U. S. DEPARTMENT OF COMMERCE
R. P. LAMONT, Secretary
BUREAU OF FOREIGN AND DOMESTIC COMMERCE
FREDERICK M. FEIKER, Director

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LETTER OF SUBMITTAL

DEPARTMENT OF COMMERCE,
BUREAU OF FOREIGN AND DOMESTIC COMMERCE,
Washington, August 22, 1931.

SIR: I have the honor to submit herewith for publication the fifty-third annual issue of the Statistical Abstract of the United States. This publication has been prepared in the Division of Statistical Research, of which J. Frederic Dewhurst is chief, under the general direction of Ernest A. Tupper, assistant chief of the division, and the more immediate charge of Martha Hunter. 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, the Bureau of Fisheries, and the Bureau of Mines of the Department of Commerce; the Bureau of Agricultural Economics and the Weather Bureau of the Department of Agriculture; the Bureau of Immigration and the Bureau of Labor Statistics of the Department of Labor; the Bureau of Education of the Department of the Interior; the Federal Board for Vocational Education; the Statistical Division of the Income Tax Unit and the Federal Farm Loan Bureau of the Treasury Department; the Veterans' Bureau; the Interstate Commerce Commission; the United States Shipping Board; and the Division of Analysis and Research of the Federal Reserve Board. Valuable aid has also been given by the Bureau of Railway Economics, Washington; the New York Produce Exchange; the Spectator Co., New York; Dun's Review, New York; and the Bureau of Canals, State of New York.

Tables showing comparative statistics for the United States and foreign countries are published in Volume II of the Commerce Yearbook.

Respectfully,

FREDERICK M. FEIKER,
Director.

To Hon. R. P. LAMONT,
Secretary of Commerce.

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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

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, 026, 789**	Alaska Territory	1867	586,400
Territory in 1790 [1]		892, 135	Hawaii Territory	1898	6, 407
Louisiana Purchase	1803	827, 987	Philippine Islands	1899	114, 400
Florida	1819	58, 666	Port Rico (unincorporated territory)	1899	3, 435
By treaty with Spain	1819	13, 435	Guam	1899	206
Texas	1845	389, 166	American Samoa	1900	76
Oregon	1846	286, 541	Panama Canal Zone	1904	549
Mexican Cession	1848	529, 189	Virgin Islands of the U. S.	1917	133
Gadsden Purchase	1853	29, 670			

[1] Includes drainage basin of Red River of the North, not a part of any accession, but in the past sometimes considered a part of the Louisiana Purchase.

Source: Bureau of the Census, Department of Commerce.

No. 2.—DATES OF ORGANIZATION OF STATES AND TERRITORIES

State	Date of organization		State	Date of organization	
	Territory	State		Territory	State
ORIGINAL STATES, 1789			STATES WITH PREVIOUS TERRITORIAL ORGANIZATION—contd.		
New Hampshire			Illinois	1809	[2] 1818
Massachusetts			Alabama	1817	[2] 1819
Rhode Island			Missouri	1812	1821
Connecticut			Arkansas	1819	1836
New York			Michigan	1805	1837
New Jersey			Florida	1822	1845
Pennsylvania			Iowa	1838	1846
Delaware			Wisconsin	1836	1848
Maryland			California	[5] 1847	1850
Virginia			Minnesota	1849	1858
North Carolina			Oregon	1848	1859
South Carolina			Kansas	1854	1861
Georgia			Nevada	1861	1864
STATES ADMITTED WITHOUT PREVIOUS TERRITORIAL ORGANIZATION [1]			Nebraska	1854	1867
			Colorado	1861	1876
			North Dakota	[6] 1861	1889
			South Dakota	[6] 1861	1889
Vermont		1791	Montana	1864	1889
Kentucky		1792	Washington	1853	1889
Maine		1820	Idaho	1863	1890
Texas		[2] 1845	Wyoming	1868	1890
West Virginia		1863	Utah	1850	1896
			Oklahoma	1890	1907
STATES WITH PREVIOUS TERRITORIAL ORGANIZATION			New Mexico	1850	1912
			Arizona	1863	1912
Tennessee	[3] 1790	1796			
Ohio	[4] 1787	1803	TERRITORIES, ETC.		
Louisiana	1804	1812	District of Columbia	1790	[7] 1791
Indiana	1800	[2] 1816	Alaska	1912	
Mississippi	1798	[2] 1817	Hawaii	1900	

[1] Vermont and Texas had been independent republics; Maine had been under jurisdiction of Massachusetts; Kentucky and West Virginia were set off from Virginia.
[2] Joint resolution of Congress.
[3] "Territory of the United States, south of the river Ohio," ceded from North Carolina, containing more territory than the present State of Tennessee.
[4] "Territory northwest of the Ohio River," containing more territory than the present State of Ohio.
[5] "Military territory," containing more territory than the present State of California.
[6] Dakota Territory.
[7] Federal area, under supervision of Congress.

Source: Bureau of the Census, Department of Commerce.

No. 3.—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	[1] 53,013	3,026,789	**South Atlantic—Con.**			
New England	61,976	4,448	66,424	Dist. of Columbia	62	8	70
Maine	29,895	3,145	33,040	Virginia	40,262	2,365	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	3,686	52,426
Massachusetts	8,039	227	8,266	South Carolina	30,495	494	30,989
Rhode Island	1,067	181	1,248	Georgia	58,725	540	59,265
Connecticut	4,820	145	4,965	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	[2] 1,550	49,204	Kentucky	40,181	417	40,598
New Jersey	7,514	710	8,224	Tennessee	41,687	335	42,022
Pennsylvania	44,832	[2] 294	45,126	Alabama	51,279	719	51,998
East North Central	245,564	2,541	248,105	Mississippi	46,362	503	46,865
Ohio	40,740	[2] 300	41,040	**West South Central**	429,746	8,048	437,794
Indiana	36,045	[2] 309	36,354	Arkansas	52,525	810	53,335
Illinois	56,043	[2] 622	56,665	Louisiana	45,400	3,097	48,506
Michigan	57,480	[2] 500	57,980	Oklahoma	69,414	643	70,057
Wisconsin	55,256	[2] 810	56,066	Texas	262,398	3,498	265,896
West North Central	510,804	7,575	518,379	**Mountain**	859,009	6,008	865,017
Minnesota	80,858	[2] 3,824	84,682	Montana	146,131	866	146,997
Iowa	55,586	561	56,147	Idaho	83,354	534	83,888
Missouri	68,727	693	69,420	Wyoming	97,548	366	97,914
North Dakota	70,183	654	70,837	Colorado	103,658	290	103,948
South Dakota	76,868	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	2,806	84,990
South Atlantic	269,073	13,837	282,910	Nevada	109,821	869	110,690
Delaware	1,965	405	2,370	**Pacific**	318,095	6,028	324,123
Maryland	9,941	2,386	12,327	Washington	66,836	[3] 2,291	69,127
				Oregon	95,607	1,092	96,699
				California	155,652	2,645	158,297

[1] 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.
[2] Exclusive of Great Lakes.
[3] 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. 4.—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 [1]	Increase over preceding census		
						Number	Per cent	Corrected per cent, estimated
1790	892,135	867,980	24,155	3,929,214	4.5			
1800	892,135	867,980	24,155	5,308,483	6.1	1,379,269	35.1	
1810	1,720,122	1,685,865	34,257	7,239,881	4.3	1,931,398	36.4	
1820	1,792,223	1,753,588	38,635	9,638,453	5.5	2,398,572	33.1	
1830	1,792,223	1,753,588	38,635	12,866,020	7.3	3,227,567	33.5	
1840	1,792,223	1,753,588	38,635	17,069,453	9.7	4,203,433	32.7	
1850	2,997,119	2,944,337	52,782	23,191,876	7.9	6,122,423	35.9	
1860	3,026,789	2,973,965	52,824	31,443,321	10.6	8,251,445	35.6	
1870	3,026,789	2,973,965	52,824	38,558,371	13.0	7,115,050	22.6	25.6
1880	3,026,789	2,973,965	52,824	50,155,783	16.9	11,597,412	30.1	26.0
1890	3,026,789	2,973,965	52,824	62,947,714	21.2	12,791,931	25.5	
1900	3,026,789	2,974,159	52,630	75,994,575	25.6	13,046,861	20.7	
1910	3,026,789	2,973,890	52,899	91,972,266	30.9	15,977,691	21.0	
1920	3,026,789	2,973,774	53,015	105,710,620	35.5	13,738,354	14.9	
1930	3,026,789	2,973,776	53,013	122,775,046	41.3	17,064,426	16.1	

[1] Based on land area.

Source: Bureau of the Census, Department of Commerce.

No. 5.—POPULATION: CONTINENTAL UNITED STATES AND OUTLYING TERRITORIES AND POSSESSIONS, 1910, 1920, AND 1930

NOTE.—These data represent actual enumerations, not estimates, as in Table 6. 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 [1]	Population		
		1910	1920	1930
United States, with outlying territories and possessions	**3, 738, 395**	**101, 146, 530**	**117, 823, 165**	**137, 008, 435**
Continental United States	3, 026, 789	91, 972, 266	105, 710, 620	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	[2] 7, 251	8, 056	10, 055
Guam	206	11, 806	13, 275	18, 509
Hawaii Territory	6, 407	191, 909	255, 912	368, 336
Panama Canal Zone	549	[2] 62, 810	22, 858	39, 467
Porto Rico (unincorporated territory)	*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	[3] 7, 635, 426	[4] 10, 314, 310	[5] 12, 082, 366
Virgin Islands of the United States	133	[6] 27, 086	[7] 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, Porto Rico	3, 623, 031	93, 346, 543	107, 321, 377	124, 746, 573

[1] See headnote Table 1. [2] Population in 1912. [3] Population in 1903. [4] Population Dec. 31, 1918.
[5] Estimated population, July 1, 1929 (annual report of the director of education of the Philippine Islands).
[6] Population in 1911. [7] Population Nov. 1, 1917.

No. 6.—POPULATION: ANNUAL MIDYEAR ESTIMATES FOR CONTINENTAL UNITED STATES, AND CERTAIN OUTLYING TERRITORIES AND POSSESSIONS

NOTE.—Estimates, except for continental United States, 1931, 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. Estimate for continental United States, 1931, is based on available data regarding births, deaths, immigration, and emigration

Year	Continental United States	Year	Continental United States	Year	Continental United States	Hawaii	Porto Rico	Philippine Islands	Panama Canal Zone
1850	23, 260, 638	1878	47, 932, 945	1905	84, 219, 378	173, 514	1, 042, 318	8, 030, 208	----------
1851	24, 085, 782	1879	49, 092, 687	1906	85, 837, 372	177, 353	1, 058, 116	8, 199, 400	----------
1852	24, 910, 926	1880	50, 262, 382	1907	87, 455, 366	181, 192	1, 073, 912	8, 368, 592	----------
1853	25, 736, 070	1881	51, 541, 575	1908	89, 073, 360	185, 031	1, 089, 709	8, 537, 784	----------
1854	26, 561, 214	1882	52, 820, 768	1909	90, 691, 354	188, 870	1, 105, 506	8, 706, 977	----------
1855	27, 386, 359	1883	54, 099, 961	1910	92, 267, 080	193, 282	1, 121, 913	8, 876, 170	----------
1856	28, 211, 504	1884	55, 379, 154	1911	93, 682, 189	199, 874	1, 140, 638	9, 045, 363	----------
1857	29, 036, 649	1885	56, 658, 347	1912	95, 097, 298	206, 466	1, 159, 364	9, 214, 556	[1] 61, 279
1858	29, 861, 794	1886	57, 937, 540	1913	96, 512, 407	213, 058	1, 178, 090	9, 383, 749	[1] 57, 400
1859	30, 686, 939	1887	59, 216, 733	1914	97, 927, 516	219, 650	1, 196, 816	9, 552, 942	[2] 37, 706
1860	31, 502, 613	1888	60, 495, 927	1915	99, 342, 625	226, 243	1, 215, 542	9, 722, 135	[2] 29, 926
1861	32, 214, 118	1889	61, 775, 121	1916	100, 757, 735	232, 836	1, 234, 268	9, 891, 328	[2] 31, 048
1862	32, 925, 623	1890	63, 056, 438	1917	102, 172, 845	239, 429	1, 252, 994	10, 060, 521	[2] 23, 295
1863	33, 637, 128	1891	64, 361, 124	1918	103, 587, 955	246, 022	1, 271, 720	10, 229, 714	[2] 21, 707
1864	34, 348, 633	1892	65, 665, 810	1919	105, 003, 065	252, 615	1, 290, 446	10, 398, 503	[2] 21, 759
1865	35, 060, 138	1893	66, 970, 496	1920	106, 543, 031	261, 396	1, 311, 717	10, 566, 889	[2] 21, 650
1866	35, 771, 643	1894	68, 275, 182	1921	108, 207, 853	272, 364	1, 335, 532	10, 735, 275	[2] 23, 757
1867	36, 483, 148	1895	69, 579, 868	1922	109, 872, 675	283, 332	1, 359, 347	10, 903, 661	[2] 23, 671
1868	37, 194, 653	1896	70, 884, 554	1923	111, 537, 497	294, 300	1, 383, 162	11, 072, 047	[2] 23, 671
1869	37, 906, 158	1897	72, 189, 240	1924	113, 202, 319	305, 268	1, 406, 977	11, 240, 433	[2] 27, 143
1870	38, 655, 016	1898	73, 493, 926	1925	114, 867, 141	316, 236	1, 430, 792	11, 408, 819	[2] 27, 151
1871	39, 814, 757	1899	74, 798, 612	1926	116, 531, 963	327, 204	1, 454, 607	11, 577, 205	[2] 27, 092
1872	40, 974, 498	1900	76, 129, 408	1927	118, 196, 785	338, 172	1, 478, 422	11, 745, 591	[2] 27, 624
1873	42, 134, 239	1901	77, 747, 402	1928	119, 861, 607	349, 140	1, 502, 237	11, 913, 978	[2] 28, 002
1874	43, 293, 980	1902	79, 365, 396	1929	121, 526, 429	360, 109	1, 526, 052	12, 082, 366	[2] 30, 300
1875	44, 453, 721	1903	80, 983, 390	1930	123, 191, 000	371, 078	1, 549, 868	12, 250, 752	[4] 39, 407
1876	45, 613, 462	1904	82, 601, 384	1931	124, 070, 000	382, 000	1, 573, 700	12, 419, 100	41, 500
1877	46, 773, 203								

[1] Enumeration by Canal Commission. [2] Police census.
[3] Police census, excluding persons in military and naval service. [4] Federal census, Apr. 1, 1930.
Source of Tables 5 and 6: Bureau of the Census, Department of Commerce.

No. 7.—RACE, NATIVITY, AND PARENTAGE: CONTINENTAL UNITED STATES

Class	1870 [1]	1880	1890	1900	1910	1920	1930
All classes	38,558,371	50,155,783	62,947,714	75,994,575	91,972,266	105,710,620	122,775,046
White [2]	33,589,377	43,402,970	55,101,258	66,809,196	81,731,957	94,820,915	108,864,207
Negro	4,880,009	6,580,793	7,488,676	8,833,994	9,827,763	10,463,131	11,891,143
Mexican [3]							1,422,533
Indian	[3] 25,731	[3] 66,407	248,253	237,196	265,683	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	72,157	111,010	138,834
All other [4]					3,175	9,488	50,978
Native (all races)	32,991,142	43,475,840	53,698,154	65,653,299	78,456,380	91,789,028	(5)
Foreign born	5,567,229	6,679,943	9,249,560	10,341,276	13,515,886	13,920,692	(5)
Native white, total [2]	28,095,665	36,843,291	45,979,391	56,595,379	68,386,412	81,108,161	95,497,800
Native parentage	22,771,397	28,568,424	34,475,716	40,949,362	49,488,575	58,421,957	70,136,614
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	8,085,019	10,632,280	12,913,311	15,694,539	16,999,221
Mixed native and foreign	1,157,170	1,911,098	3,418,656	5,013,737	5,981,526	6,991,665	8,361,965
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 [2]	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 [3]							1.2
Indian	.1	.1	.4	.3	.3	.2	.3
Chinese	.2	.2	.2	.1	.1	.1	.1
Japanese	(6)	(6)	(6)	(6)	.1	.1	.1
All other [4]					(6)	(6)	(6)
Native (all races)	85.6	86.7	85.3	86.4	85.3	86.8	(5)
Foreign born	14.4	13.3	14.7	13.6	14.7	13.2	(5)
Native white, total	72.9	73.5	73.0	74.5	74.4	76.7	77.8
Native parentage	59.1	57.0	54.8	53.9	53.8	55.3	57.1
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 native and foreign	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 [7]							
All classes	7,115,050	11,597,412	[8] 12,466,467	13,046,861	15,977,691	13,738,354	17,064,426
Per cent	22.6	30.1	24.9	20.7	21.0	14.9	16.1
White [2]	6,666,840	9,813,593	11,580,920	11,707,938	14,922,761	13,088,958	[9] 14,743,833
Per cent	24.8	29.2	26.7	21.2	22.3	16.0	[9] 15.7
Negro	438,179	1,700,784	889,247	1,345,318	993,769	635,368	1,428,012
Per cent	9.9	34.9	13.5	18.0	11.2	6.5	13.6
Mexican							[10] 721,992
Per cent							[10] 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	42,266	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		(11)	1,277.7	1,093.0	196.6	53.8	25.1
All other [4]					3,175	6,313	41,490
Per cent						198.8	437.3
Native (all races)	5,685,518	10,484,698	9,896,863	11,955,145	12,803,081	13,333,548	(5)
Per cent	20.8	31.8	22.8	22.3	19.5	17.0	(5)
Foreign born	1,428,532	1,112,714	2,569,604	1,091,716	3,174,610	404,806	(5)
Per cent	34.5	20.0	38.5	11.8	30.7	3.0	(5)
Native white, total	5,289,881	8,747,626	9,018,732	10,615,988	11,791,033	12,721,749	[9] 14,632,820
Per cent	23.1	31.1	24.5	23.1	20.8	18.6	[9] 18.1
Native parentage		5,797,027	5,789,924	6,473,646	8,539,213	8,933,382	11,714,057
Per cent		25.5	20.3	18.8	20.9	18.1	20.1
Foreign or mixed parentage		2,950,599	3,228,808	4,142,342	3,251,820	3,788,367	[9] 2,918,163
Per cent		55.4	39.0	36.0	20.8	20.0	[9] 13.0
Foreign		2,196,671	1,721,250	2,547,261	2,284,031	2,778,228	[9] 1,477,386
Per cent		52.7	27.0	31.5	21.5	21.5	[9] 9.5
Mixed native and foreign		753,928	1,507,558	1,595,081	967,789	1,010,139	[9] 1,440,777
Per cent		65.2	78.9	46.7	19.3	16.9	[9] 20.8
Foreign born, white	1,396,959	1,065,967	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	2.8	[9] 0.8

[1] Enumeration in Southern States incomplete; this affects especially figures for the negro population.
[2] 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.
[3] Exclusive of Indians in Indian Territory and on Indian reservations, not enumerated prior to 1890.
[4] Comprises Filipinos, Hindus, Koreans, Hawaiians, Malays, Siamese, Samoans, and Maoris.
[5] Data not yet available.
[6] Less than one-tenth of 1 per cent.
[7] A minus sign (—) denotes decrease.
[8] Exclusive of 325,464 persons (117,368 whites, 13,636 Negroes, 189,447 Indians, and 13 Chinese), specially enumerated in 1890 in Indian Territory and on Indian reservations.
[9] Increase over adjusted figures for 1920 excluding Mexicans. See footnote 2.
[10] Increase over estimated number in 1920.
[11] Per cent not shown where base is less than 100.

Source: Bureau of the Census, Department of Commerce.

No. 8.—SEX DISTRIBUTION, BY CLASSES: CONTINENTAL UNITED STATES

Class	1910		1920		1930		Males per 100 females		
	Males	Females	Males	Females	Males	Females	1910	1920	1930
All classes	47,332,277	44,639,989	53,900,431	51,810,189	62,137,080	60,637,966	106.0	104.0	102.5
White	42,178,245	39,553,712	48,430,655	46,390,260	55,163,854	53,700,353	106.6	104.4	102.7
Negro	4,885,881	4,941,882	5,209,436	5,253,695	5,855,669	6,035,474	98.9	99.2	97.0
Indian	135,133	130,550	125,068	119,369	170,350	162,047	103.5	104.8	105.1
Chinese	66,856	4,675	53,891	7,748	59,802	15,152	1,430.1	695.5	394.7
Japanese	63,070	9,087	72,707	38,303	81,771	57,063	604.1	189.8	143.3
All other	3,092	83	8,674	814	805,634	667,877	(1)	1,065.6	120.6
White population									
Native, total	34,654,457	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	24,259,357	29,636,781	28,785,176	35,460,001	34,076,613	104.0	103.0	102.3
Foreign or mixed parentage	9,425,239	9,472,598	11,265,552	11,420,652	12,550,144	12,811,042	99.5	98.6	98.0
Foreign	6,456,793	6,459,518	7,810,531	7,884,008	8,438,676	8,560,546	100.0	99.1	98.6
Mixed native and foreign	2,968,446	3,013,080	3,455,021	3,536,644	4,111,468	4,250,496	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	129.2	121.7	115.1

	1860	1870	1880	1890	1900
Total population:					
Males	16,085,204	19,493,565	25,518,820	32,237,101	38,816,448
Females	15,358,117	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

[1] Ratio not shown, number of females being less than 100.

No. 9.—AGE DISTRIBUTION: TOTALS, 1900 TO 1930, AND BY SEX, RACE, NATIVITY, AND PARENTAGE, 1930, CONTINENTAL UNITED STATES

Age group	All classes							
	Number				Per cent			
	1900	1910	1920	1930	1900	1910	1920	1930
Total	75,994,575	91,972,266	105,710,620	122,775,046	100.0	100.0	100.0	100.0
Under 5	9,170,628	10,631,364	11,573,230	11,444,390	12.1	11.6	10.9	9.3
5 to 14	16,954,357	18,867,772	22,039,212	24,612,486	22.3	20.5	20.8	20.0
15 to 19	7,556,089	9,063,603	9,430,556	11,552,115	9.9	9.9	8.9	9.4
20 to 44	28,632,443	35,866,359	40,555,543	47,023,247	37.7	39.0	38.4	38.3
45 and over	13,480,474	17,373,613	21,963,380	28,048,786	17.7	18.9	20.8	22.8
Age unknown	200,584	169,055	148,699	94,022	.3	.2	.1	.1

Age group	Male		Female		Native white, native parentage		Native white, foreign or mixed parentage	
	Number	Per ct.	Number	Per ct.	Number	Per ct.	Number	Per ct.
Total, 1930	62,137,080	100.0	60,637,966	100.0	70,136,614	100.0	25,361,186	100.0
Under 5	5,806,174	9.3	5,638,216	9.3	7,930,165	11.3	1,960,443	7.7
5 to 14	12,449,885	20.0	12,162,601	20.1	15,840,390	22.6	5,383,609	21.2
15 to 19	5,757,825	9.3	5,794,290	9.6	6,932,503	9.9	2,854,451	11.3
20 to 44	23,575,100	37.9	23,448,147	38.7	25,410,520	36.2	9,865,553	38.9
45 and over	14,496,280	23.3	13,552,506	22.3	13,947,075	19.9	5,286,986	20.8
Age unknown	51,816	.1	42,206	.1	57,361	.1	10,144	(1)

Age group	Foreign-born white		Negro		All other	
	Number	Per ct.	Number	Per ct.	Number	Per ct.
Total, 1930	13,366,407	100.0	11,891,143	100.0	2,019,696	100.0
Under 5	27,788	0.2	1,230,206	10.3	286,788	14.2
5 to 14	269,427	2.0	2,619,923	22.0	490,137	24.3
15 to 19	324,630	2.4	1,250,528	10.5	190,008	9.4
20 to 44	6,255,671	46.8	4,717,815	39.7	773,688	38.3
45 and over	6,479,067	48.5	2,068,940	17.3	276,118	13.7
Age unknown	9,824	.1	13,731	.1	2,962	.1

[1] Less than one-tenth of 1 per cent.

Sources of Tables 8 and 9: Bureau of the Census, Department of Commerce.

No. 10.—POPULATION OF ALASKA, HAWAII, PORTO RICO, AND PHILIPPINE ISLANDS: BY SEX, RACE, NATIVITY, AND AGE

NOTE.—Data represent actual enumerations. For estimated total population for intercensal years see Table 6, p. 3

	1910	1920	1930
ALASKA			
Total	64,356	55,036	59,278
Male	45,857	34,539	35,764
Female	18,499	20,497	23,514
White	30,400	27,883	28,640
Indian	25,331	26,558	29,983
Chinese	1,209	56	26
Japanese	913	312	278
Negro	209	128	136
All other	294	99	215
Native	43,921	42,766	48,709
Foreign born	20,435	12,270	10,569
Under 5 years	5,363	5,669	6,356
Under 1 year	1,108	1,152	1,339
5 to 9 years	4,026	5,599	6,078
10 to 14 years	2,876	4,292	5,095
15 to 19 years	3,534	3,279	4,735
20 to 44 years	35,970	22,676	21,036
45 years and over	11,065	13,224	15,839
Age unknown	622	297	139
HAWAII			
Total	191,909	255,912	368,336
Male	123,099	151,146	222,640
Female	68,810	104,766	145,696
White	44,048	54,742	80,373
Negro	695	348	563
Chinese	21,674	23,507	27,179
Japanese	79,675	109,274	139,631
Filipino	2,361	21,031	63,052
Korean	4,533	4,950	6,461
Hawaiian	20,041	23,723	22,636
Part-Hawaiian	12,506	18,027	28,224
Other races	376	310	217
Native	98,157	168,671	299,799
Foreign born	93,752	87,241	68,537
Under 5 years	24,065	38,550	48,180
Under 1 year	5,515	8,579	9,573
5 to 9 years	19,055	30,195	47,119
10 to 14 years	13,537	22,060	38,042
15 to 19 years	13,650	20,645	33,490
20 to 44 years	95,721	103,416	147,919
45 years and over	25,825	40,933	53,483
Age unknown	56	113	103

	1910	1920	1930
PORTO RICO			
Total	1,118,012	1,299,809	[1] 1,543,913
Male	557,301	647,825	771,761
Female	560,711	651,984	772,152
White	732,555	948,709	1,146,719
Black	50,245	49,246	397,156
Mulatto	335,192	301,816	
Other	20	38	38
Native	1,106,246	1,291,642	1,537,896
Foreign born	11,766	8,167	6,017
Under 5 years	185,189	200,255	226,468
Under 1 year	39,860	43,184	44,033
5 to 9 years	151,223	195,131	224,022
10 to 14 years	143,751	168,054	199,337
15 to 19 years	113,789	126,248	186,150
20 to 44 years	380,775	441,128	508,729
45 years and over	134,231	168,696	198,985
Age unknown	54	297	222
PHILIPPINE ISLANDS[2]			
Total	7,635,426	10,314,310	
Male	3,496,652	4,770,317	
Female	3,491,034	4,722,011	
Brown	6,914,880	9,386,826	
Yellow	42,097	50,826	
Half-breed	15,419	34,663	
White	14,271	12,390	
Negro	1,019	7,623	
Philippine Islands[3]	6,931,548	9,431,104	
Foreign[3]	56,138	61,224	
Under 5 years [4]	1,054,096	1,390,788	
Under 1 year	167,905	254,483	
5 to 9 years [4]	960,064	1,160,390	
10 to 14 years	751,243	1,052,447	
15 to 19 years [4]	696,180	1,191,933	
20 to 44 years [4]	2,464,811	2,983,945	
45 years and over [4]	1,061,292	1,212,825	

[1] Preliminary.
[2] Figures in the 1910 and 1920 columns are for 1903 and 1918, respectively. All data except for total population relate to Christians only in 1903 and to Christians and non-Christians in only the regularly organized provinces in 1918.
[3] Birthplace.
[4] Figures in 1918 are for the population under 6 years, 6 to 9 years, 15 to 20 years, 21 to 45 years, 46 years and over, respectively.

Sources: Alaska, Hawaii, and Porto Rico from the Bureau of Census, Department of Commerce; Philippine Islands from the Census of the Philippine Islands.

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

NOTE.—Estimates of population from 1922 to 1930 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 1931, the total population is estimated upon the basis of the available birth, death, immigration and emigration figures and the increase in the United States total distributed to the various States according to the per cent which each State increase was of the United States increase between 1920 and 1930. If a State showed a decrease in population between 1920 and 1930, the 1930 census figure was used and no estimate made. For actual enumerations, 1790 to 1930, see Table 12, p. 8

[All figures in thousands]

Division and State	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931
Continental United States	109,873	111,537	113,202	114,867	116,532	118,197	119,862	121,526	123,191	124,070
New England	7,589	7,662	7,737	7,812	7,886	7,961	8,036	8,110	8,185	8,225
Maine	775	778	781	784	787	790	792	795	798	800
New Hampshire	448	451	453	455	457	459	462	464	466	467
Vermont	354	355	356	356	357	358	358	359	360	360
Massachusetts	3,949	3,988	4,027	4,066	4,104	4,143	4,182	4,221	4,259	4,280
Rhode Island	625	633	641	649	657	665	673	681	690	694
Connecticut	1,436	1,458	1,480	1,502	1,524	1,546	1,568	1,590	1,612	1,624
Middle Atlantic	23,237	23,627	24,017	24,407	24,797	25,188	25,578	25,968	26,360	26,505
New York	10,923	11,137	11,352	11,567	11,782	11,997	12,212	12,427	12,643	12,756
New Jersey	3,372	3,458	3,545	3,631	3,717	3,804	3,890	3,977	4,063	4,109
Pennsylvania	8,942	9,031	9,120	9,209	9,298	9,387	9,476	9,565	9,654	9,700
East North Central	22,408	22,780	23,153	23,526	23,899	24,272	24,645	25,018	25,390	25,587
Ohio	5,976	6,062	6,149	6,236	6,322	6,409	6,495	6,582	6,668	6,714
Indiana	3,006	3,036	3,066	3,096	3,126	3,156	3,186	3,216	3,246	3,262
Illinois	6,765	6,876	6,988	7,100	7,212	7,323	7,435	7,547	7,659	7,718
Michigan	3,955	4,069	4,184	4,298	4,413	4,527	4,642	4,756	4,871	4,931
Wisconsin	2,707	2,737	2,767	2,797	2,827	2,857	2,887	2,917	2,946	2,962
West North Central	12,728	12,801	12,875	12,948	13,022	13,095	13,168	13,242	13,316	13,352
Minnesota	2,430	2,448	2,465	2,482	2,499	2,517	2,534	2,551	2,568	2,577
Iowa	2,420	2,427	2,433	2,440	2,446	2,453	2,460	2,466	2,473	2,476
Missouri	3,469	3,481	3,503	3,525	3,547	3,569	3,591	3,613	3,635	3,646
North Dakota	655	658	662	665	668	672	675	678	682	683
South Dakota	650	656	661	667	672	678	683	689	694	697
Nebraska	1,316	1,324	1,332	1,340	1,348	1,356	1,364	1,372	1,380	1,384
Kansas	1,797	1,807	1,818	1,829	1,840	1,851	1,862	1,873	1,884	1,889
South Atlantic	14,430	14,606	14,782	14,958	15,134	15,310	15,486	15,662	15,838	15,930
Delaware	227	228	230	231	233	234	236	237	239	240
Maryland	1,494	1,512	1,530	1,547	1,565	1,583	1,600	1,618	1,636	1,645
Dist. of Columbia	450	454	459	464	469	474	478	483	488	491
Virginia	2,337	2,348	2,359	2,370	2,381	2,392	2,403	2,414	2,425	2,430
West Virginia	1,528	1,554	1,580	1,606	1,632	1,658	1,684	1,710	1,736	1,749
North Carolina	2,708	2,708	2,827	2,887	2,947	3,006	3,066	3,126	3,185	3,217
South Carolina	1,607	1,703	1,708	1,713	1,719	1,724	1,729	1,735	1,740	1,743
Georgia	2,899	2,900	2,901	2,903	2,904	2,905	2,906	2,908	2,909	2,909
Florida	1,090	1,130	1,188	1,237	1,285	1,334	1,383	1,432	1,480	1,506
East South Central	9,136	9,233	9,330	9,427	9,524	9,621	9,718	9,814	9,911	9,963
Kentucky	2,465	2,484	2,504	2,523	2,542	2,561	2,581	2,600	2,619	2,630
Tennessee	2,406	2,433	2,460	2,487	2,515	2,542	2,569	2,596	2,623	2,638
Alabama	2,421	2,450	2,479	2,508	2,537	2,566	2,595	2,624	2,654	2,669
Mississippi	1,844	1,865	1,887	1,908	1,930	1,951	1,972	1,994	2,015	2,026
West South Central	10,714	10,903	11,092	11,280	11,469	11,658	11,847	12,035	12,224	12,324
Arkansas	1,777	1,787	1,797	1,807	1,817	1,827	1,837	1,847	1,857	1,862
Louisiana	1,872	1,902	1,932	1,961	1,991	2,020	2,050	2,079	2,109	2,125
Oklahoma	2,118	2,154	2,190	2,226	2,261	2,297	2,333	2,369	2,405	2,424
Texas	4,947	5,060	5,173	5,286	5,400	5,513	5,626	5,740	5,853	5,913
Mountain	3,425	3,461	3,497	3,532	3,568	3,604	3,639	3,675	3,709	3,730
Montana	546	545	544	543	542	541	540	538	[1] 538	[1] 538
Idaho	435	436	438	439	440	441	443	444	445	446
Wyoming	202	205	208	211	214	217	220	223	226	228
Colorado	963	972	982	991	1,001	1,010	1,019	1,029	1,038	1,043
New Mexico	376	382	388	394	400	406	413	419	425	428
Arizona	359	369	379	389	398	408	418	428	438	443
Utah	464	469	475	481	486	492	498	504	509	512
Nevada	81	82	83	85	86	87	89	90	91	92
Pacific	6,208	6,484	6,720	6,977	7,233	7,489	7,746	8,002	8,258	8,394
Washington	1,407	1,427	1,447	1,468	1,488	1,508	1,528	1,548	1,568	1,579
Oregon	825	842	858	875	891	908	925	941	958	967
California	3,976	4,195	4,415	4,634	4,854	5,073	5,293	5,513	5,732	5,848

[1] Population Apr. 1, 1930; population decreased 1920 to 1930; no estimate made.

Source: Bureau of the Census, Department of Commerce.

No. 12.—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	5,308,483	7,239,881	9,638,453	[3] 12,866,020	[3] 17,069,453	23,191,876	31,443,321
2	New England	1,009,408	1,233,011	1,471,973	1,660,071	1,954,717	2,234,822	2,728,116	3,135,283
3	Maine	96,540	151,719	228,705	298,335	399,455	501,793	583,169	628,279
4	New Hampshire	141,885	183,858	214,460	244,161	269,328	284,574	317,976	326,073
5	Vermont	85,425	154,465	217,895	235,981	280,652	291,948	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	147,545	174,620
8	Connecticut	237,946	251,002	261,942	275,248	297,675	309,978	370,792	460,147
9	Middle Atlantic	958,632	1,402,565	2,014,702	2,699,845	3,587,664	4,526,260	5,898,735	7,458,985
10	New York	340,120	589,051	959,049	1,372,812	1,918,608	2,428,921	3,097,394	3,880,735
11	New Jersey	184,139	211,149	245,562	277,575	320,823	373,306	489,555	672,035
12	Pennsylvania	434,373	602,365	810,091	1,049,458	1,348,233	1,724,033	2,311,786	2,906,215
13	East North Central		51,006	272,324	792,719	1,470,018	2,924,728	4,523,260	6,926,884
14	Ohio		45,365	230,760	581,434	937,903	1,519,467	1,980,329	2,339,511
15	Indiana		5,641	24,520	147,178	343,031	685,866	988,416	1,350,428
16	Illinois			12,282	55,211	157,445	476,183	851,470	1,711,951
17	Michigan			4,762	8,896	31,639	212,267	397,654	749,113
18	Wisconsin						30,945	305,391	775,881
19	West North Central			19,783	66,586	140,455	426,514	880,335	2,169,832
20	Minnesota							6,077	172,023
21	Iowa						43,112	192,214	674,913
22	Missouri			[4] 19,783	66,586	140,455	383,702	682,044	1,182,012
23	North Dakota								[5]
24	South Dakota								[5] 4,837
25	Nebraska								28,841
26	Kansas								107,206
27	South Atlantic	1,851,806	2,238,494	2,674,891	3,061,063	3,645,752	3,925,399	4,679,090	5,364,703
28	Delaware	59,096	64,273	72,674	72,749	76,748	78,085	91,532	112,216
29	Maryland	319,728	341,548	380,546	407,350	447,040	470,019	583,034	687,049
30	Dist. of Col.		14,093	24,023	33,039	39,834	43,712	51,687	75,080
31	Virginia	747,610	880,200	974,600	1,065,366	1,211,405	1,239,797	1,421,661	1,596,318
32	West Virginia [6]								
33	North Carolina	393,751	478,103	555,500	638,829	737,987	753,419	869,039	992,622
34	South Carolina	249,073	345,591	415,115	502,741	581,185	594,398	668,507	703,708
35	Georgia	82,548	162,686	252,433	340,989	516,823	691,392	906,185	1,057,286
36	Florida					34,730	54,477	87,445	140,424
37	East South Central	109,368	335,407	708,590	1,190,489	1,815,969	2,575,445	3,363,271	4,020,991
38	Kentucky	73,677	220,955	406,511	564,317	687,917	779,828	982,405	1,155,684
39	Tennessee	35,691	105,602	261,727	422,823	681,904	829,210	1,002,717	1,109,801
40	Alabama				127,901	309,527	590,756	771,623	964,201
41	Mississippi		8,850	40,352	75,448	136,621	375,651	606,526	791,305
42	West South Central			77,618	167,680	246,127	449,985	940,251	1,747,667
43	Arkansas			[7] 1,062	14,273	30,388	97,574	209,897	435,450
44	Louisiana			76,556	153,407	215,739	352,411	517,762	708,002
45	Oklahoma								
46	Texas							212,592	604,215
47	Mountain							72,927	174,923
48	Montana								
49	Idaho								
50	Wyoming								
51	Colorado								34,277
52	New Mexico							61,547	93,516
53	Arizona								
54	Utah							11,380	40,273
55	Nevada								6,857
56	Pacific							105,891	444,053
57	Washington								11,594
58	Oregon							13,294	52,465
59	California							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 (5,318 in 1830 and 6,100 in 1840) 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 [1]		Per cent distribution		
1870	1880	1890 [2]	1900	1910	1920	1930	1900–1930	1920–1930	1920	1930	
38,558,371	50,155,783	62,947,714	75,994,575	91,972,266	105,710,620	122,775,046	61.6	16.1	100.0	100.0	1
3,487,924	4,010,529	4,700,749	5,592,017	6,552,681	7,400,909	8,166,341	46.0	10.3	7.0	6.7	2
626,915	648,936	661,086	694,466	742,371	768,014	797,423	14.8	3.8	.7	.6	3
318,300	346,991	376,530	411,588	430,572	443,083	465,293	13.0	5.0	.4	.4	4
330,551	332,286	332,422	343,641	355,956	352,428	359,611	4.6	2.0	.3	.3	5
1,457,351	1,783,085	2,238,947	2,805,346	3,366,416	3,852,356	4,249,614	51.5	10.3	3.6	3.5	6
217,353	276,531	345,506	428,556	542,610	604,397	687,497	60.4	13.7	.6	.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
8,310,806	10,496,378	12,706,220	15,454,678	19,315,892	22,261,144	26,260,750	69.9	18.0	21.1	21.4	9
4,382,759	5,082,871	6,003,174	7,268,894	9,113,614	10,385,227	12,588,066	73.2	21.2	9.8	10.3	10
906,096	1,131,116	1,444,933	1,883,669	2,537,167	3,155,900	4,041,334	114.5	28.1	3.0	3.3	11
3,521,951	4,282,891	5,258,113	6,302,116	7,665,111	8,720,017	9,631,350	52.8	10.5	8.2	7.8	12
9,124,517	11,206,668	13,478,305	15,985,581	18,250,621	21,475,543	25,297,185	58.3	17.8	20.3	20.6	13
2,665,260	3,198,062	3,672,329	4,157,545	4,767,121	5,759,394	6,646,697	59.9	15.4	5.4	5.4	14
1,680,637	1,978,301	2,192,404	2,516,462	2,700,876	2,930,390	3,238,503	28.7	10.5	2.8	2.6	15
2,539,891	3,077,871	~~3,826,352~~	4,821,550	5,638,591	6,485,280	~~7,630,654~~	58.3	17.7	6.1	6.2	16
1,184,059	1,636,937	2,093,890	2,420,982	2,810,173	3,068,412	4,842,325	100.0	32.0	3.5	3.9	17
1,064,670	1,315,497	1,693,330	2,069,042	2,333,860	2,632,067	2,939,006	42.0	11.7	2.5	2.4	18
3,856,594	6,157,443	8,932,112	10,347,423	11,637,921	12,544,249	13,296,915	28.5	6.0	11.9	10.8	19
439,706	780,773	1,310,283	1,751,394	2,075,708	2,387,125	2,563,953	46.4	7.4	2.3	2.1	20
1,194,020	1,624,615	1,912,297	2,231,853	2,224,771	2,404,021	2,470,939	10.7	2.8	2.3	2.0	21
1,721,295	2,168,380	2,679,185	3,106,665	3,293,335	3,404,055	3,629,367	16.8	6.6	3.2	3.0	22
[5] 2,405	[5] 36,909	190,983	319,146	577,056	646,872	680,845	113.3	5.3	.6	.6	23
[5] 11,776	[5] 98,268	348,600	401,570	583,888	636,547	692,849	72.5	8.8	.6	.6	24
122,993	452,402	1,062,656	1,066,300	1,192,214	1,296,372	1,377,963	29.2	6.3	1.2	1.1	25
364,399	996,096	1,428,108	1,470,495	1,660,949	1,769,257	1,880,999	27.9	6.3	1.7	1.5	26
5,853,610	7,597,197	8,857,922	10,443,480	12,194,895	13,990,272	15,793,559	51.2	12.9	13.2	12.9	27
125,015	146,608	168,493	184,735	202,322	223,003	238,380	29.0	6.9	.2	.2	28
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	29
131,700	177,624	230,392	278,718	331,069	437,571	486,869	74.7	11.3	.4	.4	30
1,255,163	1,512,565	1,655,980	1,854,184	2,061,612	2,309,187	2,421,851	30.6	4.9	2.2	2.0	31
442,014	618,457	762,794	958,800	1,221,119	1,463,701	1,729,205	80.4	18.1	1.4	1.4	32
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	33
705,606	995,577	1,151,149	1,340,316	1,515,400	1,683,724	1,738,765	29.7	3.3	1.6	1.4	34
1,184,109	1,542,180	1,837,353	2,216,331	2,609,121	2,895,832	2,908,506	31.2	.4	2.7	2.4	35
187,748	269,493	391,422	528,542	752,619	968,470	1,468,211	177.8	51.6	.9	1.2	36
4,404,445	5,585,151	6,429,154	7,547,757	8,409,901	8,893,307	9,887,214	31.0	11.2	8.4	8.1	37
1,321,011	1,648,690	1,858,635	2,147,174	2,289,905	2,416,030	2,614,589	21.8	8.2	2.3	2.1	38
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	39
996,992	1,262,505	1,513,401	1,828,697	2,138,093	2,348,174	2,646,248	44.7	12.7	2.2	2.2	40
827,922	1,131,597	1,289,600	1,551,270	1,797,114	1,790,618	2,009,821	29.6	12.2	1.7	1.6	41
2,029,965	3,334,220	4,740,983	6,532,290	8,784,534	10,242,224	12,176,830	86.4	18.9	9.7	9.9	42
484,471	802,525	1,128,211	1,311,564	1,574,449	1,752,204	1,854,482	41.4	5.8	1.7	1.5	43
726,915	939,946	1,118,588	1,381,625	1,656,388	1,798,509	2,101,593	52.1	16.9	1.7	1.7	44
		[8] 258,657	[6] 790,391	1,657,155	2,028,283	2,396,040	203.1	18.1	1.9	2.0	45
818,579	1,591,749	2,235,527	3,048,710	3,896,542	4,663,228	5,824,715	91.1	24.9	4.4	4.7	46
315,385	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	47
20,595	39,159	142,924	243,329	376,053	548,889	537,606	120.9	−2.1	.5	.4	48
14,999	32,610	88,548	161,772	325,594	431,866	445,032	175.1	3.0	.4	.4	49
9,118	20,789	62,555	92,531	145,965	194,402	225,565	143.8	16.0	.2	.2	50
39,864	194,327	413,249	539,700	799,024	939,629	1,035,791	91.9	10.2	.9	.8	51
91,874	119,565	160,282	195,310	327,301	360,350	423,317	116.7	17.5	.3	.3	52
9,658	40,440	88,243	122,931	204,354	334,162	435,573	254.3	30.3	.3	.4	53
86,786	143,963	210,779	276,749	373,351	449,396	507,847	83.5	13.0	.4	.4	54
42,491	62,266	47,355	42,335	81,875	77,407	91,058	115.1	17.6	.1	.1	55
675,125	1,114,578	1,883,334	2,416,692	4,192,304	5,566,871	8,194,433	239.1	47.2	5.3	6.7	56
23,955	75,116	357,232	518,103	1,141,990	1,356,621	1,563,396	201.8	15.2	1.3	1.3	57
90,923	174,768	317,704	413,536	672,765	783,389	953,786	130.6	21.8	.7	.8	58
560,247	864,694	1,213,398	1,485,053	2,377,549	3,426,861	5,677,251	282.3	65.7	3.2	4.6	59

[4] Population of area taken to form State of Missouri in 1821; part of Louisiana Territory in 1810.
[5] Population shown for South Dakota in 1860 represents entire Dakota Territory; for 1870 and 1880, population parts as since existing have been segregated.
[6] Area now constituting West Virginia formed part of Virginia prior to 1870.
[7] Population of area taken to form Arkansas Territory in 1819; part of Louisiana Territory in 1810.
[8] Includes population of Indian Territory, as follows: 1890, 180,182; 1900, 392,060.

No. 13.—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 Porto Rico, and of December 31, 1918, Philippine Islands, based on gross area, and not land area, was as follows: Alaska, 0.1; Hawaii, 57.5; Porto Rico, 449.6; 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	76.8	90.2	105.7	119.4	131.8
Maine	5.1	19.5	21.0	21.6	21.7	22.1	23.2	24.8	25.7	26.7
New Hampshire	20.4	35.2	36.1	35.2	38.4	41.7	45.6	47.7	49.1	51.5
Vermont	16.0	34.4	34.5	36.2	36.4	35.4	37.7	39.0	38.6	39.4
Massachusetts	52.0	123.7	153.1	181.3	221.8	278.5	349.0	418.8	479.2	528.6
Rhode Island	64.8	133.3	163.7	203.7	259.2	323.8	401.6	508.5	566.4	644.3
Connecticut	52.1	76.9	95.5	111.5	129.2	154.8	188.5	231.3	286.4	333.4
Middle Atlantic	14.0	59.0	74.8	88.1	105.0	127.1	154.5	193.2	222.8	262.6
New York	12.4	65.0	81.4	92.0	108.7	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	48.6	57.4	66.4	78.5	90.1	102.1	117.0	141.4	163.1
Indiana	(1)	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	115.7	130.2
Michigan		6.9	13.0	20.6	28.5	36.4	42.1	48.9	63.8	84.2
Wisconsin		5.6	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		(1)	2.1	5.4	9.7	16.2	21.7	25.7	29.5	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			(2)	(2)	(2)	2.7	4.5	8.2	9.2	9.7
South Dakota			(2)	(2)	(2)	4.5	5.2	7.6	8.3	9.0
Nebraska			.2	1.6	5.9	13.8	13.9	15.5	16.9	17.9
Kansas			1.3	4.5	12.2	17.6	18.0	20.7	21.6	23.0
South Atlantic	8.6	17.4	19.9	21.8	28.2	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	156.6	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	37.6	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	28.7	33.2	38.9	45.3	52.5	65.0
South Carolina	11.3	21.9	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	26.3	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	23.4	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	17.9	24.4	27.8	33.5	38.8	38.6	43.4
West South Central		2.6	4.9	5.6	9.3	11.0	15.2	20.4	23.8	28.3
Arkansas		4.0	8.3	9.2	15.3	21.5	25.0	30.0	33.4	35.3
Louisiana		11.4	15.6	16.0	20.7	24.6	30.4	36.5	39.6	46.3
Oklahoma						[3] 2.0	[3] 10.3	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		(1)	.3	1.1	1.8	2.6	3.4	4.5	5.5	6.2
Nevada			.1	.4	.8	.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		(1)	.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

[1] Less than one-tenth of 1 per cent.
[2] Dakota Territory: Less than one-tenth of 1 per cent in 1860, 0.1 in 1870, and 0.9 in 1880.
[3] Indian Territory: 5.9 in 1890 and 12.7 in 1900; combined with Oklahoma, 3.7 in 1890 and 11.4 in 1900.

Source: Bureau of the Census, Department of Commerce.

No. 14.—AGE DISTRIBUTION OF POPULATION, BY STATES, 1930

Division and State	Age groups—						
	Under 5 years	5 to 9 years	10 to 14 years	15 to 19 years	20 to 44 years	45 years and over	Age unknown
Continental United States	11,444,390	12,607,609	12,004,377	11,552,115	47,023,247	28,048,786	94,022
New England	689,782	788,842	761,595	715,562	3,047,371	2,177,530	5,159
Maine	75,037	79,727	74,061	68,683	267,490	231,834	691
New Hampshire	39,350	43,543	42,028	38,822	160,341	140,965	244
Vermont	33,232	34,765	33,713	31,371	121,410	105,002	118
Massachusetts	349,640	390,657	387,003	366,149	1,622,652	1,130,465	3,048
Rhode Island	59,624	67,020	64,744	62,414	258,408	174,466	221
Connecticut	132,899	152,530	160,046	148,123	617,570	394,798	937
Middle Atlantic	2,214,805	2,470,204	2,447,202	2,354,216	10,591,687	6,164,202	18,344
New York	989,294	1,084,839	1,078,186	1,071,313	5,340,380	3,018,488	10,506
New Jersey	329,068	380,918	384,342	364,396	1,644,637	934,669	2,704
Pennsylvania	895,843	1,004,447	984,764	918,507	3,606,670	2,216,045	5,074
East North Central	2,205,321	2,414,163	2,334,961	2,227,213	9,970,409	6,124,268	17,350
Ohio	573,104	639,272	612,708	578,133	2,575,156	1,665,017	3,187
Indiana	285,030	314,917	297,058	284,714	1,192,805	861,710	2,269
Illinois	615,826	681,782	683,189	676,053	3,146,651	1,819,770	7,383
Michigan	463,441	486,970	455,469	416,836	1,956,413	1,060,271	2,875
Wisconsin	271,360	291,222	286,477	271,427	1,099,384	717,500	1,636
West North Central	1,205,321	1,326,761	1,287,317	1,241,666	4,927,076	3,301,235	7,287
Minnesota	231,001	256,751	253,788	239,946	963,520	617,979	968
Iowa	220,277	242,963	235,820	223,542	891,949	655,148	1,242
Missouri	305,862	339,137	325,958	326,555	1,381,872	948,094	2,789
North Dakota	75,726	78,119	79,886	75,343	236,682	134,696	393
South Dakota	71,324	77,961	75,392	69,609	250,934	147,253	376
Nebraska	130,337	141,487	136,339	132,100	514,426	322,524	750
Kansas	171,094	190,343	181,034	174,573	687,693	475,543	719
South Atlantic	1,714,903	1,906,741	1,757,877	1,679,410	5,671,111	3,050,312	13,435
Delaware	19,283	22,321	22,614	21,173	90,410	62,441	138
Maryland	144,620	162,656	152,613	145,804	634,124	387,894	3,806
District of Columbia	32,304	35,624	32,712	35,806	221,515	127,120	1,782
Virginia	257,138	291,875	269,628	255,757	845,372	500,899	1,184
West Virginia	207,087	220,366	193,265	175,834	607,673	324,247	733
North Carolina	391,150	427,112	382,298	360,640	1,083,658	523,299	2,119
South Carolina	205,076	240,750	222,808	211,345	577,030	281,164	592
Georgia	316,404	353,910	338,860	334,836	1,032,570	530,082	1,844
Florida	141,832	152,127	142,881	138,215	578,759	313,160	1,237
East South Central	1,122,861	1,203,971	1,092,200	1,051,163	3,478,588	1,831,340	7,091
Kentucky	292,866	316,231	280,238	258,156	898,766	566,944	1,388
Tennessee	281,818	306,629	280,178	276,437	938,116	529,753	3,625
Alabama	313,882	331,713	303,440	294,168	928,010	473,766	1,269
Mississippi	234,295	249,398	228,344	222,402	713,696	360,877	809
West South Central	1,314,952	1,425,421	1,296,077	1,280,160	4,604,459	2,248,948	6,813
Arkansas	208,709	225,828	211,013	202,734	650,623	354,797	778
Louisiana	230,538	248,187	227,631	217,602	798,998	377,832	805
Oklahoma	264,537	285,846	258,030	252,755	890,633	443,200	1,039
Texas	611,168	665,560	599,403	607,069	2,264,205	1,073,119	4,191
Mountain	383,566	408,579	382,579	352,747	1,370,533	801,353	2,432
Montana	49,263	53,992	50,396	50,135	200,110	127,373	337
Idaho	45,814	50,070	49,840	44,565	156,069	98,460	214
Wyoming	22,495	24,097	21,750	20,162	92,153	44,730	178
Colorado	95,670	104,780	93,940	95,132	385,081	255,487	701
New Mexico	53,353	55,094	46,346	43,135	149,520	75,165	204
Arizona	50,087	50,457	42,861	39,981	171,528	80,134	525
Utah	59,261	62,239	59,384	52,762	178,557	95,421	223
Nevada	7,123	7,850	7,062	6,875	37,515	24,583	50
Pacific	599,079	682,927	645,179	649,976	3,381,513	2,249,598	16,161
Washington	114,854	136,073	133,393	137,922	607,438	426,796	1,980
Oregon	68,858	81,520	82,660	83,370	368,136	268,800	442
California	405,367	465,394	424,126	428,684	2,385,939	1,554,002	13,739

Source: Bureau of the Census, Department of Commerce.

No. 15.—POPULATION :

NOTE.—At censuses prior to 1930, persons of the Mexican race were included in the white classification.

Division and State	1880			1890 [1]			1900	
	White	Negro	All other [2]	White	Negro	All other	White	Negro
Continental United States.	43, 402, 970	6, 580, 793	172, 020	55, 101, 258	7, 488, 676	357, 780	66, 809, 196	8, 833, 894
New England	3, 968, 789	39, 925	1, 315	4, 653, 191	44, 580	2, 978	5, 527, 026	59, 099
Maine	646, 852	1, 451	533	659, 263	1, 190	633	692, 226	1, 319
New Hampshire	346, 229	685	77	375, 840	614	76	410, 791	662
Vermont	331, 218	1, 057	11	331, 418	937	67	342, 771	826
Massachusetts	1, 763, 782	18, 697	606	2, 215, 373	22, 144	1, 430	2, 769, 764	31, 974
Rhode Island	269, 939	6, 488	104	337, 850	7, 393	234	419, 050	9, 092
Connecticut	610, 769	11, 547	384	733, 438	12, 302	518	892, 424	15, 226
Middle Atlantic	10, 305, 055	189, 492	2, 331	12, 468, 794	225, 326	12, 100	15, 110, 862	325, 921
New York	5, 016, 022	65, 104	1, 745	5, 923, 955	70, 092	9, 127	7, 156, 881	99, 232
New Jersey	1, 092, 017	28, 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, 664	156, 845
East North Central	11, 012, 047	183, 298	11, 323	13, 253, 725	207, 023	17, 557	15, 710, 053	257, 842
Ohio	3, 117, 920	79, 900	242	3, 584, 805	87, 113	411	4, 060, 204	96, 901
Indiana	1, 936, 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, 884	15, 223	5, 783	2, 398, 563	15, 816
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, 660, 088	224, 039	47, 935	10, 065, 817	237, 909
Minnesota	776, 884	1, 564	2, 325	1, 296, 408	3, 683	10, 192	1, 737, 036	4, 959
Iowa	1, 614, 600	9, 516	499	1, 901, 090	10, 685	522	2, 218, 667	12, 693
Missouri	2, 022, 826	145, 350	204	2, 528, 458	150, 184	543	2, 944, 843	161, 234
North Dakota	36, 192	113	604	182, 407	373	8, 203	311, 712	286
South Dakota	96, 955	288	1, 025	328, 010	541	20, 049	380, 714	405
Nebraska	449, 764	2, 385	253	1, 047, 096	8, 913	6, 647	1, 056, 526	6, 269
Kansas	952, 155	43, 107	834	1, 376, 619	49, 710	1, 779	1, 416, 319	52, 003
South Atlantic	4, 654, 112	2, 941, 202	1, 883	5, 592, 149	3, 262, 890	3, 083	6, 708, 058	3, 729, 017
Delaware	120, 160	26, 442	6	140, 066	28, 386	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, 596	22	154, 695	75, 572	125	191, 532	86, 702
Virginia	880, 858	631, 616	91	1, 020, 122	635, 438	420	1, 192, 855	660, 722
West Virginia [3]	592, 537	25, 886	34	730, 077	32, 690	27	915, 233	43, 499
North Carolina	867, 242	531, 277	1, 231	1, 055, 382	561, 018	1, 549	1, 263, 603	624, 469
South Carolina	391, 105	604, 332	140	462, 008	688, 934	207	557, 807	782, 321
Georgia	816, 906	725, 133	141	978, 357	858, 815	181	1, 181, 294	1, 034, 813
Florida	142, 605	125, 690	198	224, 949	166, 180	293	297, 333	230, 730
East South Central	8, 667, 593	1, 924, 996	2, 562	4, 305, 668	2, 119, 797	3, 689	5, 044, 847	2, 499, 836
Kentucky	1, 377, 179	271, 451	60	1, 590, 462	268, 071	102	1, 862, 309	284, 706
Tennessee	1, 138, 831	403, 151	377	1, 330, 637	430, 678	203	1, 540, 186	480, 243
Alabama	662, 185	600, 103	217	838, 718	678, 489	1, 194	1, 001, 152	827, 307
Mississippi	479, 398	650, 291	1, 908	544, 851	742, 559	2, 190	641, 200	907, 630
West South Central	2, 243, 722	1, 057, 705	2, 793	3, 295, 336	1, 378, 090	67, 257	4, 771, 066	1, 694, 068
Arkansas	591, 531	210, 666	328	818, 752	309, 117	342	944, 580	366, 856
Louisiana	454, 954	483, 655	1, 337	558, 395	559, 193	1, 000	729, 612	650, 804
Oklahoma [4]				172, 554	21, 609	64, 494	670, 204	55, 684
Texas	1, 197, 237	393, 384	1, 128	1, 745, 635	488, 171	1, 421	2, 426, 669	620, 722
Mountain	614, 821	5, 022	33, 276	1, 117, 363	12, 971	83, 601	1, 579, 855	15, 590
Montana	35, 385	346	3, 428	127, 090	1, 490	13, 744	226, 283	1, 523
Idaho	29, 013	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	766	404, 534	6, 215	2, 500	529, 046	8, 570
New Mexico	108, 721	1, 015	9, 329	142, 918	1, 956	15, 408	180, 207	1, 610
Arizona	35, 160	155	5, 125	55, 734	1, 357	31, 152	92, 903	1, 848
Utah	142, 423	232	1, 308	205, 925	588	4, 256	272, 465	672
Nevada	53, 556	488	8, 222	39, 121	242	7, 992	35, 405	134
Pacific	997, 455	6, 830	110, 293	1, 754, 644	14, 110	119, 580	2, 293, 613	14, 664
Washington	67, 199	325	7, 592	340, 829	1, 602	14, 801	490, 304	2, 514
Oregon	163, 075	487	11, 206	301, 982	1, 186	14, 536	394, 582	1, 105
California	767, 181	6, 018	91, 495	1, 111, 833	11, 322	90, 243	1, 402, 727	11, 045

[1] Includes population specially enumerated in Indian Territory and on Indian reservations.
[2] 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

In 1930, they were tabulated separately and in the following table are combined with "All other"

1900—Contd.	1910			1920			1930			Division and State
All other	White	Negro	All other	White	Negro	All other	White	Negro	All other	
351,385	81,731,957	9,827,763	412,546	94,820,915	10,463,131	426,574	108,864,207	11,891,143	2,019,696	U. S.
5,892	6,480,514	66,306	5,861	7,316,079	79,051	5,779	8,065,113	94,086	7,142	N. E.
921	739,995	1,363	1,013	765,695	1,310	1,009	795,183	1,096	1,144	Me.
135	429,906	564	102	442,331	621	131	464,350	790	153	N. H.
44	354,298	1,621	37	351,817	572	39	358,965	568	78	Vt.
3,608	3,324,920	38,055	3,435	3,803,524	45,466	3,366	4,102,926	52,365	4,323	Mass.
414	532,492	9,520	589	593,980	10,036	381	677,016	9,913	568	R. I.
770	1,008,897	15,174	685	1,358,732	21,046	853	1,576,673	29,354	876	Conn.
17,896	18,880,452	417,870	17,570	21,641,840	600,133	19,121	25,172,104	1,052,899	35,747	M. A.
12,781	8,966,845	134,191	12,578	10,172,027	198,483	14,717	12,150,293	412,814	24,989	N. Y.
1,508	2,445,894	89,760	1,513	3,037,087	117,132	1,681	3,829,209	208,828	3,297	N. J.
3,606	7,467,713	193,919	3,479	8,432,726	284,568	2,723	9,192,602	431,257	7,491	Pa.
17,686	17,927,622	300,836	22,163	20,938,862	514,554	22,127	24,277,663	930,450	39,072	E. N. C.
440	4,654,897	111,452	772	5,571,893	186,187	1,314	6,331,136	309,304	6,257	Ohio.
455	2,639,961	60,320	595	2,849,071	80,810	509	3,116,136	111,982	10,385	Ind.
1,599	5,526,062	109,049	2,580	6,299,333	182,274	3,673	7,266,361	328,972	35,321	Ill.
6,603	2,785,247	17,115	7,811	3,601,627	60,082	6,703	4,650,171	169,453	22,701	Mich.
8,589	2,320,555	2,900	10,405	2,616,938	5,201	9,928	2,913,859	10,739	14,408	Wis.
43,697	11,351,621	242,662	43,635	12,225,387	278,521	40,341	12,873,487	331,784	91,644	W. N. C.
9,399	2,050,227	7,084	9,397	2,368,936	8,809	9,380	2,538,973	9,445	15,535	Minn.
493	2,209,191	14,973	607	2,384,181	19,005	835	2,448,382	17,380	5,177	Iowa.
588	3,134,932	157,452	951	3,225,044	178,241	770	3,398,887	223,840	6,640	Mo.
7,148	569,855	617	6,684	639,954	467	6,451	671,243	377	9,225	N. Dak.
20,391	563,771	817	19,300	619,147	832	16,568	669,453	646	22,750	S. Dak.
3,505	1,180,293	7,689	4,232	1,279,219	13,242	3,911	1,353,702	13,752	10,509	Nebr.
2,173	1,634,352	54,030	2,567	1,708,906	57,925	2,426	1,792,847	66,344	21,808	Kans.
8,405	8,071,603	4,112,488	10,804	9,648,940	4,325,120	16,212	11,349,284	4,421,388	22,917	S. A.
61	171,102	31,181	39	192,615	30,335	53	205,694	32,602	84	Del.
556	1,062,639	232,250	457	1,204,737	244,479	445	1,354,170	276,379	977	Md.
484	236,128	94,446	495	326,860	109,966	745	353,914	132,068	887	D. C.
607	1,389,809	671,096	707	1,617,909	690,017	1,261	1,770,405	650,165	1,281	Va.
68	1,156,817	64,173	129	1,377,235	86,345	121	1,613,934	114,893	378	W. Va.
5,738	1,500,511	697,843	7,933	1,783,779	763,407	11,937	2,234,948	918,647	16,681	N. C.
188	679,161	835,843	306	818,538	864,719	467	944,040	793,681	1,044	S. C.
224	1,431,802	1,176,987	332	1,689,114	1,206,365	353	1,836,974	1,071,125	407	Ga.
479	443,634	308,669	316	638,153	329,487	830	1,035,205	431,828	1,178	Fla.
3,024	5,754,326	2,652,513	3,062	6,367,547	2,523,532	2,228	7,224,614	2,658,238	4,362	E. S. C.
159	2,027,051	261,656	298	2,180,560	235,938	132	2,388,364	226,040	185	Ky.
187	1,711,432	473,088	269	1,885,993	451,758	134	2,138,619	477,646	291	Tenn.
238	1,228,832	908,282	979	1,447,032	900,652	490	1,700,775	944,834	639	Ala.
2,440	786,111	1,009,487	1,516	853,962	935,184	1,472	996,856	1,009,718	3,247	Miss.
67,159	6,721,491	1,984,426	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	472,220	227	1,374,906	478,463	1,113	Ark.
1,209	941,086	713,874	1,428	1,096,611	700,257	1,641	1,318,160	776,326	7,107	La.
64,503	1,444,531	137,612	75,012	1,821,194	149,408	57,681	2,123,424	172,198	100,418	Okla.
1,319	3,204,848	690,049	1,645	3,918,165	741,694	3,369	4,283,491	854,964	686,260	Tex.
79,212	2,520,455	21,467	91,595	3,212,899	30,801	92,401	3,303,586	30,225	367,978	Mt.
15,523	360,580	1,834	13,639	534,260	1,658	12,971	517,327	1,256	19,023	Mont.
6,984	319,221	651	5,722	425,668	920	5,278	437,562	668	6,802	Idaho.
2,540	140,318	2,235	3,412	190,146	1,375	2,881	214,067	1,260	10,248	Wyo.
2,084	783,415	11,453	4,156	924,103	11,318	4,208	961,117	11,828	62,846	Colo.
13,493	304,594	1,628	21,079	334,673	5,733	10,944	331,755	2,850	88,712	N. Mex.
28,180	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	5,824	441,901	1,446	6,049	495,955	1,108	10,784	Utah.
6,796	74,276	513	7,086	70,699	346	6,362	81,425	510	9,117	Nev.
106,415	4,023,873	29,195	139,236	5,353,634	47,730	165,447	7,498,375	90,122	605,936	Pac.
19,285	1,109,111	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	12,099	937,029	2,234	14,523	Oreg.
71,281	2,259,672	21,645	96,232	3,264,711	38,763	123,387	5,040,247	81,048	555,956	Calif.

[3] Area now constituting West Virginia formed part of Virginia in 1860.
[4] Includes population of Indian Territory for 1890 and 1900.

No. 16.—RACE, NATIVITY,

NOTE.—At censuses prior to 1930, persons of the Mexican race were included in the white
a separate

Division and State	Native white						Foreign-born white
	Native parentage		Foreign parentage		Mixed native and foreign parentage		
	1920	1930	1920	1930	1920	1930	1920
Continental United States.	58,421,957	70,136,614	15,884,539	16,999,221	6,991,665	8,361,965	13,712,754
New England	2,803,149	3,167,082	1,908,340	2,120,423	735,936	943,298	1,870,654
Maine	495,780	515,243	86,150	87,094	76,416	92,478	107,349
New Hampshire	225,512	239,438	81,039	83,791	44,547	58,461	91,233
Vermont	223,325	234,090	42,100	40,771	36,866	41,043	44,526
Massachusetts	1,230,773	1,429,784	1,093,258	1,202,191	401,959	506,315	1,077,534
Rhode Island	173,553	210,963	132,660	207,032	64,268	88,307	173,499
Connecticut	449,206	537,564	421,133	499,544	111,880	156,694	376,513
Middle Atlantic	9,681,012	11,448,898	5,397,951	6,264,301	1,700,302	2,198,863	4,912,575
New York	3,668,266	4,473,946	2,844,083	3,351,491	873,566	1,133,307	2,786,112
New Jersey	1,212,675	1,571,528	829,058	1,044,704	256,741	368,535	738,613
Pennsylvania	4,750,071	5,404,424	1,724,810	1,868,106	569,995	697,021	1,387,850
East North Central	11,790,370	14,500,575	4,043,692	4,370,188	1,881,521	2,182,978	3,223,279
Ohio	3,669,122	4,325,311	838,251	921,783	385,823	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	1,606,599	553,783	672,614	1,206,051
Michigan	1,670,447	2,364,038	775,238	917,856	420,257	528,009	726,635
Wisconsin	1,054,694	1,436,492	736,051	698,795	366,065	392,359	460,128
West North Central	7,475,548	8,547,493	2,126,126	1,946,472	1,251,752	1,320,255	1,371,961
Minnesota	827,627	1,114,316	708,126	655,750	347,019	380,618	486,104
Iowa	1,623,553	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	180,026
North Dakota	207,986	256,622	203,973	193,107	96,512	116,366	131,503
South Dakota	303,593	375,378	141,341	132,497	86,817	95,930	82,391
Nebraska	757,064	873,849	231,948	216,227	140,555	148,280	149,052
Kansas	1,208,804	1,453,442	163,964	144,600	125,560	125,089	110,578
South Atlantic	8,779,416	10,412,368	353,643	384,837	199,961	247,801	315,920
Delaware	139,876	155,024	23,288	23,477	9,641	10,308	19,810
Maryland	893,088	1,030,796	143,203	144,418	66,269	74,863	102,177
Dist. of Columbia	230,488	262,427	35,129	36,809	23,695	24,746	28,548
Virginia	1,534,494	1,692,703	30,514	28,552	22,116	25,330	30,785
West Virginia	1,232,857	1,461,544	56,625	66,854	25,847	34,016	61,906
North Carolina	1,765,203	2,208,563	5,737	7,919	5,740	9,678	7,099
South Carolina	799,418	925,439	7,025	8,477	5,694	6,888	6,401
Georgia	1,642,697	1,792,490	16,371	15,215	13,860	15,343	16,186
Florida	532,295	874,373	35,751	55,116	27,099	46,659	43,008
East South Central	6,092,782	6,971,937	115,484	103,333	87,342	91,879	71,939
Kentucky	2,039,134	2,269,540	65,931	54,320	44,715	42,664	30,780
Tennessee	1,832,757	2,087,383	20,423	19,303	17,335	18,867	15,478
Alabama	1,394,129	1,646,339	19,591	19,709	15,650	19,096	17,662
Mississippi	826,762	968,675	9,539	10,010	9,642	11,122	8,019
West South Central	6,959,785	8,353,280	415,799	300,278	280,810	276,191	459,333
Arkansas	1,226,692	1,329,205	19,030	16,130	20,060	19,308	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	53,083	48,465	49,036	53,901	30,968
Texas	3,112,262	3,857,198	276,670	173,886	168,714	154,011	360,519
Mountain	2,002,508	2,300,255	451,132	401,071	306,034	314,346	453,225
Montana	275,803	283,539	101,918	94,580	62,919	66,247	93,620
Idaho	294,252	320,139	47,920	42,888	44,533	44,031	38,963
Wyoming	122,884	148,381	25,234	26,439	16,773	19,589	25,255
Colorado	603,041	669,106	130,059	125,631	74,049	80,974	116,954
New Mexico	273,317	302,753	18,865	10,741	13,414	10,464	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	36,285	47,570	11,701	12,365	7,911	9,215	14,802
Pacific	3,887,387	4,423,736	984,372	1,118,320	548,007	788,554	1,033,868
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	92,783	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

classification. In the 1930 Census returns, this rapidly increasing element in the population was given classification

Foreign-born white—Contd.	Negro		Mexican	Indian		Chinese		Japanese		Division and State
1930	1920	1930	1930	1920	1930	1920	1930	1920	1930	
13,366,407	10,463,131	11,891,143	1,422,533	244,437	332,397	61,639	74,954	111,010	138,834	U. S.
1,834,310	79,051	94,086	107	1,715	2,486	3,602	3,734	347	352	N. E.
100,308	1,310	1,096	2	830	1,012	161	115	7	3	Me.
82,660	621	790	1	28	64	95	84	8	-------	N. H.
43,061	572	568	1	24	36	11	34	4	1	Vt.
1,054,636	45,466	52,365	66	555	874	2,544	2,973	101	201	Mass.
170,714	10,036	9,913	10	110	318	225	197	35	17	R. I.
382,871	21,046	29,354	27	159	162	566	391	102	130	Conn.
5,269,042	600,183	1,052,899	6,757	5,940	7,709	8,812	14,005	3,238	3,662	M. A.
3,191,549	198,483	412,814	2,898	5,503	6,973	5,793	9,065	2,686	2,930	N. Y.
844,442	117,132	208,828	454	100	213	1,190	1,783	325	439	N. J.
1,233,051	284,568	431,257	3,405	337	523	1,829	2,557	255	293	Pa.
3,223,924	514,554	930,460	58,317	15,695	19,817	5,043	6,340	927	1,022	E. N. C.
644,151	186,187	309,304	4,037	151	435	941	1,425	130	187	Ohio.
135,134	80,810	111,982	9,642	125	285	283	279	81	71	Ind.
1,218,158	182,274	328,972	28,906	194	469	2,776	3,192	472	564	Ill.
840,268	60,082	169,453	13,336	5,614	7,080	792	1,081	184	176	Mich.
386,213	5,201	10,739	2,396	9,611	11,548	251	363	60	24	Wis.
1,059,277	278,521	331,784	39,805	37,263	48,245	1,678	1,738	1,215	1,003	W. N. C.
388,294	8,809	9,445	3,626	8,761	11,077	508	524	85	69	Minn.
165,735	19,005	17,380	4,295	529	660	235	153	29	19	Iowa.
149,300	173,241	223,840	4,989	171	578	412	634	135	94	Mo.
105,148	467	377	608	6,254	8,387	124	103	72	91	N Dak
65,648	832	646	816	16,384	21,833	142	70	38	19	S.Dak
115,340	13,242	13,752	6,321	2,888	3,256	189	194	804	674	Nebr.
69,716	57,925	66,344	19,150	2,276	2,454	68	60	52	37	Kans.
304,278	4,325,120	4,421,388	691	13,073	19,060	1,824	1,869	330	393	S. A.
16,885	30,335	32,602	24	2	5	43	38	8	8	Del.
95,093	244,479	276,379	56	32	50	371	492	29	38	Md.
29,932	109,966	132,068	67	37	40	461	398	103	78	D. C.
23,820	690,017	650,165	30	824	779	278	293	56	43	Va.
51,520	86,345	114,893	257	7	18	98	86	10	9	W.Va.
8,788	703,407	918,647	10	11,824	16,579	88	63	24	17	N. C.
5,266	864,719	793,681	9	304	959	93	41	15	15	S. C.
13,917	1,206,365	1,071,125	47	125	43	211	253	9	32	Ga.
59,057	329,487	431,828	185	518	537	181	200	106	153	Fla.
57,665	2,523,532	2,658,238	1,403	1,623	2,106	542	743	35	48	E. S. C.
21,840	235,938	226,040	88	57	22	62	60	9	9	Ky.
13,066	451,758	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	1,458	364	561	-------	1	Miss.
170,232	2,063,579	2,281,951	695,993	60,618	95,670	1,534	1,562	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	Okla.
98,396	741,094	854,964	683,681	2,109	1,001	773	703	449	519	Tex.
287,914	30,801	30,225	249,314	78,899	102,083	4,339	3,252	10,792	11,418	Mt.
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	3,038	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	5,733	2,850	59,340	19,512	28,941	171	133	251	249	N.Mex
15,591	8,005	10,749	114,173	32,980	43,726	1,137	1,110	550	879	Ariz.
43,772	1,446	1,108	4,012	2,711	2,869	342	342	2,036	3,269	Utah.
12,275	346	516	3,090	4,907	4,871	689	483	754	608	Nev.
1,159,765	47,790	90,123	370,143	31,011	35,241	34,265	41,631	93,490	120,251	Pac.
244,256	6,883	6,840	502	9,061	11,253	2,363	2,195	17,387	17,837	Wash.
105,475	2,144	2,234	1,568	4,590	4,776	3,090	2,075	4,151	4,958	Oreg.
810,034	38,763	81,048	368,013	17,360	19,212	28,812	37,361	71,952	97,456	Calif.

No. 17.—SEX DISTRIBUTION, BY RACE

Division and State	Total population					1930			
	1920		1930			Native white			Foreign-born white
	Male	Female	Male	Female	Males per 100 females	Male	Female	Males per 100 females	Male
Continental United States.	53,900,431	51,810,189	62,137,080	60,637,966	102.5	48,010,146	47,437,655	101.1	7,153,709
New England	3,672,591	3,728,318	4,024,657	4,141,684	97.2	3,607,723	3,683,080	97.0	904,742
Maine	338,752	379,262	401,285	396,138	101.3	349,764	345,051	101.4	50,299
New Hampshire	222,112	220,971	231,759	233,534	99.2	189,967	191,723	99.1	41,160
Vermont	178,854	173,574	183,266	176,345	103.9	160,080	155,824	102.7	22,824
Massachusetts	1,890,014	1,962,342	2,071,672	2,177,942	95.1	1,532,751	1,605,539	95.5	509,462
Rhode Island	297,524	306,873	335,372	352,125	95.2	246,989	259,313	95.2	83,151
Connecticut	695,335	685,296	801,303	805,600	99.5	588,172	605,630	97.1	197,846
Middle Atlantic	11,206,445	11,054,699	13,188,681	13,072,663	100.9	9,879,094	10,023,968	98.6	2,701,740
New York	5,187,350	5,197,877	6,312,520	6,275,546	100.6	4,441,330	4,517,414	98.3	1,653,170
New Jersey	1,590,075	1,565,825	2,030,644	2,010,090	101.0	1,481,862	1,502,905	98.6	443,132
Pennsylvania	4,429,020	4,290,997	4,845,517	4,785,833	101.2	3,955,902	4,003,649	98.8	605,438
East North Central	11,035,041	10,449,502	12,904,783	12,302,402	104.1	10,605,117	10,446,622	101.5	1,766,458
Ohio	2,955,980	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	1,640,061	1,598,442	102.6	1,498,772	1,482,230	101.1	76,957
Illinois	3,304,833	3,180,447	3,873,457	3,757,197	103.1	3,027,347	3,020,856	100.2	657,937
Michigan	1,928,436	1,739,976	2,519,309	2,323,016	108.4	1,951,137	1,858,706	105.0	464,902
Wisconsin	1,356,718	1,275,349	1,510,815	1,428,191	105.8	1,282,337	1,245,309	103.0	214,677
West North Central	6,459,067	6,085,182	6,785,442	6,511,473	104.2	5,976,171	5,833,039	102.4	591,094
Minnesota	1,245,537	1,141,588	1,316,571	1,247,382	105.5	1,085,126	1,065,553	101.8	217,983
Iowa	1,229,392	1,174,629	1,255,101	1,215,338	103.2	1,151,068	1,131,579	101.7	92,129
Missouri	1,723,319	1,680,736	1,822,866	1,806,501	100.9	1,625,545	1,623,952	100.1	81,209
North Dakota	341,673	305,199	359,615	321,230	111.9	294,141	271,954	108.2	60,378
South Dakota	337,120	299,427	363,050	329,199	110.5	313,906	289,899	108.3	37,605
Nebraska	672,805	623,567	706,348	671,615	105.2	630,013	608,343	103.6	63,386
Kansas	909,221	860,036	961,291	919,708	104.5	876,372	846,759	103.5	38,254
South Atlantic	7,035,843	6,954,429	7,880,634	7,912,955	99.6	5,541,147	5,503,859	100.7	170,300
Delaware	113,755	109,248	121,257	117,123	103.5	94,919	93,890	101.1	9,287
Maryland	720,455	720,206	821,009	810,517	101.3	629,427	629,660	100.0	50,266
District of Columbia	203,543	234,028	231,883	254,980	90.9	153,330	170,052	89.8	15,652
Virginia	1,168,492	1,140,695	1,216,046	1,205,805	100.8	879,949	866,636	101.5	13,701
West Virginia	763,100	709,501	889,871	839,334	106.0	795,879	766,535	103.8	32,864
North Carolina	1,279,062	1,280,001	1,575,208	1,595,068	98.8	1,115,181	1,110,979	100.4	5,089
South Carolina	838,293	845,431	853,158	885,607	96.3	470,192	468,582	100.3	3,120
Georgia	1,444,823	1,451,009	1,434,527	1,473,979	97.3	912,606	910,451	100.2	8,178
Florida	495,320	473,150	737,675	730,536	101.0	489,664	486,484	100.7	32,152
East South Central	4,471,690	4,421,617	4,947,502	4,939,712	100.2	3,610,047	3,556,902	101.5	33,359
Kentucky	1,227,494	1,189,136	1,322,793	1,291,796	102.4	1,196,873	1,169,651	102.3	12,292
Tennessee	1,173,967	1,163,918	1,304,559	1,311,997	99.4	1,064,404	1,061,149	100.3	7,394
Alabama	1,173,105	1,175,069	1,315,069	1,331,239	98.8	848,196	836,869	101.4	9,326
Mississippi	897,124	893,494	1,005,141	1,004,680	100.0	500,574	489,233	102.3	4,347
West South Central	5,265,329	4,976,395	6,186,924	5,989,908	103.3	4,555,245	4,374,504	104.1	97,320
Arkansas	895,228	856,976	939,843	914,639	102.8	696,255	668,478	104.2	6,066
Louisiana	903,335	895,174	1,047,823	1,053,770	99.4	644,305	638,945	100.8	20,376
Oklahoma	1,058,044	970,239	1,233,264	1,162,776	106.1	1,079,486	1,017,215	106.1	15,544
Texas	2,409,222	2,254,006	2,965,994	2,858,721	103.8	2,135,229	2,049,866	104.2	55,394
Mountain	1,739,299	1,546,802	1,949,798	1,751,991	111.3	1,566,710	1,443,962	108.1	169,997
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	18,947
Wyoming	110,359	84,043	124,785	100,780	123.8	105,264	89,145	118.1	12,430
Colorado	402,731	440,898	530,752	505,039	105.1	443,117	432,594	102.4	48,004
New Mexico	190,456	169,894	219,222	204,005	107.4	166,993	156,965	106.4	4,755
Arizona	183,602	150,560	231,304	204,269	113.2	132,145	116,642	113.3	9,392
Utah	232,051	217,345	259,999	247,848	104.9	229,578	222,605	103.1	22,978
Nevada	46,240	31,167	53,161	37,897	140.3	38,712	30,438	127.2	8,533
Pacific	2,964,629	2,602,245	4,268,659	3,925,774	108.7	3,208,891	3,129,719	102.5	658,699
Washington	734,701	621,920	826,392	737,004	112.1	658,330	618,513	106.4	142,594
Oregon	416,334	367,055	490,672	454,114	110.0	427,154	404,400	105.6	62,078
California	1,813,591	1,613,270	2,942,595	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 white—Contd.		Negro			Mexican		Indian		Chinese		Japanese		Division and State
Female	Males per 100 females	Male	Female	Males per 100 females	Male	Female	Male	Female	Male	Female	Male	Female	
6,212,698	115.1	5,855,669	6,035,474	97.0	758,674	663,359	170,350	162,047	59,802	15,152	31,771	57,062	U. S.
929,568	97.3	46,963	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	518	494	93	22	2	1	Me.
41,500	99.2	524	266	197.0	-------	1	33	31	71	13	-------	-------	N. H.
20,237	112.8	310	258	120.2	-------	1	20	16	29	5	1	-------	Vt.
545,174	93.4	26,097	26,268	99.3	43	23	458	416	2,530	443	151	50	Mass.
87,563	95.0	4,802	5,051	96.3	6	4	164	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.
2,507,302	110.1	520,626	532,073	97.9	4,550	2,207	4,012	3,697	12,503	1,502	2,740	922	M. A.
1,538,379	107.5	199,485	213,329	93.5	1,879	1,019	3,584	3,389	8,649	1,016	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.
567,613	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	10,443	9,371	5,421	919	755	287	E. N. C.
292,166	120.5	159,128	150,176	106.0	2,806	1,231	252	183	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.
560,221	117.4	164,425	164,547	99.9	18,216	10,690	250	219	2,796	396	414	160	Ill.
375,366	123.9	88,936	80,517	110.5	8,529	4,807	3,835	3,245	902	179	138	38	Mich.
171,536	125.1	5,811	4,928	117.9	1,648	748	5,951	5,597	308	55	19	5	Wis.
468,183	126.3	167,550	164,234	102.0	22,925	16,380	24,848	23,397	1,431	307	662	341	W. N. C.
170,311	128.0	5,005	4,440	112.7	2,069	1,557	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.
68,091	119.4	111,929	111,911	100.0	2,834	2,155	336	242	521	113	80	14	Mo.
44,770	134.9	243	134	181.3	376	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.
51,960	122.0	7,063	6,589	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	2,156,531	2,264,857	95.2	425	266	9,657	9,403	1,477	392	278	115	S. A.
7,604	122.1	16,983	15,619	108.7	24	-------	3	2	32	6	8	-------	Del.
44,827	112.1	140,506	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	305	93	50	28	D. C.
10,119	135.4	321,545	328,620	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	8,353	8,226	59	9	11	6	N. C.
2,146	145.4	379,300	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	119.5	215,148	216,680	99.3	97	88	299	288	160	40	105	48	Fla.
24,306	137.2	1,301,552	1,356,686	95.9	790	613	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	457,144	487,690	93.7	27	42	228	237	44	8	16	9	Ala.
2,702	160.9	498,338	511,380	97.4	694	527	743	715	438	123	1	-------	Miss.
72,912	133.5	1,125,508	1,156,443	97.3	358,151	337,345	48,270	47,400	1,237	345	432	255	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	2,392	2,160	800	736	327	95	33	19	La.
11,209	138.7	86,818	85,380	101.7	4,434	2,920	46,744	45,981	178	28	67	37	Okla.
43,002	128.8	422,608	432,356	97.7	351,077	332,604	516	485	546	167	323	196	Tex.
117,917	144.2	16,312	13,913	117.2	132,905	116,409	52,534	49,549	2,675	577	7,036	4,382	Mt.
28,062	160.0	710	546	130.0	1,766	805	7,664	7,134	427	59	510	243	Mont.
11,507	164.7	395	273	144.7	907	371	1,833	1,805	295	40	847	574	Idaho.
7,219	172.3	699	551	126.9	4,582	2,592	982	863	113	17	645	381	Wyo.
37,402	128.3	5,739	6,089	94.3	30,824	26,852	748	647	195	38	1,847	1,366	Colo.
3,042	156.3	1,531	1,319	116.1	30,775	28,565	14,864	14,077	108	25	157	92	N. Mex.
6,199	151.5	6,352	4,397	144.5	59,102	55,071	22,471	21,255	845	265	532	347	Ariz.
20,794	110.5	609	499	122.0	2,728	1,284	1,516	1,353	282	60	2,056	1,213	Utah.
3,692	232.5	277	239	115.9	2,221	869	2,456	2,415	410	73	442	166	Nev.
501,066	131.5	45,059	45,063	100.0	200,952	169,191	18,238	17,003	31,236	10,395	69,559	50,692	Pac.
101,662	140.3	3,797	3,043	124.8	477	85	5,778	5,475	1,723	472	10,200	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	40,996	97.7	199,228	168,785	10,018	9,194	27,988	9,373	56,440	41,016	Calif.

No. 18.—AGE DISTRIBUTION: PERCENTAGES, BY STATES

NOTE.—Per cent which persons of each age group form of total. Per cents based on total, including the small number of persons of unknown age, for whom percentages are not shown

Division and State	Per cent in age group—											
	Under 5 years		5 to 9 years		10 to 14 years		15 to 19 years		20 to 44 years		45 years and over	
	1920	1930	1920	1930	1920	1930	1920	1930	1920	1930	1920	1930
Continental United States	10.9	9.3	10.8	10.3	10.1	9.8	8.9	9.4	38.4	38.3	20.8	22.8
New England	10.2	8.4	9.5	9.4	8.8	9.3	8.0	8.8	38.9	37.3	24.6	26.7
Maine	9.3	9.4	9.3	10.0	9.1	9.3	8.3	8.6	35.3	33.5	28.1	29.1
New Hampshire	9.3	8.5	9.0	9.4	8.8	9.0	7.9	8.3	36.2	34.5	28.6	30.3
Vermont	9.8	9.2	9.5	9.7	9.2	9.4	8.4	8.7	34.4	33.8	28.5	29.2
Massachusetts	10.0	8.2	9.3	9.2	8.7	9.1	7.8	8.6	39.9	38.2	24.1	26.6
Rhode Island	10.3	8.7	9.6	9.8	8.9	9.4	8.5	9.1	39.2	37.6	23.3	25.4
Connecticut	11.1	8.3	10.1	9.5	8.8	10.0	7.7	9.2	39.9	38.4	22.2	24.6
Middle Atlantic	10.6	8.4	10.1	9.4	9.2	9.3	8.2	9.0	40.2	40.3	21.7	23.5
New York	9.7	7.9	9.4	8.6	8.7	8.6	7.9	8.5	41.7	42.4	22.6	23.9
New Jersey	10.7	8.2	10.2	9.4	9.2	9.5	8.1	9.0	40.6	40.7	21.1	23.1
Pennsylvania	11.5	9.3	10.8	10.4	9.8	10.2	8.5	9.5	38.3	37.4	20.9	23.0
East North Central	10.3	8.7	9.9	9.5	9.1	9.2	8.3	8.8	39.6	39.4	22.5	24.2
Ohio	10.2	8.6	9.5	9.6	8.8	9.2	8.1	8.7	40.1	38.7	23.2	25.1
Indiana	9.9	8.8	9.7	9.7	9.4	9.2	8.7	8.8	37.4	36.8	24.8	26.6
Illinois	10.1	8.1	9.9	8.9	9.2	9.0	8.3	8.9	40.7	41.3	21.6	23.9
Michigan	11.0	9.6	10.0	10.1	8.9	9.4	8.1	8.6	40.2	40.4	21.7	21.9
Wisconsin	10.8	9.2	10.5	9.9	9.9	9.7	9.0	9.2	37.5	37.4	22.1	24.4
West North Central	10.7	9.1	10.5	10.0	10.0	9.7	9.1	9.3	37.9	37.1	21.7	24.8
Minnesota	11.0	9.0	10.4	10.0	9.8	9.9	9.2	9.4	38.8	37.6	20.8	24.1
Iowa	10.4	8.9	10.0	9.8	9.5	9.5	8.9	9.0	37.6	36.1	23.4	26.5
Missouri	9.6	8.4	9.9	9.3	9.8	9.0	9.0	9.0	38.3	38.1	23.2	26.1
North Dakota	14.1	11.1	13.3	11.5	11.6	11.7	9.5	11.1	35.6	34.8	15.9	19.8
South Dakota	12.5	10.3	11.7	11.3	10.4	10.9	9.3	10.0	37.7	36.2	18.0	21.3
Nebraska	11.0	9.5	10.8	10.3	10.2	9.9	8.2	9.6	38.1	37.3	20.4	23.4
Kansas	10.6	9.1	10.5	10.1	10.1	9.6	9.2	9.3	37.0	36.6	22.4	25.3
South Atlantic	12.4	10.9	12.5	12.1	11.7	11.1	10.1	10.6	35.7	35.9	17.6	19.3
Delaware	10.3	8.1	9.5	9.4	9.1	9.5	8.3	8.9	38.9	37.9	23.7	26.2
Maryland	10.1	8.9	9.9	10.0	9.6	9.4	9.0	8.9	38.9	38.9	22.3	23.8
District of Columbia	7.0	6.6	6.8	7.3	6.8	6.7	7.7	7.4	48.5	45.5	22.8	26.1
Virginia	12.0	10.6	12.3	12.1	11.5	11.1	10.1	10.6	35.4	34.9	18.5	20.7
West Virginia	13.4	12.0	12.6	12.7	11.2	11.2	9.7	10.2	35.9	35.1	17.1	18.8
North Carolina	14.0	12.3	13.9	13.5	12.5	12.1	10.5	11.4	33.0	34.2	16.0	16.5
South Carolina	13.6	11.8	14.0	13.8	13.2	12.8	10.9	12.2	33.8	33.2	14.4	16.2
Georgia	12.5	10.9	13.2	12.2	12.6	11.7	10.6	11.5	34.9	35.5	16.0	18.2
Florida	10.9	9.7	11.5	10.4	11.0	9.7	9.5	9.4	37.5	39.4	19.4	21.3
East South Central	12.2	11.4	12.7	12.2	12.2	11.0	10.2	10.6	34.6	35.2	17.9	19.5
Kentucky	12.1	11.2	11.9	12.1	11.2	10.7	9.8	9.9	35.0	34.4	19.9	21.7
Tennessee	12.0	10.8	12.2	11.7	11.8	10.7	10.2	10.6	35.0	35.9	18.6	20.2
Alabama	12.8	11.9	13.6	12.5	12.8	11.5	10.4	11.1	34.0	35.1	16.4	17.9
Mississippi	12.1	11.7	13.2	12.4	13.2	11.4	10.7	11.1	34.3	35.5	16.3	18.0
West South Central	11.9	10.8	12.6	11.7	12.0	10.6	10.4	10.5	36.6	37.8	16.3	18.5
Arkansas	12.6	11.3	13.0	12.2	12.6	11.4	10.5	10.9	34.4	35.1	16.8	19.1
Louisiana	11.6	11.0	12.4	11.8	12.2	10.8	10.5	10.4	37.0	38.0	16.1	18.0
Oklahoma	12.5	11.0	12.9	11.9	12.2	10.8	10.3	10.5	35.8	37.2	16.2	18.5
Texas	11.4	10.5	12.3	11.4	11.7	10.3	10.5	10.4	37.7	38.9	16.2	18.4
Mountain	11.9	10.4	11.2	11.0	10.1	10.3	8.5	9.5	39.1	37.0	18.8	21.6
Montana	12.3	9.2	10.9	10.0	9.4	10.5	7.7	9.3	41.0	37.2	18.4	23.7
Idaho	12.6	10.3	11.9	11.3	10.8	11.2	8.9	10.0	37.4	35.1	18.3	22.1
Wyoming	11.6	10.0	10.7	10.7	9.0	9.6	7.6	8.9	44.4	40.9	16.2	19.8
Colorado	10.3	9.2	10.1	10.1	9.5	9.5	8.4	9.2	39.0	37.2	21.9	24.7
New Mexico	12.9	12.7	12.9	13.0	11.4	10.9	9.6	10.2	36.0	35.3	17.1	17.8
Arizona	12.2	11.5	11.3	11.6	9.8	9.8	8.5	9.2	41.6	39.4	16.2	18.4
Utah	13.7	11.7	12.6	12.3	11.5	11.7	9.7	10.4	35.8	35.2	16.7	18.8
Nevada	8.7	7.8	8.7	8.6	7.4	7.8	6.4	7.6	44.6	41.2	23.7	27.0
Pacific	8.5	7.2	8.7	8.3	8.0	7.9	7.4	7.9	42.0	41.0	25.1	27.5
Washington	9.3	7.3	9.5	8.7	8.7	8.9	7.8	8.8	41.6	38.9	22.8	27.3
Oregon	9.1	7.2	9.3	8.5	8.8	8.7	8.0	8.7	40.2	38.6	24.4	28.2
California	8.0	7.1	8.2	8.2	7.6	7.5	7.1	7.6	42.6	42.0	26.2	27.4

Source: Bureau of the Census, Department of Commerce.

No. 19.—RACE, NATIVITY, AND PARENTAGE: PERCENTAGES, BY STATES

NOTE.—Percentages, particularly in some States, are affected by the fact that in 1910 and 1920 Mexicans were included in the white population, while in 1930 they were given a separate classification

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	98.9	98.8	1.0	1.1	1.2	77.3	39.3	26.3	11.7	28.0	25.6	22.7
Maine	99.7	99.7	99.7	.2	.2	.1	87.4	64.8	11.0	11.6	14.9	14.0	12.6
New Hampshire	99.8	99.8	99.8	.1	.1	.2	82.2	51.6	18.0	12.6	22.5	20.6	17.8
Vermont	99.5	99.8	99.8	.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	29.2	25.2
Connecticut	98.6	98.4	98.1	1.4	1.5	1.8	75.7	34.1	31.7	9.9	29.9	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	98.4	97.9	96.5	1.5	1.9	3.3	73.7	36.8	27.6	9.3	30.4	27.4	26.3
New Jersey	96.4	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	86.6	58.8	20.2	7.6	19.3	16.5	13.4
East North Central	98.2	97.5	96.0	1.6	2.4	3.7	86.7	59.7	18.0	9.0	17.1	15.4	13.3
Ohio	97.6	96.7	95.3	2.3	3.2	4.7	89.8	68.3	14.6	6.9	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	.8	1.6	3.5	81.9	50.8	19.7	11.4	21.4	20.2	18.1
Wisconsin	99.4	99.4	99.1	.1	.2	.4	86.7	49.3	24.0	13.5	22.1	17.6	13.3
West North Central	97.5	97.5	96.8	2.1	2.2	2.5	91.8	66.4	15.1	10.3	14.2	11.2	8.2
Minnesota	99.2	99.2	99.0	.3	.4	.4	84.7	43.9	25.8	15.0	26.4	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	4.8	5.2	6.2	95.6	81.7	8.0	5.9	7.3	5.8	4.4
North Dakota	98.8	98.9	98.6	.1	.1	.1	84.3	38.2	28.8	17.3	27.4	20.5	15.7
South Dakota	96.6	97.3	96.6	.1	.1	.1	90.2	56.1	19.8	14.3	17.8	13.3	9.8
Nebraska	99.0	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	96.6	95.3	3.2	3.3	3.5	90.1	81.1	8.1	7.0	8.3	6.5	3.9
South Atlantic	66.2	69.0	71.9	33.7	30.9	28.0	97.3	91.7	3.4	2.2	3.6	3.3	2.7
Delaware	84.6	86.4	86.3	15.4	13.6	13.7	91.8	75.4	11.4	5.0	10.2	10.3	8.2
Maryland	82.0	83.1	83.0	17.9	16.9	16.9	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	25.1	27.1	91.5	74.1	10.4	7.0	10.3	8.7	8.5
Virginia	67.4	70.1	73.1	32.6	29.9	26.8	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	6.6	96.8	90.6	4.1	2.1	4.9	4.5	3.2
North Carolina	68.0	69.7	70.5	31.6	29.8	29.0	99.6	98.8	.4	.4	.4	.4	.4
South Carolina	44.8	48.6	54.3	55.2	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	29.4	94.3	84.5	5.3	4.5	7.6	6.7	5.7
East South Central	68.4	71.6	73.1	31.5	28.4	26.9	99.2	96.5	1.4	1.3	1.5	1.1	.8
Kentucky	88.6	90.2	91.3	11.4	9.8	8.6	99.1	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	22.6	20.1	18.7	98.1	91.8	3.3	3.0	5.2	5.7	1.9
Arkansas	71.8	73.0	74.1	28.1	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	5.5	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	95.7	96.3	89.2	.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	19.3	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	5.0
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	.6	84.9	58.4	15.2	11.3	24.2	20.9	15.1
Pacific	98.0	98.2	91.5	.7	.9	1.1	84.5	59.1	14.9	10.5	21.4	19.3	15.5
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	10.3	22.9	20.9	16.1

Source: Bureau of the Census, Department of Commerce.

No. 20.—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		Native parentage	
	Total	Male	Female	Male	Female	Male	Female
Continental United States.	72, 943, 524	37, 056, 757	35, 886, 867	26, 418, 580	26, 343, 511	19, 257, 937	18, 858, 829
New England	5, 095, 074	2, 491, 494	2, 613, 580	1, 596, 613	1, 712, 944	882, 289	920, 380
Maine	487, 125	244, 320	242, 805	197, 844	197, 040	153, 689	151, 979
New Hampshire	291, 055	145, 551	145, 504	106, 610	109, 812	71, 515	72, 236
Vermont	220, 428	112, 374	108, 054	92, 231	90, 440	66, 922	66, 947
Massachusetts	2, 686, 487	1, 287, 970	1, 398, 517	787, 645	868, 305	384, 681	414, 903
Rhode Island	421, 197	202, 029	219, 168	120, 480	133, 911	54, 159	57, 644
Connecticut	985, 782	489, 250	496, 632	291, 803	313, 340	149, 303	156, 671
Middle Atlantic	16, 311, 742	8, 189, 533	8, 122, 209	5, 204, 385	5, 423, 528	3, 217, 491	3, 279, 158
New York	8, 142, 851	4, 078, 340	4, 064, 511	2, 396, 659	2, 480, 405	1, 284, 253	1, 306, 156
New Jersey	2, 512, 112	1, 201, 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, 685, 285	8, 057, 827	7, 627, 458	6, 013, 332	5, 943, 338	4, 032, 748	3, 899, 207
Ohio	4, 132, 251	2, 095, 788	2, 036, 463	1, 651, 202	1, 667, 026	1, 261, 525	1, 247, 068
Indiana	2, 003, 019	1, 016, 313	986, 706	893, 602	894, 572	709, 727	709, 552
Illinois	4, 841, 768	2, 469, 993	2, 371, 775	1, 707, 070	1, 723, 009	1, 038, 559	1, 014, 262
Michigan	2, 939, 409	1, 553, 021	1, 381, 388	1, 055, 413	983, 707	648, 349	581, 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, 361	3, 896, 072	3, 386, 937	3, 315, 275	2, 229, 203	2, 161, 565
Minnesota	1, 537, 983	797, 960	740, 023	577, 121	568, 332	227, 425	215, 705
Iowa	1, 509, 129	765, 863	740, 266	608, 246	662, 364	443, 975	435, 426
Missouri	2, 289, 657	1, 157, 503	1, 132, 154	980, 255	991, 121	802, 602	797, 097
North Dakota	358, 182	196, 028	162, 154	134, 564	116, 807	47, 998	40, 420
South Dakota	385, 808	207, 413	178, 395	164, 395	145, 621	83, 978	73, 135
Nebraska	812, 450	419, 130	393, 311	349, 159	336, 300	216, 777	207, 300
Kansas	1, 130, 224	580, 455	549, 769	513, 197	494, 730	406, 448	392, 422
South Atlantic	8, 416, 339	4, 133, 568	4, 231, 771	2, 941, 028	2, 984, 483	2, 758, 634	2, 768, 881
Delaware	148, 702	76, 058	72, 734	56, 450	56, 235	48, 222	47, 452
Maryland	996, 023	500, 549	496, 370	366, 686	374, 862	300, 548	302, 320
District of Columbia	341, 405	160, 809	180, 656	103, 718	120, 223	84, 181	96, 690
Virginia	1, 300, 893	650, 357	650, 536	474, 388	473, 819	456, 862	457, 435
West Virginia	900, 987	471, 779	429, 208	402, 416	382, 477	381, 014	361, 021
North Carolina	1, 542, 125	758, 445	783, 680	549, 843	558, 366	544, 681	552, 915
South Carolina	819, 384	395, 234	424, 150	232, 780	237, 315	228, 570	232, 943
Georgia	1, 498, 567	731, 496	767, 077	474, 796	482, 159	404, 741	471, 645
Florida	866, 108	438, 847	427, 351	280, 017	279, 027	249, 815	245, 960
East South Central	5, 220, 526	2, 602, 304	2, 618, 222	1, 884, 478	1, 876, 167	1, 814, 288	1, 797, 376
Kentucky	1, 422, 434	718, 286	704, 148	635, 197	625, 417	597, 498	581, 238
Tennessee	1, 418, 144	701, 194	716, 950	562, 170	571, 321	548, 620	556, 542
Alabama	1, 348, 401	666, 742	681, 659	427, 670	425, 358	415, 719	412, 584
Mississippi	1, 031, 547	516, 082	515, 465	259, 441	254, 071	252, 451	247, 012
West South Central	6, 611, 094	3, 391, 930	3, 219, 164	2, 487, 849	2, 353, 497	2, 278, 927	2, 142, 292
Arkansas	968, 231	494, 949	473, 282	359, 862	340, 696	346, 077	328, 216
Louisiana	1, 134, 852	566, 908	567, 944	341, 731	340, 854	306, 530	299, 807
Oklahoma	1, 287, 131	673, 398	613, 733	536, 864	535, 781	516, 316	499, 358
Texas	3, 220, 880	1, 656, 675	1, 564, 205	1, 199, 359	1, 136, 166	1, 080, 004	1, 021, 821
Mountain	2, 103, 221	1, 142, 751	965, 470	866, 977	789, 230	628, 341	548, 309
Montana	318, 611	181, 494	137, 117	131, 757	106, 511	80, 613	62, 638
Idaho	246, 770	136, 212	110, 558	115, 088	98, 072	83, 006	70, 667
Wyoming	132, 954	77, 205	55, 749	60, 648	46, 890	45, 284	33, 001
Colorado	623, 523	323, 224	300, 299	255, 941	248, 348	191, 146	182, 227
New Mexico	216, 956	115, 667	101, 289	88, 476	79, 217	81, 708	72, 707
Arizona	244, 115	134, 401	109, 714	79, 927	66, 763	66, 128	54, 440
Utah	264, 498	136, 960	127, 538	110, 074	105, 780	63, 541	60, 242
Nevada	60, 794	37, 588	23, 206	25, 066	17, 640	16, 915	11, 437
Pacific	5, 495, 930	2, 902, 989	2, 592, 941	2, 038, 484	1, 980, 351	1, 416, 036	1, 334, 661
Washington	1, 010, 167	545, 410	464, 757	394, 969	362, 415	264, 735	236, 039
Oregon	621, 375	331, 805	289, 570	265, 741	246, 006	196, 171	177, 399
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 18 to 44 years of age	Division and State
Native white—Con.		Foreign-born white		Negro		All other			
Foreign or mixed parentage		Male	Female	Male	Female	Male	Female		
Male	Female								
7,160,643	7,484,982	6,797,494	5,840,149	3,235,441	3,296,498	605,242	406,409	25,839,208	U. S.
714,344	792,564	851,225	870,489	29,595	29,175	4,061	972	1,622,348	N. E.
44,155	45,067	45,712	45,179	391	322	373	258	145,948	Me.
35,095	37,576	38,457	38,512	409	157	75	23	36,164	N. H.
23,309	23,493	19,906	17,481	197	122	40	11	68,317	Vt.
402,964	453,492	481,255	513,156	16,406	16,492	2,664	474	851,432	Mass.
66,321	76,267	78,324	82,124	2,937	3,015	288	118	136,298	R. I.
142,500	156,669	187,571	174,037	9,255	9,067	621	88	334,187	Conn.
1,987,394	2,144,388	2,612,347	2,347,969	350,152	346,165	22,149	4,549	5,779,072	M. A.
1,082,406	1,174,249	1,556,419	1,433,682	140,078	146,988	15,184	3,436	2,894,157	N. Y.
331,506	357,260	419,593	376,929	65,750	60,146	2,286	288	898,090	N. J.
573,482	612,859	636,335	537,358	144,324	133,031	4,679	825	1,986,825	Pa.
1,980,584	2,049,181	1,679,021	1,368,856	325,519	295,717	39,955	14,527	5,527,668	E. N. C.
389,677	419,958	335,484	275,065	105,736	93,555	3,366	817	1,414,197	Ohio.
128,875	134,020	73,845	55,189	38,250	35,392	5,616	1,553	656,223	Ind.
668,511	708,747	630,727	531,973	115,261	111,431	16,935	5,362	1,722,208	Ill.
407,064	401,782	430,934	341,492	62,139	52,207	9,535	3,982	1,116,699	Mich.
386,457	384,624	208,031	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	26,877	18,042	2,719,748	W. M. C.
349,696	352,567	212,991	165,459	3,690	3,115	4,158	3,117	533,059	Minn.
224,271	226,938	90,027	71,685	6,010	5,320	1,580	897	491,185	Iowa.
177,653	194,024	78,726	65,350	75,937	74,520	2,585	1,163	742,496	Mo.
86,566	76,387	58,925	43,383	177	101	2,362	1,863	139,758	N.Dak.
80,417	72,486	36,886	27,288	239	181	5,893	5,305	145,191	S.Dak.
132,382	129,000	61,942	50,502	4,967	4,554	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.
182,304	195,602	162,775	128,484	1,073,366	1,136,675	6,399	4,129	3,085,876	S. A.
8,228	8,783	8,874	7,223	10,669	9,270	65	6	50,729	Del.
66,138	72,042	48,319	42,859	84,881	78,583	663	75	350,637	Md.
19,532	23,533	14,970	13,525	41,584	46,804	542	104	113,076	D. C.
17,526	16,384	13,137	9,608	162,285	166,935	547	174	467,068	Va.
21,402	21,450	31,425	17,263	37,731	29,424	207	44	346,086	W. Va.
5,162	5,451	4,833	3,457	200,355	218,620	3,414	3,237	587,665	N. C.
4,210	4,372	2,996	2,026	159,190	184,598	268	211	309,681	S. C.
9,994	10,514	7,859	5,465	248,683	279,404	218	49	552,284	Ga.
30,202	33,067	30,362	25,058	127,988	123,037	480	229	308,700	Fla.
70,190	78,791	32,297	23,280	684,048	718,007	1,481	768	1,876,659	E. S. C.
37,699	44,179	11,977	9,219	71,020	69,483	92	29	497,096	Ky.
13,550	14,779	7,116	5,380	131,776	140,198	132	51	504,707	Tenn.
11,951	12,774	8,999	6,136	229,903	250,047	170	118	491,508	Ala.
6,990	7,059	4,205	2,545	251,349	258,279	1,087	570	383,288	Miss.
208,919	204,205	94,543	70,087	614,877	621,099	194,664	174,481	2,546,615	W. S. C.
13,785	12,480	5,900	4,051	128,795	128,335	392	200	356,330	Ark.
35,201	40,957	19,819	13,952	203,250	211,788	2,099	1,350	432,006	La.
40,548	36,423	15,178	10,852	48,364	45,798	22,902	21,302	500,673	Okla.
119,385	114,345	53,646	41,232	234,459	235,178	169,181	151,629	1,257,606	Tex.
238,636	220,921	164,172	112,222	11,886	9,545	99,716	74,473	790,317	Mt.
51,144	43,873	43,218	26,438	559	402	5,960	3,766	118,622	Mont.
32,082	27,405	18,283	10,901	310	208	2,531	1,377	91,213	Idaho.
15,364	12,989	12,028	6,817	560	402	3,969	1,640	56,445	Wyo.
64,795	66,121	46,667	36,093	4,189	4,381	16,427	11,477	213,703	Colo.
6,768	6,510	4,641	2,898	981	787	21,569	18,387	85,233	N.Mex.
13,799	12,323	8,984	5,811	4,591	2,816	40,899	34,324	99,788	Ariz.
46,533	45,547	21,973	19,743	454	352	4,459	1,654	101,730	Utah.
8,151	6,153	8,378	3,521	242	197	3,902	1,848	23,583	Nev.
620,448	645,690	624,064	466,285	32,501	31,837	209,940	114,468	1,890,909	Pac.
130,234	126,376	134,568	93,695	2,895	2,166	12,978	6,481	345,138	Wash.
69,570	68,607	59,004	40,260	978	739	6,082	2,565	206,921	Oreg.
420,644	450,707	430,492	332,330	28,628	28,932	190,880	105,422	1,338,850	Calif.

No. 21.—POPULATION STATISTICS OF CITIES

NOTE.—In the 1930 figures "Colored" includes Mexican; at prior censuses the Mexican element in the popu- of total population of the city. The increase from census to census

City	Total population					Native white, native parentage		
						Number		Per cent, 1930
	1890	1900	1910	1920	1930	1920	1930	
Akron, Ohio	27,601	42,728	69,067	208,435	255,040	125,079	162,699	63.8
Albany, N. Y.	94,923	94,151	100,253	113,344	127,412	56,265	66,566	52.2
Allentown, Pa.	25,228	35,416	51,913	73,502	92,563	51,937	64,147	69.3
Altoona, Pa.	30,337	38,973	52,127	60,331	82,054	43,390	61,960	75.5
Asheville, N. C.	10,235	14,694	18,762	28,504	50,193	19,984	33,585	66.9
Atlanta, Ga.	65,533	89,872	154,839	200,616	270,366	124,948	166,513	61.6
Atlantic City, N. J.	13,055	27,838	46,150	50,707	66,198	22,087	24,464	37.0
Augusta, Ga.	33,300	39,441	41,040	52,548	60,342	26,883	33,310	55.2
Austin, Tex.	14,575	22,258	29,860	34,876	53,120	20,905	31,666	59.6
Baltimore, Md.	434,439	508,957	558,485	733,826	804,874	378,380	427,372	53.1
Bayonne, N. J.	19,033	32,722	55,545	76,754	88,979	14,497	20,085	22.6
Beaumont, Tex.	3,296	9,427	20,640	40,422	57,732	21,710	32,900	57.0
Berkeley, Calif.	5,101	13,214	40,434	56,036	82,109	28,669	43,755	53.3
Bethlehem, Pa.	6,762	7,293	[2] 12,837	50,358	57,892	26,503	29,820	51.5
Binghamton, N. Y.	35,005	39,647	48,443	66,800	76,662	40,030	46,309	60.5
Birmingham, Ala.	26,178	38,415	132,685	178,806	259,678	92,211	141,493	54.5
Boston, Mass.	448,477	560,892	[3] 670,585	748,060	781,188	181,811	200,130	25.6
Bridgeport, Conn.	48,866	70,996	102,054	143,555	146,716	86,816	87,587	25.6
Brockton, Mass.	27,294	40,063	56,878	66,254	63,797	24,643	24,909	39.0
Buffalo, N. Y.	255,664	352,387	423,715	506,775	573,076	165,135	212,586	37.1
Cambridge, Mass.	70,028	91,886	104,839	109,694	113,643	29,045	31,100	27.4
Camden, N. J.	58,313	75,935	94,538	116,309	118,700	56,249	52,912	44.6
Canton, Ohio	26,189	30,667	50,217	87,091	104,906	53,783	65,090	62.0
Cedar Rapids, Iowa	18,020	25,656	32,811	45,566	56,097	26,667	36,025	64.2
Charleston, S. C.	54,955	55,807	58,833	67,957	62,265	28,262	28,248	45.4
Charleston, W. Va.	6,742	11,099	22,996	39,608	60,408	31,044	48,167	79.7
Charlotte, N. C.	11,557	18,091	34,014	46,338	82,675	30,196	54,819	66.3
Chattanooga, Tenn.	29,100	30,154	44,604	57,895	119,798	34,911	81,212	67.8
Chester, Pa.	20,226	33,988	38,537	58,030	59,104	25,627	26,856	45.4
Chicago, Ill.	1,099,850	1,698,575	2,185,283	2,701,705	3,376,438	642,871	948,301	27.9
Cicero, Ill.	10,204	16,310	14,557	44,995	66,602	6,470	13,564	20.4
Cincinnati, Ohio	296,908	325,902	363,591	401,247	451,160	206,605	264,123	58.5
Cleveland, Ohio	261,353	381,768	560,663	796,841	900,429	212,247	242,332	27.0
Cleveland Heights, Ohio			2,955	15,236	50,945	9,053	20,210	51.4
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	158,069	201,778	69.4
Covington, Ky.	37,371	42,938	53,270	57,121	65,252	37,391	49,297	75.5
Dallas, Tex.	38,067	42,638	92,104	158,976	260,475	112,509	192,580	73.9
Davenport, Iowa	26,872	35,254	43,028	56,727	60,751	29,304	36,214	59.6
Dayton, Ohio	61,220	85,333	116,577	152,559	200,982	100,996	142,059	70.7
Dearborn, Mich.		844	911	2,470	50,358	(4)	20,351	40.4
Decatur, Ill.	16,841	20,754	31,140	43,818	57,510	33,254	45,939	79.9
Denver, Colo.	106,713	133,859	213,381	256,491	287,861	144,678	169,457	58.9
Des Moines, Iowa	50,093	62,139	86,368	126,468	142,559	84,361	100,236	70.3
Detroit, Mich.	205,876	285,704	465,766	993,678	1,568,662	313,997	537,844	34.3
Duluth, Minn.	33,115	52,969	78,456	98,917	101,463	23,031	30,675	30.2
Durham, N. C.	5,485	6,679	18,241	21,719	52,037	13,608	32,382	62.2
East Chicago, Ind.	1,255	3,411	19,098	35,967	54,784	5,954	11,521	21.0
East Orange, N. J.		21,508	34,371	50,710	68,020	27,455	33,647	49.5
East St. Louis, Ill.	15,169	29,655	58,547	66,767	74,347	38,854	45,820	61.6
Elizabeth, N. J.	37,764	52,130	73,409	95,783	114,589	25,837	33,605	29.3
El Paso, Tex.	10,338	15,906	39,279	77,560	102,421	27,456	32,810	32.0
Erie, Pa.	40,634	52,733	66,525	93,372	115,967	41,179	55,286	47.7
Evanston, Ill.		19,259	24,978	37,234	63,338	16,723	31,987	50.5
Evansville, Ind.	50,756	59,007	69,647	85,264	102,249	60,270	80,329	78.6
Fall River, Mass.	74,398	104,863	119,295	120,485	115,274	19,108	24,368	21.1
Flint, Mich.	9,803	13,103	38,550	91,599	156,492	50,186	91,557	58.5
Fort Wayne, Ind.	35,393	45,115	63,933	86,549	114,946	57,675	86,196	75.0
Fort Worth, Tex.	23,076	26,688	73,312	106,482	163,447	75,515	126,116	77.2
Fresno, Calif.	10,818	12,470	24,892	45,086	52,513	23,793	25,914	49.3
Galveston, Tex.	29,084	37,789	36,981	44,255	52,938	17,289	22,401	42.3
Gary, Ind.			10,802	55,378	100,426	16,519	33,635	33.5

[1] Includes Indians, Chinese, Japanese, and other nonwhite. (See headnote.)
[2] Total population for 1910, including South Bethlehem and West Bethlehem boroughs, now a part of Bethlehem, 32,810.

HAVING IN 1930 OVER 50,000 INHABITANTS

lation was included in the white classification. Per cents show proportion which specified class forms
includes that due to annexation of territory as well as to direct growth

Native white, foreign or mixed parentage			Foreign-born white			Colored [1]			Sex, 1930		City
Number		Per cent, 1930	Number		Per cent, 1930	Number		Per cent, 1930	Male	Female	
1920	1930		1920	1930		1920	1930				
39,750	49,477	19.4	37,889	31,568	12.4	5,717	11,296	4.4	130,029	125,011	Akron.
38,135	40,476	31.8	17,636	17,918	14.1	1,308	2,452	1.9	61,947	65,465	Albany.
12,767	18,439	19.9	8,612	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.
798	1,506	3.0	555	842	1.7	7,157	14,260	28.4	23,124	27,069	Asheville.
8,099	9,007	3.3	4,738	4,727	1.7	62,831	90,119	33.3	126,493	143,873	Atlanta.
10,590	16,147	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	734	1.2	22,660	24,345	40.3	28,329	32,013	Augusta.
4,476	4,926	9.3	2,547	1,617	3.0	6,958	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	408,986	Baltimore.
36,103	41,681	46.8	25,472	24,899	28.0	682	2,314	2.6	47,119	41,860	Bayonne.
3,558	4,084	7.1	1,918	1,523	2.6	13,236	19,225	33.3	28,844	28,888	Beaumont.
15,954	21,590	26.3	9,573	12,163	14.8	1,840	4,601	5.6	38,623	43,486	Berkeley.
12,546	16,837	29.1	10,943	10,093	17.4	366	1,142	2.0	29,088	28,804	Bethlehem.
15,742	18,967	24.7	10,368	10,566	13.8	660	760	1.0	37,206	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.
309,755	329,270	42.1	238,919	220,356	29.4	17,575	22,432	2.9	383,454	397,734	Boston.
57,990	64,979	44.3	46,414	40,759	27.8	2,335	3,391	2.3	73,051	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	39.8	121,530	118,316	20.6	4,733	14,207	2.5	284,460	288,616	Buffalo.
43,101	44,616	39.3	32,104	32,330	28.4	5,444	5,597	4.9	54,013	59,630	Cambridge.
31,242	35,756	30.1	20,262	18,615	15.7	8,556	11,417	9.6	59,442	59,258	Camden.
17,304	23,534	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	4,974	8.9	688	873	1.6	27,139	28,958	Cedar Rapids.
5,180	4,318	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	14,645	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	8,048	13.6	7,203	9,294	15.7	30,424	28,740	Chester.
1,140,816	1,332,373	39.5	805,482	842,057	24.9	112,536	258,707	7.7	1,710,663	1,665,775	Chicago.
23,050	33,382	50.1	15,466	19,490	29.3	9	166	.2	34,284	32,318	Cicero.
121,665	104,154	23.1	42,827	34,835	7.7	30,150	48,048	10.6	218,995	232,165	Cincinnati.
310,241	354,771	39.4	239,538	229,487	25.5	34,815	73,339	8.1	456,856	443,573	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.
39,597	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	17.0	2,883	1,900	2.9	3,046	3,482	5.6	31,690	33,562	Covington.
13,649	16,607	6.4	8,730	6,473	2.5	24,088	44,755	17.2	126,071	134,404	Dallas.
18,991	17,860	29.4	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.
(4)	16,222	32.2	(4)	13,395	26.6	(4)	390	.8	27,279	23,079	Dearborn.
6,787	7,251	12.6	2,590	2,355	4.1	1,187	1,965	3.4	28,004	29,505	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	5,835	4.1	68,481	74,078	Des Moines.
348,771	503,016	32.1	289,297	399,281	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.
13,393	18,994	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	6,780	10,036	14.8	2,400	4,933	7.3	31,637	36,383	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	56,241	Elizabeth.
14,995	6,311	6.2	33,353	2,344	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	53,455	Erie.
11,182	16,728	26.4	6,771	9,623	15.2	2,558	5,000	7.9	29,586	33,752	Evanston.
15,437	13,303	13.0	3,145	2,082	2.0	6,412	6,535	6.4	49,480	52,769	Evansville.
58,615	58,321	50.6	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	26,012	25.9	16,460	19,345	19.3	5,334	21,434	21.3	54,593	45,833	Gary.

[3] Total population for 1910, including Hyde Park, annexed since 1910, 686,092.
[4] Not distributed by nativity or race.

No. 21.—Population Statistics of Cities Having

City	Total population					Native white, native parentage		
						Number		Per cent, 1930
	1890	1900	1910	1920	1930	1920	1930	
Glendale, Calif.			2,746	13,536	62,736	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	15,895	19,861	53,569	13,364	38,086	71.1
Hamilton, Ohio	17,565	23,914	35,279	39,675	52,176	27,201	40,112	76.9
Hammond, Ind.	5,428	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	80,339	59,268	62,204	77.4
Hartford, Conn.	53,230	79,850	98,915	138,036	164,072	40,327	45,582	27.8
Highland Park, Mich.		427	4,120	46,499	52,959	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	292,352	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
Irvington, N. J.		5,255	11,377	25,480	56,733	9,806	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	28,429	57,699	91,558	129,549	39,960	68,915	53.2
Jersey City, N. J.	163,003	206,433	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	82,331	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.	22,536	32,637	36,346	77,818	105,802	63,558	85,432	80.7
Lakewood, Ohio		3,355	15,181	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.	44,654	52,559	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	66.5
Little Rock, Ark.	25,874	38,307	45,941	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	223,928	234,891	307,745	139,403	212,121	68.9
Lowell, Mass.	77,696	94,969	106,294	112,759	100,234	24,676	26,929	26.9
Lynn, Mass.	55,727	68,513	89,336	99,148	102,320	33,988	34,370	33.6
Macon, Ga.	22,746	23,272	40,665	52,995	53,329	27,923	29,199	54.2
Madison, Wis.	13,426	19,164	25,531	38,378	57,899	19,145	35,085	60.6
Malden, Mass.	23,031	33,664	44,404	49,103	58,036	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	39,038	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	217,729	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	36,326	53.3
Montgomery, Ala.	21,883	30,346	38,136	43,464	66,079	21,145	33,734	51.1
Mount Vernon, N. Y.	10,330	21,228	30,919	42,726	61,499	15,010	20,386	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	108,574	24.5
New Bedford, Mass.	40,733	62,442	96,652	121,217	112,597	20,098	22,164	19.7
New Britain, Conn.	16,519	25,998	43,916	59,316	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	339,075	387,219	458,762	190,641	242,282	52.8
New Rochelle, N. Y.	8,217	14,720	28,867	36,213	54,000	11,730	18,292	33.9
Newton, Mass.	24,379	33,587	39,806	46,054	65,276	20,148	29,631	45.4
New York, N. Y.[2]	2,507,414	3,437,202	4,766,883	5,620,048	6,930,446	1,164,834	1,505,200	21.7
Niagara Falls, N. Y.		19,457	30,445	50,760	75,460	13,477	20,596	27.3
Norfolk, Va.	34,871	46,624	67,452	115,777	129,710	57,759	72,687	56.0
Oakland, Calif.	48,682	66,960	150,174	216,261	284,063	90,279	131,755	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.	140,452	102,555	[1]24,096	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
Passaic, N. J.	13,028	27,777	54,773	63,841	62,959	8,816	9,888	15.7

[1] Includes Indians, Chinese, Japanese, and other nonwhites.
[2] 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			Colored [1]			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	957	1.8	168	472	.9	5,975	14,054	26.2	25,566	28,003	Greensboro.
8,473	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	8,118	9,687	15.0	168	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	67,357	41.1	40,667	44,528	27.1	4,355	6,605	4.0	80,015	84,057	Hartford.
13,789	14,239	26.9	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	32,834	26,627	Hoboken.
28,782	26,939	47.6	20,255	16,232	28.7	172	145	.3	28,918	29,619	Holyoke.
19,823	29,702	10.2	12,012	11,293	3.9	34,008	77,665	26.6	145,962	146,390	Houston.
1,834	2,974	3.9	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	34,783	44,097	12.1	176,647	187,514	Indianapolis.
10,058	22,258	39.2	5,508	13,239	23.3	108	135	.2	28,174	28,559	Irvington.
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	41,586	48,229	37.2	62,018	67,531	Jacksonville.
126,945	133,473	42.1	75,981	70,313	22.2	8,094	12,828	4.1	159,315	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	6,440	11.8	780	1,037	1.9	26,931	27,855	Kalamazoo.
18,472	19,312	15.8	11,656	7,593	6.2	14,474	22,696	18.6	60,867	60,990	Kansas City, Kans.
57,063	62,578	15.7	27,320	24,278	6.1	30,893	42,005	10.5	194,542	205,204	Kansas City, Mo.
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	17,007	16.2	50,973	54,829	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	30,785	38,612	Lansing.
42,604	42,172	49.0	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.
10,353	25,929	18.3	6,799	13,255	9.3	553	2,856	2.0	68,256	73,776	Long Beach.
140,349	273,708	22.1	112,057	181,848	14.7	29,809	164,464	13.3	610,678	627,370	Los Angeles.
43,745	39,243	12.8	11,021	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	47,386	52,848	Lowell.
36,361	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	20,062	Macon.
14,068	17,127	29.6	4,852	5,274	9.1	313	413	.7	27,536	30,363	Madison.
19,365	23,595	40.7	14,105	15,964	27.5	546	654	1.1	27,728	30,308	Malden.
31,939	33,462	43.6	27,516	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	5,775	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	54,629	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	32,666	35,536	Mobile.
1,725	1,740	2.6	761	631	1.0	10,833	29,974	45.4	30,635	35,444	Montgomery.
16,258	23,163	37.7	10,090	14,279	23.2	1,368	3,671	6.0	29,634	31,865	Mount Vernon.
6,294	5,480	3.6	2,387	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	218,574	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.
26,602	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.
69,283	65,766	14.3	25,992	19,681	4.3	101,303	131,033	28.6	219,250	230,512	New Orleans.
13,349	18,416	34.1	8,457	12,556	23.3	2,677	4,736	8.8	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	2,788,625	40.2	1,991,547	2,293,400	33.1	160,585	343,221	5.0	3,472,956	3,457,490	New York.[5]
18,874	29,385	38.9	17,886	24,467	32.4	523	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.
9,011	14,472	19.0	6,785	9,874	13.0	1,592	6,943	9.1	33,740	42,346	Pasadena.
28,042	29,856	47.4	26,365	21,338	33.9	618	1,877	3.0	31,324	31,635	Passaic.

[6] Total population for 1910, including South Omaha, annexed since 1910, 150,355.

No. 21.—Population Statistics of Cities Having

City	Total population					Native white, native parentage		
						Number		Per cent, 1930
	1890 [1]	1900	1910	1920	1930	1920	1930	
Paterson, N. J.	78,347	105,171	125,600	135,875	138,513	31,824	33,838	24.4
Pawtucket, R. I.	27,633	39,231	51,622	64,248	77,149	14,780	20,394	26.4
Peoria, Ill.	41,024	56,100	66,950	76,121	104,969	46,213	73,758	70.3
Philadelphia, Pa.	1,046,964	1,293,697	1,549,008	1,823,779	1,950,961	608,782	740,508	38.0
Pittsburgh, Pa.	343,904	451,512	533,905	588,343	669,817	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	7,663	22,251	50,902	14,762	34,121	67.0
Portland, Me.	36,425	50,145	58,571	69,272	70,810	35,969	38,318	54.1
Portland, Oreg.	46,385	90,426	207,214	258,288	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	96,071	107,784	111,171	81,009	79,807	71.8
Richmond, Va.	81,388	85,050	127,628	171,667	182,929	102,955	115,536	63.2
Roanoke, Va.	16,159	21,495	34,874	50,842	69,206	39,000	54,153	78.2
Rochester, N. Y.	133,896	162,608	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	36,558	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	61,903	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	821,960	359,482	438,592	53.4
St. Paul, Minn.	133,156	163,065	214,744	234,698	271,606	77,378	111,617	41.1
Salt Lake City, Utah	44,843	53,531	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	76,299	99,602	43.0
San Diego, Calif.	16,159	17,700	39,578	74,361	147,995	41,333	66,033	58.7
San Francisco, Calif.	298,997	342,782	416,912	506,676	634,394	167,179	235,298	37.1
San Jose, Calif.	18,060	21,500	28,946	39,642	57,551	18,011	27,497	47.7
Savannah, Ga.	43,189	54,244	65,064	83,252	85,024	34,420	37,846	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	365,583	139,701	174,322	47.7
Shreveport, La.	11,979	16,013	28,015	43,874	76,655	22,747	43,901	57.3
Sioux City, Iowa	37,806	33,111	47,828	71,227	79,183	38,751	47,745	60.3
Somerville, Mass.	40,152	61,643	77,236	93,091	103,908	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	46,204	64.4
Springfield, Mass.	44,179	62,059	88,926	129,614	149,900	48,945	58,056	38.7
Springfield, Mo.	21,850	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	66,083	62,810	48,970	48,337	77.0
Toledo, Ohio	81,434	131,822	168,497	243,164	290,718	124,055	165,182	56.8
Topeka, Kans.	31,007	33,608	43,684	50,022	64,120	33,594	45,759	71.4
Trenton, N. J.	57,458	73,307	96,815	119,289	123,356	44,195	42,397	34.4
Troy, N. Y.	60,956	60,651	76,813	71,996	72,763	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.	10,643	15,187	21,023	20,651	58,659	5,807	15,008	25.7
Utica, N. Y.	44,007	56,383	74,419	94,156	101,740	33,751	38,203	37.6
Waco, Tex.	14,445	20,686	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	230,488	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	38,878	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	91,509	82.4
Wilkes-Barre, Pa.	37,718	51,721	67,105	73,833	86,626	28,709	34,538	39.9
Wilmington, Del.	61,431	76,508	87,411	110,168	106,597	56,808	56,838	53.3
Winston-Salem, N. C.	10,729	13,650	22,700	48,395	75,274	26,911	41,499	55.1
Worcester, Mass.	84,655	118,421	145,986	179,754	195,311	80,716	68,699	30.1
Yonkers, N. Y.	32,033	47,931	79,803	100,176	134,646	30,059	41,788	31.0
York, Pa.	20,793	33,708	44,750	47,512	55,254	41,552	48,263	87.3
Youngstown, Ohio	33,220	44,885	79,066	132,358	170,002	46,459	62,605	36.8

[1] Includes Indians, Chinese, Japanese, and other nonwhite.

Source: Bureau of the Census, Department of Commerce.

IN 1930 OVER 50,000 INHABITANTS—Continued

Native white, foreign or mixed parentage			Foreign-born white			Colored			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	52,457	Peoria.
591,471	619,235	31.7	397,927	368,024	18.9	135,599	222,504	11.4	968,281	982,680	Philadelphia.
213,465	233,063	34.8	120,266	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	628	3,399	5.2	34,087	29,941	Pontiac.
2,153	3,284	6.5	1,413	1,570	3.1	3,923	11,927	23.4	26,766	24,136	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	150,494	151,321	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.
10,546	10,378	20.7	7,393	4,722	9.4	1,515	4,965	9.9	25,304	24,792	Pueblo.
19,214	28,371	39.4	13,749	17,652	24.5	68	71	.1	35,439	36,544	Quincy.
24,858	27,602	40.9	16,199	14,288	21.2	325	603	.9	34,444	33,098	Racine.
16,298	19,813	17.8	9,553	9,563	8.6	933	1,988	1.8	54,555	56,616	Reading.
9,981	10,289	5.6	4,637	4,046	2.2	54,093	53,058	29.0	85,715	97,214	Richmond.
1,630	1,850	2.7	869	831	1.2	9,343	12,372	17.9	33,271	35,935	Roanoke.
110,792	123,163	37.5	71,321	74,696	22.8	1,661	2,838	.9	160,261	167,871	Rochester.
23,641	29,862	34.8	17,343	18,164	21.2	526	1,280	1.5	43,429	42,435	Rockford.
18,638	24,214	25.8	10,873	12,612	13.5	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	40,804	39,821	Saginaw.
13,758	11,850	14.6	6,423	3,880	4.8	4,227	4,511	5.6	39,681	41,254	St. Joseph.
239,894	207,901	25.3	103,239	80,386	9.8	70,282	95,081	11.6	401,706	420,254	St. Louis.
102,198	110,885	40.8	51,595	44,143	16.3	3,527	4,961	1.8	131,570	140,036	St. Paul.
41,113	41,884	29.9	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	117,866	San Antonio.
17,660	30,725	20.8	13,241	16,366	11.1	2,127	13,371	9.4	74,290	73,705	San Diego.
182,643	206,285	32.5	140,200	153,386	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	859	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	33,980	35.5	20,490	20,161	21.1	478	706	.7	48,869	46,823	Schenectady.
59,931	61,888	43.1	28,568	25,430	17.7	569	763	.5	70,061	73,372	Scranton.
89,004	103,251	28.2	73,875	72,975	20.0	12,732	15,035	4.1	186,083	179,500	Seattle.
2,325	3,851	5.0	1,296	1,541	2.0	17,506	27,362	35.7	36,483	40,172	Shreveport.
20,026	21,488	27.1	11,216	8,501	10.7	1,234	1,449	1.8	39,295	39,888	Sioux City.
30,254	42,689	41.1	24,182	20,545	28.4	366	323	.3	50,065	53,843	Somerville.
22,390	29,051	27.9	13,391	14,020	13.5	1,287	3,504	3.4	52,555	51,038	South Bend.
29,230	30,703	26.6	16,826	16,190	14.0	1,057	1,187	1.0	57,816	57,698	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	72,688	77,212	Springfield.
3,137	3,380	5.9	973	838	1.5	1,609	1,787	3.1	27,502	30,025	Springfield.
8,005	7,358	10.7	2,757	2,135	3.1	7,041	8,282	12.0	33,887	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.
39,336	32,546	30.5	20,563	19,796	18.5	2,409	2,258	2.1	54,154	52,663	Tacoma.
11,837	22,296	22.0	10,666	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	8,548	13.3	4,000	2,295	3.6	4,326	7,518	11.7	30,461	33,659	Topeka.
40,634	46,082	37.4	30,073	26,757	21.7	4,387	8,120	6.6	61,938	61,418	Trenton.
26,827	24,454	33.6	11,477	10,203	14.0	570	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	24,959	42.5	5,862	18,535	31.6	30	67	.1	29,116	29,543	Union City.
36,756	41,642	40.9	23,257	21,309	20.9	392	496	.5	49,189	52,551	Utica.
3,098	3,178	6.0	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	20,932	6.1	110,711	132,955	27.3	231,883	254,986	Wash., D. C.[7]
38,695	44,314	44.4	29,894	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	6,788	6.1	54,174	56,936	Wichita.
30,000	36,486	42.1	14,567	14,688	17.0	557	914	1.1	42,624	44,002	Wilkes-Barre.
26,235	25,029	23.5	16,279	12,592	11.8	10,786	12,138	11.4	53,297	53,300	Wilmington.
442	778	1.0	206	428	.6	20,746	32,569	43.3	35,792	39,482	Winston-Salem.
74,257	84,072	43.0	53,418	51,047	26.1	1,363	1,493	.8	95,488	99,823	Worcester.
42,419	55,381	41.1	25,700	34,065	25.3	1,998	3,412	2.5	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	59,565	35.0	33,834	32,938	19.4	6,763	14,804	8.8	86,739	83,263	Youngstown.

[7] Population shown is for District of Columbia, with which the city is now coextensive.

No. 22.—MARITAL CONDITION OF PERSONS 15 YEARS OF AGE AND OVER: BY SEX, RACE, AND NATIVITY, CONTINENTAL UNITED STATES

NOTE.—In 1920 persons of the Mexican race were included in the white classification. In 1930 they were tabulated separately, and in the following table are combined with "All other." The number divorced is considered to be understated

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
All classes	36,920,863	43,881,021	100.0	100.0	35,177,515	42,837,149	100.0	100.0
Single	12,907,565	14,953,712	35.1	34.1	9,616,902	11,306,653	27.3	26.4
Married	21,849,266	26,327,109	59.2	60.0	21,318,933	26,170,756	60.6	61.1
Widowed	1,758,308	2,025,036	4.8	4.6	3,917,625	4,734,207	11.1	11.1
Divorced	235,284	489,478	.6	1.1	273,304	573,148	.8	1.3
Unknown	110,240	85,686	.3	.2	50,751	52,385	.1	.1
White	33,335,586	39,214,156	100.0	100.0	31,654,841	38,220,229	100.0	100.0
Single	11,782,665	13,364,509	35.3	34.1	8,772,732	10,229,306	27.7	26.8
Married	19,698,113	23,603,312	59.1	60.2	19,210,238	23,444,243	60.7	61.3
Widowed	1,549,164	1,745,213	4.6	4.5	3,399,662	4,023,372	10.7	10.5
Divorced	207,563	428,073	.6	1.1	228,505	477,624	.7	1.2
Unknown	97,981	73,049	.3	.2	43,644	45,684	.1	.1
Native white, total	26,083,047	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	7,936,933	9,459,175	30.8	29.4
Married	14,795,171	18,642,713	56.7	57.9	15,086,735	19,200,906	58.6	59.7
Widowed	1,111,115	1,282,341	4.3	4.0	2,480,407	3,030,472	9.6	9.4
Divorced	175,713	365,243	.7	1.1	200,909	425,682	.8	1.3
Unknown	73,430	61,217	.3	.2	35,872	38,852	.1	.1
Native white, native parentage	19,092,107	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	5,268,490	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	61,690	45,826	.3	.2	27,650	27,485	.1	.1
Native white, foreign or mixed parentage	6,990,940	8,840,646	100.0	100.0	7,211,108	9,176,488	100.0	100.0
Single	3,151,100	3,803,906	45.1	43.0	2,668,443	3,204,357	37.0	34.9
Married	3,550,882	4,629,573	50.8	52.4	3,890,870	5,057,238	54.0	55.1
Widowed	236,294	306,256	3.4	3.5	595,407	802,612	8.3	8.7
Divorced	40,024	85,520	.6	1.0	48,106	100,914	.7	1.1
Unknown	11,740	15,391	.2	.2	8,222	11,367	.1	.1
Foreign-born white	7,252,539	7,004,050	100.0	100.0	5,913,985	6,065,142	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	438,040	462,872	6.0	6.6	919,255	992,900	15.5	16.4
Divorced	31,950	62,880	.4	.9	27,656	51,942	.5	.9
Unknown	24,551	11,832	.3	.2	7,772	6,832	.1	.1
Negro	3,393,211	3,941,462	100.0	100.0	3,423,100	4,099,552	100.0	100.0
Single	1,104,877	1,270,950	32.6	32.2	825,258	953,806	24.1	23.3
Married	2,050,407	2,357,821	60.4	59.8	2,039,181	2,398,144	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
All other	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	868	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. 23. MARITAL CONDITION OF PERSONS 15 YEARS OF AGE AND OVER, BY MAJOR CLASSES AND SEX: By Geographic Divisions, 1930

Note.—The number divorced is considered to be understated. For marital condition of total male and female population of each division see Table 25

Division and marital condition	Native white				Foreign-born white		Negro	
	Native parentage		Foreign or mixed parentage					
	Number	Per cent	Number	Per cent	Number	Per cent	Number	Per cent
UNITED STATES (cont'l)								
Males	23,363,460	100.0	8,840,646	100.0	7,004,050	100.0	3,941,462	100.0
Single	8,054,686	34.5	3,803,906	43.0	1,505,917	21.5	1,270,950	32.2
Married	14,013,140	60.0	4,629,573	52.4	4,960,599	70.8	2,357,821	59.8
Widowed	976,085	4.2	306,256	3.5	402,872	6.6	247,595	6.3
Divorced	279,723	1.2	85,520	1.0	62,830	.9	55,713	1.4
Unknown	45,826	.2	15,391	.2	11,832	.2	9,383	.2
Females	22,978,599	100.0	9,176,488	100.0	6,085,142	100.0	4,099,552	100.0
Single	6,254,818	27.2	3,204,357	34.9	770,131	12.7	953,809	23.3
Married	14,143,668	61.6	5,057,238	55.1	4,243,337	70.0	2,398,144	58.5
Widowed	2,227,860	9.7	802,612	8.7	992,900	16.4	652,663	15.9
Divorced	324,768	1.4	100,914	1.1	51,942	.9	88,868	2.2
Unknown	27,485	.1	11,367	.1	6,832	.1	6,071	.1
NEW ENGLAND								
Males	1,037,567	100.0	944,471	100.0	881,186	100.0	33,782	100.0
Single	358,663	34.6	484,280	51.3	167,283	19.0	12,134	35.9
Married	605,066	58.3	425,567	45.1	649,863	73.7	19,140	56.7
Widowed	58,571	5.6	27,505	2.9	57,842	6.6	1,931	5.7
Divorced	12,999	1.2	5,805	.6	5,313	.6	474	1.4
Unknown	2,208	.2	1,324	.1	885	.1	83	.2
Females	1,077,480	100.0	1,026,752	100.0	905,520	100.0	33,772	100.0
Single	347,721	32.3	473,394	46.1	142,191	15.7	8,718	25.8
Married	578,727	53.7	478,331	46.6	620,850	68.6	19,057	56.4
Widowed	133,786	12.4	65,929	6.4	135,805	15.0	5,256	15.6
Divorced	15,853	1.5	8,102	.8	6,036	.7	697	2.1
Unknown	1,373	.1	1,026	.1	658	.1	44	.1
MIDDLE ATLANTIC								
Males	3,830,598	100.0	2,632,564	100.0	2,701,094	100.0	393,213	100.0
Single	1,379,810	36.0	1,318,718	50.1	565,872	20.9	135,809	34.5
Married	2,239,936	58.5	1,215,140	46.2	1,974,016	73.1	234,880	59.7
Widowed	174,598	4.6	80,584	3.1	146,143	5.4	19,020	4.8
Divorced	27,576	.7	10,586	.4	9,880	.4	2,419	.6
Unknown	8,678	.2	7,530	.3	5,183	.2	1,085	.3
Females	3,897,290	100.0	2,796,291	100.0	2,448,073	100.0	400,412	100.0
Single	1,195,679	30.7	1,161,677	41.5	343,791	14.2	97,399	24.3
Married	2,266,455	58.2	1,386,162	49.6	1,725,910	70.5	240,697	60.1
Widowed	393,730	10.1	227,783	8.1	359,043	14.7	57,591	14.4
Divorced	35,050	.9	14,914	.5	10,827	.4	3,789	.9
Unknown	6,376	.2	5,755	.2	3,507	.1	936	.2
EAST NORTH CENTRAL								
Males	4,858,107	100.0	2,383,135	100.0	1,728,381	100.0	364,330	100.0
Single	1,669,740	34.4	932,333	39.1	361,224	20.9	113,390	31.1
Married	2,910,577	59.9	1,332,631	55.9	1,221,539	70.7	219,023	60.1
Widowed	199,330	4.1	89,040	3.7	122,644	7.1	23,148	6.4
Divorced	70,270	1.4	26,711	1.1	20,872	1.2	8,162	2.2
Unknown	8,190	.2	2,470	.1	2,102	.1	602	.2
Females	4,728,486	100.0	2,454,268	100.0	1,420,900	100.0	340,447	100.0
Single	1,281,996	27.1	757,063	30.8	145,121	10.2	59,052	17.3
Married	2,948,308	62.4	1,442,228	58.8	1,019,746	71.8	217,399	63.9
Widowed	417,354	8.8	222,679	9.1	238,155	16.8	54,214	15.9
Divorced	75,944	1.6	30,470	1.2	16,206	1.1	9,422	2.8
Unknown	4,884	.1	1,826	.1	1,072	.1	360	.1
WEST NORTH CENTRAL								
Males	2,761,875	100.0	1,336,051	100.0	526,144	100.0	128,593	100.0
Single	1,015,201	36.8	494,862	37.0	111,123	19.0	39,330	30.6
Married	1,595,532	57.8	780,329	58.4	409,025	69.8	74,902	58.3
Widowed	109,366	4.0	47,036	3.5	59,429	10.1	10,487	8.2
Divorced	36,170	1.3	12,385	.9	5,818	1.0	3,422	2.7
Unknown	5,406	.2	1,439	.1	749	.1	362	.3
Females	2,690,749	100.0	1,330,897	100.0	463,242	100.0	125,126	100.0
Single	777,228	28.9	382,575	28.7	37,491	8.1	23,852	19.1
Married	1,640,132	61.0	820,665	61.7	314,718	67.9	74,619	59.6
Widowed	231,303	8.6	112,479	8.5	106,585	23.0	22,971	18.4
Divorced	39,702	1.5	14,276	1.1	4,111	.9	3,524	2.8
Unknown	2,384	.1	902	.1	337	.1	160	.1

No. 23.—Marital Condition of Persons 15 Years of Age and Over, by Major Classes and Sex: By Geographic Divisions, 1930—Continued

Division and marital condition	Native white				Foreign-born white		Negro	
	Native parentage		Foreign or mixed parentage					
	Number	Per cent	Number	Per cent	Number	Per cent	Number	Per cent
SOUTH ATLANTIC								
Males	3,492,961	100.0	220,984	100.0	167,280	100.0	1,368,324	100.0
Single	1,154,040	33.9	88,193	39.9	37,433	22.4	474,492	34.7
Married	2,089,160	61.4	120,779	54.7	117,235	70.1	798,453	58.4
Widowed	131,214	3.9	9,687	4.4	10,693	6.4	81,096	5.9
Divorced	22,184	.7	1,957	.9	1,469	.9	10,689	.8
Unknown	6,363	.2	368	.2	450	.3	3,594	.3
Females	3,411,646	100.0	232,881	100.0	131,024	100.0	1,465,712	100.0
Single	927,315	27.2	75,654	32.5	15,936	12.2	393,603	26.9
Married	2,105,098	61.7	125,479	53.9	91,596	69.9	819,932	55.9
Widowed	344,477	10.1	28,729	12.3	22,204	16.9	230,957	15.8
Divorced	30,875	.9	2,537	1.1	1,013	.8	18,993	1.3
Unknown	3,881	.1	432	.2	275	.2	2,227	.2
EAST SOUTH CENTRAL								
Males	2,260,640	100.0	77,336	100.0	32,928	100.0	851,386	100.0
Single	717,825	31.9	22,904	29.4	6,110	18.6	257,791	30.3
Married	1,421,503	63.2	49,478	63.6	23,460	71.2	521,025	61.2
Widowed	91,485	4.1	4,511	5.8	2,976	9.0	57,004	6.7
Divorced	16,866	.7	894	1.1	350	1.1	13,004	1.5
Unknown	3,101	.1	49	.1	32	.1	2,452	.3
Females	2,234,561	100.0	86,542	100.0	23,922	100.0	907,370	100.0
Single	558,588	25.0	23,896	27.6	2,809	12.0	201,964	22.3
Married	1,428,325	63.9	47,108	54.4	15,321	64.0	520,453	58.4
Widowed	222,198	9.9	14,431	16.7	5,538	23.2	150,767	16.6
Divorced	22,973	1.0	1,040	1.2	178	.7	23,854	2.6
Unknown	2,477	.1	67	.1	16	.1	1,332	.1
WEST SOUTH CENTRAL								
Males	2,809,834	100.0	238,630	100.0	96,289	100.0	752,705	100.0
Single	915,018	32.6	74,161	31.1	17,840	18.5	221,791	29.5
Married	1,748,375	62.2	150,708	63.2	68,318	71.0	462,777	61.5
Widowed	111,806	4.0	10,526	4.4	8,700	9.0	51,524	6.8
Divorced	31,608	1.1	3,045	1.3	1,279	1.3	15,075	2.1
Unknown	3,027	.1	190	.1	152	.2	938	.1
Females	2,683,058	100.0	233,968	100.0	71,899	100.0	780,158	100.0
Single	627,914	23.4	57,766	24.7	8,294	11.5	161,325	20.7
Married	1,764,546	65.8	143,760	61.4	46,660	64.9	469,499	60.2
Widowed	250,769	9.3	29,151	12.5	16,051	22.3	122,187	15.7
Divorced	38,002	1.4	3,117	1.3	779	1.1	26,229	3.4
Unknown	1,822	.1	174	.1	115	.2	918	.1
MOUNTAIN								
Males	770,598	100.0	281,342	100.0	167,903	100.0	13,217	100.0
Single	284,191	36.9	105,280	37.4	47,601	28.4	4,831	36.6
Married	439,369	57.0	159,881	56.8	103,884	61.9	6,918	52.3
Widowed	31,414	4.1	10,793	3.8	12,803	7.6	952	7.2
Divorced	14,331	1.9	5,036	1.8	3,300	2.0	480	3.6
Unknown	1,293	.2	352	.1	315	.2	36	.3
Females	687,867	100.0	262,526	100.0	115,817	100.0	10,748	100.0
Single	174,986	25.4	66,913	25.5	9,493	8.2	1,653	15.4
Married	443,197	64.4	167,730	63.9	81,033	70.0	6,640	61.8
Widowed	56,566	8.2	23,412	8.9	23,623	20.4	2,024	18.8
Divorced	12,521	1.8	4,282	1.6	1,545	1.3	418	3.9
Unknown	597	.1	189	.1	123	.1	13	.1
PACIFIC								
Males	1,647,280	100.0	725,583	100.0	642,865	100.0	35,952	100.0
Single	560,198	34.0	283,175	39.0	191,431	29.8	11,382	31.7
Married	963,622	58.5	395,004	54.4	393,259	61.2	20,608	57.3
Widowed	68,301	4.1	26,574	3.7	41,042	6.5	2,343	6.5
Divorced	47,749	2.9	19,101	2.6	14,549	2.3	1,388	3.9
Unknown	7,410	.4	1,669	.2	1,984	.3	231	.6
Females	1,597,487	100.0	752,385	100.0	485,340	100.0	35,812	100.0
Single	363,391	23.2	205,419	27.3	59,945	12.4	6,240	17.4
Married	968,880	61.8	445,775	59.2	327,503	67.5	20,848	58.2
Widowed	177,077	11.3	78,019	10.4	85,896	17.7	6,696	18.7
Divorced	53,848	3.4	22,176	2.9	11,247	2.3	1,942	5.4
Unknown	3,691	.2	996	.1	749	.2	86	.2

Source: Bureau of the Census, Department of Commerce.

No. 24.—MARITAL CONDITION OF WHITE AND NEGRO PERSONS 15 YEARS OF AGE AND OVER: FOR EACH GEOGRAPHIC DIVISION AND FOR EACH STATE HAVING A NEGRO POPULATION OF OVER 5 PER CENT OF THE TOTAL, 1930

NOTE.—The small number unknown is not shown separately but included in the total. The number divorced is considered to be understated. For marital condition of white and negro population in the United States as a whole, see Table 22

Division and State	Male					Female				
	Total	Single	Married	Widowed	Divorced	Total	Single	Married	Widowed	Divorced
WHITE										
New England	2,863,224	1,010,226	1,680,486	143,918	24,087	3,009,762	963,306	1,677,903	335,520	29,991
Middle Atlantic	9,164,256	3,264,400	5,429,098	401,326	43,042	9,141,659	2,706,147	5,378,527	980,556	60,791
New Jersey	1,398,653	486,278	845,385	58,375	6,695	1,392,396	397,930	837,027	147,109	9,001
East North Central	8,969,673	2,963,297	5,464,747	411,014	117,853	8,603,052	2,184,180	5,410,282	878,188	122,620
West North Central	4,683,870	1,821,188	2,784,886	215,331	54,373	4,484,838	1,197,294	2,775,515	450,367	58,039
Missouri	1,241,501	387,592	773,774	60,926	16,706	1,241,304	306,057	773,104	141,908	19,175
South Atlantic	3,791,205	1,279,666	2,327,174	151,594	25,610	3,775,501	1,018,905	2,322,173	395,410	34,425
Delaware	76,331	25,553	46,187	3,830	565	74,172	19,178	45,914	8,393	649
Maryland	488,227	167,651	292,553	22,461	4,086	488,410	134,643	291,613	55,877	4,847
Dist. of Columbia	133,637	47,410	78,987	5,393	1,463	150,135	47,612	79,406	20,204	2,462
Virginia	597,277	209,380	358,941	23,292	3,787	589,530	165,202	358,453	60,185	4,930
West Virginia	531,993	179,413	327,048	20,589	4,546	496,740	125,881	322,688	42,823	5,056
North Carolina	697,734	235,780	434,341	24,389	2,373	706,923	201,622	435,691	65,136	3,893
South Carolina	298,066	103,730	182,456	10,905	780	301,484	85,817	183,123	31,275	1,085
Georgia	602,569	201,302	373,364	23,654	3,553	606,776	160,764	372,165	67,694	5,740
Florida	365,381	100,447	233,297	17,081	4,448	361,331	78,186	233,120	43,823	5,763
East South Central	2,361,604	748,839	1,494,441	98,972	18,110	2,345,025	585,353	1,490,754	242,187	24,191
Kentucky	786,932	243,428	499,065	36,329	7,283	772,847	187,091	496,766	80,000	8,404
Tennessee	702,976	220,843	445,401	29,805	5,359	709,915	179,556	445,179	75,587	8,101
Alabama	544,936	175,834	344,968	20,396	3,395	541,525	136,813	344,427	54,938	5,015
Mississippi	326,760	106,734	205,007	12,442	2,073	320,738	81,893	204,382	31,636	2,671
West South Central	3,144,753	1,007,019	1,987,401	131,032	35,932	2,888,920	633,974	1,954,936	295,971	41,898
Arkansas	455,093	140,638	288,615	21,401	4,049	432,746	96,136	287,306	44,288	4,674
Louisiana	440,950	152,416	267,308	17,505	3,246	436,516	118,544	266,355	46,920	4,255
Oklahoma	733,919	225,059	466,040	31,548	10,551	678,906	143,643	462,075	61,085	11,706
Texas	1,514,791	488,906	945,438	60,578	18,086	1,440,752	335,651	939,140	143,678	21,263
Mountain	1,219,843	437,065	703,134	55,010	22,667	1,066,210	251,392	691,960	103,601	18,348
Pacific	3,015,728	1,034,804	1,751,945	136,517	61,399	2,805,212	628,755	1,742,158	341,592	87,271
NEGRO										
New England	33,762	12,134	19,140	1,931	474	33,772	8,718	19,057	5,256	697
Middle Atlantic	393,213	135,809	234,880	19,020	2,419	400,412	97,399	240,697	57,591	3,789
New Jersey	75,094	24,628	45,928	3,994	432	77,522	18,041	47,247	11,452	674
East North Central	364,330	113,390	219,028	23,148	8,162	340,447	59,052	217,399	54,214	9,422
West North Central	128,593	39,330	74,992	10,487	3,422	125,126	23,852	74,619	22,971	3,524
Missouri	86,100	26,201	50,784	7,221	1,698	86,046	16,788	50,988	16,176	1,976
South Atlantic	1,368,324	474,492	798,453	81,096	10,689	1,465,712	393,603	819,932	230,957	18,993
Delaware	12,486	4,971	6,485	880	96	11,097	3,024	6,424	1,544	82
Maryland	99,951	37,113	55,258	6,376	782	94,231	24,295	55,009	13,466	1,006
Dist. of Columbia	47,443	15,925	28,212	2,714	342	54,297	14,058	29,942	9,556	530
Virginia	204,713	75,076	114,672	12,630	2,008	210,823	59,134	116,842	31,848	2,834
West Virginia	43,429	15,492	24,969	2,302	636	36,048	7,602	23,338	4,045	544
North Carolina	266,001	98,885	152,237	13,023	1,418	290,045	90,894	157,643	38,356	2,773
South Carolina	218,367	76,557	130,007	10,999	629	251,595	74,892	135,531	39,385	1,579
Georgia	324,068	103,281	196,041	21,538	2,786	305,622	90,080	201,168	67,516	6,630
Florida	151,867	47,192	90,572	10,634	1,092	151,954	29,624	93,535	25,241	3,115
East South Central	851,366	257,791	521,025	57,094	13,004	907,370	201,964	529,453	150,787	23,854
Kentucky	83,165	26,864	47,225	7,242	1,722	82,174	17,585	47,137	15,349	2,007
Tennessee	161,503	49,752	96,330	11,862	2,903	173,319	38,962	98,188	30,642	4,924
Alabama	290,079	91,027	176,191	18,544	3,912	320,277	77,161	179,650	55,127	8,000
Mississippi	316,619	90,148	201,279	19,446	4,467	331,600	68,256	204,478	49,649	8,923
West South Central	752,705	221,791	462,777	51,524	15,675	780,153	161,325	469,499	122,187	26,229
Arkansas	158,239	42,866	100,470	11,773	3,002	162,123	30,171	101,199	25,927	4,743
Louisiana	248,678	76,739	153,916	14,833	2,855	264,780	59,127	157,360	42,049	5,871
Oklahoma	59,193	17,969	34,965	4,637	1,506	57,580	11,879	35,096	8,553	1,972
Texas	286,595	84,217	173,426	20,281	8,312	295,670	60,148	175,844	45,658	13,643
Mountain	13,217	4,831	6,918	952	480	10,748	1,653	6,640	2,024	418
Pacific	35,962	11,382	20,608	2,343	1,388	35,812	6,240	20,848	6,696	1,942

Source: Bureau of the Census, Department of Commerce.

No. 25.—MARITAL CONDITION OF PERSONS

NOTE.—The number divorced

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	14,963,712	26,327,109	2,025,036	489,478	85,686	34.1	60.0	4.6
New England	2,601,430	1,024,340	1,701,884	146,012	24,588	4,606	35.3	58.7	5.0
Maine	285,114	90,569	172,525	17,444	4,102	474	31.8	60.5	6.1
New Hampshire	163,465	54,409	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	545,500	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	292	35.4	58.8	4.8
Connecticut	576,789	204,909	340,877	25,678	3,482	753	35.6	59.2	4.5
Middle Atlantic	9,680,982	3,413,672	5,673,131	421,004	80,541	22,634	35.6	59.2	4.4
New York	4,714,608	1,718,371	2,761,908	197,157	22,117	15,055	36.4	58.6	4.2
New Jersey	1,476,159	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	5,536	34.9	59.6	4.8
East North Central	9,378,073	3,100,337	5,701,796	435,523	126,309	13,608	33.1	60.8	4.6
Ohio	2,436,685	769,282	1,514,131	117,101	33,696	2,385	31.6	62.1	4.8
Indiana	1,185,634	351,910	750,884	62,775	18,076	1,839	29.7	63.3	5.3
Illinois	2,869,347	985,343	1,715,040	127,762	35,562	5,040	34.3	59.8	4.5
Michigan	1,806,530	601,745	1,095,563	78,849	28,161	2,212	33.3	60.6	4.4
Wisconsin	1,079,977	392,557	625,578	48,946	10,814	2,082	36.3	57.9	4.5
West North Central	4,844,547	1,673,552	2,876,764	227,980	58,184	8,067	34.5	59.4	4.7
Minnesota	939,795	367,844	520,870	41,981	8,135	965	39.1	55.4	4.5
Iowa	899,826	298,856	545,117	43,180	11,758	915	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	249,409	97,108	138,870	10,447	2,314	610	39.0	55.7	4.2
Nebraska	498,502	172,548	297,725	21,694	5,645	890	34.6	59.7	4.4
Kansas	685,114	217,666	422,595	33,161	10,279	1,473	31.8	61.7	4.8
South Atlantic	5,167,443	1,757,614	3,120,689	233,004	36,336	10,798	34.0	60.6	4.5
Delaware	88,886	30,568	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	59.1	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	428	33.9	61.2	4.0
North Carolina	968,308	336,359	589,236	37,605	3,815	1,293	34.7	60.9	3.9
South Carolina	516,766	180,416	312,653	21,918	1,418	361	34.9	60.5	4.2
Georgia	928,871	304,704	569,512	45,205	6,341	1,109	32.9	61.4	4.9
Florida	517,783	156,884	324,121	27,750	6,442	2,586	30.3	62.6	5.4
East South Central	3,214,755	1,005,370	2,016,400	156,157	31,127	5,701	31.3	62.7	4.8
Kentucky	870,198	270,339	546,342	43,573	9,005	939	31.1	62.8	5.0
Tennessee	864,634	270,671	541,796	41,673	8,260	2,225	31.3	62.7	4.8
Alabama	835,246	260,977	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	2,565,026	195,548	53,534	4,768	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	422,503	32,460	6,121	814	33.3	61.0	4.7
Oklahoma	823,058	254,549	517,512	37,583	12,548	866	30.9	62.9	4.6
Texas	2,015,112	656,743	1,235,686	92,306	27,808	2,569	32.6	61.3	4.6
Mountain	1,354,047	489,101	775,861	63,515	24,269	2,301	36.1	57.3	4.6
Montana	211,910	86,283	111,496	9,397	4,333	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	89,966	35,726	48,671	3,715	1,611	243	39.7	54.1	4.1
Colorado	379,166	125,015	227,494	18,895	6,938	823	33.0	60.0	5.0
New Mexico	141,079	47,817	83,537	7,938	1,678	109	33.9	59.2	5.6
Arizona	158,621	57,232	90,370	7,785	2,957	277	36.1	57.0	4.9
Utah	168,237	59,334	100,785	5,842	2,153	123	35.3	59.9	3.6
Nevada	41,915	18,305	20,053	1,953	1,574	30	43.7	47.8	4.7
Pacific	8,295,609	1,163,965	1,886,568	147,295	84,588	13,203	35.3	57.2	4.5
Washington	628,346	224,798	357,702	28,951	14,876	2,019	35.8	56.9	4.6
Oregon	381,529	130,768	221,806	18,332	10,126	497	34.3	58.1	4.8
California	2,285,734	808,399	1,307,050	100,012	59,586	10,687	35.4	57.2	4.4

Source: Bureau of the Census, Department of Commerce.

15 YEARS OF AGE AND OVER: BY STATES, 1930

is considered to be understated

Females 15 years of age and over									Division and State
Number						Per cent of total			
Total	Single	Married	Widowed	Divorced	Unknown	Single	Married	Widowed	
42,837,149	11,306,053	26,170,756	4,734,207	573,148	52,385	26.4	61.1	11.1	U. S.
3,044,692	972,313	1,697,691	340,898	30,705	3,085	31.9	55.8	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.
1,020,410	551,892	369,725	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	181,923	338,724	60,151	4,302	539	31.1	57.8	10.3	Conn.
9,547,467	2,804,329	5,622,781	1,038,636	64,634	16,587	29.4	58.9	10.9	M. A.
4,721,139	1,417,657	2,738,973	522,983	30,596	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.
3,356,081	971,131	1,999,302	357,068	24,360	4,220	28.9	59.6	10.6	Pa.
8,961,167	2,246,305	5,640,326	934,140	132,226	8,170	25.1	62.9	10.4	E. N. C.
2,384,808	594,443	1,496,574	255,108	37,165	1,518	24.9	62.8	10.7	Ohio
1,155,964	262,586	744,990	128,917	18,458	1,013	22.7	64.4	11.2	Ind.
2,780,510	735,489	1,701,891	299,551	40,186	3,393	26.5	61.2	10.8	Ill.
1,629,915	373,677	1,075,586	154,241	25,250	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.
4,632,669	1,225,894	2,865,534	475,523	61,908	3,810	26.5	61.9	10.3	W. N. C.
882,618	270,487	519,131	83,104	9,283	613	30.6	58.8	9.4	Minn.
872,053	226,333	543,432	89,464	12,224	600	26.0	62.3	10.3	Iowa
1,328,759	323,109	825,087	158,222	21,162	1,179	24.3	62.1	11.9	Mo.
205,764	65,124	124,632	14,202	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.
471,208	123,988	296,670	44,089	6,072	479	26.3	62.9	9.4	Nebr.
653,414	155,766	418,552	68,989	9,672	435	23.8	64.1	10.6	Kans.
5,246,825	1,414,211	3,145,495	626,831	53,461	6,827	27.0	60.0	11.9	S. A.
85,276	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	61,709	109,427	29,766	2,992	662	30.2	53.5	14.6	D. C.
800,589	224,421	475,428	92,050	7,765	925	28.0	59.4	11.5	Va.
532,849	133,496	346,568	46,874	5,600	311	25.1	65.0	8.8	W. Va.
1,001,408	293,855	596,027	103,850	6,704	972	29.3	59.5	10.4	N. C.
553,305	160,775	318,837	70,694	2,667	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	69,095	8,878	878	21.0	63.6	13.5	Fla.
3,253,427	787,562	2,020,880	383,040	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	2,095	24.7	61.5	12.0	Tenn.
861,967	214,039	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.
3,996,245	917,077	2,558,815	445,917	71,142	3,294	22.9	64.0	11.2	W. S. C.
595,127	126,357	383,783	70,231	9,421	335	21.2	65.3	11.8	Ark.
703,077	178,203	424,774	89,141	10,142	817	25.3	60.4	12.7	La.
794,569	162,964	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	274,065	761,361	116,611	19,968	1,013	23.4	64.9	9.9	Mt.
166,045	40,253	108,514	14,503	2,659	116	24.2	65.4	8.7	Mont.
130,154	31,359	91,745	10,927	1,995	128	23.0	67.4	8.0	Idaho
67,257	14,139	46,831	5,155	1,057	75	21.0	69.6	7.7	Wyo.
357,236	83,456	226,078	40,337	7,013	352	23.4	63.3	11.3	Colo.
126,945	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.
158,726	41,308	99,613	15,338	2,357	110	26.0	62.8	9.7	Utah
27,108	5,109	18,232	2,849	911	7	18.8	67.3	10.5	Nev.
2,981,639	664,397	1,857,873	362,611	91,051	5,707	22.3	62.3	12.2	Pac.
545,790	122,094	352,406	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. 26.—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 37. 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 [1]		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 [2]	4,931,905	6.0	1,109,875	2.6	132,697	0.8	1,763,740	13.1	1,842,161	22.9
10 to 20 years	598,794	2.7	171,564	1.3	30,339	.6	56,595	5.7	329,174	13.0
21 years and over	4,333,111	7.1	938,311	3.0	102,358	.9	1,707,145	13.7	1,512,987	27.4
Urban, total	1,955,112	4.4	155,493	.8	55,620	.5	1,327,520	13.0	402,170	13.4
Rural, total	2,976,793	7.7	954,382	3.8	77,077	1.4	436,220	13.3	1,439,991	28.5
United States, 1930	4,283,753	4.3	966,469	1.8	116,685	.6	1,304,094	9.9	1,513,892	16.3
Males	2,198,293	4.4	577,312	2.1	62,736	.6	573,977	8.1	801,949	17.6
Females	2,085,460	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	131,151	.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	1,800,804	3.2	163,227	.6	60,389	.4	1,058,845	10.0	395,849	9.2
10 to 20 years	65,863	.5	17,056	.2	9,661	.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	2,483,149	6.0	803,242	3.0	56,296	1.0	245,239	9.4	1,116,043	22.4
10 to 20 years	354,675	2.8	114,095	1.3	7,354	.5	1,257	1.5	184,686	10.3
21 years and over	2,128,474	7.3	709,147	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	210,046	11.6	4,187	5.5
10 to 20 years	5,450	.3	1,934	.3	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	.3	9,998	.5	179,423	11.0	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	757,228	3.5	52,050	.6	80,693	.5	636,479	12.2	32,223	3.7
10 to 20 years	19,062	.4	6,564	.3	6,715	.3	4,307	1.8	1,275	.7
21 years and over	738,166	4.5	45,486	.7	23,978	.6	632,172	12.7	30,948	4.4
Urban, total	621,503	3.7	23,135	.4	21,245	.4	546,551	11.9	25,644	3.3
Rural, total	135,635	2.9	28,915	1.0	9,448	1.0	89,928	15.0	6,579	7.3
East North Central	442,064	2.1	76,697	.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	428,457	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	14,882	.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	156,033	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	5,182	.4	28,156	5.6	12,936	5.9
Rural, total	92,975	1.5	40,922	1.1	10,380	.6	23,826	4.3	8,234	14.1
South Atlantic	1,012,523	8.3	310,381	3.9	4,202	.8	31,328	10.4	662,055	19.7
10 to 20 years	153,182	4.1	41,905	1.7	483	.3	180	1.5	109,534	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	271,791	5.3	1,974	1.5	9,724	12.1	504,138	23.2
East South Central	727,861	9.6	208,052	5.1	2,078	1.2	4,228	7.4	452,082	22.0
10 to 20 years	98,970	4.2	38,826	2.3	137	.5	18	1.1	59,563	9.2
21 years and over	628,891	12.0	229,226	6.3	1,941	1.3	4,220	7.8	392,519	28.0
Urban, total	121,549	5.4	24,955	1.7	746	.6	2,721	6.6	93,019	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	172,286	2.7	10,181	2.0	15,958	9.4	302,230	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	267,218	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	231,552	20.0
Mountain	120,866	4.2	26,790	1.5	2,316	.4	15,962	5.8	1,070	4.1
10 to 20 years	13,492	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	322	3.4
Rural, total	98,388	5.7	22,179	2.1	1,483	.5	9,440	6.2	448	5.8
Pacific	146,082	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	2,320	.2	33,727	4.1	1,690	2.5
Rural, total	66,792	3.1	6,179	.5	2,671	.6	22,719	7.0	681	6.9

[1] Includes Indians, Chinese, Japanese, and other nonwhite not shown separately.
[2] Figures for white population in 1920 include persons of the Mexican race which were given a separate classification in 1930.

Source: Bureau of the Census, Department of Commerce.

No. 27.—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 [1]			Native white	Foreign-born white	Negro	Male	Female
	Total	Male	Female					
Continental United States	4,283,753	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	30,129	210,046	4,187	107,189	132,621
Maine	17,172	10,294	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	3,805	2,494	3,261	3,005	22	3,635	2,378
Massachusetts	124,158	52,936	71,222	9,652	111,568	2,303	51,766	70,159
Rhode Island	27,536	12,027	15,509	2,732	24,124	635	11,742	15,247
Connecticut	59,874	25,834	34,040	3,501	55,136	1,157	25,310	33,553
Middle Atlantic	757,228	337,079	420,149	32,743	636,479	32,223	327,351	410,815
New York	388,883	165,262	223,621	34,654	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	110,851	123,203
East North Central	442,064	228,325	213,739	110,284	281,645	36,454	215,661	212,736
Ohio	123,804	63,489	60,315	32,387	74,131	16,213	61,239	58,493
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	156,068	83,165	72,903	68,838	51,882	21,170	77,263	69,084
Minnesota	26,302	13,185	13,117	7,244	16,759	160	12,428	12,543
Iowa	15,879	8,624	7,255	8,177	5,932	777	8,008	6,782
Missouri	67,905	38,163	29,742	39,252	11,183	10,532	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	3,374
Nebraska	12,725	6,124	6,601	3,762	6,924	450	5,709	6,287
Kansas	18,680	10,028	8,652	7,001	4,113	8,228	9,326	8,163
South Atlantic	1,012,523	555,456	457,067	314,583	31,328	662,055	455,746	403,595
Delaware	7,805	4,160	3,645	1,896	2,392	3,496	3,984	3,536
Maryland	49,910	26,987	22,923	13,202	11,539	25,073	25,105	21,807
Dist. of Columbia	6,611	2,827	3,784	533	1,411	4,501	2,741	3,715
Virginia	162,588	93,666	68,922	65,482	1,738	95,148	78,805	61,645
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	450	139,105	107,944	94,279
South Carolina	192,878	99,523	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	452,092	342,070	286,821
Kentucky	131,545	77,834	53,711	101,695	1,267	28,553	66,858	48,047
Tennessee	145,460	84,489	60,971	87,406	754	57,251	71,039	54,985
Alabama	251,095	133,645	117,450	60,959	1,335	188,673	110,565	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	182,467	15,958	302,280	293,650	280,982
Arkansas	96,818	53,666	43,152	35,890	666	60,102	45,541	38,656
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	18,946
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	18,733	530	140	15,739	20,567
Arizona	33,969	16,309	17,660	990	551	366	13,994	14,998
Utah	4,640	2,642	1,998	952	1,547	30	2,390	1,765
Nevada	3,330	1,968	1,362	130	909	7	1,891	1,300
Pacific	146,082	75,525	70,557	14,914	56,446	2,371	72,364	67,853
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	49	4,170	3,201
California	124,810	64,059	60,751	9,840	45,600	2,148	61,667	58,545

[1] The total includes 362,643 illiterate persons among the Mexicans, Indians, Chinese, Japanese, and other nonwhite population.

Source: Bureau of the Census, Department of Commerce.

No. 28.—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			
	1920	1930	1930	1930	1920	1930	1920	1930	1920	1930	Male	Female
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	6.9	4.8	3.9	2.7
New Hampshire	4.4	2.7	2.8	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	6.5	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	14.6	6.2	4.0	5.2	6.8
Middle Atlantic	4.9	3.5	3.1	3.9	.6	.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	8.8	7.3	4.7	2.7	2.8
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	1.8
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	8.1	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	1.8	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	1.6
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	5.6	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	9.1	7.4	27.9	22.0	13.1	11.0
Kentucky	8.4	6.0	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	8.3	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	4.6	2.0	1.2	12.7	5.6	5.3	4.1	4.5	5.3
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	15.0	13.3	11.2	15.7	11.6	7.7	27.1	6.8	4.3	6.0	13.6	20.3
Arizona	15.3	10.1	9.0	11.4	2.1	.5	27.5	3.6	4.6	4.0	10.4	13.7
Utah	1.9	1.2	1.3	1.1	.3	.3	6.3	3.6	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	4.6	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	5.1	3.6	4.7	2.5	1.3	1.1
California	3.3	2.6	2.6	2.6	.4	.3	10.5	5.7	4.7	3.1	3.0	3.2

Source: Bureau of the Census, Department of Commerce.

No. 29.—DWELLINGS, FAMILIES, AND TENURE OF HOMES: BY STATES, 1920[1]

NOTE.—A dwelling is a place in which one or more persons regularly sleep. A hotel, a boarding house, an institution, or an apartment house, though containing many families, constitutes but one dwelling, while a boat, tent, room in a factory, store, etc., although occupied by only one person, is also counted as a dwelling. A family signifies a group of persons, whether related by blood or not, who live in one household, usually sharing the same table. One person alone is a family, while occupants and employees of a hotel, if that is the usual place of abode, and all the inmates of an institution are treated as a single family

Division and State	Total dwellings	Total families	Families having homes—				Tenure unknown
			Rented	Owned			
				Free	Mortgaged	Unknown	
Continental United States:							
1910	17,805,845	20,255,555	10,697,895	5,984,284	2,931,695	167,732	473,949
1920	20,697,204	24,351,676	12,943,598	6,522,119	4,059,593	285,248	541,118
New England	1,255,964	1,703,812	1,010,586	335,763	322,064	10,507	24,902
Maine	162,304	186,106	73,860	80,540	25,979	2,310	3,417
New Hampshire	92,184	108,334	53,159	36,195	15,193	1,390	2,397
Vermont	77,158	85,804	35,706	29,029	18,571	770	1,728
Massachusetts	597,052	874,798	564,097	126,312	171,741	3,192	9,456
Rhode Island	98,861	137,160	92,800	19,889	21,352	680	2,439
Connecticut	228,405	311,610	190,964	43,788	69,228	2,165	5,465
Middle Atlantic	3,586,549	5,085,080	3,144,533	934,703	892,787	36,633	76,424
New York	1,325,114	2,441,125	1,670,088	342,452	381,776	14,510	32,299
New Jersey	515,211	721,841	438,911	101,598	165,844	4,472	11,016
Pennsylvania	1,726,224	1,922,114	1,035,534	490,653	345,167	17,651	33,109
East North Central	4,385,541	5,143,913	2,407,639	1,510,174	1,069,927	63,951	92,222
Ohio	1,216,542	1,414,068	673,858	432,804	271,872	14,421	21,113
Indiana	696,466	737,707	326,192	243,851	139,796	11,755	16,113
Illinois	1,190,414	1,534,077	846,071	370,221	268,446	19,593	29,746
Michigan	755,931	862,745	349,054	268,287	220,467	10,717	14,220
Wisconsin	526,188	595,316	212,464	195,011	169,346	7,465	11,030
West North Central	2,716,968	2,957,849	1,257,816	952,049	631,238	43,464	73,262
Minnesota	469,652	526,026	202,222	181,253	123,786	7,328	11,437
Iowa	559,188	586,070	239,880	205,115	119,289	8,163	13,623
Missouri	717,256	829,043	409,068	229,129	163,824	8,714	18,308
North Dakota	129,905	134,881	45,050	37,268	43,375	4,261	4,927
South Dakota	136,512	142,703	53,099	46,438	34,621	3,653	4,982
Nebraska	288,390	303,436	125,713	99,715	63,973	5,410	8,625
Kansas	416,065	435,600	182,784	153,131	82,370	5,955	11,360
South Atlantic	2,781,684	2,991,628	1,684,936	896,122	281,864	43,228	85,478
Delaware	47,868	52,070	28,287	12,358	9,672	709	954
Maryland	288,261	324,742	160,219	94,695	60,857	3,710	5,261
District of Columbia	72,175	96,194	65,654	12,354	15,375	774	2,037
Virginia	450,229	483,363	231,563	187,547	48,614	5,901	9,738
West Virginia	293,002	310,098	160,528	109,732	26,477	5,153	8,208
North Carolina	495,269	513,377	261,303	186,460	38,498	10,884	16,232
South Carolina	330,500	349,126	227,657	80,911	21,977	5,291	13,290
Georgia	586,509	628,525	421,047	141,899	39,546	6,740	19,293
Florida	217,871	234,133	128,678	70,166	20,848	3,976	10,465
East South Central	1,867,167	1,977,381	1,101,352	617,367	181,669	24,035	52,993
Kentucky	510,981	546,306	258,643	209,239	59,845	6,908	11,670
Tennessee	488,392	519,108	264,982	186,199	50,056	6,620	12,251
Alabama	480,392	508,769	319,756	124,456	41,445	6,462	16,650
Mississippi	387,402	403,198	257,971	97,473	30,322	5,105	12,327
West South Central	2,110,879	2,242,810	1,252,703	613,789	262,404	37,185	76,729
Arkansas	375,316	390,960	208,491	119,279	46,727	5,247	11,216
Louisiana	370,377	389,913	248,802	94,420	24,515	7,475	14,701
Oklahoma	413,557	444,524	231,813	109,001	74,586	10,253	18,871
Texas	946,629	1,017,413	563,597	291,089	116,576	14,210	31,941
Mountain	743,775	803,853	349,755	269,907	149,458	11,674	23,059
Montana	130,670	139,912	53,362	43,776	35,559	2,505	4,710
Idaho	95,299	100,500	38,013	30,974	26,957	1,277	3,279
Wyoming	44,710	48,476	22,271	14,167	8,579	1,314	2,145
Colorado	211,103	230,843	109,501	71,155	43,244	2,382	4,561
New Mexico	78,024	83,706	32,907	38,593	8,208	1,351	2,647
Arizona	73,673	80,208	44,163	24,605	7,797	673	2,970
Utah	80,587	98,346	38,598	38,842	17,582	1,561	1,763
Nevada	20,709	21,862	10,940	7,795	1,532	611	984
Pacific	1,268,677	1,445,350	734,278	392,255	268,182	14,491	36,144
Washington	304,735	342,228	151,513	106,729	72,655	3,938	7,393
Oregon	185,081	202,890	89,588	66,491	40,054	2,227	4,530
California	778,861	900,232	493,177	219,035	155,473	8,326	24,221

[1] Data for 1930 are not yet available.

Source: Bureau of the Census, Department of Commerce.

No. 30.—DWELLINGS AND FAMILIES: AVERAGE NUMBER OF PERSONS PER DWELLING AND PER FAMILY AND PERCENTAGE DISTRIBUTION OF FAMILIES ACCORDING TO TENURE OF HOME, BY STATES

NOTE.—*In computing the percentages the homes reported as of unknown proprietorship and encumbrance have been distributed in the same proportion as the known. Data for 1930 not yet available*

Division or State	Average persons per dwelling		Average persons per family		Per cent of total number of families (1920) having homes—				Per cent of owned homes, 1920	
	1910	1920	1910	1920	Rented	Owned	Owned free	Owned encumbered	Free	Encumbered
Continental United States	5.2	5.1	4.5	4.3	54.4	45.6	28.2	17.5	61.7	38.3
New England	6.0	5.9	4.5	4.3	60.2	39.8	20.4	19.5	51.1	48.9
Maine	4.7	4.7	4.2	4.1	40.4	59.6	45.0	14.5	75.6	24.4
New Hampshire	4.8	4.8	4.2	4.1	50.2	49.8	35.1	14.7	70.4	29.6
Vermont	4.6	4.6	4.2	4.1	42.5	57.5	35.1	22.4	61.0	39.0
Massachusetts	6.6	6.5	4.6	4.4	65.2	34.8	14.8	20.1	42.4	57.6
Rhode Island	6.8	6.1	4.6	4.4	68.9	31.1	15.0	16.1	48.2	51.8
Connecticut	6.1	6.0	4.5	4.4	62.4	37.6	14.6	23.0	38.7	61.3
Middle Atlantic	6.2	6.2	4.6	4.4	62.8	37.2	19.0	18.2	51.2	48.8
New York	7.7	7.8	4.5	4.3	69.3	30.7	14.5	16.2	47.3	52.7
New Jersey	6.2	6.1	4.5	4.4	61.7	38.3	14.5	23.7	38.0	62.0
Pennsylvania	5.1	5.1	4.7	4.5	54.8	45.2	26.5	18.7	58.7	41.3
East North Central	4.9	4.9	4.3	4.2	47.7	52.3	30.6	21.7	58.5	41.5
Ohio	4.7	4.7	4.2	4.1	48.4	51.6	31.7	19.9	61.4	38.6
Indiana	4.3	4.2	4.1	4.0	45.2	54.8	34.8	20.0	63.6	36.4
Illinois	5.6	5.4	4.5	4.2	56.2	43.8	25.4	18.4	58.0	42.0
Michigan	4.5	4.9	4.3	4.3	41.1	58.9	32.3	26.6	54.9	45.1
Wisconsin	5.0	5.0	4.7	4.4	36.4	63.6	34.1	29.6	53.5	46.5
West North Central	4.8	4.6	4.5	4.2	43.6	56.4	33.9	22.5	60.1	39.9
Minnesota	5.5	5.1	5.0	4.5	39.3	60.7	36.1	24.6	59.4	40.6
Iowa	4.5	4.3	4.3	4.1	41.9	58.1	36.7	21.4	63.2	36.8
Missouri	4.9	4.7	4.4	4.1	50.5	49.5	28.9	20.7	58.3	41.7
North Dakota	4.9	5.0	4.8	4.8	34.7	65.3	30.2	35.1	46.2	53.8
South Dakota	4.6	4.7	4.5	4.5	38.5	61.5	35.2	26.3	57.3	42.7
Nebraska	4.6	4.5	4.5	4.3	42.6	57.4	34.9	22.4	60.9	39.1
Kansas	4.4	4.3	4.3	4.1	43.1	56.9	37.0	19.9	65.0	35.0
South Atlantic	5.0	5.0	4.8	4.7	58.0	42.0	32.0	10.0	76.2	23.8
Delaware	4.7	4.7	4.5	4.3	55.3	44.7	25.1	19.6	56.1	43.9
Maryland	5.1	5.0	4.7	4.5	50.1	49.9	30.3	19.5	60.9	39.1
District of Columbia	5.7	6.1	4.6	4.5	69.7	30.3	13.5	16.8	44.6	55.4
Virginia	5.1	5.1	4.9	4.8	48.9	51.1	40.6	10.5	79.4	20.6
West Virginia	5.1	5.0	4.9	4.7	53.2	46.8	37.7	9.1	80.6	19.4
North Carolina	5.1	5.2	5.0	5.0	52.6	47.4	39.3	8.1	82.9	17.1
South Carolina	5.0	5.1	4.8	4.8	67.8	32.2	25.3	6.9	78.6	21.4
Georgia	4.9	4.9	4.7	4.6	69.1	30.9	24.2	6.7	78.2	21.8
Florida	4.5	4.4	4.4	4.1	57.5	42.5	32.7	9.7	77.1	22.9
East South Central	4.9	4.8	4.7	4.5	57.3	42.7	33.0	9.7	77.2	22.8
Kentucky	4.9	4.7	4.6	4.4	48.4	51.6	40.1	11.5	77.8	22.2
Tennessee	4.9	4.8	4.7	4.5	52.3	47.7	37.6	10.1	78.8	21.2
Alabama	4.8	4.9	4.7	4.6	65.0	35.0	26.3	8.7	75.0	25.0
Mississippi	4.8	4.6	4.7	4.4	66.0	34.0	25.9	8.1	76.3	23.7
West South Central	4.9	4.9	4.8	4.6	57.8	42.2	29.5	12.6	70.0	30.0
Arkansas	4.8	4.7	4.7	4.5	54.9	45.1	32.4	12.7	71.9	28.1
Louisiana	5.0	4.9	4.8	4.6	66.3	33.7	26.7	6.9	79.4	20.6
Oklahoma	4.8	4.8	4.7	4.5	54.5	45.5	27.0	18.5	59.4	40.6
Texas	5.0	4.9	4.9	4.6	57.2	42.8	30.6	12.2	71.4	28.6
Mountain	4.5	4.5	4.3	4.2	44.8	55.2	35.5	19.7	64.4	35.6
Montana	4.6	4.2	4.3	3.9	39.5	60.5	33.4	27.1	55.2	44.8
Idaho	4.5	4.5	4.4	4.3	39.1	60.9	32.6	28.3	53.5	46.5
Wyoming	4.7	4.3	4.5	4.0	48.1	51.9	32.4	19.6	62.3	37.7
Colorado	4.3	4.5	4.1	4.1	48.4	51.6	32.1	19.5	62.2	37.8
New Mexico	4.3	4.6	4.1	4.3	40.6	59.4	49.0	10.4	82.5	17.5
Arizona	4.5	4.5	4.3	4.2	57.2	42.8	32.5	10.3	75.9	24.1
Utah	5.1	5.0	4.8	4.6	40.0	60.0	41.3	18.7	68.8	31.2
Nevada	3.6	3.7	3.5	3.5	52.4	47.6	39.8	7.8	83.6	16.4
Pacific	4.7	4.7	4.3	3.9	52.1	47.9	28.4	19.4	59.4	40.6
Washington	4.8	4.8	4.5	4.0	45.3	54.7	32.6	22.2	59.5	40.5
Oregon	4.6	4.6	4.4	3.9	45.2	54.8	34.2	20.6	62.4	37.6
California	4.6	4.6	4.2	3.8	56.3	43.7	25.6	18.1	58.5	41.5

Source: Bureau of the Census, Department of Commerce.

No. 31.—FOREIGN-BORN POPULATION, ALL RACES, BY COUNTRY OF BIRTH: CONTINENTAL UNITED STATES

NOTE.—Data for 1930 not yet available. See Table 32 for country of birth of foreign-born white population

Country of birth	Number						Per cent of increase [1]	
	1870	1880	1890	1900	1910	1920	1900–1910	1910–1920
Total foreign born	5,567,229	6,679,943	9,249,560	10,341,276	13,515,886	13,920,692	30.7	3.0
Europe	4,936,818	5,744,311	8,020,606	8,871,780	11,791,841	11,882,053	32.9	0.8
Northwestern Europe	3,124,633	3,494,484	4,380,752	4,202,683	4,239,067	3,830,094	0.9	−9.6
England	555,046	664,160	909,092	840,513	877,719	813,853	4.4	−7.3
Scotland	140,835	170,136	242,231	233,524	261,076	254,570	11.8	−2.5
Wales	74,533	83,302	100,079	93,586	82,488	67,066	−11.9	−18.7
Ireland	1,855,827	1,854,571	1,871,509	1,615,459	1,352,251	1,037,234	−16.3	−23.3
Norway	114,246	181,729	322,665	336,388	403,877	363,863	20.1	−9.9
Sweden	97,332	194,337	478,041	582,014	665,207	625,585	14.3	−6.0
Denmark [2]	30,107	64,196	132,543	153,690	181,649	189,154	18.2	4.1
Netherlands	46,802	58,090	81,828	94,931	120,063	131,766	26.5	9.7
Belgium [2]	12,553	15,535	22,639	29,757	49,400	62,687	66.0	26.9
Luxemburg	5,802	12,336	2,882	3,031	3,071	12,585	1.3	309.8
Switzerland	75,153	88,621	104,069	115,593	124,848	118,659	8.0	−5.0
France [2]	116,402	106,971	113,174	104,197	117,418	153,072	12.7	30.4
Central and Eastern Europe	1,784,448	2,187,776	3,420,629	4,136,646	6,024,041	6,134,845	45.6	1.8
Germany [2]	1,690,533	1,966,742	2,784,894	2,663,418	[3] 2,311,237	1,686,108	−13.2	−27.0
Poland [3]	14,436	48,557	147,440	383,407	[3] 937,884	1,139,979	144.6	21.5
Czechoslovakia [4]						362,438		
Austria [2]	70,797	124,024	241,377	432,798	[2] 845,555	575,627	95.4	−31.9
Hungary [2]	3,737	11,526	62,435	145,714	495,609	397,283	240.1	−19.8
Yugoslavia [4]						169,439		
Serbia [5]					4,639			
Montenegro [5]					5,374			
Russia and Lithuania	4,644	35,722	182,644	423,726	[3] 1,184,412	1,535,563	179.5	29.6
Finland				62,641	129,680	149,824	107.0	15.5
Rumania [3]				15,032	65,923	102,823	338.6	56.0
Bulgaria [2]					11,498	10,477		−8.9
Turkey in Europe [2]	[6] 302	[6] 1,205	[6] 1,839	[6] 9,910	[7] 32,230	5,284	225.2	−83.6
Southern Europe	25,853	58,265	206,648	530,200	1,525,875	1,911,213	187.8	25.3
Greece [2]	390	776	1,887	8,515	101,282	175,976	1,089.5	73.7
Albania					(7)	5,008		
Italy [2]	17,157	44,230	182,580	484,027	1,343,125	1,610,113	177.5	19.9
Spain	3,764	5,121	6,185	7,050	22,108	49,535	213.6	124.1
Portugal	4,542	8,138	15,996	30,608	59,360	69,981	93.9	17.9
Other Europe [8]	1,678	3,786	12,579	2,251	2,858	5,901	471.8	106.5
Asia	64,565	107,630	113,396	120,248	191,484	237,950	59.2	24.3
Armenia, Palestine, Syria, and Turkey in Asia	(6)	(6)	(6)	(6)	59,729	102,751		72.0
China	63,042	104,468	106,701	81,534	56,756	43,550	−30.4	−23.3
Japan	73	401	2,292	24,788	67,744	81,502	173.3	20.3
India	536	1,707	2,143	2,031	4,664	4,901	129.6	5.1
Other Asia	864	1,054	2,260	11,895	2,591	5,236	−78.2	102.1
America	551,335	807,230	1,088,245	1,317,380	1,489,231	1,727,017	13.0	16.0
Canada and Newfoundland [9]	493,464	717,157	980,938	1,179,922	1,209,717	1,138,174	2.5	−5.9
Canada—								
French [9]			302,496	395,126	385,083	307,786	−2.5	−20.1
Other [9]			678,442	784,796	819,554	817,139	4.4	−0.3
Newfoundland [9]					5,080	13,249		160.8
West Indies	11,570	16,401	23,256	[10] 25,435	[10] 47,635	[10] 78,962	87.3	65.8
Mexico	42,435	68,399	77,853	103,393	221,915	486,418	114.6	119.2
Central and South America	3,866	5,273	6,198	8,630	9,964	23,463	15.5	135.5
All other	14,711	20,772	27,311	31,868	43,330	73,672	36.0	70.0

[1] A minus sign (−) denotes decrease.
[2] Boundaries changed since 1910. Statistics for 1920 relate to postwar boundaries; for 1910, to prewar boundaries.
[3] Persons reported in 1910 as of Polish mother tongue born in Germany (190,000), 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 1870 to 1900 listed it as a country of birth.
[4] Created since 1910.
[5] Included as part of Yugoslavia in 1920.
[6] Turkey in Asia included with Turkey in Europe prior to 1910.
[7] Albania included with Turkey in Europe in 1910 and earlier years.
[8] Includes "Europe, not specified" at each census, and Danzig, Fiume, and Saar Basin in 1920.
[9] Newfoundland included with Canada prior to 1910.
[10] Except possessions of the United States.

Source: Bureau of the Census, Department of Commerce.

No. 32.—FOREIGN-BORN WHITE POPULATION, BY COUNTRY OF BIRTH, CONTINENTAL UNITED STATES

NOTE.—For estimates of the total white population, 1920, by countries of origin, see Table 109

Country of birth	1920		1930	
	Number	Per cent	Number	Per cent
Total	13,712,754	100.0	13,366,407	100.0
Europe	11,877,991	86.6	11,740,121	87.8
Northwestern Europe	3,828,376	27.9	3,724,035	27.9
England	812,828	5.9	808,672	6.1
Scotland	254,567	1.9	354,323	2.7
Wales	67,086	.5	60,205	.5
Northern Ireland	1,037,233	7.6	178,832	1.3
Irish Free State			744,810	5.6
Norway	363,862	2.7	347,852	2.6
Sweden	625,580	4.6	595,250	4.5
Denmark	[1] 189,154	[1] 1.4	179,474	1.3
Netherlands	131,766	1.0	133,133	1.0
Belgium	62,686	.5	64,194	.5
Luxemburg	12,585	.1	9,048	.1
Switzerland	118,659	.9	113,010	.8
France	152,890	1.1	135,232	1.0
Central Europe	4,320,660	31.6	4,225,315	31.6
Germany	1,686,102	12.3	1,608,814	12.0
Poland	1,139,978	8.3	1,268,563	9.5
Czechoslovakia	362,436	2.6	491,038	3.7
Austria	575,025	4.2	370,914	2.8
Hungary	397,282	2.9	274,450	2.1
Yugoslavia	169,437	1.2	211,416	1.6
Eastern Europe	1,808,965	13.2	1,671,980	12.5
Russia			1,153,624	8.6
Latvia	1,400,489	10.2	20,673	.2
Estonia			3,550	(2)
Lithuania	135,068	1.0	193,606	1.4
Finland	149,824	1.1	142,478	1.1
Rumania	102,823	.7	140,393	1.1
E. Europe—Contd.				
Bulgaria	10,477	0.1	9,399	0.1
Turkey in Europe	5,284	(3)	2,257	(3)
Southern Europe	1,908,389	13.9	2,093,226	15.7
Greece	175,972	1.3	174,528	1.3
Italy	1,610,109	11.7	1,790,422	13.4
Spain	49,247	.4	58,302	.4
Portugal	67,453	.5	69,974	.5
Other Europe	11,509	.1	25,065	.2
Asia	110,450	.8	157,580	1.2
Turkey in Asia	11,014	.1	46,651	.3
Armenia	36,626	.3	32,166	.2
Palestine and Syria	55,102	.4	63,362	.5
Other Asia	7,708	.1	15,401	.1
America	1,656,801	12.1	1,395,070	10.4
Canada—French	307,786	2.2	370,852	2.8
Other	810,092	5.9	907,569	6.8
Newfoundland	13,242	.1	23,971	.2
Mexico	[5] 478,383	3.5	23,743	.2
Cuba	26,369	.2	15,944	.1
Other West Indies [4]			15,482	.1
Central and South America	20,929	.2	37,509	.3
Other countries	67,512	.5	73,638	.6
Australia	10,801	.1	12,720	.1
Iceland	(1)	(1)	2,704	(2)
Azores			35,427	.3
Other Atlantic islands	38,084	.3	4,052	(2)
All other	17,727	.1	18,673	.1

[1] Iceland included with Denmark.
[2] Less than one-tenth of 1 per cent.
[3] Made up largely of persons who would have been classified as Mexicans in 1930. See note 2, Table 7.
[4] Except possessions of the United States.

No. 33.—URBAN AND RURAL FOREIGN-BORN WHITE POPULATION: CONTINENTAL UNITED STATES, 1930, BY COUNTRY OF BIRTH

Country of birth	Urban	Rural	Per cent urban
Total foreign born	10,726,859	2,639,548	80.3
Europe	9,488,606	2,301,515	80.4
Northwestern Europe	2,821,391	902,644	75.8
England	641,200	167,472	79.3
Scotland	295,541	58,782	83.4
Wales	45,968	14,237	76.4
Northern Ireland	150,782	28,050	84.3
Irish Free State	671,727	73,084	90.2
Norway	194,936	152,916	56.0
Sweden	408,032	187,218	68.5
Denmark	107,127	72,347	59.7
Netherlands	80,466	52,667	60.4
Belgium	47,136	17,057	73.4
Luxemburg	5,693	3,355	62.9
Switzerland	67,918	45,092	60.1
France	104,865	30,367	77.5
Central Europe	3,312,950	912,365	78.4
Germany	1,176,950	431,864	73.2
Poland	1,096,114	172,469	86.4
Czechoslovakia	348,261	143,377	70.8
Austria	308,482	62,432	83.2
Hungary	228,642	45,808	83.3
Yugoslavia	154,501	56,915	73.1
Eastern Europe	1,451,825	220,155	86.8
Russia	1,041,173	112,451	90.3
Lithuania	168,090	25,516	86.8
Latvia	18,744	1,929	90.7
Estonia	2,982	568	84.0
Finland	79,867	62,611	56.1
Rumania	131,465	14,928	89.8
Bulgaria	7,346	2,053	78.2
Turkey in Europe	2,158	99	95.6
Southern Europe	1,830,701	262,525	87.5
Greece	159,378	15,150	91.3
Italy	1,573,001	217,421	87.9
Spain	46,181	12,121	79.2
Portugal	52,141	17,833	74.5
Other Europe	21,739	3,326	86.7
Asia	142,889	14,691	90.7
Turkey in Asia	43,272	3,379	92.8
Armenia	28,829	3,337	89.6
Palestine and Syria	57,357	6,005	90.5
Other Asia	13,431	1,970	87.2
America	1,092,246	302,824	78.3
Canada—French	292,564	78,288	78.9
Other	696,174	211,305	76.7
Newfoundland	22,021	1,950	91.9
Mexico	18,596	5,147	78.3
Cuba	15,128	816	94.9
Other West Indies [1]	13,960	1,522	90.2
Cen. and S. America	33,803	3,706	90.1
Other countries	53,118	20,518	72.1
Australia	10,208	2,512	80.3
Iceland	1,348	1,416	48.8
Azores	23,382	12,045	66.0
Other Atlantic islands	3,427	625	84.6
All other	14,753	3,920	79.0

[1] Except possessions of the United States.

Source of Tables 32 and 33: Bureau of the Census, Department of Commerce.

No. 34.—FOREIGN WHITE STOCK, BY MOTHER TONGUE: CONTINENTAL UNITED STATES

NOTE.—The last two columns include native white persons (1) having both parents foreign born and of the specified foreign tongue, and (2) having one parent foreign born and of the specified mother tongue and the other parent native. Persons having both parents foreign born, one parent of one mother tongue and the other of another, are grouped in the last line. Data for 1930 are not yet available

Linguistic group and mother tongue	Total foreign white stock				Per cent of increase, 1910–1920 [1]	Foreign-born white		Native white of foreign or mixed parentage	
	Number		Per cent distribution						
	1910	1920	1910	1920		1910	1920	1910	1920
Total	32,243,382	36,398,958	100.0	100.0	12.9	13,345,545	13,712,754	18,897,837	22,686,204
English and Celtic [2]	9,930,861	9,720,385	30.8	26.7	−2.0	3,363,792	3,007,932	6,567,069	6,721,433
Germanic	9,000,139	8,622,500	27.9	23.7	−4.2	2,910,857	2,449,364	6,089,282	6,173,136
German	8,646,402	8,104,111	26.8	22.4	−5.6	2,759,032	2,267,128	5,887,370	5,836,983
Dutch and Frisian	311,015	370,499	1.0	1.0	19.1	126,045	136,540	184,970	233,959
Flemish	42,722	87,890	0.1	0.2	105.7	25,780	45,696	16,942	42,194
Scandinavian	2,781,402	2,972,798	8.6	8.2	6.9	1,272,150	1,194,933	1,509,252	1,777,865
Swedish	1,394,410	1,485,062	4.3	4.1	6.5	683,218	643,203	711,192	841,859
Norwegian	976,827	1,020,788	3.0	2.8	4.5	402,587	362,199	574,240	658,589
Danish [3]	410,165	466,946	1.3	1.3	13.8	186,345	189,531	223,820	277,415
Latin and Greek	4,185,932	6,036,001	13.0	16.6	44.2	2,385,388	2,990,954	1,800,544	3,045,047
Italian [4]	2,135,393	3,365,864	6.6	9.2	57.6	1,365,110	1,624,998	770,283	1,740,866
French	1,288,397	1,290,110	4.0	3.5	0.1	528,842	466,956	760,055	823,154
Spanish [5]	444,132	850,848	1.4	2.3	91.6	258,131	556,111	186,001	294,737
Portuguese	139,221	215,728	0.4	0.6	55.0	72,649	105,895	66,572	109,833
Rumanian	49,588	91,683	0.2	0.3	84.9	42,277	62,336	7,311	29,347
Greek	128,701	221,768	0.4	0.6	72.3	118,379	174,658	10,322	47,110
Slavic and Lettic	3,194,647	5,270,581	9.9	14.5	65.0	1,831,666	2,480,332	1,362,981	2,810,249
Polish	1,084,108	2,436,895	5.2	6.7	44.7	943,781	1,077,302	740,327	1,359,593
Czech	531,193	622,796	1.6	1.7	17.2	228,738	233,564	302,455	388,232
Slovak	281,707	619,866	0.9	1.7	120.0	166,474	274,948	115,233	344,918
Russian [6]	91,341	731,949	0.3	2.0	701.3	57,926	392,049	33,415	339,900
Ruthenian	34,837	95,458	0.1	0.3	174.0	25,131	55,672	9,706	39,786
Slovenian	181,594	208,552	0.6	0.6	14.8	123,631	102,744	57,963	105,808
Serbo-Croatian—									
Croatian	92,260	140,559	0.3	0.4	52.4	74,036	83,063	18,224	57,496
Dalmatian	5,372	3,119	(7)	(7)	−41.9	4,344	2,112	1,028	1,007
Serbian	26,483	52,208	0.1	0.1	97.1	23,403	36,471	3,080	15,737
Montenegrin	3,949	4,535	(7)	(7)	14.8	3,886	4,198	63	337
Bulgarian	19,183	14,420	0.1	(7)	−24.8	18,341	12,853	842	1,567
Slavic, not specified [8]	34,799	3,624	0.1	(7)	−89.6	21,012	2,039	13,787	1,585
Lithuanian and Lettish	207,821	336,600	0.6	0.9	62.0	140,963	182,227	66,858	154,373
Unclassified	2,261,563	2,956,321	7.0	8.1	30.7	1,465,420	1,602,073	796,143	1,354,248
Yiddish and Hebrew	1,664,142	2,043,613	5.2	5.6	22.8	1,051,767	1,091,820	612,375	951,793
Magyar	315,283	473,538	1.0	1.3	50.2	229,094	268,112	86,189	205,426
Finnish [9]	197,515	265,472	0.6	0.7	34.4	120,086	138,567	77,429	131,905
Armenian	29,690	52,840	0.1	0.1	78.0	23,938	37,647	5,752	15,193
Syrian and Arabic	46,495	104,139	0.1	0.3	124.0	32,868	57,557	13,627	46,582
Turkish	5,310	8,505	(7)	(7)	60.2	4,709	6,627	601	1,878
Albanian	2,358	6,426	(7)	(7)	172.5	2,312	5,515	46	911
All other [10]	770	1,788	(7)	(7)	132.2	646	1,228	124	560
Unknown or mixed mother tongue	888,338	811,394	2.8	2.2	−8.7	116,272	7,166	772,566	804,228
Unknown	297,918	20,336	0.9	0.1	−93.2	116,272	7,166	181,646	13,170
Of mixed mother tongue [11]	590,920	791,058	1.8	2.2	33.9	----------	----------	590,920	791,058

[1] A minus sign (−) denotes decrease.
[2] Includes persons reporting Irish, Scotch, or Welsh.
[3] Includes Icelandic (5,105 in 1910, 5,634 in 1920).
[4] Includes Romansh and Friulian (3,183 in 1910, 2,206 in 1920).
[5] Includes Basque (656 in 1910, 527 in 1920).
[6] Probably includes a considerable proportion of Hebrews, erroneously reported as of Russian mother tongue, especially in 1920; the increase over 1910 is misleading.
[7] Less than one-tenth of 1 per cent.
[8] Practically all Wendish in 1920; 395 reported as Wendish in 1910.
[9] Includes Lappish and Esthonian (2,533 in 1910, 1,390 in 1920).
[10] Comprises Persian (592 in 1910, 1,159 in 1920), Gypsy (156 in 1910, 173 in 1920), Georgian (14 in 1910, 65 in 1920), Kurdish (8 in 1910, 122 in 1920), and Egyptian (269 in 1920).
[11] The term "Of mixed mother tongue" refers to natives whose foreign-born parents were reported as o different mother tongues.

Source: Bureau of the Census, Department of Commerce.

No. 35.—FOREIGN-BORN WHITES BY

Division and State	Total foreign-born white	Northwestern Europe									
		United Kingdom				Irish Free State	Norway	Sweden	Denmark	Netherlands	Belgium
		England	Scotland	Wales	Northern Ireland						
Continental United States	13,366,407	808,072	354,323	60,205	178,832	744,810	347,852	595,250	179,474	133,133	64,194
New England	1,334,310	135,490	54,226	2,834	33,527	193,113	8,860	66,023	7,625	2,814	3,384
Maine	100,368	4,463	1,906	137	827	3,288	534	1,882	840	41	51
New Hampshire	82,660	3,922	1,728	72	1,010	4,807	396	1,608	166	163	523
Vermont	43,061	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	138,366	5,454	36,810	3,070	1,890	1,956
Rhode Island	170,714	24,666	5,401	224	3,845	13,895	543	6,181	280	138	907
Connecticut	382,871	22,062	10,013	581	7,090	31,328	1,806	18,453	3,129	548	425
Middle Atlantic	5,269,042	276,133	137,861	26,336	92,559	361,502	55,697	91,045	26,978	30,960	12,692
New York	3,191,540	146,485	67,623	7,037	41,521	251,704	44,882	61,233	17,407	14,909	6,144
New Jersey	844,442	51,620	34,721	1,532	15,750	47,486	7,870	13,360	6,665	14,762	2,874
Pennsylvania	1,233,051	78,019	35,517	17,767	35,288	62,312	2,945	16,452	2,906	1,289	3,674
East North Central	3,223,924	170,013	84,579	14,585	23,322	93,881	74,228	165,765	42,397	57,443	33,053
Ohio	644,151	40,065	17,862	6,897	5,028	17,879	1,650	7,390	2,184	2,235	1,846
Indiana	135,134	7,465	3,808	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	11,564
Michigan	840,208	62,721	35,257	2,236	6,138	11,390	7,201	23,905	7,210	32,128	13,931
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	1,059,277	38,641	13,035	3,582	6,750	23,983	131,904	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	4,832	1,701
Iowa	165,735	9,045	2,871	1,188	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	576	3,895	1,497	706	859
North Dakota	105,148	1,592	891	111	329	863	31,337	8,470	2,936	658	238
South Dakota	65,648	2,159	612	265	351	802	13,061	6,540	5,208	3,068	239
Nebraska	115,346	4,213	1,223	383	801	2,502	1,691	14,335	10,210	620	523
Kansas	69,716	5,268	1,778	785	780	1,921	746	7,315	1,723	513	1,098
South Atlantic	304,278	25,673	8,359	1,797	3,637	12,183	2,591	4,940	2,339	1,624	1,397
Delaware	16,885	1,302	562	45	900	1,364	141	294	99	56	29
Maryland	95,093	5,067	1,020	477	813	4,032	703	764	464	343	152
Dist. of Columbia	29,932	2,835	884	116	403	3,026	228	435	229	151	92
Virginia	23,820	3,088	1,239	132	375	789	318	467	339	264	101
West Virginia	51,520	3,282	1,267	607	222	659	57	303	75	42	690
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	126	266	108	67	45
Florida	59,057	7,084	1,797	289	534	1,209	859	2,145	921	476	217
East South Central	57,865	5,059	1,941	377	567	2,758	447	1,246	476	295	184
Kentucky	21,840	1,478	524	114	191	1,050	40	170	72	112	59
Tennessee	13,066	1,351	433	104	160	491	68	232	123	56	28
Alabama	15,719	1,760	860	141	162	413	266	638	182	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	800	229	51	100	354	72	249	138	80	78
Louisiana	34,916	1,512	435	66	234	970	487	433	315	220	307
Oklahoma	26,753	2,099	866	235	262	690	243	835	516	166	217
Texas	98,396	6,782	1,711	260	616	2,907	1,490	4,017	1,350	578	407
Mountain	287,914	33,070	10,934	3,385	3,173	10,252	15,350	25,339	13,248	5,038	1,343
Montana	72,961	6,020	2,721	580	1,095	3,050	8,991	5,655	2,541	1,253	509
Idaho	30,454	3,252	1,025	355	284	616	2,148	4,200	1,667	341	118
Wyoming	19,658	2,105	1,424	222	179	584	647	1,783	775	101	139
Colorado	85,406	6,891	2,877	1,061	900	3,184	1,261	8,328	2,374	810	390
New Mexico	7,797	648	354	99	91	218	119	263	101	64	34
Arizona	15,591	2,309	579	139	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	6,397	14,085	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	31,429	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
Luxemburg	Switzerland	France	Germany	Poland	Czechoslovakia	Austria	Hungary	Yugoslavia	Russia	Lithuania	Latvia	
9,048	113,010	135,232	1,608,814	1,268,583	491,638	370,914	274,450	211,416	1,153,624	193,606	20,673	U. S.
78	3,541	11,723	50,005	136,774	16,024	11,943	11,107	1,334	103,310	41,753	2,906	N. E.
5	51	314	818	1,706	241	230	30	16	1,880	1,121	92	Me.
2	82	290	1,517	4,101	132	174	47	36	1,427	1,064	46	N. H.
1	158	182	577	1,562	191	132	156	71	660	160	21	Vt.
31	1,272	6,026	20,338	71,442	2,966	4,266	905	305	67,684	25,219	2,315	Mass.
11	204	2,013	3,090	8,696	274	838	133	24	5,890	922	93	R. I.
26	1,774	2,889	23,466	49,267	12,220	6,306	9,836	882	25,769	13,247	339	Conn.
807	30,985	52,449	572,571	619,628	199,705	216,000	136,753	54,662	659,250	69,882	9,052	M. A.
532	16,571	32,145	349,196	350,383	56,176	142,298	70,631	10,917	481,306	22,933	5,971	N. Y.
117	8,765	10,520	112,753	102,573	32,358	24,010	32,332	3,643	62,152	9,870	1,194	N. J.
218	5,649	9,784	110,622	166,672	111,171	40,592	33,790	40,102	115,792	37,079	1,887	Pa.
3,976	27,066	24,101	524,437	416,569	190,709	82,600	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.
56	1,624	2,160	28,152	17,482	8,325	2,709	7,674	6,646	4,749	2,109	116	Ind.
2,786	7,315	10,155	190,605	173,007	76,420	33,336	20,395	28,173	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	7,669	1,459	128,269	42,359	19,580	12,709	6,490	12,266	16,418	4,109	331	Wis.
2,874	11,660	7,329	228,951	34,419	46,005	22,924	7,295	17,049	83,728	3,837	684	W. N. C.
1,032	2,041	1,246	69,993	15,015	11,415	7,288	1,681	8,888	11,902	1,283	255	Minn.
873	2,096	1,435	53,901	1,875	8,230	1,596	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	220	12,739	717	2,580	678	231	223	9,023	46	7	S.Dak.
204	1,364	558	32,544	4,445	14,313	1,863	372	762	11,234	589	145	Nebr.
120	1,594	1,271	17,384	1,915	3,044	2,164	334	2,781	8,781	158	11	Kans.
85	2,248	3,950	38,225	26,239	8,309	7,578	6,737	3,095	35,870	5,681	1,384	S. A.
75	147	1,459	2,954	159	435	157	7	1,450	90	20	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	55	4,914	256	142	D. C.
3	191	365	2,505	1,221	927	492	560	67	2,989	400	261	Va.
11	398	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	825	652	160	2,012	168	62	Fla.
19	1,561	1,462	12,188	2,711	878	1,239	1,093	550	5,023	424	182	E. S. C.
4	915	583	7,552	899	194	484	557	201	1,629	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	524	44	27	Miss.
93	2,681	5,698	38,411	6,800	14,885	4,590	1,241	1,141	10,856	580	247	W. S. C.
7	518	254	2,989	304	404	293	67	118	401	52	10	Ark.
10	260	2,935	3,616	655	332	467	361	397	1,375	31	23	La.
31	493	717	5,893	1,102	1,867	530	191	162	3,613	189	74	Okla.
45	1,410	1,792	25,913	4,589	12,282	3,300	622	464	5,467	308	140	Tex.
236	5,593	4,071	28,731	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	106	489	1,153	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	262	61	Colo.
5	117	259	936	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	4,194	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	2,086	1,691	1,664	404	1,541	6,278	319	167	Oreg.
437	20,063	21,319	81,840	14,290	6,212	13,243	6,896	12,743	44,047	1,776	1,189	Calif.

No. 35.—Foreign-Born Whites by Country

Division and State	Eastern Europe—Continued					Southern Europe				Other Europe[1]	Asia	
	Estonia	Finland	Rumania	Bulgaria	Turkey in Europe	Greece	Italy	Spain	Portugal		Armenia	Palestine and Syria
Continental United States.	3,560	142,478	146,393	9,399	2,257	174,523	1,790,422	58,302	69,974	25,065	32,166	63,362
New England	132	18,503	3,424	238	311	25,423	253,098	2,383	35,674	4,643	10,687	11,504
Maine	4	1,405	27	5	16	748	2,359	40	78	261	134	486
New Hampshire	3	1,386	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	1,089	116	217	16,780	126,103	798	24,840	3,116	7,705	7,403
Rhode Island	10	448	480	43	38	1,100	32,403	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	22,290	72,826	1,544	1,043	51,953	1,048,159	25,517	10,052	3,604	8,412	21,484
New York	1,505	17,444	51,014	978	849	33,387	629,322	17,695	5,106	4,595	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	1,201	2,969	1,591	5,521
East North Central	401	42,946	48,871	4,914	424	49,101	244,504	4,563	546	7,500	5,927	12,598
Ohio	81	5,633	19,580	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	11,482	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	56	40	370	375	549
West North Central	58	28,328	9,012	692	34	6,020	31,651	659	32	1,092	267	3,204
Minnesota	30	24,360	2,819	238	7	1,765	6,401	42	5	138	60	705
Iowa	4	70	284	150	2	1,910	3,834	22	1	69	68	550
Missouri	9	100	2,321	151	19	2,407	15,202	460	14	547	86	839
North Dakota	7	873	2,518	39	------	303	102	8	1	27	22	239
South Dakota	3	825	410	40	3	279	305	7	1	25	3	233
Nebraska	3	48	336	30	3	822	3,642	18	4	140	24	395
Kansas	2	52	324	29	------	534	2,165	102	6	86	4	253
South Atlantic	119	1,191	2,743	218	106	11,449	39,512	6,277	393	762	323	4,818
Delaware	11	50	91	2	4	339	3,769	121	7	33	3	7
Maryland	39	376	811	16	6	1,617	10,872	281	33	185	30	133
District 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	12,083	1,372	49	172	16	1,317
North Carolina	4	9	33	7	6	1,006	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	5,262	4,125	122	70	48	962
East South Central	12	154	484	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	5	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	22,185	1,437	104	607	53	3,321
Arkansas	2	10	36	33	2	312	952	7	1	31	4	227
Louisiana	23	82	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	5,765	1,435	640	20	6,716	23,774	3,480	224	256	198	1,207
Montana	29	2,709	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	563	450	271	9	1,230	10,670	210	15	77	35	251
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	163	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	247	76	2,881	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	469	167	12,676	107,249	13,016	22,695	1,122	6,112	2,343

[1] Comprises Albania, Danzig, Fiume, Saar Basin, and "Europe, not specified."
[2] Comprises Hedjaz, India, China, Japan, Palestine, 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[4]	Division and State
		Canada											
Turkey in Asia	Other Asia[2]	French	Other	Newfoundland	Mexico	Cuba	Other West Indies[3]	Central and South America	Australia	Azores	Iceland		
46,651	15,401	370,852	907,569	23,971	23,743	15,944	15,482	37,509	12,720	35,427	2,764	22,726	U. S.
8,348	1,294	284,261	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.
250	22	37,682	13,277	228	4	16	19	34	20	34	------	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.
733	669	25,570	12,238	758	31	103	235	623	118	107	7	315	Conn.
21,183	4,409	33,336	147,411	8,046	3,551	7,099	9,884	20,149	2,626	195	166	6,484	M. A.
16,573	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	552	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	4,382	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	180	119	683	307	2	6	660	Ohio.
297	288	682	5,519	69	218	30	22	148	98	3	3	178	Ind.
2,048	2,411	6,189	37,400	386	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	4,292	11,280	78	188	32	27	222	125	2	63	467	Wis.
507	500	10,531	52,323	185	1,064	124	157	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	70	608	5,725	42	176	10	31	83	81	1	9	220	Iowa.
240	90	588	4,824	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	1,304	400	24	33	866	S. A.
21	8	61	393	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.
369	79	118	839	15	101	27	8	96	40	1	------	54	W. Va.
108	61	80	850	20	11	24	14	30	22	1	1	57	N. C.
93	34	31	247	7	6	15	15	12	4	1	------	25	S. C.
185	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	20	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	13	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	1,870	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.
298	267	3,678	23,302	134	2,284	70	104	513	616	153	137	839	Mt.
79	47	1,966	8,787	33	88	3	19	65	71	5	16	109	Mont.
11	17	571	3,931	41	68	3	4	30	53	27	12	107	Idaho.
13	22	118	1,018	3	67	2	13	19	13	1	1	42	Wyo.
78	73	572	5,244	27	330	28	33	213	114	1	1	161	Colo.
8	17	62	551	6	390	7	3	50	19	1	------	20	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	8,324	458	783	7,357	5,964	12,742	1,066	5,669	Pac.
646	408	4,340	43,724	250	115	20	57	350	583	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	8,048	427	694	6,856	5,108	12,700	276	4,663	Calif.

[3] Except possessions of the United States.
[4] Comprises Africa, Pacific Islands, Cape Verde islands, and other Atlantic islands, "Country not specified," and "at sea."

No. 36.—CITIZENSHIP OF FOREIGN-BORN WHITES, 21 YEARS AND OVER: BY PRINCIPAL COUNTRIES OF BIRTH, CONTINENTAL UNITED STATES, 1920

NOTE.—Data for 1930 are not yet available

Country of birth	Male					Female				
	Total 21 years and over [1]	Citizens		Having first papers	Aliens	Total 21 years and over [1]	Citizens		Having first papers	Aliens
		Number	Per cent				Number	Per cent		
1910, total [2]	*8,846,317*	*3,934,117*	*44.6*	*570,772*	*2,266,535*					
1920, total	*8,998,452*	*3,814,910*	*47.8*	*1,116,744*	*2,138,237*	*5,570,268*	*2,893,787*	*52.0*	*77,532*	*2,220,672*
EUROPE										
Northwestern Europe:										
England	392,116	253,937	64.8	50,338	55,148	353,282	233,702	66.2	4,500	83,301
Scotland	122,568	77,909	63.6	18,125	16,942	108,966	67,769	62.2	1,624	29,901
Wales	34,806	25,591	73.5	2,967	2,885	29,429	22,109	75.3	232	3,942
Ireland	448,573	324,100	72.3	43,995	47,181	373,104	350,821	61.2	8,269	152,385
Norway	195,101	131,322	67.3	29,223	23,640	153,784	105,710	69.4	2,684	32,583
Sweden	334,849	232,761	69.5	47,632	37,257	270,700	190,931	70.5	4,594	58,039
Denmark	109,754	76,412	69.6	15,447	10,978	71,044	51,127	72.0	1,105	13,771
Netherlands	67,901	39,462	58.1	12,304	12,135	49,276	30,459	61.8	778	14,743
Belgium and Luxemburg	39,295	21,722	55.3	8,504	6,515	27,228	15,213	55.9	437	9,573
Switzerland	65,658	42,623	64.9	7,915	9,934	48,736	32,835	67.5	744	10,281
France	73,987	44,421	60.1	*9,811*	*13,567*	66,959	38,309	57.2	1,101	20,850
Central Europe:										
Germany	873,231	639,843	73.3	101,473	74,277	775,653	573,608	74.0	13,722	117,478
Poland	602,918	168,354	27.9	139,759	279,386	445,132	134,281	30.2	6,339	290,025
Czechoslovakia	182,913	81,705	44.7	45,520	49,119	152,417	76,630	50.3	2,832	65,694
Austria	300,890	109,615	36.4	63,446	114,712	227,262	95,045	41.8	2,289	116,891
Hungary	196,093	55,188	28.1	*50,215*	*84,406*	*157,699*	*50,995*	32.3	2,645	97,355
Yugoslavia	107,974	*23,140*	21.4	27,687	*54,134*	47,982	15,676	32.7	836	30,085
Eastern Europe:										
Russia	582,208	284,320	41.7	127,879	246,604	529,129	225,241	42.6	6,051	274,844
Lithuania	79,308	20,254	25.5	16,186	41,194	48,334	12,979	26.9	544	33,042
Finland	90,407	31,550	39.2	17,466	28,511	59,603	27,323	45.8	1,047	28,559
Rumania	52,979	21,602	40.8	11,718	17,949	39,138	17,278	44.1	618	19,516
Bulgaria and Turkey in Europe	12,530	1,605	12.8	2,310	8,088	2,035	530	26.0	42	1,382
Southern Europe:										
Greece	135,207	23,093	17.1	20,736	85,459	26,308	5,036	19.1	308	*19,894*
Italy	858,111	259,547	30.2	154,330	418,583	550,822	160,106	29.1	5,356	368,344
Spain	31,540	2,814	8.9	2,285	25,061	9,896	1,636	16.5	62	7,655
Portugal	33,837	5,864	17.3	2,274	24,627	22,730	4,211	18.5	120	17,622
Other Europe	7,910	1,814	22.9	1,112	4,610	2,573	1,279	49.7	42	990
ASIA										
Armenia	23,746	6,664	28.1	4,419	11,851	9,780	3,349	34.2	144	5,926
Syria	28,478	8,821	31.0	5,610	12,683	18,097	6,236	28.9	262	11,568
All other Asia	*13,599*	*3,817*	28.2	2,196	6,716	5,314	2,142	40.3	83	2,698
AMERICA										
Canada—French	141,514	66,579	47.0	21,997	46,094	132,662	66,402	50.1	1,179	57,475
Canada—Other and Newfoundland	*355,093*	*205,794*	*58.0*	44,257	69,690	334,507	248,783	64.7	4,671	96,607
Mexico	189,974	6,363	3.3	2,506	172,127	129,723	11,261	8.7	240	112,995
West Indies [3]	11,690	*3,461*	29.6	*1,088*	5,673	9,969	3,220	32.3	107	5,327
Central and South America	9,215	2,147	23.3	1,038	5,052	5,331	1,908	35.7	85	2,729
OTHER COUNTRIES										
Australia	5,370	2,440	45.5	825	1,491	4,352	2,553	58.7	73	1,324
Atlantic Islands [4]	18,393	4,395	23.9	1,213	12,209	15,104	3,330	22.0	58	11,289
All other [5]	8,813	3,871	43.9	938	1,855	6,134	3,593	58.6	50	1,383

[1] Totals include persons whose citizenship was not reported.
[2] No inquiry as to the citizenship of females prior to 1920.
[3] Except possessions of the United States.
[4] Includes Azores and Cape Verde Islands.
[5] Comprises Africa, Pacific Islands, country not specified, and at sea.

Source: Bureau of the Census, Department of Commerce.

No. 37.—URBAN AND RURAL POPULATION: By Classes and Age Groups, Continental United States

Note.—All incorporated places and also towns (townships) in all New England States prior to 1920 and in Massachusetts, Rhode Island, and New Hampshire in 1920, 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 to 1910 are as follows: Urban—1880, 14,358,167; 1890, 22,229,359; 1900, 30,380,433; 1910, 42,166,120; rural—1880, 35,797,616; 1890, 40,649,355; 1900, 45,614,142; 1910, 49,806,146; per cent rural—1880, 28.6; 1890, 35.4; 1900, 40.0; 1910, 45.8

Class	Number				Per cent distribution			
	Urban		Rural		Urban		Rural	
	1920	1930	1920	1930	1920	1930	1920	1930
Total	54,304,603	68,954,823	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	5,193,913	6,903,658	6,697,230	6.6	7.5	13.4	12.4
All other	125,046	924,305	301,528	1,095,391	.2	1.3	.6	2.0
Native white:								
Native parentage	24,556,729	33,497,232	33,865,228	36,639,382	45.2	48.6	65.9	68.1
Foreign or mixed parentage	15,706,372	18,612,514	6,979,832	6,748,672	28.9	27.0	13.6	12.5
Foreign-born white	10,366,983	10,726,859	3,355,771	2,630,548	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	34,154,760	34,800,063	98.1	27,982,320	25,337,903	108.3
White	31,162,570	31,674,035	98.4	24,001,284	22,026,318	109.0
Negro	2,479,158	2,714,755	91.3	3,376,511	3,320,719	101.7
All other	513,032	411,273	124.7	604,525	490,866	123.2
Native white:						
Native parentage	16,515,816	16,981,416	97.3	18,944,185	17,695,197	107.1
Foreign or mixed parentage	9,004,667	9,607,847	93.7	3,545,477	3,203,195	110.7
Foreign-born white	5,042,087	5,084,772	111.0	1,511,623	1,127,926	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 years and over	Age unknown
URBAN POPULATION							
Total urban	5,626,360	6,211,141	5,949,693	6,015,411	29,071,885	18,014,298	66,035
Per cent of total	8.2	9.0	8.6	8.7	42.2	23.2	0.1
Males	2,855,018	3,128,686	2,970,019	2,881,288	14,351,722	7,932,023	36,004
Females	2,771,342	3,082,455	2,979,674	3,134,123	14,720,163	8,082,275	30,031
White	5,074,431	5,621,105	5,455,278	5,486,937	26,166,057	14,977,900	54,897
Negro	427,607	468,357	407,807	447,155	2,520,611	912,979	9,337
All other	124,322	121,679	86,548	81,319	385,217	123,419	1,801
Native white:							
Native parentage	3,517,183	3,507,690	3,171,407	3,053,878	13,545,214	6,572,934	38,926
Foreign or mixed parentage	1,533,043	1,920,459	2,160,882	2,156,157	7,315,446	3,517,978	7,949
Foreign-born white	23,605	102,956	122,989	276,902	5,305,397	4,886,988	8,022
RURAL POPULATION							
Total rural	5,818,030	6,396,468	6,055,184	5,536,704	17,951,382	12,034,489	27,986
Per cent of total	10.8	11.9	11.3	10.3	33.4	22.4	0.1
Males	2,951,156	3,252,422	3,098,758	2,876,537	9,223,378	6,564,257	15,812
Females	2,866,874	3,144,046	2,956,426	2,660,167	8,727,984	5,470,232	12,174
White	4,852,965	5,335,039	5,091,004	4,624,647	15,365,687	10,735,823	22,432
Negro	802,599	930,024	843,675	803,373	2,197,204	1,145,962	4,393
All other	162,466	131,405	120,505	108,684	388,471	152,699	1,161
Native white:							
Native parentage	4,421,982	4,723,348	4,356,945	3,878,625	11,865,306	7,374,741	18,435
Foreign or mixed parentage	426,800	592,956	709,312	698,294	2,550,107	1,769,008	2,195
Foreign-born white	4,183	18,735	24,747	47,728	950,274	1,592,079	1,802

Source: Bureau of the Census, Department of Commerce.

No. 38.—URBAN AND RURAL POPULATION, BY STATES

NOTE.—See headnote, Table 37. 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, 83.4; 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
Continental United States	42, 166, 120	49, 806, 146	54, 304, 603	51, 406, 017	68, 954, 823	53, 820, 223	45. 8	51. 4	56. 2
New England	4, 998, 082	1, 554, 599	5, 885, 073	1, 585, 836	6, 311, 976	1, 854, 365	76. 3	78. 2	77. 3
Maine	262, 248	480, 123	299, 569	468, 445	321, 506	475, 917	35. 3	39. 0	40. 3
New Hampshire [1]	255, 099	175, 473	279, 701	163, 322	273, 079	192, 214	59. 2	63. 1	58. 7
Vermont	98, 917	257, 039	109, 976	242, 452	118, 706	240, 845	27. 8	31. 2	33. 0
Massachusetts [1]	3, 125, 367	241, 049	3, 650, 248	202, 108	3, 831, 426	418, 188	92. 8	94. 8	90. 2
Rhode Island [1]	524, 654	17, 956	589, 180	15, 217	635, 429	52, 068	96. 7	97. 5	92. 4
Connecticut [1]	731, 797	382, 959	936, 339	444, 292	1, 131, 770	475, 133	65. 6	67. 8	70. 4
Middle Atlantic	13, 723, 373	5, 502, 519	16, 672, 595	5, 588, 549	20, 394, 707	5, 866, 043	71. 0	74. 9	77. 7
New York [1]	7, 185, 494	1, 928, 120	8, 589, 844	1, 795, 383	10, 521, 952	2, 066, 114	78. 8	82. 7	83. 6
New Jersey [1]	1, 907, 210	629, 957	2, 474, 936	680, 964	3, 339, 244	702, 090	75. 2	78. 4	82. 6
Pennsylvania [1]	4, 630, 669	3, 034, 442	5, 607, 815	3, 112, 202	6, 533, 511	3, 097, 839	60. 4	64. 3	67. 8
East North Central	9, 617, 271	8, 633, 350	13, 049, 272	8, 426, 271	16, 794, 908	8, 502, 277	52. 7	60. 8	66. 4
Ohio	2, 665, 143	2, 101, 978	3, 577, 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, 855	1, 447, 536	1, 795, 892	1, 442, 611	42. 4	50. 6	55. 5
Illinois	3, 476, 929	2, 161, 662	4, 403, 153	2, 082, 127	5, 635, 727	1, 994, 927	61. 7	67. 9	73. 9
Michigan	1, 327, 044	1, 483, 129	2, 241, 560	1, 426, 852	3, 302, 075	1, 540, 250	47. 2	61. 1	68. 2
Wisconsin	1, 004, 320	1, 329, 540	1, 244, 568	1, 387, 499	1, 553, 843	1, 385, 163	43. 0	47. 3	52. 9
West North Central	3, 873, 716	7, 764, 205	4, 727, 372	7, 816, 877	5, 558, 181	7, 740, 734	33. 3	37. 7	41. 8
Minnesota	850, 294	1, 225, 414	1, 051, 593	1, 335, 532	1, 257, 016	1, 306, 337	41. 0	44. 1	49. 0
Iowa	680, 054	1, 544, 717	875, 495	1, 528, 526	979, 292	1, 491, 647	30. 6	36. 4	39. 6
Missouri	1, 308, 817	1, 894, 518	1, 586, 903	1, 817, 152	1, 859, 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, 073	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	486, 107	801, 356	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
South Atlantic	3, 092, 153	9, 102, 742	4, 338, 792	9, 651, 480	5, 698, 122	10, 095, 467	25. 4	31. 0	36. 1
Delaware	97, 085	105, 237	120, 707	102, 236	123, 146	115, 234	48. 0	54. 2	51. 7
Maryland	658, 192	697, 154	869, 422	580, 239	974, 869	656, 657	50. 8	60. 0	59. 8
District of Columbia	331, 069		437, 571		486, 869		100. 0	100. 0	100. 0
Virginia	476, 529	1, 685, 083	673, 984	1, 635, 203	785, 537	1, 636, 314	23. 1	29. 2	32. 4
West Virginia	228, 242	902, 877	369, 007	1, 094, 694	491, 504	1, 237, 701	18. 7	25. 2	28. 4
North Carolina	318, 474	1, 887, 813	490, 370	2, 068, 753	809, 847	2, 360, 429	14. 4	19. 2	25. 5
South Carolina	224, 332	1, 290, 568	293, 937	1, 389, 737	371, 080	1, 367, 685	14. 8	17. 5	21. 3
Georgia	638, 650	2, 070, 471	727, 859	2, 167, 973	895, 492	2, 013, 014	20. 6	25. 1	30. 8
Florida	219, 080	533, 539	355, 825	612, 645	759, 778	708, 433	29. 1	36. 7	51. 7
East South Central	1, 574, 229	6, 835, 672	1, 994, 207	6, 899, 100	2, 775, 687	7, 108, 527	18. 7	22. 4	28. 1
Kentucky	555, 442	1, 734, 403	633, 543	1, 783, 087	799, 020	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	26. 1	34. 3
Alabama	370, 431	1, 767, 662	509, 317	1, 838, 857	744, 273	1, 901, 975	17. 3	21. 7	28. 1
Mississippi	207, 311	1, 589, 863	240, 121	1, 550, 497	338, 850	1, 670, 971	11. 5	13. 4	16. 9
West South Central	1, 957, 456	8, 327, 078	2, 970, 329	7, 271, 395	4, 427, 499	7, 749, 391	22. 3	29. 0	36. 4
Arkansas	202, 681	1, 371, 768	290, 497	1, 461, 707	382, 878	1, 471, 604	12. 9	16. 6	20. 6
Louisiana	496, 516	1, 159, 872	628, 103	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	26. 6	34. 3
Texas	938, 104	4, 958, 438	1, 512, 689	3, 150, 539	2, 389, 348	3, 435, 367	24. 1	32. 4	41. 0
Mountain	947, 511	1, 666, 006	1, 214, 980	2, 121, 121	1, 457, 922	2, 243, 867	36. 0	36. 4	39. 4
Montana	133, 420	242, 633	172, 011	376, 878	181, 036	356, 570	35. 5	31. 3	33. 7
Idaho	69, 808	255, 696	119, 037	312, 829	129, 507	315, 525	21. 5	27. 6	29. 1
Wyoming	43, 221	102, 744	57, 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	310, 501	14. 2	18. 0	25. 2
Arizona	63, 260	141, 094	117, 527	216, 635	149, 856	285, 717	31. 0	35. 2	34. 4
Utah	172, 934	200, 417	215, 584	233, 812	266, 264	241, 583	46. 3	48. 0	52. 4
Nevada	13, 367	68, 508	15, 254	62, 153	34, 464	56, 594	16. 3	19. 7	37. 8
Pacific	2, 383, 329	1, 309, 975	3, 471, 483	2, 095, 388	5, 534, 881	2, 659, 552	56. 8	62. 4	67. 5
Washington	605, 530	536, 460	748, 735	607, 886	884, 539	678, 857	53. 0	55. 2	56. 5
Oregon	307, 060	365, 705	391, 019	392, 370	489, 746	464, 040	45. 6	49. 9	51. 3
California [1]	1, 469, 739	907, 810	2, 331, 729	1, 095, 132	4, 160, 596	1, 516, 655	61. 8	68. 0	73. 3

[1] See headnote.

Source: Bureau of the Census, Department of Commerce.

No. 39.—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
1790	3,929,214	131,472	6	3.3	1870	38,558,371	8,071,875	226	20.9
1800	5,308,483	210,873	6	4.0	1880	50,155,783	11,365,608	285	22.7
1810	7,239,881	356,920	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	17,069,453	1,453,994	44	8.5	1920	105,710,620	46,307,640	924	43.8
1850	23,191,876	2,897,586	85	12.5	1930	122,775,046	60,333,452	1,208	49.1
1860	31,443,321	5,072,256	141	16.1					

No. 40.—DISTRIBUTION OF POPULATION IN GROUPS OF CITIES AND IN RURAL TERRITORY

NOTE.—For definition of urban and rural population see Table 37

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	6,429,474	3	8,501,174	3	10,145,532
Places of 500,000 to 1,000,000	3	1,645,087	5	3,010,667	9	6,223,769
Places of 250,000 to 500,000	9	2,861,290	11	3,949,839	13	4,540,838
Places of 100,000 to 250,000	23	3,272,490	31	4,840,458	43	6,519,187
Places of 50,000 to 100,000	40	2,709,338	59	4,178,915	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	367	5,524,434	459	6,942,742
Places of 5,000 to 10,000	408	3,220,766	612	4,254,856	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	-------	49,806,146	-------	51,406,017
Incorporated places of less than 2,500	8,930	6,301,533	11,832	8,169,149	12,857	8,969,241
Other rural territory	-------	39,312,609	-------	41,636,997	-------	42,436,776

Class	1930		Per cent of total population			
	Number of places	Population	1900	1910	1920	1930
Total	-------	122,775,046	100.0	100.0	100.0	100.0
Urban territory	3,165	68,954,823	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	5.9	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	7,540,966	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	6,425,693	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	851	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	-------	53,820,223	60.0	54.2	48.6	43.8
Incorporated places of less than 2,500	13,433	9,183,453	8.3	8.9	8.5	7.5
Other rural territory	-------	44,636,770	51.7	45.3	40.1	36.4

Source of Tables 39 and 40: Bureau of the Census, Department of Commerce.

No. 41.—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

NOTE.—The number divorced is considered to be understated

Class	Persons 15 years of age and over					Per cent of total			
	Total [1]	Single	Married	Widowed	Divorced	Single	Married	Widowed	Divorced
1930									
URBAN POPULATION									
Males, total	25,201,087	8,501,813	15,242,615	1,036,856	316,383	33.7	60.5	4.3	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	31.3	60.4	6.4	1.7
All other	346,122	156,219	171,903	13,083	2,838	45.1	49.7	3.8	.8
Native white—									
Native parentage	11,322,687	3,843,634	6,850,950	429,680	172,211	33.9	60.5	3.8	1.5
Foreign or mixed parentage	6,173,365	2,748,154	3,154,845	195,899	62,597	44.5	51.1	3.2	1.0
Foreign-born white	5,516,834	1,177,692	3,952,186	329,770	47,928	21.3	71.6	6.0	.9
Females, total	25,966,592	7,228,694	15,199,397	3,076,806	426,658	27.8	58.5	11.8	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	2,048,053	454,635	1,158,802	376,331	54,790	22.2	56.6	18.4	2.7
All other	245,634	60,382	148,771	32,203	4,003	24.6	60.6	13.1	1.6
Native white—									
Native parentage	11,888,265	3,473,117	6,903,864	1,252,402	237,642	29.2	58.1	10.5	2.0
Foreign or mixed parentage	6,824,165	2,560,477	3,555,597	613,842	84,950	37.5	52.1	9.0	1.2
Foreign-born white	4,960,475	680,083	3,427,363	802,028	45,273	13.7	69.1	16.2	.9
RURAL POPULATION									
Males, total	18,679,984	6,451,869	11,084,424	938,180	173,095	34.5	59.3	5.0	.9
White	16,201,270	5,595,029	9,645,331	789,894	145,337	34.5	59.5	4.9	.9
Negro	2,099,433	694,836	1,245,090	129,141	24,904	33.1	59.3	6.2	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	7,162,190	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	22,023	39.6	55.3	4.1	.9
Foreign-born white	1,487,216	328,225	1,008,413	133,102	14,902	22.1	67.8	8.9	1.0
Females, total	18,870,557	4,077,959	10,971,359	1,657,401	148,490	24.2	65.0	9.8	.9
White	14,547,324	3,515,629	9,552,419	1,355,100	109,759	24.2	65.7	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	271,734	63,159	179,598	25,969	2,653	23.2	66.1	9.6	1.0
Native white—									
Native parentage	11,090,384	2,781,701	7,234,804	975,458	87,126	25.1	65.2	8.8	.8
Foreign or mixed parentage	2,352,323	643,880	1,501,641	188,770	15,964	27.4	63.8	8.0	.7
Foreign-born white	1,104,657	90,048	815,974	190,872	6,669	8.2	73.9	17.3	.6
1920									
Urban population:									
Males	19,695,500	6,982,294	11,605,237	897,500	142,778	35.5	58.9	4.6	.7
Females	19,618,764	5,606,673	11,310,188	2,395,622	186,181	29.0	57.6	12.2	.6
Rural population:									
Males	17,225,163	5,985,271	10,244,029	860,808	92,506	34.7	59.5	5.0	.5
Females	16,558,751	3,918,229	10,008,745	1,522,003	87,123	25.2	64.3	9.8	.5

[1] Includes persons whose marital condition was not reported.

No. 42.—DWELLINGS AND FAMILIES, URBAN AND RURAL: CONTINENTAL UNITED STATES

NOTE.—Data for 1930 are not yet available

Tenure	Urban		Rural	
	1910	1920	1910	1920
Number of dwellings	7,160,349	9,484,550	10,645,496	11,212,654
Average persons per dwelling	5.9	5.7	4.7	4.6
Number of families	9,395,436	12,803,047	10,860,119	11,548,629
Average persons per family	4.5	4.2	4.6	4.5
Families having homes, 1920:	*Number*	*Per cent*	*Number*	*Per cent*
Rented	7,879,348	62.6	5,064,250	45.1
Owned—Free	2,440,695	19.8	4,081,424	37.5
Mortgaged	2,167,993	17.6	1,891,600	17.4
Unknown	99,027	(1)	186,221	(1)
Tenure unknown	215,984	(1)	325,134	(1)

[1] In computing percentages, the numbers representing the unknown items have been distributed in the same proportions as the known items.

Source of Tables 41 and 42: Bureau of the Census, Department of Commerce.

No. 43.—PERSONS ENGAGED IN GAINFUL OCCUPATIONS: BY SEX AND AGE, CONTINENTAL UNITED STATES

NOTE.—Owing to change in the date of enumeration from April to January and to changes in the wording of the instructions, the number of persons, especially women and children, reported as farm laborers was much less in 1920 than would have been the case if the 1910 method had been followed. The incomparability in this occupation affects materially the figures for the agricultural group as a whole and even for all occupations combined. For discussion see Census of 1920, Vol. IV, pp. 12 to 14. For persons engaged in gainful occupations in 1930 by States and by industry groups, see Tables 47 and 48. 1930 data by age groups are not yet available

Census year and age period	Males, 10 years and over			Females, 10 years and over		
	Total number	In gainful occupations		Total number	In gainful occupations	
		Number	Per cent		Number	Per cent
1910						
10 years and over	**37, 027, 558**	**30, 091, 564**	**81. 3**	**34, 552, 712**	**8, 075, 772**	**23. 4**
10 to 13 years	3, 665, 779	609, 030	16. 6	3, 503, 239	286, 946	8. 0
14 and 15 years	1, 798, 449	744, 100	41. 4	1, 770, 898	350, 140	19. 8
16 to 20 years	4, 564, 179	3, 615, 623	79. 2	4, 632, 821	1, 847, 600	39. 9
21 to 44 years [1]	17, 849, 843	17, 262, 209	96. 7	16, 331, 449	4, 302, 969	26. 3
45 years and over	9, 149, 308	7, 860, 593	85. 9	8, 224, 305	1, 288, 117	15. 7
1920						
10 years and over	**42, 289, 969**	**33, 064, 737**	**78. 2**	**40, 449, 346**	**8, 549, 511**	**21. 1**
10 to 13 years	4, 336, 009	258, 259	6. 0	4, 258, 803	119, 804	2. 8
14 and 15 years	1, 958, 976	455, 989	23. 3	1, 948, 734	220, 806	11. 6
16 and 17 years	1, 902, 867	1, 103, 456	58. 0	1, 925, 264	609, 192	31. 6
18 and 19 years	1, 845, 246	1, 443, 068	78. 3	1, 895, 734	802, 235	42. 3
20 to 24 years	4, 527, 045	4, 121, 302	91. 0	4, 749, 976	1, 809, 075	38. 1
25 to 44 years	16, 028, 920	15, 579, 586	97. 2	15, 249, 602	3, 417, 373	22. 4
45 to 64 years	9, 114, 960	8, 552, 175	93. 8	7, 915, 205	1, 352, 479	17. 1
65 years and over	*2, 483, 071*	*1, 492, 837*	*60. 1*	*2, 450, 144*	*196, 900*	*8. 0*
Age unknown	92, 875	57, 075	61. 5	55, 824	15, 647	28. 0

[1] Includes persons of unknown age.

No. 44.—PERSONS ENGAGED IN GAINFUL OCCUPATIONS: BY SEX, AGE, AND PRINCIPAL CLASSES, CONTINENTAL UNITED STATES, 1920

NOTE.—Per cents represent the proportion which persons employed form of the total number of persons of the specified class and age. See headnote, Table 43

Sex and age periods	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
Male	**16, 788, 668**	**75. 1**	**6, 237, 012**	**75. 2**	**6, 627, 997**	**89. 3**	**3, 252, 962**	**81. 1**
10 to 13 years	144, 605	5. 5	13, 150	1. 2	3, 269	2. 6	96, 470	19. 5
14 and 15 years	245, 639	20. 6	94, 260	20. 7	19, 657	24. 7	95, 407	42. 4
16 and 17 years	608, 005	53. 2	279, 938	62. 8	72, 461	71. 6	140, 568	68. 2
18 and 19 years	823, 481	75. 3	341, 770	81. 0	102, 814	87. 3	171, 209	83. 8
20 to 24 years	2, 289, 446	89. 9	925, 130	91. 2	435, 548	95. 3	455, 308	93. 5
25 to 44 years	7, 726, 512	97. 0	2, 910, 176	96. 9	3, 484, 701	98. 1	1, 376, 666	97. 3
45 to 64 years	4, 088, 668	93. 9	1, 508, 153	92. 6	2, 143, 433	93. 5	767, 459	97. 2
65 years and over	831, 456	60. 9	160, 123	63. 1	355, 075	52. 3	139, 476	80. 2
Age unknown	30, 856	52. 5	4, 312	73. 9	11, 039	80. 4	10, 209	76. 2
Female	**3, 733, 329**	**17. 2**	**2, 110, 454**	**24. 8**	**1, 118, 463**	**18. 4**	**1, 571, 289**	**38. 9**
10 to 13 years	48, 437	1. 9	4, 356	0. 4	1, 501	1. 2	64, 982	13. 1
14 and 15 years	88, 495	7. 6	63, 294	13. 9	14, 265	17. 7	60, 372	25. 5
16 and 17 years	264, 121	23. 2	203, 981	45. 3	56, 929	54. 9	83, 549	37. 2
18 and 19 years	378, 303	34. 4	248, 415	57. 6	72, 237	58. 6	102, 238	43. 7
20 to 24 years	855, 946	32. 5	521, 017	48. 8	177, 030	37. 7	252, 417	44. 5
25 to 44 years	1, 439, 349	18. 4	774, 177	24. 6	506, 267	18. 6	689, 933	45. 2
45 to 64 years	558, 202	14. 4	271, 734	16. 7	250, 084	13. 9	269, 955	45. 7
65 years and over	93, 033	6. 8	21, 086	8. 3	38, 453	5. 9	43, 096	27. 1
Age unknown	7, 353	22. 0	1, 794	33. 2	1, 697	26. 0	4, 747	47. 5

Source of Tables 43 and 44: Bureau of the Census, Department of Commerce.

No. 45.—PERSONS 10 YEARS OF AGE AND OVER IN EACH GENERAL DIVISION OF OCCUPATIONS: CONTINENTAL UNITED STATES

NOTE.—See headnote, Table 43. Data for 1930 by industry groups are shown in Table 48 but are not here presented for comparison with the 1920 returns as changes were made in the classifications in 1930 and figures for the two censuses have not as yet been adjusted to a comparable basis

Class of occupation	Both sexes		Males		Females	
	1910	1920	1910	1920	1910	1920
All occupations	38, 187, 336	41, 614, 248	30, 091, 564	33, 064, 737	8, 075, 772	8, 549, 511
Agriculture, forestry, and animal husbandry	[1] 12,659, 082	10, 953, 158	[1] 10,851, 581	9, 869, 030	1, 807, 501	1, 084, 128
Extraction of minerals	[1] 965, 169	1, 090, 223	[1] 964, 075	1, 087, 359	1, 094	2, 864
Manufacturing and mechanical industries	[1] 10, 628, 731	12, 818, 524	[1] 8, 808, 181	10, 888, 183	[1] 1, 820, 570	1, 930, 341
Transportation	[1] 2, 637, 420	3, 063, 582	[1] 2, 530, 795	2, 850, 528	[1] 106, 625	213, 054
Trade	3, 614, 670	4, 242, 979	3, 140, 582	3, 575, 187	468, 088	667, 792
Public service (not elsewhere classified)	459, 291	770, 460	445, 733	748, 666	13, 558	21, 794
Professional service	[1] 1, 693, 361	2, 143, 889	[1] 959, 470	1, 127, 391	[1] 733, 891	1, 016, 498
Domestic and personal service	[1] 3, 772, 559	3, 404, 892	[1] 1, 241, 338	1, 217, 968	[1] 2, 531, 221	2, 186, 924
Clerical occupations	1, 737, 053	3, 126, 541	1, 143, 329	1, 700, 425	593, 224	1, 426, 116
Per cent of total	100. 0	100. 0	100. 0	100. 0	100. 0	100. 0
Agriculture, forestry, and animal husbandry	33. 2	26. 3	36. 1	29. 8	22. 4	12. 7
Extraction of minerals	2. 5	2. 6	3. 2	3. 3	[2]	[2]
Manufacturing and mechanical industries	27. 8	30. 8	29. 3	32. 9	22. 5	22. 6
Transportation	6. 9	7. 4	8. 4	8. 6	1. 3	2. 5
Trade	9. 5	10. 2	10. 5	10. 8	5. 8	7. 8
Public service (not elsewhere classified)	1. 2	1. 9	1. 5	2. 3	0. 2	0. 3
Professional service	4. 4	5. 2	3. 2	3. 4	9. 1	11. 9
Domestic and personal service	9. 9	8. 2	4. 1	3. 7	31. 3	25. 6
Clerical occupations	4. 6	7. 5	3. 8	5. 1	7. 3	16. 7

[1] Figures corrected to conform to 1920 classification. [2] Less than one-tenth of 1 per cent.

No. 46.—NUMBER ENGAGED IN EACH GENERAL DIVISION OF OCCUPATIONS: BY SEX AND AGE, CONTINENTAL UNITED STATES, 1920

NOTE.—For totals of all ages see Table 45. A few persons of unknown age are omitted. See also headnote Table 43

Class of occupation	Age groups—							
	10 to 13 years	14 and 15 years	16 and 17 years	18 and 19 years	20 to 24 years	25 to 44 years	45 to 64 years	65 years and over
MALE								
All occupations	258, 259	455, 989	1, 103, 456	1, 443, 963	4, 121, 392	15, 579, 586	8, 552, 175	1, 492, 837
Agriculture, forestry, and animal husbandry	221, 409	237, 829	396, 484	457, 588	1, 134, 649	3, 966, 116	2, 783, 518	662, 046
Extraction of minerals	598	6, 447	42, 906	54, 024	143, 920	577, 472	236, 137	22, 356
Manufacturing and mechanical industries	6, 737	97, 598	366, 215	475, 401	1, 395, 784	5, 461, 425	2, 685, 508	378, 673
Transportation	1, 682	13, 935	60, 989	120, 285	404, 352	1, 508, 895	661, 331	76, 619
Trade	16, 389	32, 865	79, 620	104, 222	372, 471	1, 799, 041	1, 020, 498	144, 500
Public service (not elsewhere classified)	136	949	10, 833	50, 993	114, 931	306, 491	214, 156	47, 415
Professional service	325	1, 654	5, 774	17, 792	109, 632	605, 682	328, 893	58, 614
Domestic and personal service	4, 880	11, 202	24, 388	32, 940	112, 716	603, 619	357, 849	66, 685
Clerical occupations	6, 123	53, 510	116, 247	130, 723	335, 937	755, 845	264, 285	35, 929
FEMALE								
All occupations	118, 804	226, 806	609, 192	802, 235	1, 809, 075	3, 417, 373	1, 352, 479	196, 900
Agriculture, forestry, and animal husbandry	107, 549	80, 522	81, 427	71, 497	130, 790	337, 087	219, 802	54, 356
Extraction of minerals	49	97	304	299	510	1, 125	405	66
Manufacturing and mechanical industries	2, 736	78, 266	221, 208	214, 340	382, 765	730, 250	271, 047	26, 986
Transportation	217	3, 078	27, 396	39, 966	70, 702	63, 266	7, 660	547
Trade	844	13, 290	55, 042	67, 744	138, 915	291, 658	91, 725	7, 408
Public service (not elsewhere classified)	17	28	94	547	2, 929	12, 096	5, 554	471
Professional service	296	1, 190	11, 449	69, 450	298, 327	490, 894	130, 500	10, 976
Domestic and personal service	7, 292	30, 632	88, 148	118, 729	302, 226	972, 489	568, 448	93, 135
Clerical occupations	804	19, 703	124, 034	219, 663	481, 411	518, 508	57, 338	2, 955

Source of Tables 45 and 46: Bureau of the Census, Department of Commerce.

No. 47.—PERSONS 10 YEARS OF AGE AND OVER ENGAGED IN GAINFUL OCCUPATIONS: 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
Continental United States	38,064,737	38,053,795	78.2	76.2	8,549,511	10,778,794	21.1	22.1
New England	2,363,377	2,487,976	80.4	75.7	871,015	943,384	29.0	27.6
Maine	245,013	239,994	77.9	74.4	64,845	68,623	21.1	21.4
New Hampshire	143,525	142,626	79.2	75.1	49,302	50,045	27.3	26.0
Vermont	111,585	112,762	77.2	75.9	26,809	28,428	19.2	19.9
Massachusetts	1,225,163	1,284,454	80.9	75.7	503,155	529,968	31.6	29.2
Rhode Island	194,438	209,216	82.0	77.2	80,562	87,952	32.7	30.4
Connecticut	443,653	498,924	81.0	76.0	146,252	178,368	27.1	26.8
Middle Atlantic	7,122,699	8,314,461	80.1	76.9	2,117,517	2,643,177	24.1	24.6
New York	3,367,909	4,104,369	80.4	78.0	1,135,295	1,418,716	26.9	27.0
New Jersey	1,014,663	1,294,419	80.8	77.5	295,990	417,706	23.9	25.2
Pennsylvania	2,740,127	2,915,673	79.5	75.0	686,232	806,755	20.7	21.0
East North Central	6,951,808	8,038,337	78.7	76.1	1,564,041	2,070,697	18.9	20.5
Ohio	1,891,546	2,074,880	79.4	75.6	409,970	541,058	18.3	20.1
Indiana	931,647	1,015,103	77.7	76.0	185,385	236,014	16.0	18.1
Illinois	2,086,800	2,467,644	78.8	76.8	540,938	717,231	21.3	23.0
Michigan	1,228,631	1,566,797	80.0	76.9	245,383	360,701	18.1	19.4
Wisconsin	813,184	913,853	75.8	74.6	182,365	215,693	18.3	18.7
West North Central	3,815,681	4,104,942	74.6	74.7	772,315	948,084	16.2	18.0
Minnesota	742,947	791,553	75.3	74.1	164,066	201,294	18.4	20.0
Iowa	717,377	749,008	73.2	73.5	141,321	163,824	15.2	16.6
Missouri	1,072,545	1,158,060	77.4	77.5	244,615	299,994	18.1	20.1
North Dakota	178,754	204,060	70.9	72.4	28,328	36,257	13.0	14.8
South Dakota	186,885	210,315	72.2	73.1	29,686	37,363	13.3	14.6
Nebraska	385,202	417,123	72.9	73.5	71,789	89,899	14.8	16.7
Kansas	531,881	574,823	73.8	74.0	92,510	119,453	13.7	16.1
South Atlantic	4,096,041	4,579,014	77.5	75.6	1,243,953	1,478,524	23.8	24.1
Delaware	73,122	77,153	79.7	77.0	18,102	20,951	20.8	21.7
Maryland	466,257	514,611	80.0	77.3	137,221	158,295	23.8	24.0
Dist. of Columbia	143,401	154,832	82.6	78.3	92,626	88,977	45.5	40.2
Virginia	677,366	697,555	76.4	74.3	156,210	182,721	18.1	19.6
West Virginia	433,677	487,705	76.0	72.4	57,439	82,754	11.2	13.2
North Carolina	693,155	867,807	75.5	74.7	202,697	273,322	21.9	23.0
South Carolina	468,601	480,843	77.6	76.4	205,656	206,878	33.4	31.2
Georgia	840,412	849,852	78.6	77.4	288,745	312,322	26.7	27.4
Florida	300,050	448,606	77.7	76.1	85,262	150,404	23.3	25.7
East South Central	2,608,411	2,907,152	77.9	77.1	702,433	829,430	21.1	21.9
Kentucky	719,629	759,966	77.1	75.0	131,493	147,200	14.5	14.8
Tennessee	677,988	762,321	76.5	75.7	152,108	195,888	17.2	19.2
Alabama	684,348	771,918	79.5	78.1	223,868	254,402	25.8	25.1
Mississippi	526,446	612,947	78.7	80.5	194,964	231,940	29.1	30.3
West South Central	3,049,275	3,654,478	76.2	78.1	686,973	864,264	17.8	18.6
Arkansas	518,754	548,373	77.7	76.1	115,810	119,497	18.2	17.1
Louisiana	528,507	623,787	77.2	77.3	152,726	191,938	22.4	23.5
Oklahoma	586,834	698,218	73.6	73.2	94,594	129,811	13.2	14.6
Texas	1,415,180	1,784,100	76.6	76.9	303,843	423,018	17.8	19.0
Mountain	1,077,774	1,159,205	77.1	74.9	177,220	235,902	15.2	17.3
Montana	185,905	184,117	78.9	76.5	28,278	32,354	15.2	16.7
Idaho	135,950	139,872	75.5	74.1	17,509	22,351	12.0	13.9
Wyoming	72,134	79,690	81.7	78.8	9,402	12,761	15.0	16.4
Colorado	303,870	321,718	76.8	74.9	62,587	81,176	17.8	20.0
New Mexico	107,090	120,687	74.5	73.4	14,941	22,179	12.1	14.8
Arizona	112,193	135,209	78.1	75.0	18,386	30,095	16.4	19.5
Utah	127,418	140,953	74.0	71.2	21,783	29,060	13.7	15.4
Nevada	33,214	36,959	84.3	81.2	4,334	5,926	17.7	19.4
Pacific	1,979,671	2,808,230	79.8	77.5	434,039	787,232	20.4	23.2
Washington	485,767	537,716	80.3	77.0	92,900	127,097	18.7	20.7
Oregon	267,791	328,359	78.1	77.6	54,492	81,321	18.4	21.4
California	1,226,113	1,942,155	80.0	77.7	286,647	558,814	21.4	24.2

Source: Bureau of the Census, Department of Commerce.

No. 48.—PERSONS 10 YEARS OF AGE AND OVER ENGAGED IN

NOTE.—For total number of males and females gainfully employed, see Table 47. The 1930 data by indus as in the 1930 census returns persons engaged in clerical occupations, who were given a separate classifi fication of a number of industries

Division and State	Male								
	Agriculture	Forestry and fishing	Extraction of minerals	Manufacturing and mechanical industries	Transportation	Trade	Public service (not elsewhere classified)	Professional service	Domestic and personal service
Continental United States	9,568,347	286,378	1,147,770	11,901,247	3,990,875	5,820,642	934,581	1,663,049	1,662,707
New England	206,744	32,810	10,021	1,196,793	241,443	419,133	78,890	119,818	121,723
Maine	50,010	9,505	2,178	80,787	27,080	30,859	6,418	8,950	8,342
New Hampshire	21,508	2,311	378	66,466	14,118	17,420	3,158	5,761	5,610
Vermont	37,244	785	2,705	34,560	11,792	12,295	2,881	3,704	3,224
Massachusetts	53,922	7,865	2,775	632,100	129,405	241,653	45,464	70,048	70,630
Rhode Island	8,638	1,082	442	117,445	16,864	34,416	7,494	8,932	10,060
Connecticut	35,422	1,262	1,043	265,435	42,184	82,490	13,480	22,423	23,848
Middle Atlantic	586,920	14,052	343,717	3,388,328	995,169	1,576,977	225,414	428,420	491,894
New York	260,522	5,410	12,988	1,582,869	509,615	897,122	122,021	245,555	316,032
New Jersey	62,230	2,914	4,909	598,057	158,815	255,012	37,726	63,175	67,365
Pennsylvania	244,168	5,728	325,820	1,207,400	326,739	424,843	65,667	119,690	108,497
East North Central	1,414,080	27,229	166,898	3,271,622	852,732	1,248,298	166,059	348,652	316,417
Ohio	303,761	2,388	46,116	904,296	234,884	318,358	40,077	90,364	77,655
Indiana	244,070	1,414	23,882	375,474	106,700	137,895	17,839	43,837	32,869
Illinois	344,071	2,509	66,579	919,801	299,882	455,440	53,523	119,691	126,056
Michigan	241,242	13,253	26,903	751,460	133,216	216,189	37,376	50,158	54,714
Wisconsin	280,936	7,665	4,318	320,591	78,050	120,416	17,244	35,602	25,123
West North Central	1,652,856	11,981	66,625	799,615	452,635	606,779	79,653	174,087	135,432
Minnesota	294,405	6,570	14,375	166,063	88,253	122,533	16,213	35,427	26,063
Iowa	324,144	800	9,472	136,376	81,394	107,792	12,931	30,933	20,644
Missouri	358,395	3,955	19,411	300,377	130,687	188,875	22,217	49,469	50,460
North Dakota	130,857	44	1,244	15,098	16,362	21,613	2,487	7,510	3,968
South Dakota	127,608	239	1,960	19,863	16,341	23,047	3,482	8,357	4,261
Nebraska	193,419	166	799	62,245	46,177	62,182	7,652	18,073	12,690
Kansas	224,028	207	19,364	99,593	73,421	80,737	14,671	24,318	17,346
South Atlantic	1,678,069	55,245	155,011	1,150,335	414,321	539,355	149,052	162,989	169,650
Delaware	16,753	365	94	29,459	10,209	9,775	2,564	2,684	2,773
Maryland	81,518	6,103	5,640	182,182	66,496	83,716	23,456	23,924	23,184
Dist. of Columbia	1,069	62	160	36,514	17,712	31,232	32,580	14,925	16,209
Virginia	252,664	11,575	17,253	167,225	79,082	79,328	29,058	22,754	22,934
West Virginia	112,719	5,478	120,195	107,288	49,202	45,970	5,864	17,611	12,108
North Carolina	429,243	9,323	3,646	214,660	49,774	82,485	12,228	24,534	25,955
South Carolina	256,046	3,564	1,156	111,822	28,363	41,084	8,541	11,637	11,616
Georgia	412,029	5,626	4,164	188,418	63,455	91,285	20,654	23,635	27,700
Florida	116,028	13,150	2,703	112,767	50,528	74,480	14,107	21,285	27,171
East South Central	1,492,175	21,114	118,149	520,122	228,605	279,132	37,189	80,088	80,693
Kentucky	342,645	2,251	66,617	127,590	70,621	76,958	11,041	24,664	21,412
Tennessee	346,004	4,556	15,967	160,603	68,642	88,580	10,922	23,902	26,477
Alabama	388,346	5,998	34,787	160,783	53,947	70,285	9,581	18,396	19,712
Mississippi	415,180	8,309	778	71,146	35,395	43,309	5,645	13,136	13,092
West South Central	1,640,831	30,153	127,644	606,225	340,735	465,550	75,381	124,258	137,043
Arkansas	336,529	7,324	9,005	68,679	37,393	47,243	5,039	14,670	12,503
Louisiana	249,045	13,791	8,903	129,211	72,546	78,355	12,123	18,610	24,785
Oklahoma	293,288	2,266	58,690	102,759	55,842	93,375	14,457	28,174	24,950
Texas	761,969	6,772	50,956	305,576	174,954	246,077	43,762	62,804	74,715
Mountain	416,097	13,515	95,600	186,284	138,481	146,663	28,761	52,680	41,772
Montana	77,523	2,924	17,540	25,153	21,767	18,965	3,755	6,545	5,357
Idaho	64,121	5,924	6,454	19,813	12,857	14,909	2,076	5,663	3,514
Wyoming	29,804	837	7,884	10,530	11,425	7,166	4,216	2,985	2,564
Colorado	102,086	1,332	19,890	60,214	38,409	51,135	7,576	16,847	13,308
New Mexico	56,748	1,229	7,933	12,711	14,974	11,011	1,651	4,974	3,807
Arizona	36,759	870	17,444	23,665	15,165	18,981	5,418	6,673	5,909
Utah	40,313	270	12,435	28,718	17,211	20,541	3,323	7,257	5,067
Nevada	8,743	129	6,020	5,460	6,673	3,955	736	1,736	2,246
Pacific	500,575	70,777	64,105	781,945	326,254	535,755	94,192	172,057	168,083
Washington	99,523	35,745	6,768	158,971	66,166	86,401	17,688	24,766	22,117
Oregon	78,869	20,981	2,607	88,292	40,503	50,667	6,896	15,647	12,953
California	322,183	14,051	54,730	534,682	219,595	401,687	69,608	131,644	133,013

Source: Bureau of the Census, Department of Commerce.

GAINFUL OCCUPATIONS: By Industry Groups and States, 1930

try groups shown in the following table are not comparable with those for 1910 and 1920 given in Table 45, cation at prior censuses, were distributed among the various groups and changes were made in the classi-

Male—Contd.	Female										
Industry not specified	Agriculture	Forestry and fishing	Extraction of minerals	Manufacturing and mechanical industries	Transportation	Trade	Public service (not elsewhere classified)	Professional service	Domestic and personal service	Industry not specified	Division and State
1,097,701	913,976	3,249	10,294	2,416,283	447,730	1,716,384	123,323	1,762,795	3,149,391	235,364	U. S.
70,601	6,582	166	140	371,608	32,642	142,570	9,498	147,679	214,819	17,680	N. E.
15,870	1,509	65	17	21,219	2,805	8,886	647	12,411	19,991	1,073	Me.
5,396	583	19	10	22,107	1,488	5,058	353	7,702	11,961	764	N. H.
3,572	897	7	13	5,573	1,419	3,916	308	5,782	10,349	164	Vt.
30,583	2,093	62	79	205,346	18,950	83,753	5,907	83,715	118,278	11,785	Mass.
3,843	235	5	5	45,412	2,014	10,824	666	10,253	16,243	1,295	R. I.
11,337	1,265	8	16	70,951	5,966	30,133	1,617	27,816	37,997	2,599	Conn.
283,572	16,973	142	2,133	799,991	125,955	462,594	24,155	422,632	690,391	98,211	M. A.
152,235	7,457	55	372	399,695	72,865	250,182	12,695	232,553	373,516	69,315	N. Y.
44,216	2,241	20	105	138,228	20,134	74,315	3,794	62,466	103,127	13,276	N. J.
87,121	7,275	67	1,656	262,068	32,956	138,097	7,665	127,603	213,748	15,620	Pa.
220,350	38,909	282	1,279	524,772	105,557	395,108	20,032	354,889	577,247	52,622	E. N. C
56,981	8,457	22	365	143,873	24,896	101,217	5,330	92,543	154,950	9,405	Ohio.
31,183	6,080	21	152	65,041	9,701	42,290	2,300	40,582	66,007	3,840	Ind.
80,092	8,453	26	331	178,268	44,339	147,456	5,807	113,816	191,795	26,940	Ill.
34,186	6,721	135	372	82,329	17,095	67,083	4,327	66,390	108,258	7,991	Mich.
23,908	9,198	78	59	55,261	9,526	37,062	2,268	41,558	56,237	4,446	Wis.
125,279	45,492	141	725	147,353	43,565	178,219	10,232	215,706	289,925	11,726	W. N. C.
21,651	9,417	98	145	29,716	9,927	40,147	2,173	46,846	60,789	2,036	Minn.
24,522	7,008	8	52	21,247	8,388	31,278	1,732	43,408	48,677	2,026	Iowa.
34,214	12,856	22	193	70,410	14,692	56,145	2,370	47,410	91,389	4,607	Mo.
4,877	3,594	-------	5	1,748	1,593	4,317	579	11,504	12,548	369	N. D.
5,157	3,178	6	18	2,366	1,595	5,855	659	11,900	11,439	347	S. D.
13,720	3,923	4	13	8,460	5,310	17,368	1,136	24,640	27,693	1,352	Nebr.
21,138	5,516	3	209	13,406	7,060	23,109	1,583	20,998	37,390	1,089	Kans.
104,487	289,523	621	845	272,751	35,515	134,507	31,191	178,946	515,635	16,090	S. A.
2,477	588	6	2	5,793	622	3,075	244	2,933	7,116	572	Del.
18,392	2,708	66	37	40,740	6,015	24,576	2,597	22,229	55,415	3,912	Md.
4,419	30	3	11	5,926	3,716	10,683	20,132	13,438	32,976	2,062	D. C.
15,682	18,172	92	79	36,982	5,903	19,392	2,638	28,165	69,643	1,655	Va.
11,270	5,443	71	588	14,044	3,338	12,133	900	18,032	27,132	1,073	W. Va.
15,959	70,680	109	26	71,585	4,194	16,708	1,255	31,168	75,481	2,116	N. C.
7,014	88,595	80	14	33,352	1,826	8,088	625	16,822	56,515	961	S. C.
12,887	85,687	81	50	48,357	6,281	21,872	1,310	28,299	118,543	1,842	Ga.
16,387	17,620	113	38	15,972	3,620	17,980	1,490	18,860	72,814	1,897	Fla.
49,885	293,243	282	601	94,134	18,576	68,890	4,292	87,587	255,843	5,982	E. S. C.
16,177	15,930	27	334	25,692	6,403	21,447	1,247	23,207	50,860	2,053	Ky.
16,668	30,619	38	72	36,435	5,505	21,445	1,192	25,551	73,026	1,945	Tenn.
10,083	104,472	66	172	24,636	3,798	15,849	1,201	22,494	80,517	1,197	Ala.
6,957	142,222	151	23	7,371	2,810	10,149	652	16,335	51,440	787	Miss.
106,658	189,161	316	2,857	70,829	31,064	112,680	7,149	130,200	310,483	9,525	W. S. C.
9,898	48,083	106	69	5,807	3,072	10,663	711	14,466	35,601	919	Ark.
15,828	48,194	126	201	17,625	4,961	19,854	1,091	20,792	77,402	1,692	La.
24,417	12,852	19	1,520	9,194	6,370	22,360	1,782	27,626	46,169	1,919	Okla.
56,515	80,032	65	1,067	38,203	16,661	59,803	3,565	67,316	151,311	4,995	Tex.
39,382	14,102	255	690	24,388	12,056	41,829	4,267	58,598	76,124	3,593	Mt.
4,588	2,155	54	115	1,829	1,612	5,338	714	9,257	10,845	435	Mont.
4,541	1,440	94	60	1,607	1,177	4,038	499	6,404	6,618	354	Idaho.
2,279	1,023	12	63	569	736	1,750	310	3,850	4,348	100	Wyo.
10,921	4,148	34	155	8,571	4,450	16,004	1,140	19,391	25,984	1,299	Colo.
5,649	2,223	32	50	3,237	785	2,483	331	4,942	7,813	283	N. M.
4,325	1,038	15	122	4,580	1,035	4,677	600	6,368	10,246	514	Ariz.
5,818	970	12	86	3,738	1,917	6,526	524	6,799	7,973	515	Utah.
1,261	205	2	39	257	344	1,013	149	1,527	2,297	93	Nev.
91,487	19,991	1,044	1,024	110,482	37,800	178,987	12,507	165,558	218,924	19,935	Pac.
19,581	4,771	515	94	15,932	6,612	29,387	1,829	26,820	38,074	3,063	Wash.
10,944	3,162	377	37	11,189	4,167	17,226	1,247	18,528	24,076	1,312	Oreg.
60,962	12,058	152	893	83,341	27,021	133,374	9,431	120,210	156,774	15,560	Calif.

No. 49.—PERSONS 10 YEARS OF AGE AND OVER ENGAGED IN EACH SPECIFIED OCCUPATION: CONTINENTAL UNITED STATES, 1920

NOTE.—Data for 1930 are not yet available

Occupation	Total	Male	Female	Native white	Foreign-born white	Negro
All occupations	41, 614, 248	33, 064, 737	8, 549, 511	28, 869, 488	7, 746, 460	4, 824, 151
Agriculture, forestry, and animal husbandry	10, 953, 158	9, 868, 030	1, 084, 128	7, 768, 257	931, 561	2, 178, 888
Dairy farmers, farmers, and stock raisers	6, 201, 261	5, 947, 425	253, 836	4, 994, 494	555, 047	925, 192
Dairy farm, farm, and stock farm laborers	4, 041, 627	3, 248, 712	792, 915	2, 602, 069	217, 643	1, 192, 504
Dairy farm, farm, garden, orchard, etc., foremen	93, 048	78, 708	14, 340	80, 389	9, 141	3, 102
Fishermen and oystermen	52, 836	52, 457	379	32, 763	12, 811	5, 765
Foresters, forest rangers, and timber cruisers	3, 653	3, 651	2	3, 254	379	1
Gardeners, florists, fruit growers, and nurserymen	169, 399	160, 116	9, 283	118, 814	37, 709	6, 813
Garden, greenhouse, orchard, and nursery laborers	137, 010	127, 589	9, 421	70, 607	38, 834	18, 294
Lumbermen, raftsmen, and woodchoppers	205, 315	205, 036	279	125, 442	51, 344	25, 487
Owners and managers of log and timber camps	8, 410	8, 397	13	6, 979	1, 268	122
Poultry raisers and poultry-yard laborers	18, 715	15, 379	3, 336	14, 016	4, 232	363
All other pursuits	21, 884	21, 560	324	17, 340	3, 153	1, 245
Extraction of minerals	1, 060, 223	1, 057, 359	2, 864	637, 934	377, 138	73, 229
Foremen, overseers, and inspectors	36, 931	36, 923	8	27, 607	8, 702	598
Operators, officials, and managers	34, 325	34, 143	182	30, 322	3, 939	26
Coal mine operatives	733, 936	732, 441	1, 495	399, 743	278, 615	54, 597
Copper mine operatives	36, 054	35, 918	136	13, 116	22, 643	73
Gold and silver mine operatives	32, 700	32, 666	34	20, 232	12, 113	86
Iron mine operatives	38, 704	38, 605	99	9, 289	24, 065	5, 344
Lead and zinc mine operatives	20, 798	20, 749	49	17, 280	3, 220	230
Other and not specified mine operatives	20, 591	20, 533	58	12, 097	4, 460	3, 976
Quarry operatives	45, 162	45, 084	78	24, 112	14, 675	6, 326
Oil and gas well operatives	85, 550	85, 303	247	81, 223	2, 508	1, 703
Salt well and works operatives	5, 472	4, 994	478	2, 913	2, 198	220
Manufacturing and mechanical industries	12, 818, 524	10, 888, 183	1, 930, 341	8, 274, 827	3, 634, 249	886, 810
Apprentices to building and hand trades	73, 953	73, 897	56	66, 100	6, 557	1, 267
Apprentices to dressmakers and milliners	4, 326	17	4, 309	3, 459	657	204
Apprentices, other	65, 898	60, 532	5, 366	58, 839	6, 158	855
Bakers	97, 940	93, 347	4, 593	41, 002	53, 606	3, 104
Blacksmiths, forgemen, and hammermen	221, 421	221, 416	5	154, 820	57, 500	8, 886
Boiler makers	74, 088	74, 088		55, 150	17, 492	1, 398
Brick and stone masons	131, 264	131, 257	7	73, 592	47, 005	10, 000
Builders and building contractors	90, 109	90, 030	79	68, 708	19, 922	1, 474
Cabinetmakers	45, 511	45, 503	8	20, 818	24, 207	456
Carpenters	887, 379	887, 208	171	631, 178	221, 303	34, 243
Compositors, linotypers, and type setters	140, 165	128, 859	11, 306	117, 632	20, 833	1, 540
Coopers	19, 066	19, 061	5	10, 536	6, 393	2, 191
Dressmakers and seamstresses (not in factory)	235, 855	336	235, 519	170, 849	37, 707	26, 978
Dyers	15, 109	14, 978	131	6, 158	8, 645	298
Electricians	212, 964	212, 945	19	186, 190	25, 362	1, 342
Electrotypers, stereotypers, and lithographers	13, 716	13, 530	186	11, 123	2, 507	78
Engineers (stationary), cranemen, hoistmen, etc	270, 984	270, 940	44	220, 099	53, 279	6, 353
Engravers	15, 053	14, 492	561	11, 667	3, 337	45
Filers, grinders, buffers, and polishers (metal)	59, 785	57, 315	2, 470	37, 602	21, 235	936
Firemen (except locomotive and fire department)	143, 875	143, 862	13	75, 202	45, 293	23, 153
Foremen and overseers (manufacturing)	307, 413	277, 242	30, 171	237, 725	66, 226	3, 287
Furnacemen, smeltermen, heaters, pourers, etc	40, 806	40, 800	6	23, 210	14, 333	3, 236
Glass blowers	9, 144	9, 055	89	7, 161	1, 937	45
Jewelers, watchmakers, goldsmiths, and silversmiths	39, 592	37, 914	1, 678	25, 788	13, 151	528

No. 49.—Persons 10 Years of Age and Over Engaged in Each Specified Occupation: Continental United States, 1920—Continued

Occupation	Total	Male	Female	Native white	Foreign-born white	Negro
Manufacturing and mechanical industries—Continued.						
Laborers (n. o. s.[1]):						
Building, general, and not specified laborers	623,203	608,075	15,128	332,990	151,165	134,828
Chemical and allied industries	74,289	70,994	3,295	29,135	27,487	17,486
Fertilizer factories	12,943	12,808	135	1,624	1,688	9,615
Paint and varnish factories	4,841	4,677	164	2,308	2,012	518
Powder, cartridge, dynamite, fuse, and fireworks factories	8,467	7,821	646	5,165	2,407	879
Soap factories	4,715	4,346	369	2,156	2,220	338
Other chemical factories	43,323	41,342	1,981	17,882	19,160	6,136
Cigar and tobacco factories	35,157	21,295	13,862	11,720	2,087	21,334
Clay, glass, and stone industries	124,544	120,215	4,329	69,991	35,698	18,753
Brick, tile, and terra-cotta factories	48,636	48,099	537	25,575	12,940	10,094
Glass factories	28,937	26,461	2,476	18,563	6,859	3,503
Lime, cement, and artificial stone factories	30,051	29,884	167	14,450	11,629	3,917
Marble and stone yards	5,084	5,061	23	2,871	1,615	597
Potteries	11,836	10,710	1,126	8,532	2,655	642
Clothing industries	12,776	6,414	6,362	8,492	2,847	1,407
Corset factories	771	194	577	558	210	3
Glove factories	1,757	899	858	1,450	284	21
Hat factories (felt)	989	825	164	534	421	34
Shirt, collar, and cuff factories	2,708	1,317	1,391	2,018	358	310
Suit, coat, cloak, and overall factories	3,984	2,219	1,765	2,218	844	917
Other clothing factories	2,567	960	1,607	1,714	730	122
Food industries	159,535	143,397	16,138	81,813	47,948	27,730
Bakeries	8,315	6,869	1,446	4,631	2,535	1,139
Butter, cheese, and condensed milk factories	15,190	14,174	1,016	12,217	2,564	397
Candy factories	6,584	4,398	2,186	3,984	1,896	699
Fish curing and packing	6,300	5,261	1,039	2,774	1,008	1,453
Flour and grain mills	18,121	17,983	138	12,190	3,353	2,564
Fruit and vegetable canning, etc	13,068	9,743	3,315	8,121	3,311	913
Slaughter and packing houses	59,548	55,436	4,112	22,219	22,522	14,080
Sugar factories and refineries	15,733	15,414	319	6,898	7,024	1,749
Other food factories	16,686	14,119	2,567	8,779	3,735	4,136
Harness and saddle industries	1,885	1,727	158	1,480	252	150
Helpers in building and hand trades	63,519	63,412	107	35,365	14,877	13,223
Iron and steel industries	729,613	717,022	12,591	294,139	328,800	105,641
Agricultural implement factories	11,409	11,292	117	5,784	4,812	809
Automobile factories	83,341	80,874	2,467	37,804	39,031	6,430
Blast furnaces and steel rolling mills (including tinplate mills)	258,830	256,548	2,282	82,815	133,440	42,445
Car and railroad shops	53,643	53,280	363	25,723	18,697	8,968
Ship and boat building	69,196	68,917	279	28,828	22,821	17,149
Wagon and carriage factories	9,817	9,594	223	6,693	1,832	1,291
Other iron and steel factories [2]	179,607	173,734	5,873	86,094	77,310	16,121
Not specified metal industries	63,770	62,783	987	20,308	30,848	12,438
Other metal industries	67,887	62,771	5,116	30,202	33,379	3,996
Brass mills	18,485	17,614	871	5,614	11,802	1,065
Clock and watch factories	3,108	1,929	1,179	2,219	866	23
Copper factories	10,963	10,908	55	3,019	7,346	377
Gold, silver, and jewelry factories	3,693	3,316	377	2,068	1,483	92
Lead and zinc factories	8,927	8,859	68	4,631	3,666	615
Tinware, enamelware, etc., factories	17,605	15,436	2,169	10,460	6,215	919
Other metal factories	5,106	4,709	397	2,191	2,001	905
Lumber and furniture industries	320,613	309,874	10,739	170,246	40,963	106,276
Furniture factories	35,272	32,600	2,672	24,100	8,550	2,600
Piano and organ factories	5,321	4,596	725	3,158	2,011	151
Saw and planing mills [3]	245,683	241,334	4,349	121,537	25,077	99,039
Other woodworking factories	34,337	31,344	2,993	21,451	5,325	7,486
Paper and pulp mills	52,263	49,786	2,477	31,947	17,293	2,926
Printing and publishing	11,436	8,886	2,550	7,926	2,250	1,244
Shoe factories	19,210	14,194	5,016	14,090	4,775	344
Tanneries	27,480	26,703	777	12,487	12,466	2,503
Textile industries—						
Carpet mills	3,953	3,378	575	1,952	1,922	79
Cotton mills	76,315	59,646	16,669	47,537	15,954	12,816
Knitting mills	11,943	6,603	5,340	9,115	1,869	957
Lace and embroidery mills	944	677	267	578	341	25

[1] Not otherwise specified. [2] Includes iron foundries. [3] Includes box factories (wood).

No. 49.—Persons 10 Years of Age and Over Engaged in Each Specified Occupation: Continental United States, 1920—Continued

Occupation	Total	Male	Female	Native white	Foreign-born white	Negro
Manufacturing and mechanical industries—Continued.						
Laborers—Continued.						
Textile industries—Continued.						
Silk mills	10,080	7,350	2,730	6,728	3,075	277
Textile dyeing, finishing, and printing mills	10,605	9,885	720	5,357	4,713	531
Woolen and worsted mills	22,227	18,238	3,989	10,056	11,811	339
Other textile mills	17,243	14,564	2,679	8,527	6,673	2,023
Other industries	463,801	426,308	37,493	220,551	156,430	86,284
Broom and brush factories	2,800	2,407	393	1,971	560	244
Button factories	1,407	1,093	314	838	534	35
Electric light and power plants	15,417	15,255	162	9,364	3,790	2,243
Electrical supply factories	26,789	23,562	3,227	13,894	11,625	1,247
Gas works	18,845	18,787	58	7,576	7,972	3,288
Leather belt, leather case, etc., factories	3,578	3,274	304	1,427	1,897	254
Liquor and beverage industries	10,530	10,295	235	5,041	3,893	1,586
Paper-box factories	3,384	2,401	983	2,319	916	148
Petroleum refineries	31,795	31,566	229	16,160	10,826	4,707
Rubber factories	51,467	47,515	3,952	28,782	20,856	1,817
Straw works	577	513	64	293	254	30
Other and not specified industries	297,302	269,730	27,572	132,886	93,302	70,625
Loom fixers	15,961	15,958	3	8,749	7,182	29
Machinists, millwrights, and toolmakers	894,662	894,654	8	665,875	218,049	10,286
Machinists	801,901	801,896	5	599,030	192,090	9,753
Millwrights	37,669	37,669	----------	27,345	9,938	376
Toolmakers and die setters and sinkers	55,092	55,089	3	38,900	16,021	158
Managers and superintendents (manufacturing)	201,721	196,771	4,950	173,161	28,316	163
Manufacturers and officials	231,615	223,289	8,326	158,428	72,713	354
Mechanics (n. o. s.[1])	281,741	281,690	51	232,319	39,826	9,290
Millers (grain, flour, feed, etc.)	23,272	23,265	7	20,554	2,339	367
Milliners and millinery dealers	73,255	6,657	66,598	60,710	11,944	590
Molders, founders, and casters (metal)	123,681	123,668	13	66,664	50,343	6,634
Oilers of machinery	24,612	24,568	44	16,772	6,777	1,027
Painters, glaziers, and varnishers (building)	248,497	248,394	103	177,076	63,281	8,034
Painters, glaziers, enamelers, etc. (factory)	74,535	71,303	3,232	51,984	21,107	1,398
Paper hangers	18,746	18,338	408	14,043	3,745	954
Pattern and model makers	27,720	27,663	57	21,162	6,509	48
Plasterers and cement finishers	45,876	45,870	6	25,790	12,979	7,082
Plumbers and gas and steam fitters	206,718	206,715	3	170,034	33,107	3,516
Pressmen and plate printers (printing)	18,683	18,683	----------	16,416	2,156	101
Rollers and roll hands (metal)	25,061	25,061	----------	15,924	8,390	736
Roofers and slaters	11,378	11,378	----------	7,970	2,795	609
Sawyers	*33,809*	*33,800*	9	26,609	4,367	2,755
Semiskilled operatives (n. o. s.[1]):						
Chemical and allied industries	50,341	32,072	18,269	36,143	11,892	2,253
Fertilizer factories	1,407	1,352	55	616	185	603
Paint and varnish factories	5,521	4,686	835	3,673	1,631	216
Powder, cartridge, dynamite, fuse, and fireworks factories	7,379	4,811	2,568	5,567	1,635	151
Soap factories	6,288	3,239	3,049	4,618	1,545	121
Other chemical factories	29,746	17,984	11,762	21,669	6,396	1,162
Cigar and tobacco factories	145,222	61,262	83,960	86,372	38,923	19,849
Clay, glass, and stone industries	85,434	72,269	13,165	62,113	19,697	3,551
Brick, tile, and terra-cotta factories	9,987	9,357	630	6,327	2,656	1,004
Glass factories	44,831	37,636	7,195	34,464	8,851	1,506
Lime, cement, and artificial-stone factories	7,633	7,426	207	4,380	2,616	625
Marble and stone yards	5,546	5,478	68	3,138	2,191	217
Potteries	17,437	12,372	5,065	13,804	3,383	199
Clothing industries	409,361	143,718	265,643	218,816	176,409	13,888
Corset factories	12,642	1,115	11,527	9,905	2,690	47
Glove factories	23,357	6,584	16,773	18,475	4,772	99
Hat factories (felt)	21,178	14,716	6,462	13,699	7,304	173
Shirt, collar, and cuff factories	52,377	10,361	42,016	30,873	10,981	1,431
Suit, coat, cloak, and overall factories	143,872	79,357	64,515	53,435	83,075	7,287
Other clothing factories	155,935	31,585	124,350	83,429	67,587	4,851

[1] Not otherwise specified.

No. 49.—Persons 10 Years of Age and Over Engaged in Each Specified Occupation: Continental United States, 1920—Continued

Occupation	Total	Male	Female	Native white	Foreign-born white	Negro
Manufacturing and mechanical industries—Continued.						
Semiskilled operatives—Continued.						
Food industries	188,895	116,493	72,402	122,408	50,057	15,792
Bakeries	20,441	8,858	11,583	15,307	4,396	723
Butter, cheese, and condensed-milk factories	18,841	16,096	2,745	14,983	3,660	190
Candy factories	52,281	20,913	31,368	37,924	12,892	1,405
Fish curing and packing	7,586	4,363	3,223	2,972	1,069	3,191
Flour and grain mills	8,112	7,524	588	6,105	1,503	504
Fruit and vegetable canning, etc	10,204	3,898	6,306	7,267	2,335	494
Slaughter and packing houses	49,991	41,906	8,085	23,041	18,469	7,554
Sugar factories and refineries	3,806	3,144	662	2,386	1,258	161
Other food factories	17,633	9,791	7,842	11,523	4,475	1,570
Harness and saddle industries	18,135	17,573	562	13,478	4,384	255
Iron and steel industries	689,980	632,161	57,819	462,572	203,394	23,616
Agricultural implement factories	7,722	7,136	586	4,958	2,657	106
Automobile factories	121,164	108,376	12,788	85,013	34,331	1,726
Blast furnaces and steel rolling mills (including tinplate mills)	93,627	89,526	4,101	52,956	35,287	5,352
Car and railroad shops	97,979	97,003	976	68,617	25,664	3,619
Ship and boat building	97,666	97,175	491	65,440	25,886	6,200
Wagon and carriage factories	9,430	8,749	681	7,023	2,182	225
Other iron and steel factories [2]	245,450	209,112	36,338	168,126	71,095	5,580
Not specified metal industries	16,942	15,084	1,858	10,439	5,692	808
Other metal industries	91,291	60,844	30,447	62,744	27,297	1,234
Brass mills	17,482	13,576	3,906	10,124	7,102	254
Clock and watch factories	18,244	10,043	8,201	13,876	4,342	26
Copper factories	2,986	2,834	152	1,728	1,208	48
Gold, silver, and jewelry factories	21,322	13,378	7,944	15,102	6,074	139
Lead and zinc factories	2,464	2,186	278	1,777	627	60
Tinware, enamelware, etc., factories	19,356	12,167	7,189	14,025	4,748	580
Other metal factories	9,437	6,660	2,777	6,112	3,196	127
Lumber and furniture industries	168,719	150,079	18,640	116,442	41,824	9,598
Furniture factories	55,717	48,906	6,811	37,480	16,628	1,564
Piano and organ factories	19,852	16,949	2,903	12,102	7,592	157
Saw and planing mills [3]	57,320	54,016	3,304	42,123	8,567	6,269
Other woodworking factories	35,830	30,208	5,622	24,737	9,037	1,608
Paper and pulp mills	54,609	41,321	13,348	39,380	14,422	845
Printing and publishing	80,403	39,281	41,122	66,808	11,965	1,595
Shoe factories	206,225	132,813	73,412	148,044	55,941	1,306
Tanneries	32,226	28,598	3,628	15,940	15,305	971
Textile industries—						
Carpet mills	23,387	13,003	10,384	13,963	9,222	191
Cotton mills	302,454	153,269	149,185	206,250	92,534	3,649
Knitting mills	107,604	26,922	80,682	87,153	19,408	1,034
Lace and embroidery mills	19,083	6,086	12,997	10,948	7,906	227
Silk mills	115,721	42,953	72,768	84,595	30,703	328
Textile dyeing, finishing, and printing mills	17,736	12,154	5,582	10,940	6,477	305
Woolen and worsted mills	126,418	64,703	61,715	72,909	53,019	322
Other textile mills	79,994	34,944	45,050	49,798	25,850	1,631
Other industries	622,662	410,256	212,406	417,418	182,155	22,757
Broom and brush factories	12,906	10,219	2,687	9,152	2,796	617
Button factories	12,977	7,768	5,209	8,428	4,269	277
Electric light and power plants	15,949	15,610	339	13,407	2,164	370
Electrical supply factories	64,841	37,452	27,389	50,217	14,179	420
Gas works	9,462	9,294	168	6,782	2,351	327
Leather belt, leather case, etc., factories	17,189	12,809	4,380	9,012	7,857	318
Liquor and beverage industries	15,655	14,960	695	7,773	7,148	723
Paper-box factories	20,452	7,077	13,375	15,898	4,286	284
Petroleum refineries	8,891	8,229	662	6,727	1,900	257
Rubber factories	86,204	67,370	18,834	59,678	25,641	803
Straw factories	14,102	7,751	6,351	6,940	7,075	85
Other and not specified industries	344,334	211,717	132,617	223,404	102,489	18,192
Shoemakers and cobblers (not in factory)	78,859	78,599	260	25,600	48,284	4,707
Skilled occupations (n. o. s.) [1]	19,395	19,326	69	13,914	5,236	238
Annealers and temperers (metal)	2,913	2,910	3	1,728	1,133	51
Piano and organ tuners	7,047	7,007	40	5,624	1,346	77
Wood carvers	3,025	3,008	17	1,414	1,602	9
Other skilled occupations	6,410	6,401	9	5,148	1,155	101

[1] Not otherwise specified. [2] Includes iron foundries. [3] Includes box factories (wood).

No. 49.—Persons 10 Years of Age and Over Engaged in Each Specified Occupation: Continental United States, 1920—Continued

Occupation	Total	Male	Female	Native white	Foreign-born white	Negro
Manufacturing and mechanical industries—Continued.						
Stone cutters	22,099	22,096	3	10,863	10,955	280
Structural iron workers (building)	18,836	18,836	----------	13,704	4,920	196
Tailors and tailoresses	192,232	160,404	31,828	43,432	141,359	5,892
Tinsmiths and coppersmiths	74,968	74,957	11	53,715	20,259	970
Upholsterers	29,605	27,338	2,267	20,182	8,771	648
Transportation	3,063,582	2,850,528	213,054	2,195,579	547,613	312,421
Water transportation: [4]						
Boatmen, canalmen, and lock keepers	6,319	6,286	33	5,128	835	347
Captains, masters, mates, and pilots	26,320	26,318	2	17,678	8,325	307
Longshoremen and stevedores	85,028	85,005	323	20,803	37,633	27,337
Sailors and deck hands	54,332	54,300	32	27,008	20,214	7,232
Road and street transportation: [4]						
Carriage and hack drivers	9,057	8,966	91	6,401	1,346	1,298
Chauffeurs	285,045	284,096	949	202,987	43,095	38,573
Draymen, teamsters, and expressmen [5]	411,132	410,484	648	298,942	54,907	56,714
Foremen of livery and transfer companies	3,868	3,866	2	2,804	825	237
Garage keepers and managers	42,151	41,944	207	37,201	4,591	309
Hostlers and stable hands	18,976	18,973	3	10,321	4,482	4,147
Laborers (garage, road, and street)	158,482	158,204	278	76,714	45,381	35,829
Garage	31,450	31,339	111	21,691	3,630	6,047
Road and street building and repairing	115,836	115,673	163	51,165	35,880	28,318
Street cleaning	11,196	11,192	4	3,858	5,871	1,464
Livery-stable keepers and managers	11,240	11,168	72	9,469	1,565	193
Proprietors and managers of transfer companies	23,497	23,231	266	18,573	3,886	990
Railroad transportation: [4]						
Baggagemen and freight agents	16,819	16,789	30	14,746	1,589	482
Boiler washers and engine hostlers	25,805	25,271	34	16,037	5,417	3,517
Brakemen	114,107	114,107	----------	102,956	6,409	4,722
Conductors (steam railroad)	74,539	74,539	----------	66,016	5,487	33
Conductors (street railroad)	63,760	63,507	253	52,823	10,930	4
Foremen and overseers (steam railroad)	73,046	72,980	66	55,844	15,674	1,185
Foremen and overseers (street railroad)	6,248	6,236	12	4,663	1,507	74
Laborers (steam railroad)	470,199	463,613	6,586	214,030	153,453	97,979
Laborers (street railroad)	25,514	25,046	468	9,332	11,411	4,164
Locomotive engineers	109,899	109,899	----------	99,683	10,099	111
Locomotive firemen	91,345	91,345	----------	78,305	6,491	6,505
Motormen	66,519	66,499	20	49,851	16,653	6
Officials and superintendents	35,881	35,830	51	32,827	3,051	3
Switchmen, flagmen, and yardmen	111,565	111,000	565	91,131	16,800	3,598
Ticket and station agents	26,585	24,324	2,261	24,642	1,924	16
Express, post, telegraph, and telephone: [4]						
Agents (express companies)	5,293	5,193	100	5,038	250	4
Express messengers and railway mail clerks	25,005	24,996	9	23,015	1,083	904
Mail carriers	91,451	90,131	1,320	82,094	5,631	3,663
Telegraph and telephone linemen	37,917	37,905	12	34,670	2,860	377
Telegraph messengers	9,403	8,969	434	8,161	979	258
Telegraph operators	79,434	62,574	16,860	74,950	4,341	130
Telephone operators	190,160	11,781	178,379	181,589	7,816	718
Other transportation pursuits:						
Foremen and overseers (n. o. s.[1])	25,995	25,958	37	21,463	4,073	446
Road and street building and repairing	9,558	9,557	1	7,763	1,606	181
Telegraph and telephone	6,822	6,797	25	6,184	631	7
Other transportation	9,015	9,004	11	7,516	1,836	258
Inspectors (steam and street railroads)	46,172	46,120	52	37,445	8,495	229
Inspectors (other transportation)	4,051	3,728	323	3,656	395	10
Laborers (n. o. s.[1])	33,432	33,229	203	20,378	6,206	6,814
Express companies	9,089	9,067	22	6,019	1,574	1,486
Pipe lines	7,369	7,362	7	5,152	1,838	371
Telegraph and telephone	5,088	5,011	77	3,801	781	504
Water transportation	5,966	5,963	3	3,312	1,056	1,589
Other transportation	5,920	5,826	94	2,094	957	2,864
Proprietors, officials, and managers [1]	18,957	18,384	573	17,204	1,661	12
Telegraph and telephone	11,603	11,059	544	10,961	636	3
Other transportation	7,354	7,325	29	6,303	1,025	9

[1] *Not otherwise specified.*

[4] *Selected occupations.*

[5] Teamsters in agriculture, forestry, and extraction of minerals are classified with the other workers in those industries, and drivers for bakeries and laundries are classified with deliverymen in trade.

No. 49.—Persons 10 Years of Age and Over Engaged in Each Specified Occupation: Continental United States, 1920—Continued

Occupation	Total	Male	Female	Native white	Foreign-born white	Negro
Other transportation pursuits—Contd.						
Other occupations (semiskilled)	48,124	46,634	1,490	35,261	9,843	2,944
Steam railroad	28,621	27,916	705	21,548	4,568	2,439
Street railroad	9,259	9,088	171	6,239	2,837	181
Other transportation	10,244	9,630	614	7,474	2,438	324
Trade	**4,242,979**	**3,575,187**	**667,792**	**3,228,273**	**860,530**	**140,467**
Bankers, brokers, and money lenders	161,613	156,309	5,304	145,749	15,544	142
Bankers and bank officials	82,375	78,149	4,226	76,901	5,319	72
Commercial brokers and commission men	27,552	27,358	194	22,991	4,487	15
Loan brokers and pawnbrokers	5,473	5,321	152	4,441	1,014	10
Stock brokers	29,609	29,233	376	26,773	2,800	28
Brokers, not specified and promoters	16,604	16,248	356	14,643	1,924	17
Clerks in stores [6]	413,918	243,521	170,397	354,397	52,775	5,268
Commercial travelers	179,320	176,514	2,806	160,702	18,210	357
Decorators, drapers, window dressers	8,853	7,698	1,155	7,060	1,660	129
Deliverymen (bakeries, stores, and laundries)	170,235	170,039	196	117,867	27,794	24,398
Floorwalkers and foremen in stores	20,604	16,565	4,039	16,265	4,007	322
Foremen (warehouses, stockyards, etc.)	5,833	5,802	31	4,625	1,064	142
Inspectors, gagers, and samplers	13,714	12,683	1,031	10,420	2,313	977
Insurance agents	119,918	114,835	5,083	100,043	16,897	2,922
Officials of insurance companies	15,060	14,754	306	13,035	1,848	173
Laborers, coal yards	25,192	25,157	35	10,818	7,546	6,794
Laborers, elevators	11,312	11,244	68	8,148	2,004	1,158
Laborers, lumberyards	43,351	43,297	54	23,096	11,758	7,453
Laborers, stockyards	22,888	22,859	29	6,533	10,316	6,032
Laborers, warehouses	22,866	22,156	710	11,372	5,416	6,042
Laborers, porters, helpers in stores	125,007	116,602	8,405	57,311	26,044	40,885
Newsboys	27,961	27,635	326	24,600	2,220	1,115
Proprietors, officials, and managers [1]	34,776	33,715	1,061	30,002	4,425	268
Real estate agents and officials	149,135	139,927	9,208	123,147	24,495	1,369
Retail dealers [7]	1,328,275	1,249,295	78,980	873,094	424,881	23,526
Agricultural implements and wagons	7,789	7,760	29	6,723	1,060	2
Automobiles and accessories	28,708	28,626	142	25,585	3,117	45
Books and stationery	8,986	7,860	1,126	5,350	3,575	39
Boots and shoes	22,544	21,781	763	13,301	9,069	143
Butchers and meat dealers	122,105	120,940	1,165	71,122	47,708	3,099
Buyers and shippers of grain	7,305	7,288	17	6,586	713	4
Buyers and shippers of livestock	30,464	30,433	31	27,148	3,102	172
Buyers and shippers of other farm produce	10,540	10,507	33	9,672	801	38
Candy and confectionery	40,091	32,368	7,723	19,613	19,808	573
Cigars and tobacco	19,141	18,031	1,110	12,350	6,513	194
Clothing and men's furnishings	46,653	43,440	3,213	25,327	21,115	128
Coal and wood	26,556	26,057	499	18,509	6,279	1,754
Delicatessen stores	4,333	3,565	768	1,220	3,084	27
Department stores	11,752	10,800	952	9,456	2,246	34
Drugs and medicines, including druggists and pharmacists	80,157	76,995	3,162	68,501	10,519	910
Dry goods, fancy goods, and notions	63,909	56,158	7,751	37,402	25,688	262
5-and-10-cent and variety stores	5,968	4,899	1,069	4,624	1,321	13
Flour and feed	9,309	9,212	97	7,818	1,443	40
Fruit	23,385	22,185	1,200	5,585	17,403	216
Furniture	26,013	25,337	676	18,511	7,229	256
General stores	80,026	76,317	3,709	67,629	10,813	884
Groceries	239,236	216,059	23,177	148,544	82,542	6,339
Hardware, stoves, and cutlery	41,144	40,453	691	34,731	6,303	74
Hucksters and peddlers	50,402	48,493	1,909	15,389	31,434	3,194
Jewelry	21,433	20,652	781	14,428	6,853	96
Junk	22,749	22,596	153	5,272	16,332	1,132
Lumber	27,687	27,589	98	25,125	2,496	60
Milk	13,104	12,509	595	8,797	4,230	74
Music and musical instruments	7,909	7,360	549	6,272	1,601	32
Newsdealers	8,474	7,808	666	5,714	2,589	165
Oil, paint, and wall paper	6,577	6,298	279	4,950	1,612	12
Opticians	12,632	11,743	889	10,499	2,078	50
Produce and provisions	34,473	32,873	1,600	21,443	11,936	689
Other specified retail dealers	100,933	94,820	6,113	63,858	34,893	1,378
Not specified retail dealers	65,728	59,483	6,245	46,040	17,376	1,488
Salesmen and saleswomen	1,177,494	816,352	361,142	1,008,141	159,965	6,413
Auctioneers	5,048	5,045	3	4,319	714	13
Demonstrators	4,823	1,639	3,184	4,325	401	94
Sales agents	41,841	40,207	1,634	37,057	4,670	96
Salesmen and saleswomen (stores)	1,125,782	769,461	356,321	962,440	154,180	6,210

[1] Not otherwise specified. [6] Many of the "Clerks in stores" are probably "Salesmen and saleswomen."
[7] Includes also managers and superintendents of retail stores.

No. 49.—Persons 10 Years of Age and Over Engaged in Each Specified Occupation: Continental United States, 1920—Continued

Occupation	Total	Male	Female	Native white	Foreign-born white	Negro
Trade—Continued.						
Undertakers	24,469	23,342	1,127	20,772	2,134	1,558
Wholesale dealers, importers and exporters	73,574	72,780	794	50,136	22,871	67
Other pursuits (semiskilled)	67,611	52,106	15,505	50,040	14,343	2,957
Fruit graders and packers	8,074	4,988	3,086	6,348	1,191	353
Meat cutters	22,884	22,804	80	18,211	4,218	446
Packers, wholesale and retail trade	19,701	13,603	6,098	13,931	4,654	1,076
Other occupations	16,952	10,711	6,241	11,550	4,280	1,082
Public service (not elsewhere classified)	770,460	748,666	21,794	590,466	127,280	50,552
Firemen (fire department)	50,771	50,771		45,119	5,540	109
Guards, watchmen, and doorkeepers	115,553	115,154	399	75,071	35,814	4,568
Laborers (public service)	106,015	105,385	1,530	44,898	31,320	30,330
Marshals, sheriffs, detectives, etc.	32,214	30,968	1,246	28,521	3,341	323
Officials and inspectors (city)	33,505	31,918	1,587	29,222	4,200	77
Officials and inspectors (county)	22,092	18,830	3,262	20,695	1,370	18
Officials and inspectors (State)	9,126	8,596	530	8,384	734	4
Postmasters	31,935	20,727	11,208	30,235	1,557	*116*
Other United States officials	39,273	38,621	652	35,768	3,359	74
Policemen	82,120	81,884	236	67,062	13,854	999
Soldiers, sailors, and marines [8]	225,503	225,503		189,192	22,563	12,511
Other pursuits	21,453	20,309	1,144	16,359	3,528	1,423
Professional service	2,143,869	1,127,391	1,016,498	1,829,090	231,719	80,183
Actors	28,361	15,124	13,237	22,581	4,558	1,095
Showmen	19,811	18,694	1,117	16,054	2,811	878
Architects	18,185	18,048	137	15,213	2,905	50
Artists, sculptors, and teachers of art	35,402	20,785	14,617	27,549	7,479	259
Authors	6,668	3,662	3,006	5,716	872	64
Editors and reporters	34,197	28,467	5,730	30,335	3,492	251
Chemist, assayers, and metallurgists	32,941	31,227	1,714	27,880	4,788	202
Clergymen	127,270	125,483	1,787	80,540	26,891	19,577
College presidents and professors [9]	33,407	23,332	10,075	29,260	3,053	1,061
Dentists	56,152	54,323	1,829	43,397	6,527	1,103
Designers, draftsmen, and inventors	70,651	62,987	7,664	56,617	13,839	149
Lawyers, judges, and justices	122,519	120,781	1,738	113,822	7,679	955
Librarians	15,297	1,795	13,502	14,430	788	60
Musicians and teachers of music	180,265	57,587	72,678	102,798	21,444	5,909
Osteopaths	5,030	3,367	1,663	4,382	424	212
Photographers	34,259	27,140	7,119	26,962	6,511	605
Physicians and surgeons	144,977	137,758	7,219	125,666	15,571	3,498
Teachers (athletics, dancing, etc.)	9,711	5,677	4,034	8,209	1,371	125
Teachers (*school*)	752,055	116,848	635,207	681,017	35,136	35,441
Technical engineers	136,121	136,080	41	119,889	15,941	184
Civil engineers and surveyors	64,660	64,642	18	58,786	5,743	85
Electrical engineers	27,077	27,065	12	24,041	2,944	68
Mechanical engineers [10]	37,689	37,678	11	31,208	6,326	31
Mining engineers	6,695	6,695		5,764	928	
Trained nurses	149,128	5,464	143,664	122,908	22,772	3,341
Veterinary surgeons	13,494	13,493	1	11,984	1,357	145
All other professional pursuits	19,721	13,950	5,771	16,419	2,983	117
Semiprofessional pursuits	116,555	70,626	45,929	93,504	19,821	2,888
Abstractors, notaries, and justices of peace	10,071	8,588	1,483	9,202	800	58
Healers (except osteopaths and physicians and surgeons)	14,774	6,872	7,902	11,013	3,042	606
Keepers of charitable and penal institutions	12,884	7,953	4,931	10,620	2,134	126
Officials of lodges, societies, etc.	11,736	9,574	2,162	9,558	1,833	276
Religious, charity, welfare workers	41,078	14,151	26,927	32,176	7,573	1,231
Theatrical owners, managers, and officials	18,395	17,138	1,257	15,139	3,054	175
All other occupations	7,617	6,350	1,267	5,796	1,385	416
Attendants and helpers (prof. service)	31,712	14,693	17,019	26,949	2,708	2,014
Domestic and personal service	3,404,892	1,217,968	2,186,924	1,526,930	769,193	1,064,590
Barbers, hairdressers, and manicurists	216,211	182,965	33,246	124,995	59,108	31,352
Billiard room, dance hall, skating rink, etc., keepers	24,897	24,655	242	16,134	6,913	1,582

[8] Includes only those resident in continental United States at the date of enumeration.
[9] Probably includes some teachers in schools below collegiate rank.
[10] Includes, also, all technical engineers not elsewhere classified.

No. 49.—Persons 10 Years of Age and Over Engaged in Each Specified Occupation: Continental United States, 1920—Continued

Occupation	Total	Male	Female	Native white	Foreign-born white	Negro
Domestic and personal service—Continued.						
Boarding and lodging house keepers	133,392	18,562	114,740	92,532	29,474	10,787
Bootblacks	15,175	15,142	33	2,049	7,556	5,560
Charwomen and cleaners	36,803	11,848	24,955	12,557	14,506	9,283
Elevator tenders	40,713	33,376	7,337	19,934	10,385	10,334
Hotel keepers and managers	55,683	41,449	14,134	41,039	12,834	1,020
Housekeepers and stewards	221,612	17,262	204,350	159,513	46,255	15,161
Janitors and sextons	178,628	149,590	29,038	78,604	54,910	44,110
Laborers (domestic and professional service)	32,803	31,224	1,669	17,212	10,009	5,485
Launderers and launderesses (not in laundry)	396,756	10,882	385,874	72,583	34,638	288,763
Laundry operatives [11]	120,715	39,968	80,747	63,253	19,397	25,332
Laundry owners, officials, and managers [11]	13,602	12,239	1,453	8,150	4,189	247
Midwives	4,773		4,773	806	2,476	1,437
Nurses (not trained)	151,906	19,338	132,658	110,071	28,024	13,708
Porters, domestic and professional service	43,208	42,929	279	8,268	9,083	25,405
Porters, steam railroad	22,513	22,486	27	1,504	745	20,224
Other porters (except in stores)	22,447	22,268	179	4,047	4,521	13,802
Restaurant, cafe, and lunch room keepers	87,987	72,343	15,644	47,503	30,456	7,511
Servants	1,270,946	258,813	1,012,133	486,618	285,634	481,590
Bell boys, chore boys, etc	17,231	16,472	759	7,166	2,445	7,293
Chambermaids	29,302	250	29,052	10,506	8,130	10,453
Coachmen and footmen	2,427	2,427		737	1,192	494
Cooks	398,475	129,857	268,618	104,677	80,877	202,435
Ladies' maids, valets, etc	5,791	1,268	4,523	3,082	2,003	548
Nursemaids	11,890	11	11,879	5,003	1,629	5,244
All other servants	805,830	108,528	697,302	355,357	189,263	255,123
Waiters	228,985	112,064	116,921	113,040	66,149	45,836
Other pursuits	84,967	78,475	6,492	46,509	31,841	5,971
Bartenders	26,085	25,976	109	14,125	11,349	573
Cleaners and renovators (clothing)	21,667	17,094	4,573	11,607	5,792	4,057
Hunters, trappers, and guides	7,332	7,288	44	5,998	595	304
Saloon keepers	17,835	17,312	523	6,941	10,791	96
All other occupations	12,048	10,805	1,243	7,838	3,314	851
Clerical occupations	3,126,541	1,700,425	1,426,116	2,820,107	267,177	37,011
Agents, canvassers, and collectors	175,772	159,941	15,831	154,180	19,877	1,566
Bookkeepers, cashiers, and accountants	734,088	375,564	359,124	664,923	66,578	2,364
Clerks (except clerks in stores)	1,487,905	1,015,742	472,163	1,332,767	136,649	17,437
Messenger, bundle, and office boys and girls [12]	113,022	98,768	14,254	91,034	8,577	13,332
Stenographers and typists	615,154	50,410	564,744	577,203	35,490	2,312

[11] Some of the owners of hand laundries probably are included with laundry operatives.
[12] Except telegraph messengers.

No. 50.—SHIFT IN OCCUPATIONS, 1880–1920 (ADJUSTED FIGURES), [1]

Occupation	Number (thousands)			Per cent		
	1880	1900	1920	1880	1900	1920
Total	17,392	29,073	41,854	100.0	100.0	100.0
Agriculture, lumbering, and fishing	8,596	10,889	11,393	49.4	37.5	27.2
Manufacturing, mechanical pursuits, and mining	4,449	7,451	13,809	25.6	29.1	33.0
Trade, transportation, and clerical work	2,122	5,444	10,383	12.2	18.7	24.8
Professional service	603	1,213	2,112	3.5	4.2	5.0
Domestic and personal service	1,622	3,076	4,157	9.3	10.6	9.9

[1] Owing to changes in the grouping of occupations according to great classes, in the definition of certain individual occupations, and in instructions to enumerators (especially as to reporting women and children), the census statistics as originally published require regrouping and also certain adjustments which must be made by estimate. The margin of possible error involved in these estimates is not sufficient to obscure the general nature of the shift which has taken place.

Source of Tables 49 and 50: Bureau of the Census; adjustments in Table 50 by *Division of Statistical Research, Bureau of Foreign and Domestic Commerce.*

No. 51.—RELIGIOUS BODIES: CHURCHES AND MEMBERS, BY DENOMINATIONS

NOTE: The names of many of the denominations have been somewhat abbreviated

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	226, 718	232, 154	41, 926, 854	54, 576, 346	8, 320, 785	36, 947, 013	9, 308, 548
Adventists (5 bodies)	2, 667	2, 576	114, 915	146, 177	3, 540	127, 467	15, 170
Baptist bodies	57, 828	60, 192	7, 153, 313	8, 440, 922	415, 798	6, 149, 474	1, 875, 650
Northern Baptist Convention	[1] 8, 319	7, 611	[1] 1, 244, 705	1, 289, 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, 543	536, 008
Negro Baptists [2]	21, 071	22, 081	2, 938, 579	3, 196, 623	178, 230	1, 921, 338	1, 097, 055
Free Will Baptists	750	1, 024	54, 833	79, 592	1, 190	65, 786	12, 616
Primitive Baptists	2, 142	2, 267	80, 311	81, 374	75	42, 283	39, 016
All other (13 bodies)	1, 966	3, 535	126, 015	268, 989	3, 578	192, 314	73, 097
Brethren, German Baptist (Dunkers) (5 bodies)	1, 283	1, 279	133, 626	158, 248	9, 769	137, 343	11, 136
Christian Church (Gen. Convention)	1, 263	1, 044	118, 737	112, 795	7, 411	93, 500	11, 884
Church of Christ Scientist	[3]	1, 913	[3]	202, 098		202, 098	
Church of the Nazarene	866	1, 444	32, 259	63, 558	3, 077	55, 991	4, 490
Churches of Christ	5, 570	6, 226	317, 937	433, 714			433, 714
Congregational Churches	[4] 5, 900	5, 028	[4] 809, 236	881, 696	16, 291	752, 534	112, 871
Disciples of Christ	8, 396	7, 648	1, 226, 028	1, 377, 595	87, 237	1, 148, 335	142, 023
Eastern Orthodox Churches	301	440	249, 840	259, 394	59, 913	186, 399	13, 082
Greek Orthodox Church	87	153	119, 871	119, 495	23, 020	87, 844	8, 631
Russian Orthodox Church	169	199	99, 681	95, 134	26, 003	65, 751	3, 380
All other (5 bodies)	45	94	30, 288	44, 765	10, 890	32, 804	1, 071
Evangelical Church	[5] 2, 592	2, 054	[5] 210, 530	206, 080	10, 410	186, 910	8, 760
Evangelical Synod of North America	1, 331	1, 287	339, 853	314, 518		314, 518	
Federated Churches	[3]	361	[3]	59, 977	2, 101	51, 511	6, 365
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	606, 561	119, 861	442, 874	43, 826
Lutheran bodies	13, 921	15, 102	2, 467, 516	3, 966, 003	1, 086, 652	2, 731, 969	147, 382
United Luth. Church in America	[6] 3, 559	3, 660	[6] 763, 596	1, 214, 340	304, 723	865, 844	43, 773
Augustana Synod	1, 165	1, 180	294, 417	311, 425	76, 920	232, 733	1, 772
Synodical Conference of America [7]	3, 620	4, 752	777, 701	1, 292, 620	370, 685	860, 021	61, 914
Norwegian Luth. Church of America	2, 740	2, 554	318, 650	496, 707	146, 306	328, 306	22, 095
Joint Synod of Ohio and Other States	826	872	164, 968	247, 783	73, 234	170, 043	4, 506
Synod of Iowa and Other States	977	873	130, 793	217, 873	63, 798	150, 159	3, 916
All other (12 bodies)	1, 034	1, 221	107, 391	185, 255	50, 986	124, 863	9, 406
Mennonites (17 bodies)	835	826	79, 363	87, 104	1, 735	77, 641	7, 788
Methodist bodies	65, 692	60, 644	7, 166, 885	8, 070, 619	686, 940	6, 190, 559	1, 193, 120
Methodist Episcopal Church	29, 315	26, 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	150, 373	30, 247
Methodist Episcopal, South	19, 184	18, 096	2, 114, 479	2, 487, 094	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, 466	257, 169	456, 813	57, 977	391, 960	6, 876
Colored Methodist Episcopal	2, 621	2, 518	245, 749	202, 713	14, 964	129, 643	58, 106
All other (13 bodies)	2, 750	2, 487	96, 440	104, 637	6, 731	88, 915	8, 991
Polish National Catholic Church	34	91	28, 245	61, 574	16, 151	35, 950	9, 473
Presbyterian bodies	15, 840	14, 848	2, 255, 626	2, 625, 284	122, 361	2, 281, 698	221, 225
Presbyterian Church, U. S. A	[8] 9, 773	8, 947	[8] 1, 625, 817	1, 894, 030	77, 700	1, 653, 033	163, 297
Cumberland Presbyterian Church	1, 313	1, 097	72, 052	67, 938	3, 345	57, 770	6, 823
United Presbyterian Church	901	901	160, 726	171, 571	7, 587	156, 512	7, 472
Presbyterian Church, U. S	3, 365	3, 469	357, 769	451, 043	30, 769	379, 463	40, 811
All other (5 bodies)	398	434	39, 262	40, 702	2, 960	34, 920	2, 822
Protestant Episcopal Church	7, 345	7, 299	1, 092, 821	1, 359, 086	462, 310	1, 299, 351	97, 425
Reformed bodies	2, 745	2, 652	537, 822	617, 551	35, 891	524, 155	57, 505
Reformed Church in America	715	717	144, 929	153, 739	1, 951	118, 664	33, 124
Reformed Church in the U. S	1, 758	1, 709	344, 374	361, 286	1, 995	339, 344	19, 947
All other (2 bodies)	272	256	48, 519	102, 526	31, 945	66, 147	4, 434
Roman Catholic Church	17, 375	18, 940	15, 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	500	39, 204	10, 921
Unitarians	411	353	82, 515	60, 152	595	57, 373	2, 184
United Brethren (3 bodies)	3, 889	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, 465	364, 044	592, 672	47, 788	483, 052	61, 832

[1] Includes Free Baptist Churches.
[2] Figures for 1916 are for the National Baptist Convention. Figures for 1926 include 243 churches reported with the Northern Baptist Convention in 1916.
[3] Not reported.
[4] Includes figures for Evangelical Protestant Church of North America.
[5] Includes Evangelical Association and United Evangelical Church.
[6] Includes the General Synod, United Synod of the South, and the General Council (except Augustana Synod).
[7] Includes 4 synods, of which the largest is the Synod of Missouri, Ohio, and Other States.
[8] Includes figures for Welsh Calvinistic Methodist Church.

Source: Bureau of the Census, Department of Commerce.

No. 52.—RELIGIOUS BODIES: VALUE OF PROPERTY AND EXPENDITURES, AND NUMBER OF SUNDAY SCHOOLS AND SCHOLARS, AS REPORTED FOR 1926, FOR THE PRINCIPAL DENOMINATIONS

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, 930	$3,839,500,610	216, 042	$817,214,528	184, 686	21, 038, 526
Adventists (5 bodies)	1, 819	11, 069, 449	2, 336	7, 010, 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, 576	7, 380	34, 318, 486	6, 999	1, 052, 794
Southern Baptist Convention	21, 128	173, 456, 965	22, 338	42, 904, 563	19, 882	2, 345, 630
Negro Baptists	19, 383	103, 405, 759	20, 209	19, 475, 981	18, 755	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)	2, 221	4, 647, 404	2, 570	926, 606	1, 605	96, 075
Brethren, German Baptist (Dunkers) (5 bodies)	1, 206	11, 110, 013	1, 182	2, 293, 622	1, 067	133, 483
Christian Church (General Convention)	976	7, 202. 193	1, 004	1, 353, 379	938	85, 478
Church of Christ Scientist	1, 185	69, 410, 744	1, 859	14, 202, 116	1, 555	140, 566
Church of the Nazarene	1, 113	7, 323, 718	1, 340	3, 124, 444	1, 233	109, 237
Churches of Christ	5, 089	16, 402, 158	5, 975	3, 961, 310	4, 403	274, 571
Congregational Churches	4, 795	162, 212, 552	4, 810	25, 820, 342	4, 601	596, 881
Disciples of Christ	6, 887	114, 850, 211	7, 250	22, 967, 484	6, 680	1, 000, 416
Eastern Orthodox Churches	397	11, 789, 108	423	2, 044, 415	198	14, 195
Greek Orthodox Church	131	5, 011, 718	145	958, 809	73	5, 796
Russian Orthodox Church	187	4, 883, 515	195	838, 453	90	5, 770
All other (5 bodies)	79	1, 893, 875	83	247, 153	35	2, 629
Evangelical Church	1, 089	25, 380, 761	2, 036	5, 951, 009	2, 000	230, 195
Evangelical Synod of North America	1, 253	35, 780, 581	1, 274	6, 002, 900	1, 146	171, 402
Federated churches	343	6, 159, 725	354	1, 272, 455	347	46, 820
Friends (4 bodies)	819	10, 217, 657	854	1, 687, 785	727	67, 889
Jewish Congregations	1, 135	97, 401, 688	1, 200	19, 076, 451	531	70, 380
Latter Day Saints (2 bodies)	1, 415	18, 983, 315	1, 769	3, 095, 895	1, 736	209, 503
Lutheran bodies	13, 400	273, 409, 748	14, 721	59, 500, 845	11, 472	1, 249, 998
United Lutheran Church in America	3, 516	114, 526, 248	3, 577	21, 162, 961	3, 415	619, 781
Augustana Synod	1, 118	22, 781, 698	1, 165	5, 369, 446	1, 036	100, 775
Synodical Conference of America	3, 878	78, 755, 894	4, 601	19, 487, 432	3, 028	212, 071
Norwegian Lutheran Church of America	2, 278	24, 822, 215	2, 497	5, 780, 977	1, 660	131, 147
Joint Synod of Ohio and Other States	832	15, 646, 708	865	3, 702, 259	769	88, 822
Synod of Iowa and Other States	799	8, 657, 486	867	2, 223, 888	778	80, 878
All other (12 bodies)	979	8, 219, 499	1, 149	1, 767, 882	786	46, 524
Mennonites (17 bodies)	680	4, 453, 613	731	1, 270, 067	631	87, 897
Methodist bodies	56, 493	654, 736, 975	59, 483	152, 151, 978	54, 804	6, 567, 654
Methodist Episcopal Church	25, 290	406, 165, 659	25, 790	89, 422, 307	24, 730	3, 796, 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, 404
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, 908	136, 280
Polish National Catholic Church	84	3, 365, 600	87	485, 698	74	6, 401
Presbyterian bodies	13, 852	443, 572, 158	14, 259	87, 535, 396	13, 222	2, 001, 928
Presbyterian Church in the U. S. A.	8, 437	338, 152, 743	8, 656	63, 230, 663	8, 237	1, 407, 298
Cumberland Presbyterian Church	986	3, 321, 287	961	759, 021	765	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, 330	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, 590, 736	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	680	124, 308
Reformed Church in the U. S.	1, 680	44, 662, 875	1, 692	7, 488, 446	1, 614	315, 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	552	17, 738, 506	1, 044	6, 001, 317	1, 015	91, 586
Spiritualists	94	1, 384, 156	509	531, 508	92	5, 552
Unitarians	337	27, 713, 554	344	3, 418, 975	317	19, 722
United Brethren (3 bodies)	3, 224	29, 578, 679	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, 538	52, 259, 075	7, 412	14, 744, 434	6, 376	477, 690

Source: Bureau of the Census, Department of Commerce.

2.—DEFECTIVES, DELINQUENTS, AND DEPENDENTS

[Data in this section relate to continental United States. See also general note, p. 68]

No. 53.—DEFECTIVES, DELINQUENTS, AND DEPENDENTS: BY STATES

Division and State	Number enumerated							Ratio per 100,000 of population			
	Apr. 1, 1930		Jan. 1, 1923					Apr. 1, 1930		Jan. 1, 1923	
	Deaf-mutes	Blind	Patients in hospitals for mental disease	Feeble-minded in institutions	Prisoners [1]	Juvenile delinquents [2]	Paupers in almshouses	Deaf-mutes	Blind	Patients in hospitals for mental disease	Prisoners
United States	57,084	63,489	267,617	42,954	109,619	27,238	76,090	46.5	51.7	245.9	99.7
New England	3,607	3,952	26,876	5,009	5,948	2,603	9,529	44.2	48.4	352.7	77.6
Maine	444	626	1,804	467	511	288	745	55.7	78.5	240.6	65.9
New Hampshire	222	251	1,309	393	244	167	870	47.7	53.9	313.5	54.6
Vermont	214	223	1,277	179	357	207	234	59.5	62.0	362.3	101.3
Massachusetts	1,820	1,924	15,869	3,034	3,134	1,229	5,629	42.8	45.3	399.0	78.3
Rhode Island	339	347	1,630	377	547	196	889	49.3	50.5	262.8	87.7
Connecticut	568	681	4,837	559	1,155	516	1,162	35.3	36.2	333.8	79.0
Middle Atlantic	11,396	10,013	70,535	13,393	20,706	6,613	18,564	43.4	38.1	306.4	89.4
New York	5,373	4,418	40,986	7,278	10,635	3,202	8,740	42.7	35.1	382.6	98.7
New Jersey	1,324	1,222	8,864	1,633	2,694	887	1,764	32.8	30.2	267.4	77.5
Pennsylvania	4,699	4,373	20,685	4,482	7,477	2,524	8,060	48.8	45.4	230.0	82.7
East North Central	12,168	14,120	56,881	10,323	21,059	4,987	21,405	48.1	55.8	255.0	93.7
Ohio	3,047	4,154	13,163	2,510	5,638	1,604	6,872	45.8	62.5	218.8	92.9
Indiana	1,713	2,204	6,595	1,565	2,911	832	3,128	52.9	68.1	220.6	97.0
Illinois	3,315	4,490	19,061	2,458	6,166	1,200	6,415	43.4	58.8	284.4	91.4
Michigan	2,336	1,742	8,971	2,132	4,722	750	3,262	48.2	36.0	230.7	120.0
Wisconsin	1,757	1,530	9,091	1,658	1,622	601	1,728	59.8	52.1	335.6	59.5
West North Central	7,145	8,751	31,355	6,547	10,264	3,228	7,298	53.7	65.8	245.4	80.0
Minnesota	1,226	1,049	6,691	1,892	2,211	738	1,032	47.8	40.9	271.2	89.0
Iowa	1,162	1,577	6,902	1,596	1,946	555	1,711	47.0	63.8	281.7	79.1
Missouri	1,999	3,879	8,806	779	2,726	904	2,712	55.1	106.9	256.5	79.3
North Dakota	306	195	1,269	338	338	160	120	44.9	28.6	190.9	50.6
South Dakota	425	253	1,297	424	377	94	171	61.3	36.5	199.5	57.7
Nebraska	854	552	2,988	751	932	336	573	62.0	40.1	225.8	70.2
Kansas	1,173	1,246	3,402	767	1,734	441	979	62.4	66.2	190.1	96.7
South Atlantic	7,276	8,226	28,637	2,444	17,301	4,241	6,875	46.1	52.1	198.1	118.9
Delaware	94	101	518	50	318	153	277	26.8	42.4	226.9	138.6
Maryland	737	799	4,719	773	1,866	912	1,368	45.2	49.0	316.8	124.6
Dist. of Col.	118	157	3,931	-------	473	380	313	24.2	32.2	893.4	100.5
Virginia	1,373	1,405	5,129	644	2,466	542	1,211	56.7	58.0	216.1	103.4
West Virginia	791	814	2,134	359	1,972	481	702	45.7	47.1	139.8	128.2
North Carolina	1,334	1,318	3,692	308	1,738	544	1,474	42.1	41.6	139.3	65.1
South Carolina	840	1,028	2,414	123	1,255	477	451	48.7	59.1	139.8	72.3
Georgia	1,288	1,788	4,150	47	5,622	403	872	44.3	61.5	139.7	188.4
Florida	725	816	1,950	140	1,591	349	207	49.4	55.6	190.4	153.7
East South Central	4,619	6,053	13,450	631	9,849	1,465	4,097	46.7	61.2	149.1	108.9
Kentucky	1,316	1,977	4,708	531	2,484	618	1,457	50.3	75.6	192.2	101.1
Tennessee	1,426	1,540	3,407	15	1,986	272	1,477	54.5	58.9	143.3	83.3
Alabama	1,048	1,415	2,718	-------	3,571	575	768	39.6	53.5	113.1	148.0
Mississippi	829	1,121	2,617	75	1,808	(3)	395	41.2	55.8	146.2	101.0
West South Central	5,700	6,126	14,936	739	9,344	1,570	2,075	46.8	50.3	140.7	87.4
Arkansas	918	1,101	2,121	7	1,555	205	578	49.5	59.4	118.0	80.0
Louisiana	1,062	1,252	3,322	170	1,940	134	174	50.5	59.6	181.0	105.3
Oklahoma	1,372	1,167	2,895	330	1,957	293	250	57.3	48.7	136.3	91.3
Texas	2,348	2,606	6,598	232	3,892	938	1,073	40.3	44.7	135.7	79.4
Mountain	1,777	2,363	6,471	731	3,441	1,144	1,778	48.0	63.8	184.0	98.8
Montana	305	235	1,438	91	405	182	324	56.7	43.7	242.3	67.2
Idaho	136	156	609	253	337	271	193	30.6	35.1	132.6	72.5
Wyoming	60	53	426	128	358	59	62	26.6	23.5	205.9	171.0
Colorado	532	751	2,147	259	1,184	483	667	51.4	72.5	220.0	120.4
New Mexico	263	607	392	-------	262	42	(4)	62.1	143.4	106.3	70.7
Arizona	174	259	554	-------	422	92	206	39.9	59.5	150.7	112.8
Utah	277	238	700	-------	264	(3)	188	54.5	46.9	149.3	55.8
Nevada	30	64	205	-------	209	15	138	32.9	70.3	264.8	270.0
Pacific	3,396	3,865	18,476	3,147	7,043	1,387	6,469	41.4	47.4	312.1	117.5
Washington	746	792	3,815	803	1,358	334	769	47.7	50.7	270.2	95.4
Oregon	549	496	2,666	575	577	193	580	57.6	52.0	328.4	70.6
California	2,101	2,597	11,995	1,669	5,108	860	5,120	37.0	45.7	324.4	136.2

[1] Figures include 544 inmates of State prisons, for whom no schedules were received, not included in Tables 68 and 70. Total also includes 4,664 prisoners in Federal prisons.

[2] In special institutions. [3] Not reported. [4] No almshouses maintained.

Source: Bureau of the Census, Department of Commerce.

GENERAL NOTE.—The figures contained in this section can not be taken as an absolute index of conditions. The provisions for the care of these classes are so divergent in different States, and in the same State at different times, that the enumeration of persons in certain institutions may be far from reflecting the true differences or changes in the relative number of such persons in the population at large. Moreover, the methods of enumeration have been changed from time to time. The difficulty of formulating an adequate definition, the large element of personal judgment of the enumerator, and reluctance on the part of individuals to admit defects, all affect the accuracy of the data

No. 54.—DEAF-MUTE POPULATION ENUMERATED: 1890 TO 1930

Division	Number on date of enumeration					Ratio per 100,000 population				
	1890 [1]	1900 [2]	1910 [3]	1920 [4]	1930 [3]	1890	1900	1910	1920	1930
United States	40,592	24,869	44,708	44,885	57,084	64.8	32.1	48.6	42.5	46.5
New England	3,389	1,279	2,373	3,093	3,607	72.1	22.9	36.2	41.8	44.2
Middle Atlantic	7,967	3,974	8,823	8,361	11,396	62.7	25.7	45.7	37.6	43.4
East North Central	9,837	5,634	9,810	10,770	12,168	73.0	35.2	53.8	50.2	48.1
West North Central	6,214	4,082	6,211	5,812	7,145	69.6	39.4	53.4	46.3	53.7
South Atlantic	5,597	3,673	6,260	5,946	7,276	63.2	35.2	51.3	42.5	46.1
East South Central	3,831	2,695	4,458	3,745	4,619	59.6	35.7	53.0	42.1	46.7
West South Central	2,478	2,100	4,298	3,902	5,700	52.3	32.1	48.9	38.1	46.8
Mountain	508	370	1,027	1,211	1,777	41.8	22.1	39.0	36.3	48.0
Pacific	771	562	1,448	2,045	3,396	40.8	23.3	34.5	36.7	41.4

[1] Deaf persons unable to speak at all.
[2] Deaf persons unable to speak at all, for whom special schedules were returned.
[3] Persons reported as deaf and dumb by the population enumerators.
[4] Deaf-mutes reported by census enumerators and by schools, institutions, and organizations for the deaf.

Source: Bureau of the Census Department of Commerce.

No. 55.—DEAF-MUTES BY SEX, COLOR OR RACE, AND AGE, 1930

Division	Total number enumerated	By sex		By color				
		Male	Female	White	Negro	Mexican	Indian	Other races
United States	57,084	29,249	27,835	52,165	4,191	410	283	35
New England	3,607	1,738	1,869	3,585	18		2	2
Middle Atlantic	11,396	5,677	5,719	11,182	196	1	16	1
East North Central	12,168	6,237	5,931	11,885	200	6	17	
West North Central	7,145	3,767	3,378	6,954	132	4	55	
South Atlantic	7,276	3,749	3,527	5,437	1,829		9	1
East South Central	4,619	2,432	2,187	3,643	976			
West South Central	5,700	2,937	2,763	4,711	749	184	56	
Mountain	1,777	953	824	1,538	11	122	104	2
Pacific	3,396	1,759	1,637	3,230	20	93	24	29

Division	By age at enumeration								
	Under 5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–44 years	45–64 years	65 years and over	Unknown
United States	919	3,950	6,282	5,669	4,705	16,882	12,335	6,366	76
New England	53	211	267	240	203	960	912	699	2
Middle Atlantic	140	889	1,466	1,309	781	3,057	2,395	1,347	12
East North Central	192	665	846	795	915	3,868	3,267	1,602	28
West North Central	98	435	739	661	532	2,014	1,765	887	14
South Atlantic	146	607	924	809	795	2,220	1,249	521	5
East South Central	92	368	631	584	473	1,329	815	324	3
West South Central	101	415	798	751	537	1,849	859	381	9
Mountain	51	142	202	148	171	524	347	191	1
Pacific	46	228	389	372	238	961	726	434	2

Source: Bureau of the Census, Department of Commerce.

No. 56.—BLIND POPULATION ENUMERATED: 1890 TO 1930

Division	Number on date of enumeration					Ratio per 100,000 population				
	1890	1900 [1]	1910	1920 [2]	1930	1890	1900	1910	1920	1930
United States	50,568	64,783	57,272	52,567	63,489	80.8	85.2	62.3	49.7	51.7
New England	4,367	4,846	4,090	4,099	3,052	92.9	86.7	62.4	63.5	48.4
Middle Atlantic	9,154	10,931	10,001	9,374	10,013	72.1	70.7	51.8	42.1	38.1
East North Central	11,229	14,666	11,731	12,234	14,120	83.4	91.7	64.3	57.0	55.8
West North Central	6,319	8,714	6,079	6,111	8,751	71.1	84.2	57.4	48.7	65.8
South Atlantic	7,867	9,159	8,279	6,694	8,226	88.8	87.7	67.9	47.8	52.1
East South Central	6,190	8,221	7,019	4,935	6,053	96.3	108.9	83.5	55.5	61.2
West South Central	3,640	5,264	5,621	4,258	6,126	80.1	80.6	64.0	41.6	50.3
Mountain	762	1,307	1,787	1,906	2,363	65.9	78.0	67.9	57.1	63.8
Pacific	1,040	1,655	2,065	2,356	3,885	55.6	63.5	49.3	42.3	47.4

[1] Figures relate only to those for whom special schedules were returned.
[2] Blind reported by census enumerators, and by schools for the blind, and other agencies.
Source: Bureau of the Census, Department of Commerce.

No. 57.—BLIND POPULATION BY SEX, COLOR OR RACE, AND AGE, 1930

Division	Total number enumerated	By sex		By color				
		Male	Female	White	Negro	Mexican	Indian	Other races
United States	63,489	36,529	26,960	52,861	9,128	784	681	35
New England	3,952	2,099	1,853	3,864	81	----	6	1
Middle Atlantic	10,013	5,685	4,328	9,502	499	1	9	2
East North Central	14,120	8,089	6,031	13,311	768	6	35	----
West North Central	8,751	5,014	3,737	8,057	570	12	111	1
South Atlantic	8,226	4,834	3,392	4,900	3,322	----	4	----
East South Central	6,053	3,482	2,571	3,895	2,154	----	4	----
West South Central	6,126	3,545	2,581	4,067	1,595	362	98	4
Mountain	2,363	1,427	936	1,786	34	245	294	4
Pacific	3,885	2,354	1,531	3,479	105	158	120	23

Division	By age at enumeration								
	Under 5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–44 years	45–64 years	65 years and over	Unknown
United States	504	1,113	1,814	2,039	1,965	10,058	17,814	28,113	69
New England	34	44	77	98	114	553	1,140	1,890	2
Middle Atlantic	105	184	326	326	310	1,586	3,007	4,162	7
East North Central	99	161	246	279	312	2,081	4,027	6,892	14
West North Central	43	163	269	262	218	1,140	2,314	4,303	9
South Atlantic	82	194	309	353	303	1,706	2,356	2,856	7
East South Central	53	117	159	200	238	1,062	1,657	2,560	7
West South Central	55	114	186	234	219	1,082	1,667	2,560	9
Mountain	16	68	77	93	68	328	583	1,129	1
Pacific	17	68	165	164	114	520	1,063	1,761	13

Source: Bureau of the Census, Department of Commerce.

No. 58.—PAUPERS ENUMERATED IN ALMSHOUSES: 1880 TO 1923

Division	Number on date of enumeration [1]					Ratio per 100,000 of population				
	1880	1890	1904	1910	1923	1880	1890	1904	1910	1923
United States	66,203	73,044	81,764	84,198	78,090	132.0	116.6	100.0	91.5	71.5
New England	9,835	9,500	11,495	11,886	9,529	245.2	202.1	193.5	181.4	125.1
Middle Atlantic	24,098	21,643	21,783	23,772	18,564	229.6	170.4	129.2	123.1	80.6
East North Central	16,474	20,279	21,127	21,358	21,405	147.0	150.5	125.7	117.0	96.0
West North Central	3,337	5,336	6,618	6,366	7,298	54.2	60.0	61.2	54.7	57.1
South Atlantic	6,975	8,100	8,298	7,706	6,875	91.8	91.4	74.9	63.2	47.6
East South Central	3,361	4,240	4,768	4,266	4,097	60.2	66.0	60.7	50.7	45.4
West South Central	315	809	1,689	1,630	2,075	9.4	17.8	23.0	18.6	19.5
Mountain	162	367	1,283	1,052	1,778	23.3	31.7	63.4	62.7	50.6
Pacific	1,656	2,770	4,703	5,562	6,469	148.6	148.0	153.6	132.7	109.3

[1] June 1, 1880 and 1890; Jan. 1, 1904, 1910, and 1923.

Source: Bureau of the Census, Department of Commerce.

No. 59.—PAUPERS ENUMERATED IN ALMHOUSES: BY AGE GROUPS

Age group	Number enumerated					Per cent distribution				
	1880	1890	1904	1910	1923	1880	1890	1904	1910	1923
All ages	66,203	73,044	81,764	84,198	78,090	100.0	100.0	100.0	100.0	100.0
Under 15 years	8,885	5,627	2,755	2,370	1,896	13.4	7.7	3.4	2.8	2.4
15 to 24 years	4,996	4,382	3,240	2,514	1,659	7.5	6.0	4.0	3.0	2.1
25 to 44 years	17,609	17,077	13,573	11,994	7,427	26.6	23.4	16.6	14.2	9.5
45 to 59 years	12,807	15,037	18,810	20,613	15,104	19.3	20.6	23.0	24.5	19.3
60 to 74 years	14,307	18,805	26,803	30,189	32,371	21.6	25.8	32.8	35.9	41.5
75 years and over	7,599	10,714	15,034	15,843	18,703	11.5	14.7	18.4	18.8	24.0
Age unknown	-------	1,342	1,549	675	870	-------	1.8	1.9	.8	1.1

Source: Bureau of the Census, Department of Commerce.

No. 60.—PAUPERS ADMITTED TO ALMSHOUSES, AND DEPARTURES AND DEATHS, DURING 1922

Division	Number admitted							Number departed	
	Total	Male	Female	White			Negro [1]	Discharges and transfers	Deaths
				Native	Foreign born	Nativity unknown			
United States	63,807	46,670	17,137	57,788	17,988	1,747	5,949	44,060	15,772
New England	10,036	6,918	3,118	5,971	3,600	200	256	8,009	2,035
Middle Atlantic	14,250	10,466	3,784	8,294	4,859	382	693	11,094	3,287
East North Central	15,604	11,985	3,619	9,224	4,761	410	1,182	10,393	4,159
West North Central	4,137	3,161	976	2,759	974	184	213	2,535	1,072
South Atlantic	6,396	4,067	2,329	3,289	413	188	2,493	3,661	1,787
East South Central	2,128	1,318	810	1,403	30	29	663	1,119	775
West South Central	1,723	1,190	533	1,140	193	66	316	847	401
Mountain	2,375	1,743	632	1,529	666	99	37	1,557	541
Pacific	7,158	5,822	1,336	4,179	2,492	189	96	4,851	1,715

[1] Figures for other colored races amounting to 335 in all, insignificant except in Pacific division.

Source: Bureau of the Census, Department of Commerce.

No. 61.—MENTAL PATIENTS, FEEBLE-MINDED AND EPILEPTICS IN STATE INSTITUTIONS, AND PRISONERS IN STATE AND FEDERAL PRISONS AND REFORMATORIES: 1904 TO 1929

Year	State hospitals for mental disease [1]				State institutions for feeble-minded and epileptics [2]				Prisons and reformatories [3]			
	First admissions		Patients present on a given date [4]		First admissions		Patients present on a given date [4]		Prisoners received from courts during the year		Prisoners present on a given date [4]	
	Number	Per 100,000 population [5]	Number	Per 100,000 population [6]	Number	Per 100,000 population [5]	Number	Per 100,000 population [6]	Number	Per 100,000 population [5]	Number	Per 100,000 population [(5)]
1904			129,222	158.0					[7] 27,740	33.6	[8] 57,070	69.1
1910			159,096	173.0			[9] 17,411	18.9	29,710	32.3	68,735	74.7
1922	50,286	45.8	222,406	204.0	7,467	6.9	43,579	40.0				
1923			229,664	207.5			46,580	42.1	38,028	34.7	81,959	74.2
1926 [10]	52,793	46.0	246,486	217.3	8,171	7.0	55,201	47.9	48,108	41.3	91,869	79.3
1927 [10]	56,144	47.5	255,358	219.0	8,353	7.3	58,367	51.3	51,936	45.0	97,991	85.5
1928 [10]	59,417	49.6	264,511	222.3	9,305	8.3	59,730	53.7	55,746	47.5	109,346	93.9
1929			272,527	225.9			63,642	56.4			116,626	98.8

[1] Includes 2 Federal hospitals—St. Elizabeths, District of Columbia, and Asylum for Insane Indians, South Dakota.
[2] Includes 1 Federal institution, the District of Columbia Training School.
[3] Includes Federal civil prisons and State penal institutions used entirely or chiefly for adult offenders convicted of felonies.
[4] June 30, 1904, and, in general, Jan. 1 other years, but data for a few hospitals relate to other dates.
[5] Based on enumerated population Apr. 15, 1910, and estimated population July 1 of other years.
[6] Based on enumerated population Apr. 15, 1910, and estimated population Jan. 1 of other years.
[7] Figure represents "major offenders," but is substantially comparable to other figures here given.
[8] Exclusive of prisoners committed for nonpayment of fine.
[9] Does not include 7 special State institutions for epileptics, included for later enumerations.
[10] Figures exclude institutions not reporting as follows: 1 institution for the feeble-minded in 1926 and 1927 and 3 in 1928; 2 State hospitals in 1926; 2 State prisons in 1927 and 3 in 1928.

No. 62.—STATE HOSPITALS FOR MENTAL DISEASE: FIRST ADMISSIONS DURING 1922, 1927, AND 1928, BY PSYCHOSIS [1]

Psychosis	Number			Per 100,000 population		
	1922 [2]	1927	1928	1922 [2]	1927	1928
Grand total	52,472	56,144	59,417	47.8	47.5	49.6
With psychosis, total	49,116	53,445	55,520	44.7	45.2	46.3
Traumatic	186	221	256	.1	.2	.2
Senile	5,101	5,592	5,616	4.6	4.7	4.7
With cerebral arteriosclerosis	3,045	4,826	5,401	2.8	4.1	4.5
General paralysis	4,977	5,024	5,040	4.5	4.3	4.2
With cerebral syphilis	589	839	872	.5	.7	.7
With Huntington's chorea	86	97	92	.1	.1	.1
With brain tumor	38	38	43	(3)	(3)	(3)
With other brain or nervous diseases	456	700	884	.4	.6	.7
Alcoholic	1,819	2,656	2,770	1.7	2.2	2.3
Due to drugs and other exogenous toxins	355	364	357	.3	.3	.3
With pellagra	339	789	941	.3	.7	.8
With other somatic diseases	1,285	1,618	1,621	1.2	1.4	1.4
Manic-depressive	8,095	7,828	8,384	7.4	6.6	7.0
Involution melancholia	1,083	1,115	1,058	1.0	.9	.9
Dementia præcox (schizophrenia)	11,887	12,441	11,945	10.8	10.5	10.0
Paranoia or paranoid conditions	1,266	965	1,042	1.2	.8	.9
Epileptic psychoses	1,513	1,600	1,610	1.4	1.4	1.3
Psychoneuroses and neuroses	1,063	1,043	1,071	1.0	.9	.9
With psychopathic personality	764	721	690	.7	.6	.6
With mental deficiency	1,615	2,061	2,054	1.5	1.7	1.7
Undiagnosed psychoses	3,142	1,781	1,806	2.9	1.5	1.5
Psychoses not reported	462	1,126	1,967	.4	1.0	1.6
Without psychosis, total	3,356	2,699	3,897	3.1	2.3	3.3
Epilepsy	(4)	82	230		.1	.2
Alcoholism	(4)	564	1,126		.5	.9
Drug addiction	(4)	401	447		.3	.4
Psychopathic personality	(4)	130	327		.1	.3
Mental deficiency	(4)	594	884		.5	.7
Others without psychosis	(4)	928	883		.8	.7

[1] See footnote 1, Table 61.
[2] Figures include 2,186 admissions to three State psychopathic hospitals in Iowa, Massachusetts, and Michigan, which were not separately tabulated by psychosis.
[3] Less than one-tenth of 1 per 100,000. [4] Separate figures not available.

Source of Tables 61 and 62: Bureau of the Census, Department of Commerce.

No. 63.—STATE HOSPITALS FOR MENTAL DISEASE AND STATE INSTITUTIONS FOR THE FEEBLE-MINDED AND EPILEPTICS: FIRST ADMISSIONS DURING THE YEAR AND NUMBER PRESENT, BY STATES

Division and State	Hospitals for mental disease						Institutions for the feeble-minded and epileptics					
	First admissions during the year				Patients present at beginning of year		First admissions during the year				Patients present at beginning of year	
	Number			Per 100,000 population 1928			Number			Per 100,000 population 1928		
	1922	1927	1928		1923	1929	1922	1927	1928		1923	1929
United States	50,286	56,144	59,417	49.6	220,664	272,527	7,467	[1] 8,353	[2] 9,305	8.3	46,580	[3] 63,642
New England	5,013	4,886	5,440	67.7	25,187	29,044	755	830	813	10.1	6,033	8,049
Maine	339	404	456	57.4	1,838	2,140	104	43	42	5.3	467	677
New Hampshire	306	307	387	83.9	1,399	1,644	38	41	32	6.9	393	440
Vermont	164	152	187	52.2	784	883	55	19	20	5.6	179	234
Massachusetts	2,940	2,740	2,995	71.6	15,285	17,550	483	521	559	13.4	4,062	5,483
Rhode Island	346	376	412	61.2	1,485	1,825	36	62	73	10.8	377	465
Connecticut	918	907	1,003	64.0	4,376	5,002	39	144	87	5.5	555	750
Middle Atlantic	10,060	11,976	12,591	49.2	55,145	65,088	2,011	2,052	2,853	10.4	12,388	16,619
New York	7,218	8,473	8,973	73.3	30,510	46,525	1,424	1,322	1,475	12.1	7,239	9,665
New Jersey	1,317	1,402	1,443	37.2	5,090	6,148	277	291	678	17.4	1,777	2,979
Pennsylvania	1,525	2,101	2,175	22.9	10,545	12,415	310	439	500	5.3	3,372	3,975
East North Central	10,943	11,397	12,029	48.9	48,044	52,878	2,064	2,470	2,372	9.6	12,714	18,301
Ohio	2,708	3,300	3,403	52.4	12,811	14,646	520	896	953	14.7	4,229	6,133
Indiana	955	1,007	1,084	34.1	5,780	6,698	226	298	264	8.3	1,945	2,616
Illinois	5,053	4,658	5,095	68.7	18,764	21,551	423	699	693	9.3	2,625	4,500
Michigan	1,236	1,288	1,300	28.0	7,392	8,112	659	385	258	5.6	2,688	3,428
Wisconsin	991	1,144	1,147	39.8	1,297	1,871	236	192	204	7.1	1,227	1,624
West North Central	4,966	5,295	5,659	43.0	25,573	29,447	825	822	856	8.9	7,221	7,875
Minnesota	1,295	1,280	1,413	55.7	6,632	7,632	197	203	319	12.6	1,857	2,135
Iowa	939	970	1,140	46.4	5,002	5,539	239	249	170	6.9	1,904	2,409
Missouri	1,139	1,293	1,424	39.7	5,242	6,087	37	[4]	[4]		587	[4]
North Dakota	242	236	259	38.3	1,269	1,491	31	59	91	13.5	338	569
South Dakota	168	202	246	36.1	1,207	1,430	79	50	73	10.7	424	465
Nebraska	571	639	551	40.4	2,926	3,431	91	56	65	4.8	751	857
Kansas	632	675	626	33.6	3,295	3,837	151	145	138	7.4	1,300	1,440
South Atlantic	6,493	7,503	8,338	53.9	26,789	33,541	658	779	897	5.8	2,693	4,343
Delaware	96	129	147	62.4	518	629	24	32	27	11.5	50	142
Maryland	628	686	611	38.2	3,297	4,064	68	62	138	8.6	755	850
Dist. of Col.	888	502	680	142.1	3,931	3,948	[4]	49	143	29.9	[4]	191
Virginia	1,360	1,332	1,513	63.0	5,012	6,017	75	113	124	5.2	533	798
West Virginia	687	701	935	55.5	2,134	2,688	119	85	30	1.8	547	759
North Carolina	851	1,373	1,479	48.2	3,575	5,140	207	193	145	4.7	501	593
South Carolina	643	823	1,005	58.3	2,400	2,884	23	101	80	4.6	123	452
Georgia	652	965	831	28.6	3,972	5,069	9	29	75	2.6	44	155
Florida	688	992	1,137	82.3	1,950	3,102	133	115	135	9.8	140	403
East South Central	3,529	4,172	4,365	44.9	12,636	15,124	35	188	238	3.1	497	1,299
Kentucky	1,169	1,209	1,282	49.5	4,635	5,077	22	26	78	3.0	425	520
Tennessee	811	926	837	32.7	2,746	3,449	[4]	124	124	4.8	[4]	450
Alabama	627	981	979	37.7	2,718	3,527	[4]	23	36	1.4	[4]	329
Mississippi	922	1,056	1,267	64.3	2,537	3,071	13	15	[3]		72	[3]
West South Central	3,330	4,467	4,558	38.6	14,321	18,941	331	399	455	4.8	1,297	1,828
Arkansas	731	1,137	1,022	55.6	1,990	2,749	[4]	[4]	[4]		[4]	[4]
Louisiana	547	624	688	33.7	3,022	3,881	99	39	176	8.6	130	371
Oklahoma	695	1,126	1,136	48.8	2,873	4,115	54	63	[3]		330	[3]
Texas	1,357	1,580	1,712	30.4	6,436	8,196	178	297	279	5.0	837	1,457
Mountain	1,447	1,596	1,544	42.5	6,221	7,400	156	134	134	3.7	724	1,134
Montana	317	293	296	55.0	1,438	1,518	14	56	35	6.5	91	279
Idaho	144	131	136	30.7	609	671	58	22	40	9.0	253	317
Wyoming	61	54	77	35.1	309	417	36	18	26	11.8	125	189
Colorado	399	487	435	42.7	2,017	2,488	48	38	33	3.2	255	349
New Mexico	92	149	131	31.5	392	527	[4]	[4]	[4]		[4]	[4]
Arizona	209	181	186	44.4	554	709	[4]	[4]	[4]		[4]	[4]
Utah	183	241	206	41.7	697	832	[4]	[4]	[4]		[4]	[4]
Nevada	42	60	77	86.8	205	238	[4]	[4]	[4]		[4]	[4]
Pacific	4,471	4,847	4,882	63.1	17,678	20,974	632	679	887	11.5	3,013	4,194
Washington	871	907	811	53.1	3,765	4,216	165	131	269	17.6	803	1,086
Oregon	709	765	749	81.1	2,406	2,933	162	76	105	11.4	675	808
California	2,891	3,175	3,322	62.8	11,507	13,825	305	472	513	9.7	1,535	2,300
Federal Asylum for Indians	14	5	11	[5]	90	90						

[1] Excluding 1 institution not reported.
[2] Excluding 3 institutions not reported.
[3] No census report received.
[4] No separate institution in operation.
[5] Less than one-tenth of 1 per 100,000.

Source: Bureau of the Census, Department of Commerce.

No. 64.—PATIENTS IN ALL HOSPITALS FOR MENTAL DISEASE: 1880 TO 1923

Division	Number on date of enumeration [1]					Ratio per 100,000 of population				
	1880 [2]	1890 [2]	1904	1910	1923	1880	1890	1904	1910	1923
United States	40,942	74,028	150,151	187,791	[3]267,617	81.6	118.2	183.6	204.2	245.0
New England	5,294	7,693	14,855	19,580	26,876	132.0	163.7	250.1	298.8	352.7
Middle Atlantic	12,710	21,435	42,562	52,380	70,535	121.1	168.8	252.5	271.2	306.4
East North Central	8,966	15,674	33,039	41,246	56,881	80.0	116.3	196.6	226.0	255.0
West North Central	3,493	8,641	18,595	22,683	31,355	56.7	97.2	171.9	194.9	245.4
South Atlantic	4,660	9,007	16,514	19,952	28,637	61.3	101.7	149.1	163.6	198.1
East South Central	2,549	4,493	7,867	9,759	13,450	45.6	69.9	100.1	116.0	149.1
West South Central	800	2,043	6,010	8,413	14,936	24.0	45.0	81.8	95.8	140.7
Mountain	107	858	2,529	3,574	6,471	10.4	74.2	125.0	135.7	184.0
Pacific	2,363	4,184	8,180	10,204	18,476	212.0	223.0	257.2	243.4	312.1

[1] June 1, 1880 and 1890; Jan. 1, 1904, 1910, and 1923.
[2] Total number of insane enumerated, including those not in hospitals in 1880 and 1890, was 91,959 and 106,485, respectively.
[3] Includes patients of 1 State and 11 private hospitals for whom individual schedules were not received.

No. 65.—PATIENTS IN ALL HOSPITALS FOR MENTAL DISEASE: BY AGE GROUPS

Age group	Number enumerated				Per cent distribution			
	1890	1904	1910	1923	1890	1904	1910	1923
All ages	74,028	150,151	187,791	265,329	100.0	100.0	100.0	100.0
Under 15 years	51	112	341	634	0.1	0.1	0.2	0.2
15 to 24 years	4,621	8,625	10,113	14,110	6.2	5.7	5.4	5.3
25 to 44 years	36,346	66,719	79,351	109,757	49.1	44.4	42.3	41.3
45 to 59 years	21,727	45,855	60,142	82,240	29.3	30.5	32.0	30.9
60 to 74 years	8,402	21,111	28,537	45,429	11.3	14.1	15.2	17.1
75 years and over	1,351	4,217	6,073	9,759	1.8	2.8	3.2	3.7
Age unknown	1,530	3,512	3,234	3,900	2.1	2.3	1.7	1.5

No. 66.—PATIENTS ADMITTED TO ALL HOSPITALS FOR MENTAL DISEASE DURING 1922: BY PSYCHOSIS

Psychosis	All classes		Male	Female	White			Colored
	Number	Per cent distribution			Native	Foreign-born	Nativity unknown	
All clinical groups	71,676	100.0	41,714	29,962	45,824	15,411	4,265	6,176
Senile	6,845	9.5	3,563	3,282	3,952	1,883	518	492
With cerebral arteriosclerosis	3,438	4.8	2,233	1,205	2,028	985	225	200
General paralysis	6,294	8.8	5,076	1,218	3,720	1,427	438	709
With cerebral syphilis	893	1.2	637	256	467	127	59	240
Alcoholic	2,693	3.8	2,427	266	1,464	881	235	113
Manic-depressive	11,393	15.9	4,880	6,513	7,276	2,374	610	1,133
Involution melancholia	1,803	2.5	560	1,243	1,252	420	95	36
Dementia præcox (schizophrenia)	15,526	21.7	8,950	6,576	9,875	3,051	609	1,391
Paranoia or paranoid conditions	1,881	2.6	873	1,008	1,213	485	85	98
Epileptic	1,813	2.5	1,121	692	1,279	205	74	255
Psychoneuroses and neuroses	2,777	3.9	1,658	1,119	2,145	457	119	56
With psychopathic personality	914	1.3	585	329	688	152	23	51
With mental deficiency	1,890	2.6	1,076	823	1,438	210	76	175
All other and unknown	13,507	18.8	8,075	5,432	9,027	2,154	1,099	1,227

Source: Bureau of the Census, Department of Commerce.

No. 67.—PRISONERS IN ALL PENAL INSTITUTIONS: 1880 TO 1923

NOTE.—See Tables 61 and 72, for prisoners in prisons and reformatories, 1926 to 1929 and earlier years

Division	Number on date of enumeration [1]				Ratio per 100,000 of population			
	1880	1904	1910	1923	1880	1904	1910	1923
United States	49,627	[2] 81,772	[2] 99,199	[2]104,067	98.7	99.0	107.9	94.6
New England	4,770	8,599	9,698	5,746	118.9	143.6	148.0	75.0
Middle Atlantic	13,815	18,790	22,165	20,150	131.6	110.2	114.8	87.0
East North Central	7,769	12,042	13,476	19,281	69.3	71.2	78.8	85.8
West North Central	3,768	7,828	8,216	9,823	61.2	71.9	70.6	76.6
South Atlantic	6,895	10,740	14,915	15,703	90.8	96.2	122.3	103.0
East South Central	5,197	7,524	10,384	9,648	93.1	95.2	123.5	106.7
West South Central	4,192	7,090	8,419	8,935	125.7	95.0	95.8	83.6
Mountain	743	2,954	4,171	3,322	113.8	142.6	158.4	93.5
Pacific	2,378	4,564	5,851	6,705	213.4	144.8	139.6	113.4

[1] June 1, 1880; June 30, 1904; Jan. 1, 1910 and 1923. Includes only sentenced prisoners, exclusive of those imprisoned for nonpayment of fine.
[2] Including prisoners in Federal prisons, as follows: 1,641 in 1904; 1,904 in 1910; and 4,664 in 1923.

No. 68.—PRISONERS ENUMERATED IN ALL PENAL INSTITUTIONS JANUARY 1, 1923, AND COMMITMENTS DURING THE YEAR: BY CLASSES

Class	Number present Jan. 1	Commitments during 1923		Age group	Number present Jan. 1	Commitments during 1923	
		Number [1]	Per 100,000 population of same class			Number [1]	Per 100,000 population of same group
All classes	109,075	357,493	325.1	Under 18 years	2,230	7,195	126.5
				18 to 20 years	11,739	31,080	562.9
Male	103,883	328,820	610.1	21 to 24 years	21,489	52,760	703.9
Female	5,192	28,673	55.3	25 to 34 years	37,336	100,007	582.9
				35 to 44 years	20,537	80,829	572.4
White, total	73,549	266,857	281.4	45 to 64 years	13,183	60,838	357.2
Native	58,238	194,179	[2] 239.4	65 years and over	1,284	4,931	100.0
Foreign born	15,061	66,990	[2] 488.5	Age unknown	1,277	19,841	
Nativity unknown	250	5,688					
Negro	34,178	83,399	797.1				
Other and unknown	1,348	7,237	660.9				

[1] Estimate based on reported commitments during first six months.
[2] Figures for prisoners and population 18 years of age and over afford a more accurate basis of comparison between the native and the foreign born white; on this basis ratios are 404.1 and 517.5 respectively.

No. 69.—PRISONERS AND JUVENILE DELINQUENTS ENUMERATED JANUARY 1, 1923, AND COMMITMENTS DURING THE YEAR

Division	Number present Jan. 1			Commitments during 1923 [1]					
	Prisoners in—		Juvenile delinquents in institutions [4]	Prisoners to—		Juveniles to institutions [4]	Under 10 years of age	10 to 17 years of age	
	Prisons and reformatories [2, 3]	Jails and workhouses [3]		Prisons and reformatories [3]	Jails and workhouses [3]			Number	Per 100,000 of same age
United States	81,479	26,140	[5] 29,463	[6] 37,565	319,908	[5] 25,909	344	[4] 25,565	156.5
New England	3,527	2,421	2,718	1,610	18,919	2,352	40	2,312	229.8
Middle Atlantic	12,526	8,180	7,104	4,747	76,228	6,000	168	5,832	185.7
East North Central	15,751	5,308	5,434	7,537	70,351	5,145	12	5,133	168.9
West North Central	8,566	1,698	3,366	4,024	26,799	2,227	22	2,205	113.5
South Atlantic	11,382	5,919	4,751	4,010	46,748	4,539	52	4,487	180.8
East South Central	8,498	1,351	1,043	2,961	15,657	1,464	12	1,452	102.6
West South Central	8,379	905	1,820	4,730	20,866	2,093	8	2,085	110.8
Mountain	2,933	508	1,202	1,681	11,061	866	20	846	195.9
Pacific	5,253	1,790	1,424	2,582	33,279	1,203	10	1,193	173.8

[1] See footnote 1, Table 68. [2] See footnote 1, Table 53.
[3] "Jails and workhouses" includes data for houses of correction in Rhode Island and Maryland included with "Prisons and reformatories" in Tables 61 and 72.
[4] Including those in special institutions and prisoners under 18 years of age in penal institutions not primarily for juvenile delinquents. See Table 68.
[5] Including those in United States penitentiaries. [6] Including 3,703 committed to Federal prisons.

Source: Bureau of the Census, Department of Commerce.

No. 70.—PRISONERS ENUMERATED IN ALL PENAL INSTITUTIONS AND COMMITMENTS: BY NATURE AND LENGTH OF SENTENCE

Sentence	Number				Per cent distribution			
	Present Jan. 1		Commitments		Present Jan. 1		Commitments	
	1910	1923	1910	1923 [1]	1910	1923	1910	1923
Total	111,498	109,075	479,787	357,493	100.0	100.0	100.0	100.0
Death	143	92	130	116	0.1	0.1	(2)	(2)
Imprisonment for—								
Life	6,444	7,548	783	914	5.8	6.9	.2	.3
Definite term	71,112	51,003	182,641	156,185	63.8	46.8	38.1	43.7
1 year or more	47,704	37,325	21,357	24,526	42.8	34.2	4.5	6.9
Less than 1 year	23,408	13,678	161,284	131,659	21.0	12.5	33.6	36.8
Indeterminate period	21,083	43,705	15,005	23,312	18.9	40.1	3.1	6.5
Minority	134	126	50	59	.1	.1	(2)	(2)
Nonpayment of fine	12,299	5,552	278,914	169,333	11.0	5.1	58.1	47.4
Nature and length of sentence unknown	283	1,049	2,264	7,574	.3	1.0	.5	2.1

[1] Enumerated for the period Jan. 1 to June 30; estimated for the rest of the year.
[2] Less than one-tenth of 1 per cent.

No. 71.—STATE AND FEDERAL PRISONS AND REFORMATORIES: PRISONERS RECEIVED FROM COURTS DURING THE YEAR, BY PRINCIPAL OFFENSES

NOTE.—For distribution of prisoners in all penal institutions, 1910 and 1923, by principal offenses. See Statistical Abstract 1929, Table 78

Sex and offense	Number				Ratio per 100,000 population [1]			
	1910	1923	1927 [2]	1928 [2]	1910	1923	1927 [3]	1928 [3]
Male, total	26,222	35,216	41,227	45,432	55.5	61.9	82.7	88.1
Homicide	2,535	3,220	2,173	2,457	5.4	5.7	4.4	4.8
Rape	1,077	1,497	1,568	1,554	2.3	2.6	3.1	3.0
Robbery	1,216	2,923	3,575	4,266	2.6	5.1	7.2	8.3
Assault	2,610	1,830	1,942	2,026	5.5	3.2	3.9	3.9
Burglary	6,004	6,295	7,150	8,591	12.7	11.1	14.3	16.7
Forgery	1,611	2,568	2,846	3,175	3.4	4.5	5.7	6.2
Larceny and related offenses [4]	7,709	8,436	11,741	12,194	16.3	14.8	23.5	23.7
Sex offenses, except rape	796	1,110	1,087	1,201	1.7	2.0	2.2	2.3
Violating liquor laws	306	2,533	3,338	3,120	.6	4.5	6.7	6.1
Violating drug laws	22	2,015	1,560	1,856	(5)	3.5	3.1	3.6
Carrying weapons	146	242	423	409	.3	.4	.8	.8
Nonsupport or neglect of family	115	232	494	631	.2	.4	1.0	1.2
Other	2,015	2,167	3,129	3,656	4.2	3.9	6.3	7.0
Not reported	60	148	201	297	.1	.3	.4	.6
Female, total	1,510	2,369	2,835	2,780	3.4	4.3	6.0	5.6
Homicide	118	223	152	162	.3	.4	.3	.3
Robbery	20	38	40	58	(5)	.1	.1	.1
Assault	103	59	85	83	.2	.1	.2	.2
Burglary	47	42	50	50	.1	.1	.1	.1
Forgery	15	81	117	106	(5)	.1	.2	.2
Larceny and related offenses [4]	388	341	359	349	.9	.6	.8	.7
Sex offenses	340	543	707	650	.8	1.0	1.5	1.3
Violating liquor laws	19	186	251	222	(5)	.3	.5	.5
Violating drug laws	1	166	161	208	(5)	.3	.3	.4
Carrying weapons	4	2	11	9	(5)	(5)	(5)	(5)
Nonsupport or neglect of family	20	50	154	144	(5)	.1	.3	.3
Other	435	620	737	723	1.0	1.1	1.5	1.5
Not reported	-------	18	11	16	-------	(5)	(5)	(5)

[1] Based upon enumerated population Apr. 15, 1910, and estimated population July 1, 1923, 1927, and 1928.
[2] These figures represent the institutions which furnished detailed information.
[3] Based upon estimated population proportional to prisoners of each sex reported in detail.
[4] Includes larceny, embezzlement, fraud, and having stolen property.
[5] Less than one-tenth of 1 per 100,000.

Source of Tables 70 and 71, Bureau of the Census, Department of Commerce.

No. 72.—STATE AND FEDERAL PRISONS AND REFORMATORIES: ADMISSIONS DURING THE YEAR AND NUMBER PRESENT ON JANUARY 1, BY STATES

Division or State	Prisoners received from courts during the year							Prisoners present on Jan. 1			
	Number					Per 100,000 population					
	1910	1923	1926	1927	1928	1910	1928	1910	1923	1928	1929
United States	29,710	38,628	48,108	[1]51,938	[2]55,748	32	48	68,735	81,959	[1]109,346	[2]116,628
Federal prisons and reformatories	987	3,709	5,010	5,021	5,570	1	5	1,904	4,664	7,723	8,204
State prisons and reformatories	28,723	34,925	43,098	46,915	50,178	32	43	66,831	77,295	101,624	108,422
New England	2,070	1,847	1,952	1,836	2,164			3,510	3,638	4,089	4,332
Maine	89	202	210	182	207	9	26	201	379	382	382
New Hampshire	43	35	33	50	52	10	11	147	138	122	124
Vermont	[3]	277	285	[4]245	[4]279		78	170	316	[4]332	[4]348
Massachusetts	1,114	693	826	752	899	33	22	1,966	1,448	1,866	2,027
Rhode Island [5]	658	294	197	196	236	121	35	421	466	362	409
Connecticut	186	346	401	411	491	17	31	605	891	1,005	1,042
Middle Atlantic	5,147	4,747	5,991	5,992	6,272			12,422	12,526	14,606	15,471
New York	3,188	2,666	3,290	2,917	2,742	35	23	7,073	6,316	7,583	7,801
New Jersey	814	825	1,170	1,328	1,405	32	36	1,839	1,912	2,518	2,643
Pennsylvania	1,145	1,256	1,531	1,747	2,125	15	22	3,510	4,298	4,505	5,027
East North Central	3,315	7,537	10,150	11,295	11,022			9,981	15,751	25,518	27,585
Ohio	1,115	2,264	3,180	3,640	3,509	23	54	2,561	4,234	7,530	8,358
Indiana	770	1,358	1,385	1,541	1,481	29	47	2,362	2,302	3,710	3,885
Illinois	844	1,387	1,728	1,821	1,941	15	26	2,509	4,416	6,378	7,014
Michigan	559	1,996	3,040	3,510	3,233	20	70	1,596	3,041	6,303	6,691
Wisconsin	527	532	817	783	858	23	30	953	1,158	1,595	1,617
West North Central	2,667	4,024	5,351	5,619	5,852			6,526	8,586	12,372	12,895
Minnesota	444	659	822	826	890	21	35	1,092	1,634	2,167	2,141
Iowa	333	753	665	760	778	15	32	963	1,794	2,157	2,276
Missouri	839	912	1,609	1,758	1,794	26	50	2,307	2,205	3,024	3,328
North Dakota	102	136	210	206	222	18	33	212	244	302	298
South Dakota	152	185	297	236	226	26	33	207	326	420	416
Nebraska	197	378	495	503	583	17	43	481	789	994	1,075
Kansas	500	1,001	1,253	1,330	1,359	30	73	1,264	1,574	2,708	2,861
South Atlantic [6]	4,388	4,816	6,398	7,465	8,120			10,384	11,751	13,842	15,566
Maryland [7]	1,700	1,390	1,882	2,239	2,413	131	151	1,675	1,483	2,095	2,279
Virginia	662	608	844	964	1,171	32	49	2,145	1,960	2,138	2,453
West Virginia	425	772	854	853	988	35	59	1,071	1,628	1,762	1,942
North Carolina	192	368	580	777	959	9	31	710	1,046	1,723	2,120
South Carolina	237	351	302	226	289	16	17	848	528	437	618
Georgia	744	876	942	1,197	1,198	29	41	2,638	3,738	3,184	3,424
Florida	428	451	994	1,209	1,102	57	80	1,297	1,368	2,503	2,730
East South Central	3,916	2,861						8,912	8,498	9,239	8,930
Kentucky	855	827	1,365	1,290	1,353	37	72	2,028	2,079	2,188	2,805
Tennessee	652	599	811	972	1,083	30	42	1,813	1,630	2,182	2,451
Alabama	1,785	1,057	[3]	[3]	1,778	84	69	3,381	3,169	3,052	3,674
Mississippi	624	478	649	709	[3]	35		1,690	1,620	1,717	[3]
West South Central	3,269	4,730	5,411	6,391	6,287			7,426	8,379	10,132	11,096
Arkansas	570	957	987	1,233	1,104	36	60	794	1,410	1,241	1,125
Louisiana	750	559	765	755	853	45	42	1,999	1,593	1,746	1,963
Oklahoma	818	1,711	1,080	2,078	1,967	49	84	1,110	1,709	3,281	3,466
Texas	1,131	1,503	1,979	2,325	2,343	29	42	3,523	3,577	3,864	4,532
Mountain	1,812	1,681	2,012	2,139				3,206	2,933	3,688	3,431
Montana	297	243	277	273	278	79	52	691	331	471	503
Idaho	95	119	125	149	[3]	29		220	284	396	[3]
Wyoming	123	125	76	117	133	84	60	257	335	301	318
Colorado	596	562	806	804	843	75	83	851	1,015	1,258	1,209
New Mexico	193	164	193	230	212	59	51	313	239	381	387
Arizona	279	207	257	309	319	137	76	405	355	483	541
Utah	149	186	156	145	164	40	33	270	200	208	212
Nevada	80	75	123	112	166	98	187	199	174	188	261
Pacific	1,739	2,582	3,008	3,207	3,650			4,464	5,253	8,162	9,146
Washington	510	750	827	789	896	45	59	1,249	1,010	1,484	1,620
Oregon	221	262	332	368	405	33	44	399	406	629	697
California	1,008	1,570	1,849	2,050	2,349	42	44	2,816	3,837	6,049	6,829

[1] Excluding 2 institutions not reported.
[2] Excluding 3 institutions not reported.
[3] No report received.
[4] Data for the State prison and house of correction for men only.
[5] Data for 1910 and 1923 include the State workhouse and house of correction; data beginning 1926 include the State reformatory for women, established since 1923.
[6] No State prison or reformatory in Delaware or the District of Columbia.
[7] Includes data for the Maryland house of correction and the State penitentiary.

Source: 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 (see Tables 73, 81, 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.

Rates are affected by the sex and age distribution of the population. Table 74 shows "adjusted" rates taking these factors into consideration, but other tables show crude rates only which are obtained by dividing the number of deaths by the total population.

General tables cover the registration area in continental United States. Hawaii and the Virgin Islands are shown separately in certain tables. Stillbirths, shown in Table 85, are excluded from data for both births and deaths.

Except in Table 74, rates previously published for the years 1920 to 1928 have been revised on the basis of recent population estimates revised to conform with the 1930 census returns.

No. 73.—DEATHS: NUMBER AND RATES IN THE DEATH REGISTRATION AREA, 1880 TO 1929

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[1]	8,538,366	17.0	0.6	169,453	19.8	48,041	28.3	74,810	44.0
1890[1]	19,659,440	31.2	3.0	386,212	19.6	86,790	22.5	133,778	34.6
1900	30,705,618	40.5	7.1	539,939	17.6	111,687	20.7	164,137	30.4
1901	31,370,952	40.3	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	33,345,163	40.4	7.2	551,354	16.5	102,880	18.7	145,902	26.5
1905	34,052,201	40.4	7.2	545,533	16.0	105,553	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	26.7
1908	46,789,913	52.5	24.4	691,574	14.8	136,432	19.7	189,865	27.5
1909	50,870,518	56.1	25.7	732,538	14.4	140,057	19.1	196,534	26.8
1910	53,831,742	58.3	33.6	805,412	15.0	154,373	19.2	217,319	27.0
1911	59,183,071	63.2	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	898,059	13.6	155,075	17.3	214,120	23.8
1915	67,095,681	67.5	41.3	909,155	13.6	148,561	16.3	203,223	22.4
1916	71,349,162	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	78.5	52.0	1,471,367	18.1	193,856	13.2	306,143	20.8
1919	85,166,043	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	1,142,558	13.0	174,710	15.3	248,432	21.7
1921	89,102,434	82.3	58.0	1,032,009	11.6	160,011	15.5	220,088	21.4
1922	93,868,240	85.4	66.1	1,101,863	11.7	158,560	14.4	218,201	19.8
1923	97,816,104	87.7	68.0	1,193,017	12.2	166,274	13.9	233,018	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	218,294	17.9
1926	104,938,301	90.1	74.7	1,285,927	12.3	163,343	12.7	220,824	17.6
1927	108,177,568	91.5	76.5	1,236,949	11.4	147,134	11.9	199,507	16.1
1928	114,258,516	95.3	80.3	1,378,675	12.1	155,858	11.3	216,090	15.7
1929	116,317,515	95.7	88.6	1,386,363	11.9	148,886	10.7	206,028	14.9

[1] Census year ended May 31.

Source: Bureau of the Census, Department of Commerce.

No. 74.—DEATHS: RATE 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. The rates for the registration States of 1900 are based on the population as enumerated January 1, 1920, and the estimated midyear population of 1903, 1913, 1926, and 1927; the rates for the registration States of 1920 are based on the midyear estimates. The population estimates used were computed before the 1930 census was taken and will be revised on the basis of the 1930 returns and the rates here shown for 1923 to 1927 recomputed. The revised data are not as yet available, however. See also general note, p. 77

Sex and age group	Death rates from all causes per 1,000 population										
	Registration States as of 1900					Registration States as of 1920					
	Annual average		1920	1926	1927	1920	1923	1924	1925	1926	1927
	1901–1905	1911–1915									
BOTH SEXES											
All ages:											
Adjusted rate	15.5	14.1	13.2	12.0	11.0	12.7	11.9	11.3	11.5	11.3	11.1
Crude rate	15.8	14.6	13.9	12.8	11.9	13.0	12.4	11.9	11.9	12.3	11.5
Under 1 year	138.2	123.0	106.1	75.2	64.1	96.6	86.3	82.3	75.3	74.3	64.7
1 to 4 years	15.8	11.8	10.7	7.1	5.0	9.8	8.1	6.8	6.3	6.9	5.5
Under 5 years	41.7	34.6	29.1	20.2	16.4	26.5	22.9	21.0	19.7	20.0	17.0
5 to 9 years	4.1	3.1	3.2	2.3	2.3	3.0	2.4	2.2	2.1	2.1	2.1
10 to 14 years	2.7	2.1	2.3	1.7	1.7	2.3	1.9	1.8	1.8	1.7	1.7
15 to 19 years	4.4	3.5	3.8	2.9	2.8	4.1	3.5	3.5	3.3	3.2	3.0
20 to 24 years	6.1	4.9	5.2	3.7	3.5	5.7	4.6	4.6	4.3	4.3	4.0
25 to 34 years	7.5	6.1	6.4	4.3	4.1	6.8	5.1	4.9	4.8	4.8	4.6
35 to 44 years	9.9	9.0	8.0	7.3	7.0	8.2	7.4	7.2	7.3	7.5	7.2
45 to 54 years	14.4	14.3	12.6	13.2	12.4	12.1	12.1	12.0	12.4	13.0	12.5
55 to 64 years	27.1	27.5	25.5	28.2	26.8	23.6	24.4	23.7	25.2	26.3	25.4
65 to 74 years	55.1	58.0	56.7	64.1	61.1	52.3	56.4	55.0	57.6	60.9	58.9
75 years and over	137.8	140.1	141.3	151.3	138.4	133.6	140.9	133.3	141.1	149.7	139.9
MALES											
All ages:											
Adjusted rate	16.5	15.3	13.8	12.9	11.9	13.2	12.6	12.2	12.2	12.6	11.9
Crude rate	16.6	15.5	14.2	13.5	12.5	13.4	13.0	12.7	12.6	13.0	12.3
Under 1 year	152.7	136.7	119.8	84.4	72.9	108.5	96.5	93.0	84.8	83.4	72.8
1 to 4 years	16.5	12.4	11.1	7.6	5.4	10.2	8.6	7.3	6.6	7.3	5.8
Under 5 years	45.3	37.8	32.0	22.4	18.4	29.1	25.2	23.4	21.8	22.1	18.8
5 to 9 years	4.2	3.3	3.4	2.5	2.5	3.1	2.6	2.4	2.3	2.3	2.3
10 to 14 years	2.8	2.2	2.4	1.9	1.9	2.4	2.1	2.0	2.0	1.9	1.8
15 to 19 years	4.4	3.7	3.9	3.1	3.0	4.2	3.6	3.6	3.4	3.3	3.1
20 to 24 years	6.2	5.3	5.0	3.9	3.6	5.4	4.7	4.7	4.3	4.3	4.0
25 to 34 years	7.8	6.5	6.2	4.4	4.2	6.5	5.2	5.0	4.9	4.8	4.6
35 to 44 years	10.6	10.1	8.3	8.0	7.7	8.3	7.8	7.7	7.8	8.0	7.7
45 to 54 years	15.6	15.9	13.1	14.5	13.6	12.5	12.8	12.7	13.2	13.9	13.4
55 to 64 years	29.1	30.1	26.7	30.5	29.1	24.6	25.9	25.4	27.0	28.2	27.6
65 to 74 years	58.2	61.7	58.6	68.4	65.4	54.2	59.1	58.7	61.5	64.9	63.2
75 years and over	142.9	144.6	145.0	155.8	144.3	136.1	144.2	138.8	145.7	154.5	145.8
FEMALES											
All ages:											
Adjusted rate	14.6	13.0	12.6	11.1	10.2	12.2	11.2	10.6	10.8	11.1	10.3
Crude rate	14.9	13.8	13.5	12.2	11.2	12.6	11.8	11.1	11.2	11.8	10.8
Under 1 year	123.3	109.0	92.2	65.8	55.2	84.4	75.9	71.4	65.6	64.9	56.3
1 to 4 years	15.2	11.3	10.2	6.6	4.7	9.3	7.7	6.4	5.9	6.5	5.1
Under 5 years	38.0	31.2	26.0	18.0	14.4	23.9	20.6	18.6	17.5	17.8	15.1
5 to 9 years	4.0	2.9	3.0	2.1	2.0	2.8	2.2	2.0	1.9	1.9	1.9
10 to 14 years	2.7	2.0	2.1	1.6	1.5	2.1	1.7	1.6	1.6	1.5	1.5
15 to 19 years	4.4	3.2	3.7	2.8	2.6	4.0	3.5	3.4	3.2	3.2	3.0
20 to 24 years	5.9	4.5	5.3	3.6	3.4	5.9	4.5	4.5	4.3	4.2	4.0
25 to 34 years	7.3	5.6	6.7	4.3	4.1	7.2	5.1	4.8	4.8	4.8	4.6
35 to 44 years	9.0	7.9	7.6	6.5	6.1	8.0	6.9	6.6	6.9	7.0	6.7
45 to 54 years	13.1	12.6	12.1	11.7	11.2	11.6	11.3	11.1	11.4	11.9	11.5
55 to 64 years	25.1	24.9	24.2	25.8	24.3	22.5	22.7	21.8	23.2	24.3	23.0
65 to 74 years	52.1	54.5	55.0	60.1	56.9	50.2	53.6	51.0	53.5	56.7	54.4
75 years and over	133.3	136.4	138.4	147.6	133.6	131.4	137.9	128.5	137.2	145.4	134.6

Source: Bureau of the Census, Department of Commerce.

No. 75.—DEATHS: Rates per 1,000 Estimated Population in the Death Registration Area, Distinguishing Cities, and Rural Area

Note.—See general note, p. 77. Rates for white and colored are not shown as heretofore, since revised estimates of the white and colored population for the entire death registration area are not yet available

Year	Registration area	All registration cities	Rural part of registration area	Year	Registration area	All registration cities	Rural part of registration area
1913	14.1	15.3	12.7	1922	11.7	12.7	10.8
1914	13.6	14.8	12.3	1923	12.2	13.2	11.2
1915	13.6	14.6	12.3	1924	11.7	12.8	10.7
1916	14.0	15.2	12.9	1925	11.8	13.0	10.8
1917	14.3	15.5	13.0	1926	12.3	13.4	11.2
1918	18.1	20.0	16.3	1927	11.4	12.5	10.4
1919	12.9	13.9	11.9	1928	12.1	13.3	11.0
1920	13.0	14.2	11.9	1929	11.9	13.1	10.9
1921	11.6	12.4	10.8				

No. 76.—DEATHS: Number in the Death Registration States

Note.—See general note, p. 77

Registration States	1927	1928	1929	Registration States	1927	1928	1929
Total [1]	1,211,627	1,361,987	1,369,757	Minnesota	24,688	25,977	25,692
				Mississippi	23,203	25,886	25,830
Alabama	27,062	31,847	32,430	*White*	*8,347*	*10,253*	*10,206*
White	*14,278*	*16,624*	*17,145*	*Colored*	*14,856*	*15,633*	*15,624*
Colored	*12,780*	*15,223*	*15,284*	Missouri	40,753	45,268	44,281
Arizona	5,881	6,444	6,703				
				Montana	5,342	5,780	5,742
Arkansas	18,311	19,998	19,479	Nebraska	12,369	13,660	13,377
White	*11,926*	*13,139*	*12,869*	Nevada	(2)	(2)	1,199
Colored	*6,385*	*6,859*	*6,610*	New Hampshire	6,329	6,442	6,542
California	61,540	66,106	65,445	New Jersey	42,128	44,962	46,142
Colorado	13,082	14,077	12,874				
				New Mexico	(2)	(2)	6,428
Connecticut	16,767	17,938	18,282	New York	149,899	151,040	153,985
Delaware	3,007	3,196	3,132	North Carolina	32,917	36,160	36,919
Dist. of Columbia	6,986	7,239	7,428	*White*	*19,844*	*22,413*	*22,564*
White	*4,806*	*4,472*	*4,583*	*Colored*	*13,073*	*13,747*	*14,355*
Colored	*2,680*	*2,767*	*2,845*	North Dakota	5,211	5,513	5,421
				Ohio	73,515	80,198	81,332
Florida	18,151	18,943	18,194				
White	*10,887*	*11,382*	*10,911*	Oklahoma	(2)	20,953	21,398
Colored	*7,264*	*7,561*	*7,283*	*White*	(2)	*18,055*	*18,274*
Georgia	(2)	36,011	35,344	*Colored*	(2)	*2,900*	*3,124*
White	(2)	*18,610*	*18,257*	Oregon	10,206	10,439	10,608
Colored	(2)	*17,401*	*17,087*	Pennsylvania	111,252	119,607	117,365
				Rhode Island	7,897	8,394	8,916
Idaho	3,787	4,177	4,075				
Illinois	82,849	90,195	87,788	South Carolina	21,740	24,427	23,053
Indiana	37,677	40,490	40,977	*White*	*8,961*	*10,411*	*9,450*
Iowa	24,532	25,315	25,681	*Colored*	*12,779*	*14,016*	*13,603*
Kansas	18,582	20,046	19,302	Tennessee	29,029	31,404	31,595
				White	*20,549*	*22,344*	*22,694*
Kentucky	27,209	30,390	31,109	*Colored*	*8,480*	*9,060*	*8,901*
White	*22,786*	*25,653*	*26,276*				
Colored	*4,423*	*4,737*	*4,833*	Utah	4,737	5,109	5,062
Louisiana	23,875	24,987	24,723	Vermont	4,882	4,888	5,295
White	*11,878*	*12,843*	*12,613*	Virginia	28,772	30,211	31,262
Colored	*11,997*	*12,144*	*12,110*	*White*	*17,503*	*18,458*	*19,328*
				Colored	*11,269*	*11,753*	*11,934*
Maine	10,958	11,005	11,353				
Maryland	21,102	21,714	21,873	Washington	15,950	16,723	16,413
White	*15,827*	*16,417*	*16,681*	West Virginia	16,989	17,507	18,128
Colored	*5,276*	*5,297*	*5,192*	Wisconsin	29,567	31,788	31,287
Massachusetts	49,285	51,034	51,916	Wyoming	1,976	2,155	2,010
Michigan	50,643	54,794	56,118				
				Hawaii [3]	4,046	4,120	4,383
				Virgin Islands [3]	504	653	533

[1] Including District of Columbia. [2] Not in the registration area. [3] Not included in totals.

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

No. 77.—DEATHS: Rate per 1,000 Population, by States

Note.—See general note, p. 77

Registration States	Death rate per 1,000 estimated population										
	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929
Total[1]	12.8	13.0	11.5	11.7	12.2	11.7	11.8	12.2	11.4	12.0	11.9
Alabama	(2)	(2)	(2)	(2)	(2)	(2)	11.6	11.7	10.5	12.3	12.4
White	(2)	(2)	(2)	(2)	(2)	(2)	*9.5*	*9.6*	*8.7*	*10.0*	*10.2*
Colored	(2)	(2)	(2)	(2)	(2)	(2)	*15.3*	*15.4*	*13.7*	*16.2*	*16.2*
Arizona	(2)	(2)	(2)	(2)	(2)	(2)	(2)	14.0	14.4	15.4	15.9
Arkansas	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	10.0	10.9	10.5
White	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	*8.8*	*9.7*	*9.4*
Colored	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	*13.4*	*14.3*	*13.8*
California	13.7	13.3	12.6	13.1	13.0	12.9	12.3	12.1	12.1	12.5	11.9
Colorado	12.9	14.5	12.5	13.7	12.7	12.8	12.7	12.3	13.0	13.8	12.5
Connecticut	13.3	13.6	11.4	12.1	12.2	11.5	11.8	12.0	10.8	11.4	11.5
Delaware	15.5	14.6	13.2	13.2	14.1	13.1	13.5	14.8	12.8	13.6	13.2
Florida	12.4	12.8	11.3	11.5	12.4	13.4	13.6	15.6	13.6	13.7	12.7
White	*11.5*	*11.6*	*10.1*	*10.2*	*10.8*	*11.4*	*11.9*	*13.7*	*11.7*	*11.8*	*10.8*
Colored	*14.3*	*15.3*	*13.8*	*14.1*	*15.7*	*17.5*	*17.4*	*19.9*	*17.9*	*18.2*	*17.1*
Georgia	(2)	(2)	(2)	10.7	11.7	12.0	(2)	(2)	(2)	12.4	12.2
White	(2)	(2)	(2)	*9.3*	*10.1*	*10.1*	(2)	(2)	(2)	*10.9*	*10.0*
Colored	(2)	(2)	(2)	*12.6*	*14.0*	*14.8*	(2)	(2)	(2)	*15.9*	*15.8*
Idaho	(2)	(2)	(2)	8.6	7.6	8.7	7.8	8.8	8.6	9.4	9.2
Illinois	12.0	12.6	11.0	11.2	11.9	11.0	11.5	11.8	11.3	12.1	11.6
Indiana	12.7	13.4	11.8	11.9	12.8	12.1	12.5	12.8	11.9	12.7	12.7
Iowa	(2)	(2)	(2)	(2)	10.5	9.8	10.0	10.4	10.0	10.3	*10.4*
Kansas	10.8	11.4	10.1	10.5	10.9	9.8	10.2	10.4	10.0	11.2	10.4
Kentucky	12.8	11.8	10.5	10.7	11.8	10.7	11.3	11.8	10.6	*11.8*	*12.0*
White	*11.8*	*11.0*	*9.7*	*9.9*	*11.0*	*9.8*	*10.4*	*10.9*	*9.8*	*10.9*	*11.1*
Colored	*21.2*	*19.4*	*17.7*	*18.0*	*19.0*	*19.4*	*20.2*	*20.9*	*19.3*	*20.8*	*21.3*
Louisiana	12.9	11.9	10.9	11.1	11.8	12.7	12.8	12.2	11.8	12.2	11.9
White	*10.6*	*9.8*	*9.2*	*9.3*	*9.8*	*10.3*	*10.0*	*9.9*	*9.4*	*10.0*	*9.7*
Colored	*16.4*	*15.2*	*13.7*	*13.9*	*14.9*	*16.6*	*17.3*	*16.9*	*15.8*	*15.9*	*15.7*
Maine	14.6	15.4	14.0	14.7	15.0	13.8	13.8	14.4	13.9	13.9	14.3
Maryland	15.3	14.6	13.5	13.6	14.6	13.7	14.0	14.5	13.3	13.0	13.5
White	*13.3*	*13.3*	*12.3*	*12.5*	*13.4*	*12.6*	*12.6*	*13.2*	*12.0*	*12.4*	*12.4*
Colored	*22.3*	*21.1*	*18.4*	*19.0*	*20.9*	*19.5*	*20.9*	*20.6*	*19.6*	*18.5*	*18.9*
Massachusetts	13.6	13.8	12.2	12.9	13.1	12.3	12.7	12.8	11.9	12.2	12.3
Michigan	12.6	13.8	11.5	11.1	12.1	11.3	11.5	12.3	11.2	11.8	11.9
Minnesota	10.5	10.7	9.5	9.7	10.3	10.0	10.2	10.3	9.8	10.3	10.1
Mississippi	12.7	12.2	10.9	10.5	10.9	11.2	11.6	12.3	11.9	13.1	13.0
White	*9.6*	*9.3*	*8.4*	*8.3*	*8.6*	*8.6*	*8.8*	*9.7*	*9.2*	*10.5*	*10.3*
Colored	*16.4*	*15.0*	*13.5*	*12.6*	*13.1*	*13.7*	*14.3*	*14.8*	*14.5*	*15.6*	*15.6*
Missouri	*11.8*	12.5	10.8	11.2	12.1	11.6	11.7	12.1	11.4	12.6	12.3
Montana	10.7	9.6	8.6	*9.3*	*9.0*	9.1	9.6	10.0	9.9	10.7	10.7
Nebraska	(2)	10.0	9.2	9.4	9.5	9.3	9.3	9.4	9.1	10.0	9.8
Nevada	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	13.3
New Hampshire	14.7	15.2	13.7	14.6	15.0	14.0	11.4	14.7	13.8	14.0	14.1
New Jersey	13.1	12.9	11.5	12.0	12.0	11.5	11.6	12.1	11.1	11.6	11.6
New Mexico	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	15.4
New York	13.9	13.8	12.2	12.7	12.7	12.4	12.3	12.8	11.7	12.4	12.4
North Carolina	12.2	12.6	11.1	11.4	11.6	11.8	11.3	11.7	10.9	11.8	11.8
White	*10.6*	*11.2*	*9.8*	*10.1*	*10.2*	*10.1*	*9.7*	*10.1*	*9.4*	*10.4*	*10.2*
Colored	*15.9*	*15.9*	*14.2*	*14.4*	*15.0*	*15.7*	*14.9*	*15.5*	*14.6*	*15.1*	*15.5*
North Dakota	(2)	(2)	(2)	(2)	(2)	7.3	7.6	7.9	7.8	8.2	8.0
Ohio	12.7	12.8	11.4	11.4	12.4	11.4	11.8	12.4	11.5	12.3	12.4
Oklahoma	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	9.0	9.6
White	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	*8.7*	*8.7*
Colored	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	*11.4*	*12.0*
Oregon	11.4	11.7	10.3	11.3	10.7	11.1	11.0	11.1	11.2	11.3	11.3
Pennsylvania	13.4	13.8	12.4	12.4	13.4	12.4	12.6	13.0	11.9	12.6	12.3
Rhode Island	14.2	14.3	12.6	13.0	13.6	*13.0*	12.7	13.4	11.9	12.5	13.1
South Carolina	*13.8*	14.1	12.0	12.2	12.1	*13.4*	12.8	*13.6*	12.6	14.1	13.3
White	*10.6*	*11.4*	*9.8*	*9.8*	*9.6*	*10.5*	*9.8*	*10.8*	*9.8*	*11.3*	*10.1*
Colored	*16.7*	*16.6*	*14.2*	*14.7*	*14.7*	*16.5*	*16.1*	*17.3*	*16.7*	*17.4*	*17.0*
Tennessee	12.2	12.1	10.6	10.7	11.7	11.4	11.2	12.5	11.4	12.2	12.2
White	*10.8*	*10.7*	*9.4*	*9.6*	*10.2*	*9.7*	*9.6*	*10.8*	*9.9*	*10.7*	*10.7*
Colored	*18.4*	*18.0*	*15.8*	*16.0*	*18.0*	*18.5*	*18.1*	*19.7*	*18.0*	*19.1*	*18.7*
Utah	11.0	11.5	10.4	10.5	9.6	10.6	9.3	10.6	9.6	10.3	10.1
Vermont	14.4	15.7	14.1	14.6	15.1	13.7	14.4	14.6	13.6	13.6	14.7
Virginia	13.7	13.2	12.3	12.3	13.1	12.4	12.4	12.9	12.0	12.6	13.0
White	*11.5*	*11.3*	*10.5*	*10.4*	*11.3*	*10.5*	*10.3*	*11.0*	*10.1*	*10.6*	*11.0*
Colored	*18.8*	*17.6*	*16.5*	*16.7*	*17.7*	*17.0*	*17.6*	*17.9*	*17.0*	*17.9*	*18.2*
Washington	10.7	11.1	9.6	10.1	9.7	10.1	10.4	10.5	10.6	10.9	*10.6*
West Virginia	(2)	(2)	(2)	(2)	(2)	(2)	10.7	11.1	10.2	10.4	10.6
Wisconsin	10.7	11.2	10.3	10.1	10.7	10.2	10.5	10.7	10.4	11.0	10.7
Wyoming	(2)	(2)	(2)	9.6	10.6	9.9	9.0	8.9	9.1	9.8	9.0
Hawaii[3]	15.3	17.6	14.4	15.4	15.7	13.1	13.0	11.9	12.0	11.8	12.2

[1] Includes District of Columbia (see rates under Washington, Table 81).
[2] Not in registration area.
[3] Not included in total.

Source: Bureau of the Census, Department of Commerce.

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

NOTE.—See general note, p. 77

Detailed Int. List No.	Cause of death	Number of deaths, registration area, 1929	Registration area—rate								Registration States of 1900—rate					
			1900	1910	1920	1925	1926	1927	1928	1929	1900	1910	1920	1927	1928	1929
	All causes	1,386,363	1,755.0	1,496.2	1,303.8	1,184.1	1,225.4	1,143.4	1,206.6	1,191.9	1,719.5	1,562.4	1,376.0	1,173.1	1,229.3	1,234.3
1	Typhoid and paratyphoid fever	4,854	35.9	23.5	7.8	8.0	6.5	5.5	4.9	4.2	31.3	18.0	4.9	1.9	1.9	1.6
5	Malaria	4,084	7.9	2.2	3.6	2.1	1.9	2.7	3.6	3.5	6.2	1.3	.2	.1	.1	.1
7	Measles	2,923	12.5	12.3	3.8	2.3	3.2	4.1	5.4	2.5	13.4	12.6	10.3	1.9	5.5	2.5
8	Scarlet fever	2,468	10.2	11.6	4.6	2.7	2.5	2.3	2.0	2.1	9.6	12.2	5.2	2.6	2.1	1.9
9	Whooping cough	7,310	12.1	11.4	12.5	6.7	8.9	6.9	5.5	6.3	12.2	10.7	11.9	4.7	5.1	4.2
10	Diphtheria	7,685	43.3	21.4	15.3	7.8	7.5	7.8	7.2	6.6	40.4	22.5	17.3	8.4	7.4	6.7
11, 101	Influenza and pneumonia	127,490	181.5	115.1	153.4	84.7	99.5	69.4	103.9	109.6	179.4	121.8	144.3	66.3	86.3	96.8
21	Erysipelas	2,887	5.1	4.5	3.1	2.4	2.6	2.4	2.4	2.5	5.4	4.9	3.6	3.0	2.8	3.1
24	Meningococcus meningitis	5,208	(1)	.4	1.6	1.1	1.3	1.6	2.6	4.5	(1)	.3	1.8	1.3	3.2	5.5
31, 37a	Tuberculosis of the respiratory system and acute disseminated tuberculosis	80,204	181.8	139.7	100.6	77.2	78.0	72.6	71.5	69.0	174.5	142.0	97.0	66.8	66.6	64.7
32–36, 37b	Other forms of tuberculosis	8,148	20.1	20.6	13.4	9.5	9.3	8.4	7.8	7.0	20.7	22.7	14.7	8.6	8.3	7.2
43–49	Cancer and other malignant tumors	111,569	63.0	76.2	83.2	92.8	95.1	95.7	96.1	95.9	64.0	83.0	98.7	114.7	115.8	117.3
57	Diabetes mellitus	21,829	9.7	14.9	16.0	16.9	18.0	17.5	19.0	18.8	11.0	17.6	20.4	22.0	23.6	24.1
74a, 83	Cerebral hemorrhage and softening	95,546	71.5	75.3	81.9	81.0	82.8	80.3	83.4	82.1	76.5	88.0	96.4	86.7	89.4	87.4
87–90	Diseases of the heart	245,244	132.1	158.8	159.1	185.7	199.5	196.0	208.2	210.8	137.4	180.9	197.6	238.7	259.2	266.4
99, 100	Bronchitis and bronchopneumonia	49,160	67.6	70.5	67.7	45.2	50.6	39.2	44.8	42.3	68.1	79.2	82.0	43.9	50.3	49.5
113, 114	Diarrhea and enteritis [2]	27,357	133.2	117.4	54.3	39.4	33.6	27.6	26.0	23.5	139.9	119.4	55.6	19.9	19.0	17.7
117	Appendicitis and typhlitis	17,687	9.7	11.4	13.4	15.2	15.0	15.0	15.3	15.2	8.8	11.1	13.2	15.0	15.2	15.9
118	Hernia, intestinal obstruction [3]	12,283	12.2	12.4	10.6	10.8	11.2	10.5	10.5	10.6	11.9	12.6	11.1	10.6	10.5	10.6
122	Cirrhosis of the liver	8,377	12.9	13.9	7.1	7.3	7.2	7.5	7.6	7.2	12.5	14.4	7.7	8.0	8.4	8.1
128, 129	Acute and chronic nephritis	106,056	89.0	99.0	89.2	96.5	93.5	92.6	95.2	91.2	88.7	107.3	97.4	94.6	94.6	90.8
146	Puerperal septicemia	5,822	5.7	7.2	6.6	5.5	5.3	5.3	5.0	5.0	5.8	6.7	6.0	4.8	4.3	4.2
143–145, 147–150	Other puerperal causes	9,496	7.6	8.5	12.5	9.3	9.1	8.5	8.8	8.2	7.7	8.4	11.5	7.7	7.4	7.0
159–163	Congenital malformations and diseases of early infancy	72,559	91.8	88.1	84.7	74.0	71.7	67.8	65.8	62.4	88.2	94.6	90.8	68.7	66.1	62.6
165–174	Suicide	16,260	11.5	16.0	10.2	12.1	12.8	13.3	13.6	14.0	10.2	15.4	10.9	14.2	14.9	15.6
197–200	Homicide	9,909	2.1	5.9	7.1	8.6	8.8	8.8	8.8	8.5	1.2	3.9	4.2	5.0	4.8	5.0
Part 188a	Automobile and railroad-train collision	1,958	(1)	(1)	(1)	1.2	1.5	1.5	1.8	1.7	(1)	(1)	(1)	1.6	1.7	1.6
Part 188b	Automobile and street-car collision	507	(1)	(1)	(1)	.5	.4	.4	.5	.4	(1)	(1)	(1)	.5	.5	.4
188c	Automobile accidents [4]	27,066	(1)	1.8	10.4	17.1	18.0	19.6	20.8	23.3	(1)	2.0	12.1	21.3	22.4	25.1
	Other external causes	64,502	79.0	82.6	60.9	59.7	58.9	57.0	56.3	55.5	72.3	75.8	58.5	53.7	54.2	53.6

[1] Not separately tabulated.
[2] Includes ulcer of the duodenum from 1900 to 1920.
[3] Includes adhesions of intestines from 1900 to 1920.
[4] Excludes collisions with railroad trains and street cars.

Source: Bureau of the Census, Department of Commerce.

No. 79.—DEATHS: NUMBER AND RATE PER 100,000 POPULATION, FROM TUBERCULOSIS, CANCER, DISEASES OF THE HEART, AND NEPHRITIS, BY STATES

State	Tuberculosis (all forms)			Cancer and other malignant tumors			Diseases of the heart			Nephritis		
	Number of deaths	Rate		Number of deaths	Rate		Number of deaths	Rate		Number of deaths	Rate	
	1929	1928	1929	1929	1928	1929	1929	1928	1929	1929	1928	1929
Registration States[1]	**86,385**	**78.7**	**75.5**	**110,481**	**96.2**	**96.0**	**243,524**	**208.8**	**211.6**	**105,068**	**95.4**	**91.3**
Alabama	2,248	89.9	85.7	1,339	51.4	51.0	3,729	141.4	142.1	2,370	92.0	90.3
White	*833*	*51.8*	*49.5*	*982*	*58.8*	*56.4*	*1,961*	*119.3*	*116.0*	*1,812*	*77.2*	*78.0*
Colored	*1,415*	*157.2*	*150.2*	*407*	*47.2*	*43.2*	*1,778*	*180.3*	*183.7*	*1,058*	*118.4*	*112.3*
Arizona	1,563	364.1	365.1	240	56.4	56.1	503	121.5	117.5	213	53.6	49.7
Arkansas	1,482	83.2	80.2	791	43.7	42.8	1,989	104.9	107.7	1,273	72.8	68.9
White	*772*	*58.3*	*56.4*	*650*	*48.9*	*47.5*	*1,562*	*96.9*	*99.6*	*827*	*63.0*	*60.4*
Colored	*710*	*154.0*	*148.3*	*141*	*34.3*	*29.5*	*427*	*127.6*	*131.0*	*446*	*100.6*	*93.2*
California	5,871	114.6	106.5	6,512	121.4	118.1	13,533	247.8	245.5	4,660	88.1	84.5
Colorado	1,282	138.8	124.6	1,028	99.8	99.9	1,775	182.6	172.5	817	85.8	79.4
Connecticut	1,034	71.2	65.0	1,901	114.3	119.5	3,981	242.8	250.3	1,310	89.1	82.4
Delaware	*195*	*83.6*	*82.2*	*245*	*103.5*	*103.3*	*576*	*268.1*	*242.8*	*339*	*149.3*	*142.9*
Florida	1,007	80.4	70.3	984	64.5	68.7	2,539	182.9	177.3	1,610	124.8	113.1
White	*411*	*50.4*	*40.8*	*796*	*79.5*	*79.1*	*1,759*	*183.0*	*174.8*	*982*	*113.9*	*97.6*
Colored	*596*	*150.2*	*140.1*	*188*	*43.6*	*44.2*	*780*	*182.5*	*183.4*	*637*	*150.2*	*140.8*
Georgia	2,219	82.1	76.0	1,459	52.3	50.2	4,150	142.2	142.7	3,379	117.8	116.1
White	*760*	*46.1*	*44.1*	*988*	*56.4*	*54.1*	*2,167*	*117.1*	*118.7*	*1,843*	*99.8*	*100.9*
Colored	*1,460*	*141.6*	*135.0*	*471*	*45.5*	*43.6*	*1,983*	*183.8*	*183.4*	*1,535*	*143.4*	*141.8*
Idaho	166	42.5	37.4	350	74.3	78.8	680	140.7	153.1	272	66.4	61.3
Illinois	5,256	73.7	69.6	8,093	106.4	107.2	17,606	238.0	233.3	8,227	116.8	109.0
Indiana	2,386	73.6	74.2	3,445	106.8	107.1	7,684	235.3	238.9	3,615	117.0	112.4
Iowa	821	34.6	33.3	2,739	111.2	111.1	4,490	174.1	182.1	1,637	66.5	66.4
Kansas	700	39.9	37.4	1,707	98.9	91.1	3,208	182.3	171.3	1,542	87.7	82.3
Kentucky	2,743	107.1	105.5	1,750	69.4	67.3	4,112	159.2	158.1	2,390	95.4	91.9
White	*2,189*	*94.9*	*92.2*	*1,585*	*66.9*	*66.8*	*3,516*	*153.8*	*153.7*	*1,932*	*85.1*	*81.4*
Colored	*554*	*232.6*	*244.2*	*165*	*94.4*	*78.7*	*796*	*336.6*	*350.9*	*458*	*222.6*	*201.5*
Louisiana	1,807	87.9	86.9	1,355	66.1	65.2	3,965	181.5	190.7	2,227	108.9	107.1
White	*661*	*52.6*	*50.6*	*915*	*70.6*	*70.1*	*2,022*	*151.6*	*154.8*	*1,169*	*93.1*	*89.5*
Colored	*1,146*	*146.9*	*148.2*	*440*	*53.6*	*56.9*	*1,943*	*231.7*	*251.3*	*1,058*	*135.3*	*136.8*
Maine	430	60.4	60.4	1,120	134.9	140.8	2,189	265.0	275.3	825	110.7	103.7
Maryland	1,683	100.4	104.0	1,774	114.4	109.6	3,929	237.7	242.8	2,368	144.6	146.3
White	*1,019*	*76.6*	*76.9*	*1,646*	*121.8*	*115.0*	*3,174*	*229.1*	*230.3*	*1,856*	*134.6*	*138.1*
Colored	*664*	*257.2*	*241.5*	*229*	*78.4*	*83.3*	*755*	*279.6*	*274.6*	*513*	*193.9*	*186.6*
Massachusetts	2,925	74.3	69.3	5,611	133.0	132.9	11,579	267.8	274.3	3,334	84.3	79.0
Michigan	3,161	67.6	66.5	4,432	92.5	94.2	10,396	218.6	218.6	2,992	67.9	62.9
Minnesota	1,432	57.1	56.1	2,979	116.0	116.8	4,329	172.0	169.7	1,374	56.4	53.9
Mississippi	1,769	95.6	85.3	1,011	52.3	50.7	2,498	123.6	125.3	2,222	113.0	111.4
White	*412*	*43.5*	*41.7*	*581*	*59.5*	*58.8*	*1,158*	*118.3*	*117.8*	*878*	*88.4*	*88.9*
Colored	*1,288*	*146.4*	*128.0*	*430*	*45.6*	*42.7*	*1,340*	*128.6*	*133.2*	*1,344*	*136.9*	*133.6*
Missouri	2,730	81.6	75.6	3,926	107.6	108.7	7,406	202.4	205.0	4,441	132.4	122.9
Montana	354	66.2	65.7	471	83.2	87.5	911	160.1	169.2	366	61.7	68.0
Nebraska	432	26.3	31.5	1,353	96.6	98.6	2,194	171.6	159.9	922	65.2	67.2
Nevada	87	(2)	96.6	80	(2)	88.8	165	(2)	183.2	72	(2)	79.9
New Hampshire	237	66.5	51.1	621	138.7	133.9	1,399	297.3	299.8	531	102.5	114.5
New Jersey	2,845	72.0	71.5	4,277	104.9	107.6	10,031	242.0	252.3	3,982	106.1	100.1
New Mexico	852	(2)	203.5	208	(2)	49.7	384	(2)	91.7	241	(2)	57.6
New York	9,346	79.1	75.2	15,168	121.0	122.1	36,105	281.1	290.5	11,471	95.0	92.3
North Carolina	2,636	80.1	84.3	1,602	49.6	51.3	4,717	142.1	150.9	3,194	96.3	102.2
White	*1,165*	*53.1*	*52.9*	*1,197*	*52.7*	*54.4*	*3,045*	*132.9*	*138.3*	*1,945*	*86.1*	*88.3*
Colored	*1,471*	*144.8*	*159.3*	*405*	*42.2*	*45.8*	*1,672*	*163.9*	*181.0*	*1,249*	*122.1*	*135.2*
North Dakota	234	43.4	34.5	457	68.9	67.4	796	101.8	117.3	265	44.7	39.1
Ohio	4,593	73.5	69.8	6,896	103.3	104.8	14,921	223.4	226.7	5,249	82.2	79.8
Oklahoma	1,296	53.8	54.7	1,218	50.1	51.4	2,130	82.0	90.3	1,123	43.7	47.4
White	*867*	*42.5*	*41.1*	*1,180*	*58.1*	*55.6*	*1,864*	*79.9*	*88.4*	*957*	*46.6*	*45.4*
Colored	*429*	*145.7*	*164.4*	*38*	*25.8*	*33.7*	*275*	*99.5*	*105.4*	*166*	*66.2*	*65.6*
Oregon	474	55.9	50.4	1,015	114.3	107.8	2,130	216.3	226.3	751	78.3	79.8
Pennsylvania	6,317	71.4	66.0	9,907	102.4	103.6	22,592	237.8	236.2	10,028	111.9	104.8
Rhode Island	472	73.1	69.3	925	125.6	135.7	1,775	247.3	260.5	735	119.3	107.9
South Carolina	1,401	87.4	80.8	757	45.9	43.6	2,999	165.2	172.9	2,288	131.4	131.9
White	*543*	*39.3*	*36.7*	*464*	*32.9*	*33.6*	*1,292*	*151.3*	*138.2*	*1,048*	*113.0*	*111.6*
Colored	*1,058*	*141.9*	*132.3*	*302*	*37.8*	*37.9*	*1,707*	*181.1*	*213.4*	*1,245*	*512.3*	*155.6*
Tennessee	3,157	130.6	121.6	1,536	59.3	59.2	3,511	133.8	135.2	1,868	70.1	72.0
White	*2,051*	*99.0*	*96.7*	*1,264*	*60.1*	*59.1*	*2,450*	*118.1*	*114.6*	*1,332*	*67.8*	*62.8*
Colored	*1,106*	*270.3*	*232.3*	*232*	*57.2*	*59.3*	*1,081*	*226.6*	*227.1*	*536*	*129.3*	*112.6*
Utah	138	20.7	27.4	349	76.5	69.3	837	143.6	166.2	317	72.1	63.0

[1] Including District of Columbia.

[2] Not in registration area.

No. 79.—Deaths: Number and Rate per 100,000 Population from Tuberculosis, Cancer, Diseases of the Heart, and Nephritis, by States—Con.

State	Tuberculosis (all forms)			Cancer and other malignant tumors			Diseases of the heart			Nephritis		
	Number of deaths	Rate		Number of deaths	Rate		Number of deaths	Rate		Number of deaths	Rate	
	1929	1928	1929	1929	1928	1929	1929	1928	1929	1929	1928	1929
Vermont	250	73.7	69.6	465	137.3	129.5	1,092	272.3	304.1	445	105.2	123.9
Virginia	2,418	103.8	100.2	1,689	70.0	70.0	4,730	198.4	196.3	2,758	119.5	114.3
White	*1,182*	*69.0*	*67.2*	*1,503*	*73.6*	*74.1*	*2,987*	*169.9*	*169.8*	*1,714*	*103.6*	*97.4*
Colored	*1,236*	*196.1*	*188.9*	*186*	*60.5*	*59.0*	*1,752*	*273.8*	*267.8*	*1,044*	*161.6*	*159.6*
Washington	1,032	69.0	66.7	1,661	112.4	107.3	3,064	198.3	197.9	1,066	71.9	68.9
West Virginia	1,184	73.0	69.2	988	62.3	57.8	2,135	117.1	124.9	1,196	77.4	70.0
Wisconsin	1,603	59.0	55.0	3,248	112.0	111.4	6,176	199.5	211.8	1,978	74.0	67.8
Wyoming	76	38.1	34.0	107	60.4	47.9	261	112.6	116.9	98	52.7	43.9
Dist. of Columbia	571	122.7	118.2	642	130.6	132.8	1,614	331.5	334.0	681	140.5	140.9
White	*227*	*71.6*	*64.5*	*495*	*142.3*	*140.6*	*1,057*	*298.8*	*300.3*	*425*	*115.9*	*120.7*
Colored	*344*	*261.0*	*262.1*	*147*	*99.1*	*112.0*	*557*	*419.8*	*424.3*	*256*	*206.8*	*195.0*

Source: Bureau of the Census Department of Commerce.

No. 80.—DEATHS: Rate per 1,000 estimated Population, by Registration Cities having 100,000 or more Inhabitants in 1920

City	Rate per 1,000 population					City	Rate per 1,000 population				
	1920	1926	1927	1928	1929		1920	1926	1927	1928	1929
Akron	11.7	9.2	8.3	10.2	9.4	New Orleans	17.6	18.3	18.1	18.5	17.3
Albany	15.7	16.3	15.4	16.0	16.1						
Atlanta	17.1	15.7	15.1	16.4	15.7	New York	12.9	11.8	10.7	11.7	11.7
Baltimore	15.4	15.7	14.7	15.0	14.5	Bronx Borough	10.4	8.6	8.1	9.2	9.3
Birmingham	16.3	16.2	14.5	15.8	15.3	Brooklyn Borough	12.5	11.4	10.3	11.0	10.6
Boston	15.5	15.2	14.4	14.9	15.0	Manhattan Borough	14.4	14.9	13.5	14.9	14.3
Bridgeport	13.0	11.6	10.4	11.8	11.9	Queens Borough	11.0	9.2	8.7	9.6	9.5
Buffalo	14.7	14.2	13.0	13.7	13.9	Richmond Borough	15.0	13.9	12.1	13.7	14.2
Cambridge	14.9	13.2	12.4	13.1	12.6						
Camden	14.9	15.0	13.9	14.4	14.1						
Chicago	12.7	11.4	11.2	12.1	11.2	Norfolk	15.5	13.8	13.1	14.3	15.0
Cincinnati	15.0	16.4	15.7	17.1	16.8	Oakland	11.8	10.8	11.1	11.6	11.3
Cleveland	12.5	12.3	10.9	11.8	12.2	Omaha	14.4	13.6	12.8	13.7	13.4
Columbus	14.8	14.5	14.1	14.8	14.5	Paterson	12.8	13.3	12.7	13.3	13.4
Dallas	13.3	12.2	10.3	10.9	11.6	Philadelphia	14.5	14.5	12.9	13.9	13.0
Dayton	12.2	11.8	11.8	11.3	11.4	Pittsburgh	16.4	14.2	13.9	15.4	14.5
Denver	17.4	14.3	15.0	16.6	14.6	Portland, Oreg.	12.2	11.8	12.3	12.5	12.6
Des Moines	(1)	12.6	11.8	12.3	11.9	Providence	15.5	14.3	12.7	14.0	14.4
Detroit	13.5	12.3	10.5	11.1	10.9	Reading	14.5	13.1	11.0	12.1	11.8
Fall River	14.7	14.6	12.4	12.2	13.2	Richmond	16.5	17.0	15.1	15.5	16.1
Fort Worth	(1)	10.3	9.9	11.7	11.6	Rochester	12.7	13.0	11.8	12.4	12.
Grand Rapids	13.2	11.3	9.8	10.9	10.3	St. Louis	14.1	14.4	13.4	14.9	14.5
Hartford	16.5	13.8	13.2	13.4	13.8	St. Paul	12.5	11.8	11.3	11.5	10.9
Houston	13.5	13.3	12.8	12.6	12.5	Salt Lake City	14.3	12.9	12.4	12.8	12.9
Indianapolis	14.6	14.9	14.0	15.0	14.7	San Antonio	16.2	14.6	14.3	16.4	16.2
						San Francisco	14.2	13.0	13.0	13.5	13.0
Jersey City	14.1	12.3	11.4	12.7	12.4						
Kansas City, Kan.	14.5	13.4	13.0	14.2	13.4	Scranton	14.9	13.3	13.4	14.1	14.2
Kansas City, Mo.	16.1	13.8	13.2	14.5	13.7	Seattle	10.7	10.3	10.1	11.1	11.1
Los Angeles	13.6	12.1	12.0	12.1	11.4	Spokane	14.1	13.4	13.1	14.1	12.9
Louisville	15.0	15.5	13.4	15.1	15.1	Springfield, Mass.	13.1	12.8	11.7	11.7	12.7
Lowell	15.8	14.7	13.4	13.6	13.6	Syracuse	15.2	13.0	12.0	13.2	12.7
						Toledo	13.9	13.7	13.0	13.8	13.7
Memphis	19.8	19.0	18.2	18.6	18.9						
Milwaukee	11.7	10.8	10.5	11.0	10.7	Trenton	15.8	15.5	14.8	15.0	15.5
Minneapolis	12.3	11.6	10.6	11.0	10.8	Washington, D. C.	14.7	15.8	14.7	15.1	15.4
Nashville	18.1	19.3	17.0	18.4	17.8	Wilmington, Del.	14.2	15.0	13.6	11.8	13.4
Newark, N. J.	12.9	12.6	11.7	12.6	12.8	Worcester	14.8	14.2	13.2	13.8	12.8
New Bedford	14.4	13.0	11.4	11.8	11.9	Yonkers	11.3	10.0	8.9	9.3	9.4
New Haven	14.6	13.6	12.7	13.6	13.4	Youngstown	13.0	12.0	11.4	12.7	12.3

[1] Not in registration area.

Source: Bureau of the Census, Department of Commerce.

No. 81.—BIRTHS, DEATHS, AND DEATHS UNDER 1 YEAR OF AGE IN THE BIRTH REGISTRATION AREA: BY SEX

NOTE.—See general note, p. 77

Year	Entire area								
	Population of registration area [1]	Per cent of U. S. total population	Per cent of U. S. total area	Births			Deaths		
				Total	Males	Females	Total	Males	Females
1915	30,936,179	31.1	9.8	776,304	398,615	377,689	435,593	234,871	201,722
1916	32,788,670	32.5	10.2	818,933	420,881	398,102	486,682	264,498	222,184
1917	54,771,416	53.6	26.7	1,363,792	696,101	667,691	776,222	423,359	352,863
1918	55,515,241	53.6	26.7	1,363,640	701,164	662,485	906,027	534,720	461,907
1919	61,433,423	58.6	30.2	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	836,134	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	79,415,841	72.3	50.7	1,774,911	911,831	863,080	938,546	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	86,256,025	76.2	56.8	1,930,614	992,431	938,183	1,006,994	542,637	464,357
1925	87,486,096	76.2	56.6	1,878,880	966,973	911,907	1,030,518	555,207	475,251
1926	89,682,479	77.0	63.2	1,856,068	953,638	902,430	1,093,511	589,653	503,858
1927	103,575,056	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	115,007,072	94.7	88.6	2,169,920	1,114,814	1,055,106	1,369,757	745,491	624,266

Year	Entire area—Continued						Area [2] as of 1917	
	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		
1916	332,301	25.0	14.8	10.2	1,057	1,190		
1917	577,570	24.7	14.2	10.5	1,058	1,200	24.7	14.2
1918	367,022	24.6	18.3	6.3	1,058	1,168	24.5	17.9
1919	575,334	22.3	13.0	9.3	1,057	1,123	22.6	12.9
1920	672,740	23.7	13.1	10.6	1,057	1,101	23.9	13.2
1921	888,750	24.2	11.7	12.5	1,059	1,109	24.5	11.7
1922	835,366	22.3	11.8	10.5	1,056	1,130	22.8	11.9
1923	800,409	22.2	12.3	9.9	1,057	1,139	22.8	12.5
1924	923,620	22.4	11.7	10.7	1,058	1,169	22.9	11.8
1925	848,362	21.5	11.8	9.7	1,060	1,168	21.9	12.0
1926	762,557	20.7	12.2	8.5	1,057	1,170	21.0	12.4
1927	961,031	20.6	11.4	9.2	1,058	1,184	20.8	11.5
1928	871,162	19.8	12.0	7.8	1,057	1,186	20.0	12.2
1929	800,163	18.9	11.9	7.0	1,057	1,194	19.0	12.1

Year	Deaths under 1 year of age in entire birth registration area					
	Number			Deaths per 1,000 births		
	Total	Males	Females	Among total	Among males	Among females
1915	77,572	43,818	33,754	100	110	89
1916	82,734	46,790	35,944	101	111	90
1917	126,950	72,192	54,758	94	104	83
1918	137,647	77,736	59,911	101	111	90
1919	119,000	67,580	51,420	87	96	77
1920	129,531	73,737	55,794	86	95	76
1921	129,588	73,582	56,006	76	84	67
1922	135,228	77,105	58,123	76	85	67
1923	138,259	78,309	59,950	77	85	69
1924	136,730	78,085	58,645	71	79	63
1925	134,652	76,902	57,750	72	80	63
1926	136,118	77,366	58,752	73	81	65
1927	138,017	78,652	59,365	65	72	57
1928	163,492	87,676	65,816	69	76	61
1929	146,661	83,144	63,517	68	75	60

[1] Midyear estimates. [2] Exclusive of Rhode Island

Source: Bureau of the Census, Department of Commerce.

No. 82.—BIRTHS AND EXCESS OF BIRTHS OVER DEATHS: BY STATES

NOTE.—See general note, p. 77. For number of deaths in each State see Table 76; for number in entire birth registration area see Table 81

Area	Number of births					Excess of births over deaths[1]			
	1920	1925	1927	1928	1929	1925	1927	1928	1929
Total birth registration area	1,508,874	1,878,880	2,137,836	2,233,149	2,189,920	848,362	961,031	871,162	800,163
White	1,395,523	1,731,669	1,925,585	1,982,246	1,924,475	803,481	896,927	813,977	748,985
Colored	113,351	147,211	212,251	250,903	245,445	44,881	64,104	57,185	51,178
Cities in birth registration area	763,209	964,302	1,030,194	1,039,019	1,019,622	408,352	418,863	351,370	332,618
White	725,136	902,580	950,503	954,169	936,125	397,764	408,508	349,979	332,500
Colored	38,073	61,722	79,691	84,850	83,497	10,588	10,355	1,391	118
Rural part of birth registration area	745,665	914,578	1,107,642	1,194,130	1,150,298	440,010	542,168	519,792	467,545
White	670,387	829,089	975,082	1,028,077	988,350	405,717	488,419	463,998	416,485
Colored	75,278	85,489	132,560	166,053	161,948	34,293	53,749	55,794	51,060
Alabama	(2)	(2)	67,431	63,554	62,920	(2)	40,369	31,707	30,481
White	(2)	(2)	*43,868*	*41,142*	*40,781*	(2)	*29,595*	*24,518*	*23,636*
Colored	(2)	(2)	*23,563*	*22,412*	*22,139*	(2)	*10,774*	*7,189*	*6,845*
Arizona	(2)	(2)	8,538	8,945	9,599	(2)	2,657	2,501	2,806
Arkansas	(2)	(2)	40,340	38,183	37,324	(2)	22,029	18,135	17,845
White	(2)	(2)	*31,464*	*29,696*	*28,802*	(2)	*19,538*	*16,557*	*15,933*
Colored	(2)	(2)	*8,876*	*8,487*	*8,522*	(2)	*2,491*	*1,628*	*1,912*
California	67,199	85,204	84,367	83,536	81,568	28,404	22,827	17,430	16,123
Colorado	(2)	(2)	(2)	19,155	17,930	(2)	(2)	5,078	5,065
Connecticut	34,096	29,736	28,931	28,245	27,257	12,056	12,174	10,307	8,975
Delaware	(2)	4,674	4,263	4,311	4,286	1,559	1,256	1,115	1,154
District of Columbia	8,823	9,107	9,043	8,935	8,895	2,092	2,057	1,696	1,467
White	*6,319*	*6,245*	*6,210*	*6,117*	*5,987*	*1,952*	*1,904*	*1,645*	*1,404*
Colored	*2,504*	*2,862*	*2,833*	*2,818*	*2,908*	*140*	*153*	*51*	*63*
Florida	(2)	20,403	34,118	29,777	26,368	12,541	15,067	10,334	8,674
White	(2)	*20,160*	*33,843*	*29,633*	*18,304*	*10,000*	*12,956*	*9,251*	*7,393*
Colored	(2)	*9,243*	*10,275*	*9,144*	*8,064*	*2,541*	*3,011*	*1,583*	*1,281*
Georgia	(2)	(2)	(2)	59,123	58,506	(2)	(2)	23,112	23,162
White	(2)	(2)	(2)	*37,190*	*36,780*	(2)	(2)	*18,580*	*17,473*
Colored	(2)	(2)	(2)	*21,933*	*22,776*	(2)	(2)	*4,532*	*5,689*
Idaho	(2)	(2)	9,172	9,081	8,810	(2)	5,335	4,904	4,735
Illinois	(2)	135,437	133,662	129,667	128,633	53,844	50,813	39,472	40,845
Indiana	64,809	64,342	62,208	60,289	58,830	25,710	24,621	19,799	17,853
Iowa	(2)	47,760	44,688	43,378	42,126	23,466	20,156	18,063	16,445
Kansas	39,632	36,716	34,730	33,837	32,637	18,135	16,148	12,891	13,245
Kentucky	62,888	63,507	62,323	59,475	56,510	35,120	35,114	29,085	25,401
White	*58,747*	*59,088*	*58,271*	*55,806*	*52,968*	*35,352*	*35,485*	*30,158*	*26,693*
Colored	*4,141*	*4,419*	*4,052*	*3,669*	*3,542*	[1] *—232*	[1] *—371*	*—1,068*	*—1,291*
Louisiana	(2)	(2)	46,208	44,946	42,146	(2)	22,333	16,959	17,423
White	(2)	(2)	*28,706*	*26,805*	*25,780*	(2)	*16,918*	*12,962*	*13,187*
Colored	(2)	(2)	*17,412*	*16,141*	*16,366*	(2)	*5,415*	*3,997*	*4,256*
Maine	17,328	17,453	16,347	16,464	15,871	6,661	5,389	5,459	4,518
Maryland	30,212	33,864	32,495	31,816	29,924	12,236	11,393	10,102	8,051
White	*23,452*	*27,124*	*25,954*	*25,218*	*23,497*	*10,981*	*10,127*	*8,801*	*6,816*
Colored	*6,760*	*6,740*	*6,541*	*6,598*	*6,427*	*1,255*	*1,266*	*1,301*	*1,235*
Massachusetts	91,692	86,037	82,271	79,028	74,052	34,316	32,986	27,994	22,136
Michigan	92,740	90,220	100,178	97,797	99,134	49,801	49,535	43,003	43,016
Minnesota	55,909	53,776	50,908	49,514	46,699	28,340	26,220	23,537	21,097
Mississippi	(2)	45,155	49,272	48,213	45,612	23,002	26,069	22,327	19,782
White	(2)	*22,083*	*24,235*	*23,634*	*22,025*	*13,865*	*15,888*	*13,331*	*11,819*
Colored	(2)	*23,072*	*25,037*	*24,579*	*23,587*	*9,137*	*10,681*	*8,996*	*7,963*
Missouri	(2)	(2)	66,432	63,339	61,192	(2)	25,679	18,071	16,911
Montana	(2)	10,234	9,799	9,969	10,046	5,046	4,457	4,189	4,304
Nebraska	30,911	29,233	27,865	28,028	26,587	16,740	15,496	14,368	13,210
Nevada	(2)	(2)	(2)	(2)	1,280	(2)	(2)	(2)	81
New Hampshire	9,946	9,407	8,798	8,676	8,170	2,844	2,469	2,234	1,623
New Jersey	(2)	74,181	72,814	70,080	68,345	31,989	30,686	25,118	22,203
New Mexico	(2)	(2)	(2)	(2)	11,348	(2)	(2)	(2)	4,920
New York	235,243	229,717	227,603	223,099	217,215	87,217	86,704	71,459	63,230
North Carolina	81,407	85,716	83,330	80,893	77,161	51,168	50,413	44,733	40,242
White	*57,054*	*57,681*	*57,035*	*55,703*	*53,211*	*37,979*	*37,791*	*33,295*	*30,647*
Colored	*24,353*	*26,035*	*25,695*	*25,185*	*23,950*	*13,189*	*12,622*	*11,438*	*9,595*
North Dakota	(2)	14,471	14,707	14,966	14,647	9,426	9,495	9,453	9,226
Ohio	123,729	126,878	123,611	120,407	116,564	53,271	50,096	40,209	35,232
Oklahoma	(2)	(2)	(2)	42,986	39,738	(2)	(2)	22,033	18,340
Oregon	14,942	15,486	14,623	14,035	13,236	5,857	4,417	3,545	2,568
Pennsylvania	220,462	215,120	210,001	200,769	189,524	99,375	98,749	81,162	72,159
Rhode Island	(2)	14,400	13,726	13,021	12,280	6,174	5,829	4,627	3,373
South Carolina	47,777	(2)	(2)	43,287	39,444	(2)	(2)	18,860	16,391
White	*23,813*	(2)	(2)	*21,556*	*19,614*	(2)	(2)	*11,144*	*10,064*
Colored	*23,964*	(2)	(2)	*21,732*	*19,830*	(2)	(2)	*7,716*	*6,327*

[1] A minus sign indicates an excess of deaths over births. [2] Not in the birth registration area.

No. 82.—Births and Excess of Births Over Deaths: By States—Con.

Area	Number of births					Excess of births over deaths[1]			
	1920	1925	1927	1928	1929	1925	1927	1928	1929
Tennessee	(2)	(2)	54,652	50,363	50,600	(2)	25,623	18,959	19,005
White	(2)	(2)	*46,821*	*42,392*	*43,172*	(2)	*25,272*	*20,048*	*19,778*
Colored	(2)	(2)	*7,831*	*7,971*	*7,428*	(2)	*351*	*−1,089*	*−773*
Utah	14,167	13,735	12,871	12,963	12,380	9,251	8,134	7,853	7,318
Vermont	7,409	7,509	7,022	7,042	6,728	2,372	2,140	2,154	1,433
Virginia	65,794	61,193	58,185	56,516	53,977	31,850	29,413	26,305	22,715
White	*45,229*	*42,467*	*40,886*	*39,347*	*38,170*	*24,884*	*23,583*	*21,489*	*18,843*
Colored	*20,565*	*18,726*	*17,299*	*16,569*	*15,807*	*6,966*	*6,030*	*4,816*	*3,873*
Washington	27,072	24,741	23,315	23,161	22,658	9,461	7,365	6,438	6,245
West Virginia	(2)	45,311	44,857	43,387	40,668	28,157	27,368	25,880	22,540
Wisconsin	58,697	57,324	57,570	57,398	55,553	27,944	28,003	25,610	24,206
Wyoming	(2)	*4,833*	*4,472*	*4,496*	*4,424*	2,937	2,496	2,341	2,414
Hawaii[3]	(2)	(2)	(2)	(2)	11,248	(2)	(2)	(2)	6,865
Virgin Islands[3]	(2)	634	547	563	496	133	−47	−90	−37

[1] A minus sign indicates an excess of deaths over births. [2] Not in the birth registration area.
[3] Not included in total.
Source: Bureau of the Census, Department of Commerce.

No. 83.—Births, Deaths, and Excess of Births Over Deaths: Rates per 1,000 Population in the Birth Registration Area

Note.—See general note, p. 77

Area	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929
Total birth registration area:										
Births	23.7	24.2	22.3	22.2	22.4	21.5	20.7	20.6	19.8	18.9
Deaths	13.1	11.7	11.8	12.3	11.7	11.8	12.2	11.4	12.0	11.9
Excess	10.6	12.5	10.5	9.9	10.7	9.7	8.5	9.2	7.8	7.0
White:										
Births	23.4	24.0	22.1	22.0	22.1	21.2	20.4	20.4	19.5	18.6
Deaths	12.7	11.3	11.5	11.9	11.2	11.4	11.8	10.9	11.5	11.3
Excess	10.7	12.7	10.6	10.1	10.9	9.8	8.6	9.5	8.0	7.3
Colored:										
Births	26.9	27.5	25.3	25.3	26.2	25.4	24.9	23.6	22.2	21.3
Deaths	18.3	15.6	15.8	17.0	17.3	17.6	18.1	16.5	17.1	16.9
Excess	8.6	11.9	9.5	8.3	8.9	7.8	6.8	7.1	5.1	4.4
Cities:										
Births	23.9	24.0	22.3	22.5	22.8	21.9	21.2	21.0	20.1	19.4
Deaths	14.0	12.2	12.5	13.0	12.5	12.6	13.1	12.4	13.3	13.0
Excess	9.8	11.8	9.8	9.5	10.3	9.2	8.1	8.6	6.8	6.4
Rural:										
Births	23.5	24.4	22.5	22.0	22.0	21.0	20.2	20.3	19.5	18.4
Deaths	12.2	11.1	11.1	11.6	11.1	10.9	11.2	10.4	11.0	10.9
Excess	11.4	13.3	11.4	10.4	11.3	10.1	8.9	9.9	8.5	7.5

Source: Bureau of the Census, Department of Commerce.

No. 84.—Births and Excess of Births Over Deaths: Rates per 1,000 Population, by States

Note.—See general note, p. 77

Area	Births per 1,000 population								Excess of births over deaths per 1,000 population[1]				
	1920	1923	1924	1925	1926	1927	1928	1929	1925	1926	1927	1928	1929
Total birth registration area	23.7	22.2	22.4	21.5	20.7	20.6	19.8	18.9	9.7	8.5	9.2	7.8	7.0
White	23.4	22.0	22.1	21.2	20.4	20.4	19.5	18.6	9.8	8.6	9.5	8.0	7.3
Colored	26.9	25.3	26.2	25.4	24.9	23.6	22.2	21.3	7.8	6.8	7.1	5.1	4.4
Cities in birth registration area	23.9	22.5	22.8	21.9	21.2	21.0	20.1	19.4	9.2	8.1	8.6	6.8	6.4
Rural part of birth registration area	23.5	22.0	22.0	21.0	20.2	20.3	19.5	18.4	10.1	8.9	9.9	8.5	7.5
Alabama	(2)	(2)	(2)	(2)	(2)	26.3	24.5	24.0	(2)	(2)	15.8	12.2	11.6
White	(2)	(2)	(2)	(2)	(2)	*26.9*	*24.8*	*24.2*	(2)	(2)	*18.2*	*14.8*	*14.0*
Colored	(2)	(2)	(2)	(2)	(2)	*25.2*	*23.6*	*23.5*	(2)	(2)	*11.5*	*7.7*	*7.3*
Arizona	(2)	(2)	(2)	(2)	21.1	20.9	21.4	22.4	(2)	7.1	6.5	6.0	6.5

[1] A minus sign indicates an excess of deaths over births. [2] Not in the birth registration area.

No. 84.—Births and Excess of Births Over Deaths: Rates per 1,000 Population, by States—Continued

Area	Births per 1,000 population								Excess of births over deaths per 1,000 population[1]				
	1920	1923	1924	1925	1926	1927	1928	1929	1925	1926	1927	1928	1929
Arkansas	(2)	(2)	(2)	(2)	(2)	22.1	20.8	20.2	(2)	(2)	12.1	9.9	9.7
White	(2)	(2)	(2)	(2)	(2)	*23.3*	*21.9*	*21.0*	(2)	(2)	*14.5*	*12.2*	*11.6*
Colored	(2)	(2)	(2)	(2)	(2)	*18.6*	*17.3*	*17.3*	(2)	(2)	*5.2*	*3.5*	*4.0*
California	19.0	19.1	19.7	18.4	17.1	16.6	15.8	14.8	6.0	5.0	4.5	3.3	2.9
Colorado	(2)	(2)	(2)	(2)	(2)	(3)	18.8	17.4	(2)	(2)	(2)	5.0	4.9
Connecticut	24.5	21.1	21.4	19.8	19.1	18.7	18.0	17.1	8.0	7.1	7.9	6.6	5.6
Delaware	(2)	19.9	19.2	20.2	18.0	18.2	18.3	18.1	6.7	3.2	5.4	4.7	4.9
District of Columbia	20.1	19.8	20.2	19.6	19.0	19.1	18.7	18.4	4.5	3.2	4.4	3.6	3.0
White	*19.3*	*18.0*	*19.0*	*18.3*	*17.6*	*17.9*	*17.5*	*17.0*	*5.7*	*4.3*	*5.5*	*4.7*	*4.0*
Colored	*22.4*	*22.2*	*23.6*	*23.3*	*23.9*	*23.3*	*21.8*	*22.2*	*1.1*	*.4*	*1.2*	*.4*	*.5*
Florida	(2)	(2)	22.5	23.8	27.1	25.6	21.5	18.8	10.2	11.5	12.0	7.8	6.1
White	(2)	(2)	*22.3*	*23.7*	*28.0*	*25.7*	*21.3*	*18.2*	*11.8*	*14.3*	*14.0*	*9.5*	*7.4*
Colored	(2)	(2)	*23.1*	*24.0*	*25.0*	*25.4*	*22.0*	*20.1*	*6.6*	*5.1*	*7.5*	*3.3*	*3.0*
Georgia	(2)	(2)	(2)	(2)	(2)	(2)	20.3	20.1	(2)	(2)	(2)	7.9	7.9
White	(2)	(2)	(2)	(2)	(2)	(2)	*20.5*	*19.6*	(2)	(2)	(2)	*10.2*	*9.6*
Colored	(2)	(2)	(2)	(2)	(2)	(2)	*20.0*	*21.1*	(2)	(2)	(2)	*4.1*	*5.3*
Idaho	(2)	(2)	(2)	(2)	21.2	20.8	20.5	19.8	(2)	12.4	12.2	11.1	10.6
Illinois	(2)	19.2	19.6	19.1	18.6	18.3	17.4	17.0	7.6	6.8	7.0	5.3	5.4
Indiana	22.0	21.6	22.1	20.8	20.1	19.7	18.9	18.3	8.3	7.3	7.8	6.2	5.6
Iowa	(2)	(2)	20.2	19.6	18.7	18.2	17.6	17.1	9.6	8.3	8.2	7.3	6.7
Kansas	22.3	21.7	20.9	20.1	19.1	18.8	18.2	17.4	9.9	8.7	8.8	7.0	7.0
Kentucky	25.9	26.1	26.6	25.7	23.8	24.3	23.0	21.7	13.9	12.0	13.7	11.2	9.7
White	*26.8*	*27.2*	*27.4*	*25.8*	*24.4*	*25.0*	*23.7*	*22.3*	*15.4*	*13.5*	*15.2*	*12.8*	*11.2*
Colored	*17.6*	*15.1*	*18.3*	*19.2*	*18.0*	*17.7*	*16.1*	*15.6*	*−1.0*	*−2.9*	*−1.6*	*−4.7*	*−5.7*
Louisiana	(2)	(2)	(2)	(2)	(2)	22.9	20.5	20.3	(2)	(2)	11.1	8.3	8.4
White	(2)	(2)	(2)	(2)	(2)	*23.8*	*20.1*	*19.7*	(2)	(2)	*13.4*	*10.1*	*10.0*
Colored	(2)	(2)	(2)	(2)	(2)	*23.0*	*21.1*	*21.2*	(2)	(2)	*7.2*	*5.2*	*5.5*
Maine	22.5	22.6	23.7	22.3	20.9	20.7	20.3	20.0	8.5	6.5	6.8	6.9	5.7
Maryland	24.8	22.9	22.6	21.9	21.0	20.5	19.9	18.5	7.9	6.5	7.2	6.3	5.0
White	*24.3*	*22.1*	*21.8*	*21.1*	*20.1*	*19.3*	*19.0*	*17.5*	*8.5*	*6.9*	*7.3*	*6.0*	*5.1*
Colored	*27.4*	*26.8*	*26.6*	*25.7*	*25.3*	*24.4*	*24.3*	*23.4*	*4.8*	*4.7*	*4.8*	*4.8*	*4.5*
Massachusetts	23.7	22.4	22.7	21.2	20.3	19.9	18.9	17.5	8.5	7.5	8.0	6.7	5.2
Michigan	24.9	22.9	23.4	23.1	22.4	22.1	21.1	20.8	11.6	10.1	10.9	9.3	9.0
Minnesota	23.3	23.0	22.6	21.7	21.0	20.2	19.5	18.3	11.5	10.7	10.4	9.2	8.2
Mississippi	(2)	23.0	23.1	23.7	26.3	25.3	24.4	22.9	12.1	14.0	13.4	11.3	9.9
White	(2)	*23.2*	*23.9*	*23.7*	*26.3*	*25.3*	*24.2*	*22.3*	*14.9*	*16.6*	*16.1*	*13.3*	*12.0*
Colored	(2)	*22.9*	*22.3*	*23.6*	*26.4*	*25.2*	*24.6*	*23.4*	*9.3*	*11.6*	*10.7*	*9.0*	*7.9*
Missouri	(2)	(2)	(2)	(2)	(2)	18.6	17.6	16.9	(2)	(2)	7.2	5.0	4.6
Montana	(2)	19.2	18.8	18.9	18.2	18.1	18.5	18.7	9.3	8.2	8.2	7.8	8.0
Nebraska	23.8	22.8	22.6	21.8	21.0	20.5	20.5	19.4	12.5	11.6	11.4	10.5	9.6
Nevada	(2)	(2)	(2)	(2)	(2)	(2)	(2)	14.2	(2)	(2)	(2)	(2)	.9
New Hampshire	22.4	20.7	22.3	20.7	19.1	19.2	18.8	17.6	6.3	4.4	5.4	4.8	3.5
New Jersey	(2)	21.6	21.6	20.4	19.5	19.1	18.0	17.2	8.8	7.4	8.0	6.4	5.6
New Mexico	(2)	(2)	(2)	(2)	(2)	(2)	(2)	27.1	(2)	(2)	(2)	(2)	11.7
New York	22.4	20.7	20.5	19.9	18.9	19.0	18.3	17.5	7.6	6.1	7.3	5.9	5.1
North Carolina	31.4	30.4	31.0	29.0	27.9	27.7	26.4	24.7	17.7	16.2	16.8	14.6	12.9
White	*31.6*	*29.9*	*30.4*	*28.5*	*27.3*	*27.3*	*25.8*	*24.2*	*18.8*	*17.3*	*17.9*	*15.4*	*14.0*
Colored	*31.1*	*31.5*	*32.2*	*30.2*	*29.2*	*28.8*	*27.7*	*25.9*	*15.3*	*13.7*	*14.2*	*12.6*	*10.4*
North Dakota	(2)	(2)	21.5	21.8	22.3	21.9	22.2	21.6	14.2	14.4	14.1	14.0	13.6
Ohio	21.3	21.2	21.4	20.3	19.6	19.3	18.5	17.7	8.5	7.2	7.8	6.2	5.3
Oklahoma	(2)	(2)	(2)	(2)	(2)	(2)	18.4	16.8	(2)	(2)	(2)	9.4	7.8
Oregon	18.9	17.8	18.3	17.7	16.6	16.1	15.2	14.1	6.7	5.5	4.9	3.9	2.8
Pennsylvania	25.2	24.1	24.5	23.4	22.3	22.4	21.2	19.8	10.8	9.3	10.5	8.6	7.5
Rhode Island	(2)	22.8	23.4	22.2	20.7	20.6	19.3	18.0	9.5	7.3	8.7	6.8	4.9
South Carolina	28.3	26.0	27.8	(2)	(2)	(2)	25.0	22.7	(2)	(2)	(2)	10.9	9.4
White	*28.9*	*26.6*	*27.6*	(2)	(2)	(2)	*23.4*	*20.9*	(2)	(2)	(2)	*12.1*	*10.8*
Colored	*27.8*	*25.4*	*27.9*	(2)	(2)	(2)	*26.9*	*24.9*	(2)	(2)	(2)	*9.5*	*7.9*
Tennessee	(2)	(2)	(2)	(2)	(2)	21.5	19.6	19.5	(2)	(2)	10.1	7.4	7.3
White	(2)	(2)	(2)	(2)	(2)	*22.1*	*20.2*	*20.0*	(2)	(2)	*12.2*	*9.5*	*9.3*
Colored	(2)	(2)	(2)	(2)	(2)	*18.8*	*16.8*	*17.1*	(2)	(2)	*.8*	*−2.3*	*−1.6*
Utah	31.3	29.1	29.4	28.6	27.0	26.2	26.0	24.6	19.3	16.4	16.6	15.7	14.5
Vermont	21.0	20.7	20.8	21.1	20.0	19.6	19.6	18.7	6.7	5.4	6.0	6.0	4.0
Virginia	28.4	27.4	27.3	25.8	24.3	24.3	23.5	22.4	13.4	11.4	12.3	10.9	9.4
White	*27.8*	*26.7*	*26.6*	*24.9*	*23.5*	*23.6*	*22.9*	*21.7*	*14.6*	*12.5*	*13.5*	*12.3*	*10.7*
Colored	*29.8*	*25.0*	*29.0*	*28.0*	*26.2*	*26.1*	*25.2*	*24.2*	*10.4*	*8.3*	*9.1*	*7.3*	*6.0*
Washington	19.8	17.7	17.5	16.9	16.1	15.5	15.2	14.6	6.5	5.6	4.9	4.3	4.0
West Virginia	(2)	(2)	(2)	28.2	26.9	27.1	25.8	23.8	17.5	15.8	16.9	15.4	13.2
Wisconsin	22.2	21.5	21.5	20.5	19.7	20.2	19.9	19.0	10.0	9.0	9.8	8.9	8.3
Wyoming	(2)	24.1	25.1	22.9	20.5	20.6	20.4	19.8	13.9	11.6	11.5	10.6	10.8
Hawaii [3]	(2)	(2)	(2)	(2)	(2)	(2)	(2)	31.2	(2)	(2)	(2)	(2)	19.0

[1] A minus sign indicates an excess of deaths over births.
[2] Not in the birth registration area.
[3] Not included in the total.

Source: Bureau of the Census, Department of Commerce.

No. 85.—BIRTHS AND STILLBIRTHS, BY LEGITIMACY: By States, 1929

Area	Births [1]			Stillbirths			Stillbirths per 100 live births		
	Total	Legitimate	Illegitimate	Total	Legitimate	Illegitimate	Total	Legitimate	Illegitimate
Birth registration area[2]	2,014,300	1,950,138	64,161	80,621	76,038	5,783	4.0	3.8	9.0
White	1,774,444	1,743,979	30,465	61,440	59,544	1,896	3.5	3.4	6.2
Colored	239,856	206,160	33,696	19,381	15,494	3,887	8.1	7.5	11.5
Alabama	62,920	58,507	4,413	3,337	2,896	441	5.3	4.9	10.0
White	*40,781*	*40,172*	*609*	*1,487*	*1,457*	*30*	*3.6*	*3.6*	*4.9*
Colored	*22,139*	*18,335*	*3,804*	*1,850*	*1,439*	*411*	*8.4*	*7.8*	*10.8*
Arizona	9,599	9,454	145	284	277	7	3.0	2.9	4.8
Arkansas	37,324	36,037	1,287	1,616	1,468	148	4.3	4.1	11.5
White	*28,302*	*28,445*	*857*	*944*	*916*	*28*	*3.3*	*3.2*	*7.8*
Colored	*8,522*	*7,592*	*930*	*672*	*552*	*120*	*7.9*	*7.3*	*12.9*
Colorado	17,939	17,560	379	632	611	21	3.5	3.5	5.5
Connecticut	27,257	26,805	452	835	819	16	3.1	3.1	3.5
Delaware	4,286	4,023	263	179	157	22	4.2	3.9	8.4
District of Columbia	8,895	8,265	630	425	363	62	4.8	4.4	9.8
White	*5,987*	*5,846*	*141*	*182*	*180*	*2*	*3.0*	*3.1*	*1.4*
Colored	*2,908*	*2,419*	*489*	*243*	*183*	*60*	*8.4*	*7.6*	*12.3*
Florida	26,868	25,370	1,498	1,704	1,501	203	6.3	5.9	13.6
White	*18,504*	*18,095*	*269*	*729*	*712*	*17*	*4.0*	*3.9*	*6.3*
Colored	*8,364*	*7,275*	*1,229*	*975*	*789*	*186*	*11.4*	*10.8*	*15.1*
Georgia	58,506	54,488	4,018	3,508	3,035	473	6.0	5.6	11.8
White	*35,720*	*35,224*	*506*	*1,360*	*1,335*	*25*	*3.8*	*3.8*	*4.9*
Colored	*22,776*	*19,264*	*3,512*	*2,148*	*1,700*	*448*	*9.4*	*8.8*	*12.8*
Idaho	8,810	8,727	83	232	224	8	2.6	2.6	9.6
Illinois	128,633	126,263	2,370	4,452	4,300	152	3.5	3.4	6.4
Indiana	58,830	57,842	988	1,730	1,673	57	2.9	2.9	5.8
Iowa	42,126	41,444	682	1,200	1,167	33	3.1	3.0	4.8
Kansas	32,637	32,204	433	1,099	1,060	39	3.4	3.3	9.0
Kentucky	56,510	55,435	1,075	1,814	1,710	104	3.2	3.1	9.7
White	*52,968*	*52,236*	*732*	*1,567*	*1,507*	*60*	*3.0*	*2.9*	*8.8*
Colored	*3,542*	*3,149*	*393*	*247*	*203*	*44*	*7.0*	*6.4*	*11.2*
Louisiana	42,146	39,230	2,916	2,250	1,940	310	5.3	4.9	10.6
White	*25,780*	*25,329*	*451*	*968*	*930*	*38*	*3.8*	*3.7*	*8.4*
Colored	*16,366*	*13,901*	*2,465*	*1,282*	*1,010*	*272*	*7.8*	*7.3*	*11.0*
Maine	15,871	15,471	400	618	598	20	3.9	3.9	5.0
Maryland	29,024	28,128	1,796	2,152	1,856	296	7.2	6.6	16.5
White	*23,497*	*23,051*	*446*	*1,446*	*1,374*	*72*	*6.2*	*6.0*	*16.1*
Colored	*5,527*	*5,077*	*1,350*	*706*	*482*	*224*	*11.0*	*9.5*	*16.6*
Michigan	99,134	97,126	2,008	3,743	3,624	119	3.8	3.7	5.9
Minnesota	46,699	45,727	972	1,377	1,343	34	2.9	2.9	3.5
Mississippi	45,612	42,097	3,515	2,488	2,155	333	5.5	5.1	9.5
White	*22,025*	*21,820*	*205*	*700*	*685*	*15*	*3.2*	*3.1*	*7.3*
Colored	*23,587*	*20,277*	*3,310*	*1,788*	*1,470*	*318*	*7.6*	*7.2*	*9.6*
Missouri	61,192	59,449	1,743	2,682	2,433	249	4.4	4.1	14.3
Montana	10,040	9,875	171	290	282	8	2.9	2.9	4.7
Nebraska	26,587	26,120	467	800	780	20	3.0	3.0	4.3
Nevada	1,280	1,268	12	42	41	1	3.3	3.2	8.3
New Hampshire	8,170	8,018	152	306	299	7	3.7	3.7	4.6
New Jersey	68,345	67,135	1,210	2,714	2,619	95	4.0	3.9	7.9
New Mexico	11,348	11,026	322	295	279	16	2.6	2.5	5.0
New York	217,215	213,975	3,240	8,874	8,622	252	4.1	4.0	7.8
North Carolina	77,161	72,225	4,936	3,634	3,170	464	4.7	4.4	9.4
White	*53,311*	*52,156*	*1,055*	*1,755*	*1,692*	*63*	*3.3*	*3.2*	*6.0*
Colored	*23,850*	*20,069*	*3,781*	*1,879*	*1,478*	*401*	*7.8*	*7.4*	*10.8*
North Dakota	14,647	14,346	301	418	398	20	2.9	2.8	6.6
Ohio	116,564	114,131	2,433	4,333	4,152	181	3.7	3.6	7.4
Oklahoma	39,738	38,998	740	1,345	1,302	43	3.4	3.3	5.8
Oregon	13,236	13,052	184	413	405	8	3.1	3.1	4.3
Pennsylvania	189,524	184,207	5,317	6,817	26,500	317	3.6	3.5	6.0
Rhode Island	12,289	12,015	274	424	409	15	3.5	3.4	5.5
South Carolina	39,444	35,565	3,879	2,649	2,139	510	6.7	6.0	13.1
White	*19,614*	*19,171*	*443*	*717*	*689*	*28*	*3.7*	*3.6*	*6.3*
Colored	*19,830*	*16,394*	*3,436*	*1,932*	*1,450*	*482*	*9.7*	*8.8*	*13.9*
Tennessee	80,000	48,701	1,299	2,230	2,061	169	4.4	4.2	8.9
White	*42,472*	*41,659*	*813*	*1,567*	*1,514*	*53*	*3.7*	*3.6*	*6.5*
Colored	*8,128*	*7,042*	*1,086*	*663*	*547*	*116*	*8.2*	*7.8*	*10.7*
Utah	12,380	12,277	103	279	276	3	2.3	2.2	2.9
Vermont	6,728	6,553	175	197	186	11	2.9	2.8	6.3
Virginia	53,977	50,635	3,342	2,396	2,083	313	4.4	4.1	9.4
White	*38,170*	*37,329*	*841*	*1,214*	*1,152*	*62*	*3.2*	*3.1*	*7.4*
Colored	*15,807*	*13,306*	*2,501*	*1,182*	*931*	*251*	*7.5*	*7.0*	*10.0*
Washington	22,658	22,277	381	572	559	13	2.5	2.5	3.4
West Virginia	40,668	39,257	1,411	1,585	1,475	110	3.9	3.8	7.8
Wisconsin	55,553	54,455	1,098	1,661	1,601	60	3.0	2.9	5.5
Wyoming	4,424	4,376	48	100	100	-------	2.3	2.3	-------

[1] Stillbirths are excluded as in other tables.
[2] Exclusive of California and Massachusetts, which do not require a statement of legitimacy of child.
Source: Bureau of the Census, Department of Commerce.

No. 86.—DEATHS OF INFANTS UNDER 1 YEAR OF AGE: NUMBER AND RATES, BY STATES, FOR THE BIRTH REGISTRATION AREA

NOTE.—See general note, p. 77

Class or State	Number of infant deaths		Deaths of infants under 1 year of age per 1,000 births						
	1928	1929	1920	1924	1925	1926	1927	1928	1929
Total birth registration area	153,492	146,661	88	71	72	73	65	69	68
White	126,855	121,571	82	67	68	70	61	64	63
Colored	26,637	25,090	132	113	111	112	100	106	102
Cities (total)	71,921	67,497	91	72	73	74	65	69	66
White	61,632	57,942	87	69	69	70	61	65	62
Colored	10,289	9,555	158	127	125	127	113	121	114
Rural part	81,571	79,164	81	69	70	72	64	68	69
White	65,223	63,629	76	65	67	69	60	63	64
Colored	16,348	15,535	118	105	101	101	92	99	96
Alabama	4,765	4,630	(1)	(1)	(1)	(1)	64	75	74
White	*2,649*	*2,611*	(1)	(1)	(1)	(1)	*55*	*64*	*64*
Colored	*2,116*	*2,019*	(1)	(1)	(1)	(1)	*82*	*94*	*91*
Arizona	1,260	1,280	(1)	(1)	(1)	121	130	142	133
Arkansas	2,506	2,170	(1)	(1)	(1)	(1)	61	67	58
White	*1,824*	*1,580*	(1)	(1)	(1)	(1)	*56*	*61*	*55*
Colored	*732*	*590*	(1)	(1)	(1)	(1)	*77*	*86*	*69*
California	5,199	5,155	74	67	69	63	62	62	63
Colorado	1,712	1,640	(1)	(1)	(1)	(1)	(1)	89	91
Connecticut	1,655	1,764	92	69	73	72	59	59	64
Delaware	338	348	(1)	96	91	93	71	78	81
District of Columbia	582	629	91	76	87	85	68	65	71
White	*280*	*288*	*78*	*62*	*67*	*67*	*49*	*48*	*48*
Colored	*302*	*341*	*139*	*109*	*132*	*123*	*109*	*107*	*117*
Florida	1,908	1,769	(1)	82	74	75	67	67	63
White	*1,128*	*966*	(1)	*70*	*60*	*62*	*56*	*55*	*52*
Colored	*870*	*803*	(1)	*107*	*105*	*107*	*83*	*95*	*94*
Georgia	4,822	4,462	(1)	(1)	(1)	(1)	(1)	82	76
White	*2,642*	*2,341*	(1)	(1)	(1)	(1)	(1)	*68*	*66*
Colored	*2,280*	*2,121*	(1)	(1)	(1)	(1)	(1)	*104*	*93*
Idaho	536	487	(1)	(1)	(1)	63	50	59	55
Illinois	8,326	7,901	(1)	71	73	69	64	64	61
Indiana	3,769	3,742	82	65	68	72	59	63	64
Iowa	2,300	2,214	(1)	55	56	59	55	53	53
Kansas	1,996	1,879	73	59	62	65	55	59	58
Kentucky	4,137	4,009	73	65	70	75	61	70	71
White	*3,704*	*3,549*	*69*	*61*	*67*	*71*	*58*	*66*	*67*
Colored	*433*	*460*	*138*	*119*	*120*	*134*	*109*	*118*	*130*
Louisiana	3,280	3,120	(1)	(1)	(1)	(1)	77	78	74
White	*1,645*	*1,512*	(1)	(1)	(1)	(1)	*58*	*64*	*59*
Colored	*1,644*	*1,608*	(1)	(1)	(1)	(1)	*100*	*102*	*98*
Maine	1,104	1,228	102	81	76	80	80	73	77
Maryland	2,532	2,391	104	86	90	87	81	80	80
White	*1,687*	*1,622*	*90*	*76*	*76*	*74*	*68*	*67*	*69*
Colored	*845*	*769*	*164*	*128*	*146*	*137*	*134*	*128*	*120*
Massachusetts	5,084	4,576	91	68	73	73	65	64	62
Michigan	6,792	6,585	92	72	75	77	68	69	66
Minnesota	2,656	2,392	66	57	60	58	52	54	51
Mississippi	3,559	3,289	(1)	71	68	70	67	74	72
White	*1,443*	*1,286*	(1)	*55*	*53*	*59*	*55*	*61*	*58*
Colored	*2,116*	*2,003*	(1)	*88*	*86*	*81*	*78*	*86*	*85*
Missouri	4,155	3,800	(1)	(1)	(1)	(1)	60	66	62
Montana	612	643	(1)	67	71	77	60	61	64
Nebraska	1,481	1,374	64	55	58	59	51	53	52
Nevada	(1)	86	(1)	(1)	(1)	(1)	(1)	(1)	67
New Hampshire	602	557	88	80	76	79	69	69	68
New Jersey	4,572	4,108	(1)	70	69	70	61	65	60
New Mexico	(1)	1,651	(1)	(1)	(1)	(1)	(1)	(1)	143
New York	14,512	13,215	86	69	68	71	59	65	61
North Carolina	6,935	6,100	85	82	79	82	79	80	79
White	*4,196*	*3,546*	*73*	*72*	*67*	*71*	*66*	*76*	*67*
Colored	*2,739*	*2,560*	*113*	*110*	*105*	*107*	*109*	*109*	*107*
North Dakota	890	984	(1)	67	72	69	63	60	67
Ohio	7,953	8,017	83	67	70	76	62	66	69
Oklahoma	2,966	2,789	(1)	(1)	(1)	(1)	(1)	69	70
Oregon	654	634	62	54	51	53	48	47	48
Pennsylvania	14,467	13,367	97	79	82	82	69	72	71

[1] Not added to the birth registration area until a later date.

No. 86.—Deaths of Infants Under 1 Year of Age: Number and Rates, by States, for the Birth Registration Area—Continued

Class or State	Number of infant deaths		Deaths of infants under 1 year of age per 1,000 births						
	1928	1929	1920	1924	1925	1926	1927	1928	1929
Rhode Island	875	885	(2)	80	73	82	67	67	72
South Carolina	4,178	3,591	116	102	(3)	(3)	(3)	97	91
White	*1,676*	*1,407*	*89*	*77*	(3)	(3)	(3)	*78*	*72*
Colored	*2,503*	*2,184*	148	127	(3)	(3)	(3)	*115*	*110*
Tennessee	4,075	3,901	(1)	(1)	(1)	(1)	71	81	77
White	*3,113*	*2,950*	(1)	(1)	(1)	(1)	*64*	*73*	*70*
Colored	*962*	*951*	(1)	(1)	(4)	(4)	*107*	*121*	*117*
Utah	704	732	71	64	56	75	54	59	59
Vermont	469	443	96	70	72	72	70	65	66
Virginia	4,290	4,251	84	78	81	84	75	76	79
White	*2,559*	*2,555*	*72*	*66*	*68*	*72*	*62*	*64*	*67*
Colored	*1,731*	*1,696*	*110*	*104*	*111*	*111*	*106*	*105*	*107*
Washington	1,115	1,110	66	56	56	56	50	48	49
West Virginia	3,043	3,157	(1)	(1)	80	82	72	70	78
Wisconsin	3,526	3,309	77	65	67	69	59	61	60
Wyoming	305	311	(1)	64	64	76	69	68	70
Hawaii [4]	973	1,134	(5)	(5)	(5)	(5)	(5)	(5)	101
Virgin Islands [4]	121	72	(1)	179	142	119	210	215	145
Total for area having birth registration in 1917 [6]	85,020	80,292	86	71	73	75	65	68	66

[1] Not added to the birth registration area until a later date.
[2] Not in the birth registration area in 1920.
[3] Not in the birth registration area in 1925, 1926, and 1927.
[4] Not included in the total.
[5] Not in the birth registration area.
[6] Exclusive of Rhode Island.

No. 87.—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. 77

Cause of death	Deaths under 1 year of age per 1,000 births											
	Entire registration area							Registration area of 1917 (exclusive of Rhode Island)				
	1920	1924	1925	1926	1927	1928	1929	1920	1925	1927	1928	1929
All causes under 1 year of age	85.8	70.8	71.7	73.3	64.6	68.7	67.6	80.1	72.8	64.5	67.7	66.4
Measles	1.0	.8	.3	1.1	.4	.6	.3	1.0	.4	.3	.7	.3
Scarlet fever	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	(1)	.1
Whooping cough	3.0	2.1	1.8	2.3	1.9	1.6	1.9	3.0	1.6	1.8	1.4	1.7
Diphtheria [2]	.5	.3	.3	.2	.2	.3	.2	.5	.3	.2	.2	.2
Influenza and pneumonia	5.9	3.9	4.4	5.3	3.7	5.6	5.0	5.7	4.4	3.6	4.9	5.4
Dysentery	.4	.3	.3	.3	.3	.3	.3	.3	.3	.2	.2	.2
Erysipelas	.4	.4	.3	.4	.4	.3	.4	.4	.4	.2	.3	.4
Tetanus	.1	.1	.1	.1	.1	.1	.1	.1	(1)	(1)	.1	(1)
Tuberculosis (all forms)	1.0	.6	.6	.6	.6	.5	.4	1.0	.7	.6	.6	.5
Syphilis	.9	.7	.7	.6	.7	.8	.8	.8	.7	.7	.7	.7
Convulsions	1.0	.7	.7	.6	.5	.5	.4	1.0	.7	.5	.5	.4
Bronchitis and broncho-pneumonia	9.6	7.8	7.7	8.8	6.4	7.3	7.0	10.1	8.0	6.8	8.1	7.5
Diseases of the stomach [3]	1.2	.7	.6	.5	.5	.5	.4	1.1	.6	.5	.4	.4
Diarrhea and enteritis [4]	14.9	9.2	11.2	9.7	7.8	7.7	7.1	15.2	11.2	7.3	7.4	6.9
Congenital malformations	6.2	6.1	6.2	6.2	5.6	5.4	5.5	6.4	6.3	6.2	6.1	6.2
Congenital debility and other diseases of early infancy	7.7	6.0	5.9	5.5	4.8	5.0	4.7	7.7	6.1	5.0	5.0	4.7
Premature birth	19.4	17.7	17.2	17.7	16.8	17.6	17.5	19.1	17.6	17.3	17.8	17.6
Injury at birth	3.7	4.8	4.9	4.9	4.8	4.7	4.8	3.9	4.9	5.1	5.1	5.1
External causes	1.0	1.0	1.0	1.1	1.0	1.0	1.0	1.0	1.0	.9	.9	.9
Unknown or ill-defined diseases	2.5	2.4	2.2	2.3	3.1	3.7	3.8	2.5	2.0	2.0	2.1	2.0
All other causes	5.4	5.0	5.2	5.1	4.9	5.0	5.0	5.3	5.4	5.0	5.2	5.2

[1] Less than one-tenth of 1 per 1,000 births.
[2] Includes croup in 1920.
[3] Excludes ulcer of the duodenum in 1920.
[4] Includes ulcer of the duodenum in 1920.

Source of Tables 86 and 87: Bureau of the Census, Department of Commerce.

No. 88.—DEATHS OF INFANTS UNDER 1 YEAR OF AGE: RATES PER 1,000 BIRTHS ACCORDING TO AGE SUBDIVISIONS, FOR THE ENTIRE BIRTH REGISTRATION AREA AND FOR THE REGISTRATION AREA[1] OF 1917

NOTE.—See general note, p. 77

Age	Deaths under 1 year of age per 1,000 births											
	Entire registration area							Registration area of 1917[1]				
	1920	1924	1925	1926	1927	1928	1929	1920	1926	1927	1928	1929
Total under 1 year	85.8	70.8	71.7	73.3	64.6	68.7	67.6	86.1	75.1	64.5	67.7	66.4
Under 1 day	14.8	14.8	15.0	15.2	15.1	15.3	15.3	14.8	15.3	15.1	15.2	15.2
1 day	4.6	4.2	4.2	4.2	4.1	4.4	4.4	4.6	4.3	4.2	4.4	4.4
2 days	3.4	3.3	3.2	3.2	3.0	3.1	3.0	3.4	3.2	3.1	3.2	3.1
3 to 6 days	6.4	6.2	5.8	5.7	5.3	5.4	5.3	6.4	5.9	5.4	5.3	5.3
1 week	5.4	4.6	4.4	4.3	3.9	4.1	3.9	5.4	4.4	3.8	3.9	3.8
2 weeks	3.8	2.9	2.9	3.0	2.6	2.6	2.6	3.8	3.1	2.6	2.6	2.6
3 weeks	3.1	2.5	2.3	2.4	2.2	2.3	2.3	3.1	2.5	2.2	2.3	2.2
Under 1 month	41.5	38.6	37.8	37.9	36.1	37.2	36.9	41.5	38.6	36.5	36.9	36.5
1 month	7.3	5.8	5.8	6.0	5.1	5.5	5.6	7.2	6.2	5.1	5.3	5.3
2 months	5.7	4.4	4.6	4.7	4.0	4.4	4.3	5.7	4.7	4.0	4.3	4.2
3 to 5 months	13.1	9.5	10.3	10.4	8.6	9.3	9.2	13.2	10.6	8.5	9.2	9.1
6 to 8 months	10.0	6.9	7.5	7.9	6.1	6.9	6.5	10.1	8.2	5.9	6.7	6.4
9 to 11 months	8.3	5.6	5.8	6.5	4.7	5.4	5.1	8.5	6.8	4.5	5.3	4.9

[1] Exclusive of Rhode Island.

Source: Bureau of the Census, Department of Commerce.

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

Year	Estimated population, July 1	Homicides		Suicides	
		Number	Rate per 100,000 population	Number	Rate per 100,000 population
1900	14, 133, 877	481	3.4	2,069	14.9
1902	14, 899, 699	567	3.8	2,487	16.7
1903	15, 286, 581	636	4.2	2,758	18.0
1904	15, 670, 701	723	4.6	2,998	19.1
1905	16, 104, 214	983	6.1	3,126	19.4
1906	16, 594, 107	1,189	7.2	2,984	18.0
1907	17, 072, 832	1,455	8.5	3,319	19.4
1908	17, 541, 214	1,401	8.0	3,957	22.6
1909	18, 018, 210	1,252	6.9	3,772	20.9
1910	18, 522, 956	1,479	8.0	3,743	20.2
1911	18, 958, 147	1,505	7.9	3,880	20.5
1912	19, 413, 308	1,504	7.7	3,868	19.9
1913	19, 847, 428	1,702	8.6	3,957	19.9
1914	20, 273, 425	1,715	8.5	4,351	21.5
1915	20, 729, 640	1,698	8.2	4,455	21.5
1916[1]	21, 021, 720	1,783	8.5	3,892	18.5
1917	21, 616, 460	2,061	9.5	3,816	17.7
1918	22, 038, 899	1,865	8.5	3,351	15.2
1919	22, 563, 206	2,006	8.9	3,229	14.3
1920	23, 009, 576	1,930	8.4	2,910	12.6
1921	23, 462, 846	2,168	9.2	3,731	15.9
1922	23, 935, 903	2,211	9.2	3,626	15.1
1923	24, 410, 880	2,435	10.0	3,692	15.1
1924	24, 866, 783	2,682	10.8	3,355	15.5
1925	25, 339, 416	2,808	11.1	4,000	15.8
1926	25, 830, 606	2,715	10.5	4,264	16.5
1927	26, 337, 938	2,771	10.5	4,492	17.1
1928	26, 815, 069	2,748	10.2	4,769	17.9
1929	27, 232, 708	2,674	9.8	4,996	18.3

[1] Excludes Memphis, Tenn.

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

[1] Dropped from the area in 1900; readmitted in 1910. [2] Dropped from the area in 1910.
[3] Included only municipalities having a population of 1,000 or more in 1900; remainder added in 1916.
[4] In 1925, State registration law declared unconstitutional; readmitted in 1928.
[5] Dropped from area in 1919; readmitted in 1921. [6] Dropped from area in 1925; readmitted in 1928.

NOTE.—The Territory of Hawaii was added to the death registration area in 1917 and to the birth registration area in 1929; the Virgin Islands to both the death and the birth registration areas in 1924.

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

NOTE.—Statistics for annulments were collected for the first time in 1926.

Calendar year	Marriages, number	Divorces					Number of divorces per 1,000 marriages	Number of annulments
		Total number	Granted to husband		Granted to wife			
			Number	Per cent	Number	Per cent		
1890	542, 537	33, 461	11, 625	34. 7	21, 836	65. 3	62	-------
1891	562, 412	35, 540	12, 478	35. 1	23, 062	64. 9	63	-------
1892	577, 870	36, 579	12, 577	34. 4	24, 002	65. 6	63	-------
1893	578, 673	37, 468	12, 590	33. 6	24, 878	66. 4	65	-------
1894	595, 161	37, 668	12, 551	33. 4	25, 017	66. 6	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	66. 4	70	-------
1897	622, 350	44, 690	14, 765	33. 0	29, 934	67. 0	72	-------
1898	625, 655	47, 849	15, 988	33. 4	31, 861	66. 6	76	-------
1899	650, 610	51, 437	16, 925	32. 9	34, 512	67. 1	79	-------
1900	685, 284	55, 751	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, 480	20, 056	32. 6	41, 424	67. 4	82	-------
1903	786, 132	64, 925	21, 321	32. 8	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, 200	72, 062	23, 455	32. 5	48, 607	67. 5	84	-------
1916	1, 040, 684	[1] 112, 036	33, 809	31. 1	74, 393	68. 9	108	-------
1922	1, 134, 161	[1] 148, 815	47, 359	32. 0	100, 416	68. 0	131	-------
1923	1, 220, 784	[1] 165, 096	52, 999	32. 2	111, 480	67. 8	134	-------
1924	1, 184, 574	[1] 170, 952	52, 984	31. 5	115, 328	68. 5	144	-------
1925	1, 188, 334	[1] 175, 449	52, 147	30. 1	121, 333	69. 9	148	-------
1926	1, 202, 574	[1] 180, 853	52, 834	29. 5	126, 563	70. 5	150	3, 625
1927	1, 201, 053	[1] 192, 037	54, 637	29. 0	134, 048	71. 0	160	4, 252
1928	1. 182, 497	[1] 195, 939	55, 065	28. 6	137, 277	71. 4	166	4, 237
1929	1, 232, 559	[1] 201, 408	57, 148	28. 7	142, 187	71. 3	163	4, 408

[1] 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

Division and State	Marriages				Divorces				Number of divorces per 1,000 marriages		Number of annulments, 1929
	Number		Per 1,000 of the population [1]		Number		Per 1,000 of the population [1]				
	1928	1929	1928	1929	1928	1929	1928	1929	1928	1929	
Continental United States	1,182,497	1,233,559	9.9	10.1	195,939	201,468	1.63	1.66	166	163	4,406
New England	59,814	62,279	7.4	7.7	8,046	7,881	1.00	.97	135	127	106
Maine	6,178	6,195	7.8	7.8	1,315	1,261	1.66	1.59	213	204	13
New Hampshire	4,796	5,171	10.4	11.2	706	691	1.53	1.49	147	134	10
Vermont	2,997	2,712	8.4	7.6	396	406	1.10	1.13	132	150	3
Massachusetts	29,082	30,568	7.0	7.2	3,646	3,552	.87	.84	125	116	62
Rhode Island	5,111	5,330	7.6	7.8	707	751	1.05	1.10	138	141	
Connecticut	11,650	12,303	7.4	7.7	1,276	1,220	.81	.77	110	99	18
Middle Atlantic	211,108	222,299	8.3	8.6	18,420	16,010	.64	.62	78	72	1,143
New York	114,348	121,535	9.4	9.8	5,293	5,143	.43	.41	46	42	1,029
New Jersey	29,120	30,257	7.5	7.6	3,170	3,001	.81	.75	109	99	61
Pennsylvania	67,640	70,507	7.1	7.4	7,957	7,866	.84	.82	118	112	53
East North Central	233,261	248,370	9.5	9.9	51,435	53,876	2.09	2.15	221	217	583
Ohio	59,339	65,679	9.1	10.0	14,043	15,313	2.25	2.33	247	233	62
Indiana	40,960	43,800	12.9	13.6	7,885	8,153	2.47	2.54	193	186	83
Illinois	79,725	84,092	10.7	11.1	15,703	15,758	2.11	2.09	197	187	249
Michigan	37,300	36,816	8.0	7.7	10,531	11,981	2.27	2.52	282	325	109
Wisconsin	15,937	17,983	5.5	6.2	2,673	2,671	.93	.92	168	149	60
West North Central	121,452	126,406	9.2	9.6	23,339	24,268	1.81	1.83	196	192	190
Minnesota	23,249	24,109	9.2	9.5	2,844	2,859	1.12	1.12	122	119	21
Iowa	20,529	21,935	8.4	8.9	4,076	4,402	1.66	1.79	199	201	25
Missouri	37,056	38,253	10.3	10.6	10,089	9,813	2.81	2.72	272	256	42
North Dakota	4,260	4,155	6.3	6.1	461	561	.68	.83	108	135	9
South Dakota	6,738	6,701	9.9	9.7	750	778	1.10	1.13	111	116	4
Nebraska	9,032	10,202	7.3	7.4	1,538	1,728	1.13	1.26	155	169	71
Kansas	19,679	21,041	10.6	11.2	4,081	4,127	2.19	2.20	207	196	18
South Atlantic	165,275	171,553	10.7	11.0	14,584	15,370	.94	.98	88	90	199
Delaware	1,153	1,230	4.9	5.2	185	174	.78	.73	160	141	7
Maryland	24,226	25,124	15.1	15.5	1,976	2,111	1.23	1.30	82	84	6
Dist. of Columbia	5,208	5,634	11.1	11.7	101	115	.21	.24	19	20	27
Virginia	21,406	23,570	8.9	9.8	2,952	3,054	1.23	1.27	138	130	21
West Virginia	18,361	19,219	10.9	11.2	2,071	1,995	1.23	1.17	113	104	43
North Carolina	21,373	18,746	7.0	6.0	1,609	1,707	.52	.55	75	91	28
South Carolina [2]	25,029	27,208	14.5	15.7							8
Georgia	30,400	32,534	10.5	11.2	2,174	2,441	.75	.84	72	75	39
Florida	18,032	18,198	13.0	12.7	3,516	3,773	2.54	2.64	195	207	20
East South Central	121,853	119,811	12.5	12.2	16,419	16,521	1.69	1.68	135	138	54
Kentucky	29,065	30,474	11.3	11.7	4,610	4,503	1.79	1.77	159	151	8
Tennessee	33,672	28,412	13.1	10.9	4,985	5,180	1.94	2.00	148	182	29
Alabama	28,853	29,430	11.1	11.2	3,817	3,580	1.47	1.37	132	122	10
Mississippi	30,263	31,495	15.3	15.8	3,007	3,159	1.52	1.58	99	100	7
West South Central	150,724	150,014	12.7	12.5	32,246	33,729	2.72	2.80	214	225	355
Arkansas	27,485	30,323	15.0	16.4	4,498	4,928	2.45	2.67	164	163	7
Louisiana	18,427	20,729	9.0	10.0	1,913	2,166	.93	1.04	104	104	17
Oklahoma	28,472	35,789	12.2	15.1	7,762	8,252	3.33	3.48	273	231	164
Texas	76,340	63,173	13.6	11.0	18,073	18,383	3.21	3.20	237	291	167
Mountain	45,607	52,033	12.5	14.2	10,912	11,051	3.00	3.01	239	212	241
Montana	5,794	6,115	10.7	11.4	1,376	1,492	2.55	2.77	237	244	40
Idaho	4,036	4,779	10.5	10.8	1,032	1,036	2.33	2.33	223	217	25
Wyoming	1,808	1,941	8.2	8.7	748	704	3.40	3.15	414	363	14
Colorado	12,065	13,047	11.8	12.7	2,362	2,392	2.32	2.33	196	183	70
New Mexico	4,892	6,727	11.8	16.1	715	798	1.73	1.91	146	119	10
Arizona	6,400	7,405	15.3	17.3	1,062	1,084	2.54	2.53	166	146	24
Utah	5,844	6,286	11.7	12.5	1,022	1,012	2.05	2.01	175	161	22
Nevada	4,168	5,733	47.0	63.7	2,595	2,533	29.25	28.13	623	442	36
Pacific	73,403	79,794	9.5	10.0	22,038	22,782	2.85	2.84	300	285	1,557
Washington	18,833	19,685	12.3	12.7	4,554	4,484	2.98	2.90	242	228	65
Oregon	7,625	8,243	8.3	8.8	3,053	3,179	3.30	3.38	400	386	16
California	46,945	51,866	8.9	9.4	14,431	15,099	2.73	2.74	307	291	1,476

[1] Based on estimated population for the given year. Figures for 1928 changed to conform with results of census of 1930.

[2] No divorces are granted in South Carolina.

Source: Bureau of the Census, Department of Commerce.

4. IMMIGRATION AND EMIGRATION

In compiling immigration statistics for the United States, Alaska, Hawaii, and Porto 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 1930

NOTE.—For 1821 to 1855 the figures represent alien passengers arriving; for 1856 to 1903, immigrants arriving; for 1904 to 1906, 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 [1]	143,439	1878	138,469	1900	448,572	1922	309,556
1831–1840 [2]	599,125	1879	177,826	1901	487,918	1923	522,919
1841–1850 [3]	1,713,251	1880	457,257	1902	648,743	1924	706,896
1851–1860 [4]	2,511,060	1881	669,431	1903	857,046	1925	294,314
1861–1870	2,377,279	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	3,687,564	1885	395,346	1907	1,285,349	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		
1921–1930	4,107,209					Calendar years:	
		1888	546,889	1910	1,041,570	1928	290,297
1900–1904	3,255,149	1889	444,427	1911	878,587	1929	268,941
1905–1909	4,947,239	1890	455,302	1912	838,172	1930	180,251
1910–1914	5,174,701	1891	560,319	1913	1,197,892		
1915–1919	1,172,679	1892	579,663	1914	1,218,480		
1920–1924	2,774,600	1893	439,730	1915	326,700		
1925–1929	1,520,910						
		1894	285,631	1916	298,826		
1873	459,803	1895	258,536	1917	295,403		
1874	313,339	1896	343,267	1918	110,618		
1875	227,498	1897	230,832	1919	141,132		
1876	169,986	1898	229,299	1920	430,001		
1877	141,857	1899	311,715	1921	805,228		

[1] Oct. 1, 1820, to Sept. 30, 1830.
[2] Oct. 1, 1830, to Dec. 31, 1840.
[3] Jan. 1, 1841, to Dec. 31, 1850.
[4] Jan. 1, 1851, to June 30, 1860.

No. 94.—ADMISSIONS AND DEPARTURES OF ALIENS

Period or year ended—	Admitted			Departed			Excess of admissions over departures	
	Immigrant	Nonimmigrant	Total	Emigrant	Nonemigrant	Total	Immigrant over emigrant	Total
June 30:								
1910–1914, total.	5,174,701	901,009	6,075,800	1,442,892	1,316,762	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	951,590	2,472,500	389,746	843,861	1,233,607	1,131,164	1,238,893
1910	1,041,570	156,467	1,198,037	202,436	177,982	380,418	839,134	817,619
1911	878,587	151,713	1,030,300	295,666	222,549	518,215	582,921	512,085
1912	838,172	178,983	1,017,155	333,262	282,030	615,292	504,910	401,863
1913	1,197,892	229,335	1,427,227	308,190	303,734	611,924	889,702	815,303
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	122,626	50,070
1916	298,826	67,922	366,748	129,765	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	98,683	193,268	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	193,514
1921	805,228	172,935	978,163	247,718	178,313	426,031	557,510	552,132
1922	309,556	122,949	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	706,896	172,406	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	76,992	150,763	227,755	227,496	268,351
1927	335,175	202,826	538,001	73,366	180,142	253,508	261,809	284,493
1928	307,255	193,376	500,631	77,457	196,899	274,356	229,798	226,275
1929	279,678	199,649	479,327	69,203	183,295	252,498	210,475	226,829
1930	241,700	204,514	446,214	50,661	221,764	272,425	191,039	173,789
Dec. 31:								
1928	290,297	197,385	487,682	77,599	194,509	272,108	212,698	215,574
1929	268,941	204,786	473,727	53,173	198,442	251,615	215,768	222,112
1930	180,251	200,718	380,969	52,930	238,055	290,985	127,321	89,984

Source of Tables 93 and 94: Commissioner General of Immigration, 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	1919	141,132	8,026	3,068
1905–1909, total	4,947,239	58,688	6,709	1920	430,001	11,795	2,762
				1921	805,228	13,779	4,517
1910	*1,041,570*	*24,270*	*2,695*	1922	*309,556*	13,731	4,345
1911	878,587	22,349	2,788	1923	522,919	20,619	3,661
1912	838,172	16,057	2,456	1924	706,896	30,284	6,409
1913	1,197,892	19,938	3,461	1925	294,314	25,390	9,495
1914	1,218,480	33,041	4,610	1926	304,488	20,550	10,904
1915	326,700	24,111	2,564	1927	335,175	19,755	11,662
1916	298,826	18,867	2,781	1928	307,255	18,839	11,625
1917	295,403	16,028	1,853	1929	279,678	18,127	12,908
1918	110,618	7,297	1,569	1930	241,700	8,233	10,681

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

	1910–1914, total	1915–1919, total	1920–1924, total	1925–1929, total	1928	1929	1930
Reporting occupations—							
Professional	*62,124*	*41,308*	*79,309*	*53,953*	10,931	10,138	9,888
Skilled	747,794	198,985	510,236	280,107	58,928	51,341	45,572
Unskilled	2,882,435	417,805	954,418	505,119	99,621	88,127	69,758
Farmers	56,788	27,038	74,973	51,001	8,773	8,309	8,375
Farm laborers	1,257,060	82,251	111,583	101,120	24,161	19,849	13,736
Common laborers	959,421	188,192	466,575	194,587	36,218	26,192	16,447
Servants	604,907	115,010	288,109	149,447	28,751	31,841	29,073
Other unskilled	10,109	4,714	13,178	8,964	1,718	1,936	2,127
Commercial[1]	72,572	35,926	59,924	27,535	4,965	4,734	5,137
Miscellaneous	*55,279*	*49,254*	*95,895*	50,198	7,718	*5,644*	5,751
Bringing—							
Less than $50	3,222,314	480,506	954,147	549,474	113,614	94,943	67,872
$50 or more	674,931	378,449	822,386	598,087	119,501	115,434	122,177
Amount brought ($1,000)	171,406	84,870	171,467	111,743	20,954	21,428	21,877
Passage paid by—							
Self	*3,460,555*	*708,655*	*1,562,535*	*863,541*	*181,043*	*158,276*	*135,776*
Relative	1,667,869	429,701	1,123,827	632,616	120,367	117,592	103,099
Others	56,277	34,323	80,938	24,753	5,845	3,810	2,825
Going to join—							
Relative	4,169,933	758,897	2,132,479	1,140,502	222,305	216,839	199,841
Friend	706,468	173,946	277,995	146,595	31,000	28,490	25,808
No one	298,600	229,856	364,126	233,813	53,950	34,349	16,051

[1] 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

	1900–1909, total	1910–1914, total	1915–1919, total	1920–1924, total	1925–1929, total	1928	1929	1930
Admissions, total	8,202,388	5,174,701	1,172,879	2,774,600	1,520,910	307,255	279,678	241,700
Males	5,710,052	3,442,917	688,881	1,577,496	836,091	165,977	142,132	117,026
Females	2,492,336	1,731,784	483,795	1,197,104	684,819	141,278	137,546	124,674
Males per 1,000 females	2,291	1,988	1,424	1,318	1,221	1,175	1,033	939
Under 16 years[1]	992,656	657,825	195,241	516,293	247,373	49,680	47,035	40,777
16 to 44 years[1]	6,803,052	4,229,546	853,348	2,003,466	1,135,903	230,832	207,990	177,050
45 years and over	406,680	287,330	124,090	254,841	137,634	26,743	23,753	23,864
Illiterates, number[2]	1,924,786	1,143,266	116,749	75,231	20,556	5,916	4,393	2,495
Per cent	23.5	22.1	10.0	2.7	1.4	1.9	1.6	1.0
Departures, total[3]		1,442,892	618,223	892,984	389,746	77,457	69,203	50,691
Males		*1,163,750*	*495,643*	*682,170*	*278,709*	*54,786*	*48,533*	*32,595*
Females		279,142	122,580	210,814	111,037	22,671	22,670	18,096
Males per 1,000 females		4,169	4,043	3,236	2,510	2,417	2,053	1,798
Under 16 years[1]		69,018	38,883	39,280	18,493	3,500	4,246	3,479
16 to 44 years[1]		1,217,753	488,282	635,980	285,680	56,118	48,956	34,199
45 years and over		156,121	91,058	217,724	85,573	17,839	16,001	12,983

[1] Prior to 1918 the division point is 14 years.
[2] Unable to read or write in any language.
[3] Not available prior to 1908.

Source of Tables 95, 96, and 97: Commissioner General of Immigration, Department of Labor.

No. 98.—IMMIGRATION, BY COUNTRY OF LAST PERMANENT RESIDENCE, 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. 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[1]	1871–1880	1881–1890	1891–1900	1901–1910	1911–1920	1921–1930
Grand total	1,713,251	2,598,214	2,314,824	2,812,191	5,246,613	3,687,564	8,795,386	5,735,811	4,107,209
Total Europe	1,597,501	2,452,660	2,065,270	2,872,262	4,737,046	3,558,978	8,136,016	4,376,564	2,477,853
Austria			7,800	72,969	353,719	592,707	2,145,266	453,649	32,868
Hungary								442,693	30,680
Belgium	5,074	4,738	6,734	7,221	20,177	18,167	41,635	33,746	15,846
Bulgaria[2]						160	39,280	22,533	2,945
Czechoslovakia								3,426	102,194
Denmark	539	3,749	17,094	31,771	88,132	50,231	65,285	41,933	32,430
Finland								756	16,691
France	77,262	76,358	35,986	72,206	50,464	30,770	73,379	61,897	40,610
Germany	434,626	951,667	787,468	718,182	1,452,970	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	13,903	20,931	109,298	95,323	170,536	95,015	190,505	66,395	68,531
Sweden				115,922	391,776	226,266	249,534	95,074	97,249
Poland[3]	105	1,164	2,027	12,970	51,806	96,720		4,813	227,734
Rumania				11	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	4,419	8,731	27,935	68,611	28,958
Portugal	550	1,055	2,658	14,082	16,978	27,508	69,149	89,732	29,994
Switzerland	4,644	25,011	23,285	28,293	81,988	31,179	34,922	23,091	29,676
Turkey in Europe	59	83	129	337	1,562	3,526	79,976	54,677	14,659
United Kingdom	1,047,763	1,338,093	1,042,674	984,914	1,462,839	659,954	865,015	437,589	[4] 550,804
England	32,092	247,125	222,277	437,706	644,680	216,726	388,017	249,044	157,420
Ireland	780,719	914,119	436,778	436,871	655,482	388,416	339,065	146,181	220,591
Scotland	8,712	38,331	38,769	87,564	149,869	44,168	120,469	78,357	159,781
Wales	1,261	6,319	4,313	6,631	12,640	10,557	17,464	13,107	13,012
Not specified	229,979	132,199	341,537	16,142	168	67			
Yugoslavia								1,388	40,064
Other Europe	79	5	8	1,001	682	122	665	8,111	22,983
Total Asia[5]	82	41,455	64,630	123,823	69,380	71,236	248,567	192,559	97,490
China[5]	35	41,397	64,301	123,201	61,711	14,799	20,605	21,278	29,907
Japan[6]			186	149	2,270	25,942	129,797	83,337	33,462
Turkey in Asia[6]			2	67	2,220	20,799	77,393	79,389	19,165
Other Asia[5]	47	58	141	406	2,179	3,696	15,772	8,055	14,866
Total America[7]	62,469	74,720	166,607	404,044	426,967	88,972	361,888	1,143,671	1,516,716
Canada and Newfoundland[7]	41,723	59,309	153,878	383,640	393,304	3,311	179,226	742,185	924,515
Mexico[7]	3,271	3,078	2,191	5,162	1,913	971	49,642	219,004	459,287
Central America[8]	368	449	95	157	404	549	8,192	17,159	15,769
South America[8]	3,579	1,224	1,397	1,123	2,304	1,075	17,280	41,899	42,215
West Indies[5]	13,528	10,660	9,046	13,957	29,042	33,066	107,548	123,424	74,899
Other America									31
Africa[8]	55	210	312	358	857	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	1,079	427
All other countries	53,144	29,169	17,969	790	789	14,063	33,523	1,147	228

[1] Jan. 1, 1861, to June 30, 1870.
[2] Includes Serbia and Montenegro, prior to 1920.
[3] From 1899 to 1919 Poland is included with Austria-Hungary, Germany, and Russia.
[4] Includes Irish Free State.
[5] Included in "All other countries" in 1892.
[6] Included in "All other countries" in 1892; in "Other Asia" in 1893 and 1894.
[7] Immigrants from Canada, Newfoundland, and Mexico not reported from 1886 to 1893, inclusive.
[8] Included in "All other countries" in 1892 and 1893.

Source: Reports of the Commissioner General of Immigration, 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

Country	Fiscal years ended June 30—								
	1910–1914, total			1920–1924, total			1925–1929, total		
	Admitted	Departed	Excess	Admitted	Departed	Excess	Admitted	Departed	Excess
All countries, total.	5,174,701	1,442,892	3,731,809	2,774,600	892,984	1,881,616	1,520,910	389,746	1,131,164
Europe, total	4,624,169	1,176,037	3,448,132	1,787,303	758,819	1,028,484	789,407	294,972	494,435
Albania				[1] 250	[1] 284	[1] −34	1,072	1,062	10
Austria	575,852	181,494	394,358	25,842	4,716	21,126	5,550	2,447	3,103
Hungary	553,801	174,362	379,439	25,262	32,110	−6,848	4,237	4,268	−31
Belgium	28,450	4,727	23,723	17,936	5,668	12,268	3,575	2,455	1,120
Bulgaria	24,821	20,514	4,307	1,914	7,559	−5,645	910	614	296
Czechoslovakia				84,245	38,087	46,158	16,937	11,059	5,878
Denmark	33,470	2,804	30,666	21,910	4,110	17,800	12,496	2,815	9,681
Estonia				[1] 765	[1] 11	[1] 754	679	81	598
Finland				14,624	5,704	8,830	2,298	2,570	−272
France	43,004	17,003	26,001	33,484	12,816	20,668	21,358	7,677	13,681
Germany	161,195	27,938	133,257	149,103	15,401	133,702	237,531	25,277	212,254
Greece	132,212	70,708	61,504	52,144	51,481	663	8,630	19,065	−10,435
Irish Free State [2]							120,188	5,388	114,800
Italy	1,104,833	405,723	699,110	460,644	236,985	223,659	67,489	94,525	−27,036
Latvia				[1] 1,473	[1] 67	[1] 1,406	1,556	202	1,354
Lithuania				[1] 2,369	[1] 335	[1] 2,034	3,034	1,809	1,225
Netherlands	35,734	2,777	32,957	20,603	3,553	17,050	8,794	2,558	6,236
Norway	57,079	9,245	47,834	40,891	8,756	32,135	29,436	8,287	21,149
Poland				183,881	102,376	81,505	39,435	14,596	24,839
Portugal	51,902	8,477	43,425	41,770	21,749	20,021	3,059	12,150	−9,091
Rumania	12,851	2,331	10,520	61,083	36,863	24,220	6,727	5,805	922
Russia	1,054,608	153,470	901,138	54,692	26,575	28,117	6,912	1,699	5,213
Spain	28,631	8,723	19,908	45,077	20,124	24,953	2,032	11,767	−9,735
Sweden	80,215	9,340	70,875	57,883	9,934	47,949	42,110	5,645	36,474
Switzerland	18,311	2,817	15,994	21,480	3,825	17,655	10,292	2,853	7,430
Turkey in Europe	69,651	19,939	49,712	15,208	2,671	12,537	1,162	203	959
United Kingdom [2]	445,940	53,555	392,386	301,471	48,307	253,164	122,747	37,613	85,134
England	218,767	29,939	188,828	122,575	32,238	90,337	49,832	28,093	21,139
Ireland	137,410	13,346	124,064	81,456	10,472	70,984	5,093	811	4,282
Scotland	78,391	9,465	68,926	90,809	5,122	85,687	61,627	7,880	53,747
Wales	11,372	805	10,567	6,631	475	6,156	6,195	229	5,966
Yugoslavia				43,487	55,296	−11,809	5,728	10,182	−4,454
Other Europe	2,109	90	2,019	7,812	3,166	4,646	3,424	300	3,124
Asia, total	132,041	32,749	99,292	92,572	49,678	42,894	17,798	27,478	−9,680
China	9,800	12,157	−2,357	22,723	22,477	246	7,925	18,570	−10,645
Japan	30,564	10,692	19,872	38,636	18,016	20,620	3,421	5,655	−2,234
India	2,795	747	2,048	1,611	1,044	567	485	674	−209
Syria, Palestine, and Iraq.				[1] 2,946	[1] 492	[1] 2,454	4,530	1,725	2,805
Turkey in Asia	83,900	8,560	75,340	23,769	6,980	16,789	235	440	−205
Other Asia	4,982	593	4,389	2,887	669	2,218	1,222	414	808
America, total	508,682	229,928	276,754	883,980	81,042	802,947	705,219	64,293	643,926
Canada and Newfoundland.	329,316	195,872	133,444	526,863	22,980	503,873	422,433	13,655	408,778
Central America	6,423	1,984	4,439	8,859	3,377	5,482	7,652	3,442	4,210
Mexico	38,358	4,146	34,212	255,774	23,182	232,592	243,171	20,261	222,910
South America	18,306	6,318	11,988	25,802	7,331	18,471	17,223	7,419	9,804
West Indies	64,023	21,427	42,596	65,771	24,068	41,703	17,711	19,515	−1,804
Other America	256	181	75	930	104	826	29	1	28
Africa	5,985	1,161	4,824	3,917	672	3,245	2,445	701	1,744
Australia, Tasmania, New Zealand.	5,341	2,854	2,487	6,458	2,804	3,654	2,881	2,188	693
Pacific Islands, not specified.	483	63	320	361	169	192	160	114	46

[1] Figures for 1924 only. Data for prior years included with countries to which they formerly belonged.
[2] Included with United Kingdom prior to 1925.

DEPARTED: BY COUNTRY OF LAST OR FUTURE PERMANENT RESIDENCE

indicated by minus sign (—). For totals for period 1915–1919, see Statistical Abstract, 1929, p. 96

Fiscal year ended June 30—						Calendar year				Country
1928		1929		1930		1929		1930		
Admitted	Departed	Admitted	Departed	Admitted	Departed	Admitted	Departed	Admitted	Departed	
307,255	77,457	279,678	69,203	241,700	50,661	268,941	58,173	180,251	52,930	All countries, total.
158,513	57,185	158,598	47,281	147,438	29,538	157,949	31,490	117,608	31,367	Europe, total.
263	90	329	87	341	33	330	47	269	39	Albania.
1,277	580	1,256	446	1,744	301	1,566	356	1,353	265	Austria.
887	920	1,045	761	1,265	550	1,162	606	1,130	532	Hungary.
608	485	669	538	909	489	692	404	945	633	Belgium.
158	110	215	78	211	84	209	76	189	94	Bulgaria.
3,571	2,070	4,411	1,689	4,438	1,166	4,684	1,284	3,338	1,138	Czechoslovakia.
2,473	540	2,525	486	1,161	305	2,060	291	877	451	Denmark.
136	11	141	36	132	27	111	22	121	43	Estonia.
473	585	416	466	525	274	429	253	505	464	Finland.
4,438	2,030	4,428	1,794	3,713	1,978	4,115	1,841	3,039	1,942	France.
45,778	6,045	46,751	6,330	26,569	4,639	38,795	5,300	21,502	3,376	Germany.
2,328	2,461	2,260	1,736	2,291	733	2,289	775	2,205	869	Greece.
24,544	1,115	17,672	1,452	17,971	1,242	18,028	1,163	14,039	1,456	Irish Free State.
17,728	17,324	18,008	12,311	22,327	2,654	21,381	4,812	18,356	2,420	Italy.
258	55	334	39	370	33	348	33	329	55	Latvia.
531	319	625	257	612	169	655	153	531	305	Lithuania.
1,843	514	1,742	466	2,738	476	2,107	440	2,491	563	Netherlands.
5,060	1,080	5,977	963	2,649	1,085	4,544	865	2,143	1,337	Norway.
8,765	3,071	9,002	2,273	9,231	1,979	9,407	1,806	7,105	2,263	Poland.
584	1,358	623	1,919	637	255	688	484	582	165	Portugal.
1,376	1,002	1,707	718	1,726	508	1,790	576	1,306	415	Rumania.
1,254	426	934	314	1,133	256	929	257	681	344	Russia.
455	1,983	547	1,150	670	1,231	668	936	572	1,503	Spain.
8,051	1,282	8,877	975	3,109	1,113	6,540	895	2,512	1,460	Sweden.
1,994	726	2,140	580	1,689	465	1,864	509	1,436	425	Switzerland.
242	38	231	11	222	5	274	11	88	1	Turk. in Europe.
20,682	7,761	23,576	7,806	36,489	6,070	29,858	5,898	27,864	7,441	U. Kingdom.[a]
7,338	6,039	8,008	6,058	12,884	4,056	10,665	4,212	10,438	4,464	England.
724	185	2,249	41	5,474	321	3,319	264	4,592	429	Ireland.
11,085	1,498	11,802	1,551	16,692	1,589	14,205	1,335	12,068	2,386	Scotland.
1,535	39	1,427	56	1,439	105	1,769	85	771	162	Wales.
1,386	1,941	1,369	1,524	1,737	1,302	1,620	1,257	1,296	1,263	Yugoslavia.
720	57	782	67	829	116	716	92	809	115	Other Europe.
3,380	6,073	3,758	5,056	4,535	4,792	4,205	4,301	4,271	4,577	Asia, total.
1,320	4,304	1,446	3,626	1,589	3,471	1,577	3,139	1,365	3,386	China.
550	1,085	771	945	837	1,035	815	881	726	921	Japan.
102	156	103	151	110	121	101	123	132	102	India.
1,058	322	1,069	216	1,199	81	1,200	76	891	88	Syria, Palestine, and Iraq.
59	61	57	47	105	19	80	19	164	13	Turkey in Asia.
291	85	312	71	695	65	432	63	993	67	Other Asia.
144,281	13,620	116,177	16,324	88,104	15,773	105,446	16,874	56,863	16,524	America, total.
75,281	3,061	66,451	3,118	65,254	3,229	71,007	3,294	42,420	3,268	Canada and Newfoundland.
1,751	758	1,557	736	1,618	869	1,714	811	1,335	829	Central America.
59,016	3,957	40,154	7,195	12,703	6,355	23,723	7,823	6,381	6,694	Mexico.
4,166	1,600	3,703	1,610	3,302	1,742	3,575	1,625	2,848	1,913	South America.
4,058	4,244	4,306	3,665	5,225	3,577	5,419	3,320	3,876	3,820	West Indies.
9	-------	6	-------	2	1	8	1	2	-------	Other America.
475	141	509	168	572	180	552	144	548	154	Africa.
578	425	619	361	1,026	358	769	347	932	294	Australia, Tasmania, New Zealand.
28	13	17	13	25	20	20	17	30	14	Pacific Islands, not specified.

[a] Figures include Irish Free State prior to 1925; beginning 1925 figures shown under Ireland are for Northern Ireland only.

Source: Commissioner General of Immigration, Department of Labor.

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

NOTE.—Excess of departures indicated by minus sign (−). For percentage distribution of

Race or people	Fiscal years ended June 30—								
	1910–1914, total			1920–1924, total			1925–1929, total		
	Admitted	Departed	Excess	Admitted	Departed	Excess	Admitted	Departed	Excess
Total	5,174,701	1,442,892	3,731,809	2,774,600	892,984	1,881,616	1,520,910	389,746	1,131,164
African (black)	33,527	6,603	26,924	43,092	8,239	34,853	4,850	4,043	807
Armenian	30,900	4,164	26,796	20,559	1,571	18,988	4,291	314	3,977
Bohemian and Moravian (Czech)	47,143	5,182	41,961	17,650	8,072	9,578	9,408	7,955	1,453
Bulgarian, Serbian, Montenegrin	60,180	35,846	24,334	14,509	43,069	−28,560	2,706	7,751	−4,935
Chinese	9,061	11,957	−2,896	19,374	21,884	−2,510	6,149	18,049	−11,900
Croatian and Slovenian	162,693	59,480	103,213	23,611	15,398	8,213	4,046	2,320	1,726
Cuban	17,038	7,964	9,074	6,490	5,278	1,212	8,506	6,002	2,504
Dalmatian, Bosnian, Herzegovinian	22,652	4,021	18,631	2,166	3,375	−1,209	409	2,100	−1,691
Dutch and Flemish	64,882	9,097	55,785	42,936	9,820	33,116	15,299	5,421	9,878
East Indian	2,824	675	2,149	1,046	779	267	240	416	−176
English	267,713	48,262	219,451	297,885	47,433	250,452	198,394	42,232	156,162
Finnish	57,717	15,637	42,080	15,311	6,037	9,274	3,045	2,747	298
French	96,439	18,567	77,872	148,132	17,527	130,605	99,710	7,835	91,875
German	383,930	87,420	296,510	223,894	20,712	203,182	279,265	29,845	249,420
Greek	192,247	76,093	116,154	59,076	51,833	7,243	10,883	10,305	−3,422
Hebrew	495,459	33,031	462,428	286,560	2,344	284,216	56,160	1,298	54,862
Irish	183,471	19,005	164,466	149,781	12,747	137,034	198,977	7,397	191,580
Italian (north)	174,871	64,304	110,567	67,105	32,296	34,809	11,191	15,298	−4,107
Italian (south)	971,366	352,486	618,880	401,834	205,941	195,893	61,831	79,690	−17,859
Japanese	30,788	10,756	20,032	37,304	17,907	19,397	3,178	5,505	−2,327
Korean	276	320	−44	447	179	268	196	181	15
Lithuanian	100,050	17,181	82,869	6,672	11,322	−4,650	2,006	1,918	88
Magyar	146,045	72,833	73,212	30,034	33,460	−3,426	5,464	4,883	581
Mexican	82,588	3,434	79,154	249,248	22,055	227,100	238,527	10,852	218,675
Pacific Islander	88	12	76	63	16	47	19	21	−2
Polish	581,979	145,735	436,244	62,603	99,471	−36,868	18,347	14,603	3,744
Portuguese	47,742	7,472	40,270	42,591	22,241	20,350	4,053	12,396	−8,343
Rumanian	65,360	19,881	45,479	11,467	36,495	−25,028	2,160	5,443	−3,283
Russian	155,002	51,904	103,098	21,628	17,472	4,156	6,013	3,168	2,845
Ruthenian	134,911	21,454	113,457	5,438	1,687	3,751	2,560	245	2,315
Scandinavian (Norwegians, Danes, and Swedes)	204,287	40,812	163,475	137,719	25,205	112,514	96,891	18,190	78,701
Scotch	110,820	16,572	94,248	161,379	8,673	152,706	125,448	10,342	115,106
Slovak	132,195	58,933	73,182	56,625	33,506	23,119	6,811	3,361	3,450
Spanish	43,081	13,805	29,276	60,110	24,810	35,300	4,269	14,557	−10,288
Spanish-American	6,302	2,103	4,199	13,760	6,430	7,330	14,802	7,993	6,809
Syrian	35,519	5,219	30,300	12,288	5,737	6,551	2,867	1,250	1,617
Turkish	8,245	6,244	2,001	1,125	2,746	−1,621	666	697	−31
Welsh	12,109	1,444	10,665	8,423	659	7,764	7,163	422	6,741
West Indian (other than Cuban)	5,990	2,523	3,467	7,753	3,418	4,335	1,853	3,406	−1,553
Other peoples	17,181	[1] 104,411	−87,230	6,912	5,137	1,775	2,197	1,295	902

[1] Includes 99,042 whose race was not specified.

PARTED WITH EXCESS OF ADMISSIONS OR DEPARTURES: BY RACE

immigrants see Table 108. For totals for period 1915–1919, see Statistical Abstract 1929, p. 98.

Fiscal year ended June 30—						Calendar year				Race or people
1928		1929		1930		1929		1930		
Admitted	Departed	Admitted	Departed	Admitted	Departed	Admitted	Departed	Admitted	Departed	
307,255	77,457	279,678	69,203	241,700	50,661	268,941	53,173	180,251	52,930	Total.
956	789	1,254	425	1,806	776	1,519	648	1,046	771	African (black).
1,062	47	929	26	790	57	755	43	648	44	Armenian.
1,248	1,327	1,427	1,308	653	574	1,152	664	450	610	Bohemian and Moravian (Czech).
631	1,396	685	1,341	744	846	823	922	533	829	Bulgarian, Serbian, and Montenegrin.
931	4,300	1,071	3,496	970	3,404	1,037	3,032	802	3,337	Chinese.
938	534	1,075	176	1,314	280	1,125	201	1,016	302	Croatian and Slovenian.
2,058	1,282	2,141	1,166	2,122	1,274	2,588	1,150	1,150	1,332	Cuban.
95	361	119	347	108	119	107	149	100	131	Dalmatian, Bosnian, and Herzegovinian.
2,880	1,084	2,949	1,101	4,713	998	3,702	893	4,165	1,230	Dutch and Flemish.
38	106	56	67	51	65	50	69	72	72	East Indian.
33,597	8,780	29,846	9,960	34,960	6,461	34,196	6,956	24,685	6,717	English.
544	647	509	487	556	331	451	270	495	573	Finnish.
17,903	1,915	16,957	1,021	13,771	1,945	17,591	1,827	8,313	1,967	French.
54,157	8,086	55,031	7,383	34,415	5,732	47,439	6,416	27,469	4,447	German.
2,848	2,525	3,025	1,793	3,793	785	3,482	834	3,677	924	Greek.
11,639	253	12,479	189	11,526	299	12,883	259	8,974	277	Hebrew.
38,193	1,049	30,922	1,659	34,947	1,940	32,975	1,753	26,516	2,165	Irish.
2,653	1,026	2,631	3,826	2,822	755	2,792	1,188	2,206	353	Italian (north).
16,087	15,834	16,452	8,610	20,494	2,206	19,570	3,841	17,126	2,441	Italian (south).
522	1,055	716	931	796	1,004	766	839	696	908	Japanese.
22	39	49	32	27	33	35	42	24	23	Korean.
326	351	409	270	426	194	428	186	378	313	Lithuanian.
1,112	1,024	1,342	820	1,542	668	1,453	714	1,364	569	Magyar.
57,765	3,873	38,980	7,172	11,915	6,296	22,717	7,774	5,652	6,641	Mexican.
2	3	4	3	-------	7	-------	7	5	2	Pacific Islander.
4,238	3,046	3,507	2,316	4,924	1,924	3,771	1,768	4,054	2,247	Polish.
844	1,430	853	1,961	780	336	873	566	721	242	Portuguese.
443	908	585	689	432	420	580	516	301	390	Rumanian.
1,249	642	1,352	548	1,634	472	1,586	487	1,418	482	Russian.
411	59	532	26	473	12	506	22	256	17	Ruthenian.
18,664	3,707	19,428	2,746	8,478	2,775	15,026	2,345	6,787	3,507	Scandinavian (Norwegians, Danes, and Swedes).
23,177	2,268	21,926	1,677	28,117	2,210	25,186	1,866	19,852	3,063	Scotch.
2,197	746	2,443	437	3,214	758	3,100	740	2,438	650	Slovak.
1,018	2,578	899	1,565	1,169	1,776	1,153	1,434	907	2,134	Spanish.
3,490	1,720	3,259	1,755	3,237	1,741	3,408	1,654	2,661	1,836	Spanish-American.
613	232	632	135	637	81	645	68	467	82	Syrian.
143	116	127	61	175	26	159	35	111	25	Turkish.
1,723	85	1,659	115	2,043	180	2,153	155	1,190	232	Welsh.
394	785	380	761	600	737	567	667	562	825	West Indian (other than Cuban).
484	189	438	202	526	155	502	173	364	160	Other peoples.

Source: Commissioner General of Immigration, Department of Labor.

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

Race or people	1910–1914	1920–1924	1925–1929	1929	1930	Race or people	1910–1914	1920–1924	1925–1929	1929	1930
Total	100.0	100.0	100.0	100.0	100.0	Italian (north)	3.4	2.4	.7	.9	1.2
						Italian (south)	18.8	14.5	4.1	5.9	8.5
African (black)	.6	1.6	.3	.4	.7	Japanese	.6	1.3	.2	.3	.3
Armenian	.6	.7	.3	.3	.3	Korean	(1)	(1)	(1)	(1)	(1)
Bohemian and Moravian (Czech)	.9	.6	.6	.5	.3	Lithuanian	1.9	.2	.1	.1	.2
						Magyar	2.8	1.1	.4	.5	.6
Bulgarian, Serbian, Montenegrin	1.2	.5	.2	.2	.3	Mexican	1.6	9.0	15.7	13.9	4.9
Chinese	.2	.7	.4	.4	.4	Pacific Islander	(1)	(1)	(1)	(1)	(1)
Croatian and Slovenian	3.1	.9	.3	.4	.5	Polish	11.2	2.3	1.2	1.3	2.0
						Portuguese	.9	1.5	.3	.3	.3
Cuban	.3	.2	.6	.8	.9	Rumanian	1.3	.4	.1	.2	.2
Dalmatian, Bosnian, Herzegovinian	.4	.1	(1)	(1)	(1)	Russian	3.0	.8	.4	.5	.7
						Ruthenian	2.6	.2	.2	.2	.2
Dutch and Flemish	1.3	1.5	1.0	1.1	1.9	Scandinavian (Norwegians, Danes, Swedes)	3.9	5.0	6.4	6.9	3.5
East Indian	.1	(1)	(1)	(1)	(1)	Scotch	2.1	5.8	8.2	7.8	11.6
English	5.2	10.7	13.0	10.7	14.5	Slovak	2.6	2.0	.4	.9	1.3
Finnish	1.1	.6	.2	.2	.2	Spanish	.8	2.2	.8	.3	.5
French	1.9	5.3	6.6	6.1	5.7	Spanish-American	.1	.5	1.0	1.2	1.3
						Syrian	.7	.4	.2	.2	.3
German	7.0	8.1	18.4	19.9	14.2	Turkish	.2	(1)	(1)	(1)	.1
Greek	3.7	2.1	.7	1.1	1.6	Welsh	.2	.3	.5	.6	.8
Hebrew	9.6	10.3	3.7	4.5	4.8	West Indian (other than Cuban)	.1	.3	.1	.1	.2
Irish	3.5	5.4	13.1	11.1	14.5	Other peoples	.3	.2	.1	.2	.2

[1] Less than one-tenth of 1 per cent.

Source: Commissioner General of Immigration, Department of Labor.

No. 102.—IMMIGRANT ALIENS ADMITTED AND EMIGRANT ALIENS DEPARTED: BY RACE OR PEOPLE AND BY SEX, YEAR ENDED JUNE 30, 1930

NOTE.—For totals of both sexes combined, by race, see Table 100

Race or people	Admitted		Departed		Race or people	Admitted		Departed	
	Male	Female	Male	Female		Male	Female	Male	Female
Total	117,036	124,674	32,585	18,066	Japanese	544	252	733	271
					Korean	22	5	26	7
African (black)	785	1,021	283	493	Lithuanian	127	299	114	80
Armenian	192	598	38	19	Magyar	669	873	412	256
Bohemian and Moravian (Czech)	301	352	407	167	Mexican	6,322	5,593	4,241	2,055
					Pacific Islander			3	4
Bulgarian, Serbian, and Montenegrin	236	508	671	175	Polish	2,301	2,623	1,375	549
Chinese	721	249	3,086	318	Portuguese	364	416	231	105
					Rumanian	124	308	285	144
Croatian and Slovenian	479	835	239	41	Russian	680	954	326	146
Cuban	1,535	587	849	425	Ruthenian (Russniak)	236	237	11	1
Dalmatian, Bosnian, and Herzegovinian	39	72	73	46	Scandinavian (Norwegians, Danes, and Swedes)	4,883	3,645	1,667	1,103
Dutch and Flemish	2,808	1,995	622	376	Scotch	13,320	14,788	1,221	939
East Indian	43	8	62	3	Slovak	1,367	1,847	595	163
English	17,369	17,591	3,459	3,002	Spanish	573	599	1,430	346
Finnish	210	346	107	134	Spanish American	1,914	1,323	1,053	688
French	7,349	6,422	1,047	893					
					Syrian	249	388	57	24
German	17,403	17,012	2,990	2,742	Turkish	67	108	20	6
Greek	1,570	2,223	642	143	Welsh	1,147	896	116	64
Hebrew	4,762	6,764	183	116	West Indian (except Cuban)	269	331	261	476
Irish	17,060	17,887	1,088	852	Other peoples	253	273	113	42
Italian (north)	974	1,848	591	164					
Italian (south)	7,803	12,691	1,748	458					

Source: Commissioner General of Immigration, Department of Labor.

No. 103.—ALIENS ADMITTED: BY CLASSES UNDER IMMIGRATION ACT OF 1924 AND BY REGION OF BIRTH, YEARS ENDED JUNE 30

Class	All countries		Europe		Asia		Canada and Newfoundland	
	1929	1930	1929	1930	1929	1930	1929	1930
All classes, total	479,327	446,214	316,437	314,262	20,999	22,100	84,312	57,112
Nonimmigrants, total	99,974	106,713	56,573	63,035	10,316	10,614	10,429	10,591
Government officials, their families, attendants, etc	6,266	6,389	2,542	2,491	883	1,004	87	68
Temporary visitors	64,310	70,823	40,374	45,990	3,215	3,081	4,836	6,143
In transit through United States	27,776	27,991	13,128	14,042	5,155	5,504	5,502	4,370
To carry on trade under existing treaty	1,622	1,510	529	512	1,062	965	4	4
Nonquota immigrants, total	282,435	198,004	115,697	114,211	9,498	9,336	53,383	46,521
Husbands, wives, and children of United States citizens	30,313	32,105	28,633	30,377	1,345	1,298	4	1
Returning residents	101,007	99,154	84,478	81,267	7,263	7,111	2,668	2,603
Natives of nonquota countries and their wives and children	97,785	63,404	517	456	9	8	51,086	43,888
Professors and ministers and their wives and children	1,252	1,340	980	1,071	207	213	24	5
Students	1,898	1,902	1,006	962	674	703	8	16
Women who had been citizens of the United States	132	72	53	52	----	3	75	7
Spanish subjects admitted into Porto Rico	30	26	30	26	----	----	----	----
American Indians born in Canada	18	1	----	----	----	----	18	1
Quota immigrants, total	146,918	141,497	144,167	137,016	1,186	2,150	----	----

	Mexico		West Indies		Central and South America [1]		Other countries	
All classes, total	43,304	17,937	17,393	18,403	10,645	10,806	6,237	5,594
Nonimmigrants, total	2,864	3,230	9,376	9,613	5,516	5,377	4,901	4,253
Government officials, their families, attendants, etc	331	420	1,072	1,066	1,205	1,204	146	136
Temporary visitors	1,882	2,016	6,883	7,243	3,469	3,275	3,661	3,075
In transit through United States	651	794	1,406	1,287	846	891	1,088	1,037
To carry on trade under existing treaty	----	----	15	17	6	7	6	5
Nonquota immigrants, total	40,440	14,707	7,276	7,811	4,990	5,191	661	727
Husbands, wives, and children of United States citizens	----	----	209	263	25	42	97	124
Returning residents	939	2,352	4,230	4,078	1,010	1,292	419	451
Natives of nonquota countries and their wives and children	39,500	12,352	2,751	2,865	3,918	3,824	4	11
Professors and ministers and their wives and children	1	----	7	18	4	6	29	27
Students	----	1	75	82	33	25	102	113
Women who had been citizens of the United States	----	2	4	5	----	2	----	1
Quota immigrants, total	----	----	741	1,479	139	238	685	614

[1] Includes Greenland, Miquelon, and St. Pierre.

Source: Commissioner General of Immigration, Department of Labor.

No. 104.—IMMIGRATION QUOTAS AND ALIENS ADMITTED AND CHARGED TO QUOTAS: BY NATIONALITY, 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 1890. 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. (See Table 100.) 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, as shown by Table 103.

Country or region	Under immigration act of 1921				Under immigration act of 1924				
	1923		1924		Annual quota, 1925–1929	Number admitted		Quota, 1930	Number admitted, 1930
	Quota[1]	Number admitted	Quota[1]	Number admitted		1925–1929, total	1929		
Total, all countries	**357,803**	**335,480**	**357,803**	**357,642**	**164,667**	**761,622**	**146,918**	**153,714**	**141,497**
Europe	**356,135**	**333,815**	**356,170**	**356,009**	**161,546**	**756,598**	**145,845**	**150,591**	**140,459**
Albania	288	288	288	288	100	449	85	100	110
Armenia (Russian)	230	230	230	230	124	450	114	100	93
Austria	7,451	7,358	7,342	7,342	785	3,889	764	1,413	1,417
Belgium	1,563	1,563	1,563	1,563	512	2,550	512	1,304	1,118
Bulgaria	302	295	302	302	100	488	100	100	95
Czechoslovakia	14,357	14,357	14,357	14,357	3,073	14,821	2,990	2,874	2,898
Danzig, Free City of	301	263	301	301	228	1,101	214	100	112
Denmark	5,619	5,226	5,619	5,619	2,789	13,118	2,704	1,181	1,145
Estonia	1,348	241	1,348	1,224	124	601	124	116	112
Finland	3,921	3,921	3,921	3,921	471	2,345	470	569	559
Fiume, Free State of	71	67	71	66					
France	5,729	5,034	5,729	5,729	3,954	18,631	3,689	3,086	3,018
Germany	67,607	49,258	67,607	67,607	51,227	243,442	48,975	25,957	27,119
Greece	3,294	3,294	3,063	3,063	100	492	100	307	303
Hungary (including Sopron District)	5,638	5,638	5,747	5,747	473	2,231	470	869	864
Iceland	75	59	75	43	100	300	52	100	41
Irish Free State					[2]28,567	[2]131,135	19,343	17,853	19,602
Italy	42,057	42,057	42,057	42,057	3,845	17,917	3,705	5,802	5,012
Latvia	1,540	1,513	1,540	1,540	142	689	141	236	202
Lithuania (including Memel and a part of Pinsk region)	2,460	2,460	2,629	2,629	344	1,708	347	386	384
Luxemburg	92	92	92	92	100	485	100	100	96
Netherlands	3,607	3,607	3,607	3,607	1,648	7,871	1,577	3,153	2,825
Norway	12,202	12,202	12,202	12,202	6,453	30,544	6,068	2,377	2,546
Poland (including Eastern Galicia and part of Pinsk region)	31,146	29,730	30,977	30,977	5,982	29,057	5,697	6,524	6,456
Portugal (including Azores and Madeira Islands)	2,465	2,465	2,465	2,465	503	2,430	506	440	437
Rumania	7,419	7,419	7,419	7,419	603	2,987	591	295	294
Russia, European and Asiatic (excl. barred zone)	24,405	24,405	24,405	24,405	2,248	10,748	2,071	2,784	2,676
Spain (including Canary Islands)	912	912	912	912	131	641	126	252	248
Sweden	20,042	19,867	20,042	20,042	9,561	44,041	9,176	3,314	3,204
Switzerland	3,752	3,752	3,752	3,752	2,081	9,666	2,020	1,707	1,605
Turkey, European and Asiatic	2,388	2,388	2,654	2,654	100	479	100	226	224
United Kingdom [3]	77,342	77,342	77,342	77,342	34,007	156,797	32,007	65,721	54,088
Yugoslavia	6,426	6,426	6,426	6,426	671	3,078	631	845	812
Other Europe	86	86	86	86	400	517	136	400	54
Asia	1,066	1,066	1,031	1,031	1,300	2,819	627	1,323	616
Africa	122	122	122	122	1,200	1,117	228	1,200	234
Australia and New Zealand	359	359	359	359	221	1,082	217	200	188
All others	121	118	121	121	400	6	1	400	

[1] Changes in quotas between 1923 and 1924 were necessitated by changes in boundaries and other adjustments.

[2] Figures for previous years included with United Kingdom.

[3] Prior to 1925 figures include all Ireland; in 1925 to 1930, Northern Ireland only.

Source: Commissioner General of Immigration, Department of Labor.

No. 105.—QUOTA AND NONQUOTA IMMIGRANTS ADMITTED: BY COUNTRY OR REGION OF BIRTH, YEAR ENDED JUNE 30, 1930

NOTE.—See headnote Table 104

Country	Quota immigrants	Nonquota immigrants			Country	Quota immigrants	Nonquota immigrants		
		From nonquota countries	Returning residents	Other exempt classes			From nonquota countries	Returning residents	Other exempt classes
All countries	141,497	63,404	99,154	35,448	United Kingdom—Con.				
Europe, total	137,016	[1] 456	81,267	32,488	Scotland	21,917	54	6,163	289
Albania	110		352	256	Wales	2,018	5	471	47
Austria	1,417	1	780	354	Yugoslavia	782	2	1,267	1,117
Belgium	1,118		656	109	Other Europe	1,431	2	349	233
Bulgaria	95	2	71	104					
Czechoslovakia	2,898	1	1,860	1,701	America, total	1,717	62,929	10,325	476
Denmark	1,144	2	1,406	133	Canada and Newfoundland		43,888	2,603	30
Finland	559	1	1,124	99	Mexico		12,352	2,352	3
France	2,812	6	3,304	212	West Indies	1,479	2,865	4,078	368
Germany	27,119	5	15,758	678	Central and South America	232	3,824	1,280	74
Greece	362		1,405	1,604	Other America	6		12	1
Hungary	864		876	586					
Irish Free State	19,692	7	4,452	92	Asia, total	2,150	[1] 8	7,111	2,217
Italy	5,610	151	14,622	16,479	China	173	1	1,739	380
Lithuania	308	3	312	337	India	92	2	113	78
Netherlands	2,788		867	103	Japan	15	1	4,821	357
Norway	2,546	7	2,278	312	Palestine	189		65	189
Poland	6,456	14	2,692	3,920	Syria	133	2	148	310
Portugal [2]	433	12	2,178	133	Turkey in Asia	165	1	158	788
Rumania	670	2	784	1,056	Other Asia	1,383	1	67	115
Russia	2,231	11	576	881					
Spain	332	20	2,765	318	Africa	330	[1] 8	147	108
Sweden	3,204	5	3,314	155	Australia and New Zealand	269	[1] 3	280	144
Switzerland	1,605	2	1,186	136	Other countries	15		24	13
Turkey in Europe	65	1	52	192					
United Kingdom—									
England	18,480	120	8,301	767					
N. Ireland	7,860	11	956	85					

[1] Wives and children (born in quota countries) of natives of nonquota countries.
[2] Including Azores, Cape Verde, and Madeira Islands.

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

Class	1910–1914, average	1915–1919, average	1920–1924, average	1925–1929, average	1929	1930
Aliens and citizens:						
Arrivals	1,488,422	454,192	963,630	883,385	929,282	923,474
Departures	904,423	416,948	588,089	632,323	684,340	734,448
Excess of arrivals	583,999	37,244	375,541	256,062	244,942	189,026
Aliens, total:						
Arrivals	1,215,160	322,549	716,990	494,500	479,327	446,214
Departures	551,931	236,172	323,362	246,721	252,498	272,425
Excess of arrivals	663,229	86,377	393,628	247,779	226,829	173,789
Aliens, immigrant or emigrant:						
Arrivals	1,034,940	234,536	554,920	304,182	279,678	241,700
Departures	288,578	123,645	178,597	77,949	69,203	50,661
Excess of arrivals	746,362	110,891	376,323	226,233	210,475	191,039
Aliens, nonimmigrant or nonemigrant:						
Arrivals	180,220	88,013	162,070	190,318	199,649	204,514
Departures	263,352	112,527	144,765	168,772	183,205	221,761
Excess of arrivals (+) or departures (−)	−83,132	−24,514	+17,305	+21,546	+16,354	−17,250
Citizens:						
Arrivals	273,262	131,643	246,640	393,885	449,955	477,260
Departures	352,492	180,776	264,727	385,602	431,842	492,023
Excess of arrivals (+) or departures (−)	−79,230	−49,133	−18,087	+8,283	+18,113	+15,237
Citizens permanently deported:						
Naturalized		[1] 4,097	7,097	3,675	2,146	1,597
Native-born		[1] 44,174	49,117	20,579	21,297	19,142

[1] Average for 1918 and 1919.

Source of Tables 105 and 106: Commissioner General of Immigration, Department of Labor.

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 debarred aliens among the arrivals who, after being examined, are found inadmissible and returned to the countries whence they came

Port and class	1900–1909, average	1910–1914, average	1915–1919, average	1920–1924, average	1925–1929, average	1928	1929	1930
United States, total	1,060,019	1,498,422	454,192	963,650	888,385	931,566	929,282	923,474
United States citizens	166,236	273,252	131,643	246,640	393,885	430,955	449,955	477,260
Immigrants	820,239	1,034,940	234,536	554,920	304,182	430,955	279,678	241,700
Nonimmigrant aliens	73,544	180,220	88,013	162,070	190,318	193,376	199,649	204,514
New York	812,348	1,048,710	193,356	571,942	551,927	590,376	612,558	616,205
United States citizens	128,988	173,578	55,192	161,265	272,872	299,272	313,030	326,914
Immigrants	630,141	759,791	100,970	321,403	153,683	157,887	158,238	147,982
Nonimmigrant aliens	53,719	115,341	37,194	89,274	125,372	133,217	141,290	141,309
Boston	64,942	78,696	13,034	30,329	19,445	22,361	18,406	44,933
United States citizens	12,351	11,408	2,723	4,486	8,223	10,086	9,201	31,132
Immigrants	47,913	52,474	8,801	24,168	7,162	5,680	5,002	9,483
Nonimmigrant aliens	4,678	9,925	1,510	1,675	4,060	5,695	4,203	4,323
Philadelphia	24,183	54,823	2,385	10,627	815	580	571	1,716
United States citizens	3,510	3,506	462	1,355	413	262	262	1,383
Immigrants	20,203	48,547	1,667	8,597	150	96	76	72
Nonimmigrant aliens	470	2,770	256	675	252	222	233	261
Baltimore	44,707	31,233	914	511	198	186	244	335
United States citizens	1,277	1,126	76	132	110	69	137	205
Immigrants	42,994	29,395	780	317	50	52	50	73
Nonimmigrant aliens	436	762	58	62	38	45	57	57
New Orleans	[1] 8,422	11,674	11,199	11,052	13,050	13,742	13,373	13,057
United States citizens	[1] 3,925	7,837	6,808	6,474	9,248	9,829	9,042	9,026
Immigrants	[1] 3,288	1,791	1,931	1,407	847	1,045	817	765
Nonimmigrant aliens	[1] 1,209	2,046	2,460	3,171	2,957	2,868	2,914	2,666
San Francisco	10,729	14,053	19,587	24,738	16,245	17,000	17,766	17,974
United States citizens	3,609	5,389	5,460	6,976	6,791	6,943	7,530	7,812
Immigrants	5,115	4,776	8,442	7,659	2,297	2,312	2,590	3,344
Nonimmigrant aliens	2,005	3,887	5,665	10,103	7,157	7,745	7,646	6,818
Seattle	[1] 4,537	4,627	6,911	8,733	5,583	5,286	4,952	5,580
United States citizens	[1] 667	794	614	1,739	2,332	2,309	2,277	2,580
Immigrants	[1] 3,136	2,208	3,938	4,046	950	522	584	716
Nonimmigrant aliens	[1] 734	1,625	2,359	2,948	2,292	2,458	2,091	2,284

[1] Average, 1906 to 1909.

Source: Commissioner General of Immigration, Department of Labor.

No. 108.—DEPARTURES OF PASSENGERS FROM THE UNITED STATES FOR FOREIGN COUNTRIES: YEARS ENDED JUNE 30

	1900–1909, average	1910–1914, average	1915–1919, average	1920–1924, average	1925–1929, average	1927	1928	1929	1930
Total	487,425	904,423	416,948	588,088	632,323	623,296	703,931	684,340	734,448
Male	324,402	631,827	319,331	384,871	368,917	361,966	406,435	387,507	406,354
Female	163,023	272,595	97,617	203,217	263,406	261,330	297,446	296,833	328,094
Children [1]	52,455	99,348	39,053	75,863	56,903	59,723	55,237	61,539	67,960
Adults [1]	434,970	805,074	377,895	512,225	575,420	563,573	648,694	622,801	666,488
Cabin [2]	193,822	457,514	209,593	323,302	441,217	410,125	455,214	476,942	557,326
Steerage [3]	293,603	446,909	207,355	264,786	191,106	213,171	248,717	107,398	177,122

[1] Prior to 1910 the division point is 12 years, from 1910 to 1917, inclusive, 14 years, thereafter, 16.
[2] Figures include departures by rail, ferry, or afoot via the Canadian and Mexican borders.
[3] Prior to 1910 designated as "Other than cabin passengers."

Source: Prior to July 1, 1907, the Bureau of Statistics; subsequently, the Bureau of Immigration, Department of Labor.

No. 109.—NATIONAL ORIGIN OF THE WHITE POPULATION OF THE UNITED STATES: 1920

NOTE.—The table gives the national origin of the white population of the United States as determined as a basis for immigration quotas under the provisions of the Immigration Act of 1924. The percentage of the total white population derived from each country of origin is expressed in terms of the equivalent number of inhabitants. "Colonial Stock" is used to designate that portion of the white population which is descended from the population enumerated in the first census, taken in 1790; "post colonial stock," that which is descended from or consists of immigrants coming to the United States after 1790. Nonquota countries include Canada, Newfoundland, Mexico, Cuba, Haiti, the Dominican Republic, and the 16 independent Republics of Central and South America.

Country of origin	Number (in thousands)						Per cent distribution		
	Total	Colonial stock	Post-colonial stock				Total	Colonial stock	Post-colonial stock
			Total	Immigrants	Children of immigrants	Grandchildren and later generations			
Total	**94,821**	**41,289**	**53,532**	**13,713**	**19,190**	**20,629**	**100.0**	**100.0**	**100.0**
Quota countries	**89,507**	**40,324**	**49,182**	**12,071**	**17,621**	**19,490**	**94.4**	**97.7**	**91.9**
Austria	843	14	829	306	415	108	.9	(1)	1.5
Belgium	778	602	176	63	62	51	.8	1.5	.3
Czechoslovakia	1,715	55	1,660	560	904	197	1.8	.1	3.1
Denmark	705	93	612	190	277	144	.7	.2	1.1
Estonia	69		69	34	28	7	.1		.1
Finland	339	4	335	150	147	39	.4	(1)	.6
France	1,842	767	1,075	155	325	594	1.9	1.9	2.0
Germany	15,489	3,037	12,452	1,672	4,051	6,728	16.3	7.4	23.3
Great Britain and Northern Ireland	39,216	31,804	7,412	1,365	2,308	3,739	41.4	77.0	13.8
Greece	183		183	135	47	1	.2		.3
Hungary	519		519	319	184	16	.5		1.0
Irish Free State	10,653	1,822	8,832	821	2,098	5,913	11.2	4.4	16.5
Italy	3,462		3,462	1,612	1,671	178	3.7		6.5
Latvia	141		141	69	56	16	.1		.3
Lithuania	230		230	117	89	25	.2		.4
Netherlands	1,881	1,367	515	133	205	176	2.0	3.3	1.0
Norway	1,419	75	1,343	364	597	382	1.5	.2	2.5
Poland	3,893	9	3,884	1,814	1,780	290	4.1	(1)	7.3
Portugal	263	24	239	104	105	30	.3	.1	.4
Rumania	176		176	89	84	3	.2		.3
Russia (Europe and Asia)	1,661	4	1,657	767	762	127	1.8	(1)	3.1
Spain	150	38	112	50	25	37	.2	.1	.2
Sweden	1,977	217	1,760	626	775	360	2.1	.5	3.3
Switzerland	1,019	389	630	119	204	308	1.1	.9	1.2
Syria and Lebanon	73		73	42	31		.1		.1
Turkey	135		135	103	31	1	.1		.3
Yugoslavia	504		504	221	266	18	.5		.9
All other quota countries	171	4	167	72	94	2	.2	(1)	.3
Nonquota countries	**5,314**	**964**	**4,350**	**1,641**	**1,570**	**1,139**	**5.6**	**2.3**	**8.1**

[1] Less than one-tenth of 1 per cent.

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

	1870	1880	1890	1900	1910
Total population	[1] 38,558,371	[1] 50,155,783	[1] 62,947,714	[1] 75,994,575	[1] 91,972,266
Population 5–17 years, inclusive	[1] 12,055,443	[1] 15,065,767	[1] 18,543,201	[1] 21,538,024	[1] 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	9,867,505	12,722,581	15,503,110	17,813,852
Per cent of total population	17.82	19.67	20.32	20.40	19.37
Per cent of population 5–17, incl	57.00	65.50	68.61	[3] 71.98	[3] 73.49
Average daily attendance	4,077,347	6,114,143	8,153,635	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	99.1	113.0
Number of teachers	200,515	286,593	363,922	423,062	523,210
Male	77,529	122,795	125,525	126,588	110,481
Female	122,986	163,798	238,397	296,474	412,729
Per cent male teachers	38.7	42.8	34.5	29.9	21.1
Salaries: Teachers, supervisors, and principals (thousands of dollars)	37,795	55,886	91,708	137,495	253,757
Average annual salary per teacher	[4] $189	[4] $195	[4] $252	[4] $325	[4] $485
Total expenditure for education (thousands of dollars)	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	$5.16	$7.63	[3] $9.98	[3] $17.51
Per capita of enrollment	$9.23	$7.91	$11.04	$13.87	$23.93

	1920	1922	1924	1926	1928
Total population	[1] 105,710,620	[2] 109,872,675	[2] 113,202,319	[2] 116,531,963	[2] 119,861,607
Population 5–17 years, inclusive	[1] 27,728,788	[2] 28,627,201	[2] 29,345,911	[2] 30,064,621	[2] 30,887,167
Per cent of total population	26.2	[5] 26.1	[5] 25.9	[5] 25.8	[5] 25.8
Pupils enrolled in public schools	21,578,316	23,239,227	24,288,808	24,741,468	25,179,696
Per cent of total population	20.4	[5] 21.1	[5] 21.5	[5] 21.2	[5] 21.0
Per cent of population 5–17, incl	77.8	81.2	82.8	82.3	81.5
Average daily attendance	16,150,035	18,432,213	19,132,451	19,855,881	20,608,353
Per cent of pupils enrolled	74.8	79.3	78.8	80.3	81.8
Average number of days schools in session	161.9	164.0	163.3	160.3	171.5
Average number of days attended per enrolled pupil	121.2	130.6	132.5	135.9	140.4
Number of teachers	679,533	722,976	761,308	814,169	831,934
Male	95,666	118,085	128,731	138,810	138,193
Female	583,867	604,891	632,577	675,359	693,741
Per cent male teachers	14.1	16.3	16.9	17.0	16.6
Salaries: Teachers, supervisors, and principals (thousands of dollars)	590,120	860,953	949,877	1,061,583	1,164,583
Average annual salary per teacher	[6] $871	[6] $1,166	[6] $1,227	[6] $1,277	[6] $1,364
Total expenditure for education (thousands of dollars)	1,036,151	1,580,671	1,820,744	2,026,308	2,184,847
Per capita of total population	$9.80	[5] $14.39	[5] $16.08	[5] $17.39	[5] $18.23
Per capita of population 5–17, inclusive	$37.37	$55.22	$62.04	$67.40	$70.74
Per capita of enrollment	$48.02	$68.02	$74.96	$81.90	$86.77

[1] Census enumeration as of June 1, 1870 to 1900, Apr. 15, 1910, and Jan. 1, 1920.
[2] Census estimates for July 1. Figures for total population are revised estimates based on 1920 and 1930 census data. Revised figures for population 5–17 years of age not yet available.
[3] Figures do not agree with those in Tables 116 and 117, as the latter are based on estimated population 5 to 17 years of age.
[4] Computed from number of teaching positions.
[5] Computed from the above revised estimates of population.
[6] Computed from number of teaching positions plus supervisors and principals whose salaries are included.

Source: Office of Education, Department of the Interior.

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

Schools	1890	1900	1910	1920	1928
Elementary and kindergarten, total	14,181,415	16,224,784	18,457,228	20,864,488	23,503,418
Kindergartens (public and private)	[1] 31,227	225,394	[2,3] 185,471	510,949	740,946
Public elementary schools (including public kindergartens)	12,519,518	14,983,859	16,898,791	19,378,927	21,203,417
Private elementary schools (largely estimated)	1,661,897	1,240,925	1,558,437	1,485,561	2,234,999
Secondary students, total	357,813	695,903	1,111,393	2,494,676	4,321,361
Public high schools	202,963	519,251	915,061	[4] 2,199,389	[4] 3,911,279
Private high schools	94,931	110,797	117,400	[4] 213,920	[5] 341,168
Preparatory schools (in colleges and universities)	51,749	56,285	66,042	59,300	50,588
Secondary students in normal schools	8,170	9,570	12,890	22,058	18,336
College and normal students, total	156,756	237,550	355,215	597,457	1,143,141
Normal schools and teachers colleges (excluding secondary students)	34,814	69,551	88,561	135,012	274,348
Colleges, universities, and professional schools (excl. preparatory students)	121,942	167,999	266,654	462,445	868,793
Private commercial and business schools	76,920	91,549	155,244	335,161	[6] 188,388

[1] 1888.
[2] Public only.
[3] 1909.
[4] From State reports.
[5] See headnote, Table 120.
[6] 1925.

Source: Office of Education, Department of the Interior.

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

NOTE.—Data for public high schools are from reports received from the schools, 18,116 public high schools out of a total of approximately 24,000 having furnished complete reports in 1928. The total enrollment in all high schools as reported by the State departments of education are shown for 1920 and 1928 in Table 111

	1890	1900	1910	1920	1926	1928
ALL HIGH SCHOOLS AND ACADEMIES						
Schools reporting	4,158	7,983	19,994	16,419	20,060	20,564
Total secondary pupils [1]	297,894	630,048	1,032,461	2,041,308	3,313,085	3,623,722
Per cent of total population	0.47	0.83	1.12	1.93	[2] 2.84	[2] 3.02
Number of persons 14 to 17 years of age in total population [3]	5,354,653	6,152,405	7,220,208	7,735,841	8,572,000	8,782,417
Ratio of number of pupils to total number of age specified, per cent	5.56	10.24	14.30	26.38	38.65	41.26
PUBLIC HIGH SCHOOLS						
Schools reporting	2,526	6,005	10,213	14,326	17,710	18,116
Teachers, total	[4] 9,120	20,372	41,667	[5] 97,654	[5] 163,555	[5] 182,637
Men	*3,397*	*10,172*	*18,890*	*34,396*	*58,496*	*64,931*
Women	5,280	10,200	22,777	63,258	105,059	117,706
Secondary pupils, total [1]	202,963	519,251	915,061	1,857,155	3,065,009	3,354,473
Boys	85,451	216,207	398,525	822,967	1,445,886	1,598,605
Girls	116,351	303,044	516,536	1,034,188	1,619,123	1,755,868
Colored students (included above)	*5,993*	*8,395*	*12,636*	*27,631*	*76,713*	*96,107*
First year	[6]	[6]	392,505	742,320	1,108,158	1,212,894
Second year	[6]	[6]	247,936	498,796	823,191	906,179
Third year	[6]	[6]	163,176	346,684	611,986	670,089
Fourth year	[6]	[6]	111,444	261,369	504,355	546,528
Postgraduate	[6]	[6]	----------	7,986	17,319	18,783
Per cent of total population in public high schools	0.32	0.68	1.00	1.76	[2] 2.63	[2] 2.80
Number graduated during year, total	*21,892*	*61,737*	*111,363*	*230,902*	*434,589*	*474,798*
Boys	7,692	22,575	43,657	90,516	190,054	210,916
Girls	14,190	39,162	67,706	140,386	244,435	263,820

[1] Excludes seventh and eighth grades in junior high schools.
[2] Computed by the Bureau of Foreign and Domestic Commerce, based on revised estimates of population.
[3] Census enumerations, 1890, 1900, 1910, and 1920. Census estimates as of July 1 for 1926 and 1928.
[4] Includes teachers not classified by sex.
[5] Includes teachers in junior high schools as follows: 1920, men, 1,361, women, 5,069; 1926, men, 5,238, women, 18,444; 1928, men, 7,305, women, 24,634.
[6] No data.

No. 112.—Public High Schools and Private High Schools and Academies: Continental United States—Continued

	1890	1900	1910	1920	1926	1928
PRIVATE HIGH SCHOOLS AND ACADEMIES						
Schools reporting	1,632	1,978	1,781	2,093	2,350	2,448
Teachers, total	7,209	10,117	11,146	14,946	18,025	20,333
Men	3,272	4,275	4,512	5,698	6,929	7,866
Women	3,937	5,842	6,634	9,248	11,467	12,467
Secondary pupils, total	94,931	110,797	117,400	184,153	248,078	269,249
Boys	47,534	55,734	55,474	84,222	114,617	123,596
Girls	47,397	55,063	61,926	99,931	133,459	140,653
Colored (included above)	----------	*2,390*	*3,888*	*9,526*	*10,261*	*8,302*
Total in schools for boys only	----------	----------	26,838	47,025	63,050	74,954
Total in schools for girls only	----------	----------	28,317	55,658	76,323	78,775
Total in coeducational schools	----------	----------	62,245	80,570	108,703	115,520

No. 113.—Normal Schools and Teachers' Colleges (State, County, City, and Private): Continental United States

	1900	1910	1920	1924	1928	1930
ALL NORMAL SCHOOLS AND TEACHERS' COLLEGES						
Number reporting	305	264	370	382	339	331
Instructors, total	4,367	5,914	[1] 9,468	12,517	14,482	14,403
Men	1,856	2,195	[1] 3,512	4,949	5,831	5,905
Women	2,511	3,719	[1] 5,956	7,568	8,651	8,498
Students in all courses, total	[2] 116,549	[2] 132,438	182,373	273,107	297,430	279,195
Men	47,851	37,823	29,107	53,351	61,573	60,935
Women	68,698	94,615	133,266	219,756	235,857	218,260
Students in normal courses, total	69,551	88,561	135,012	245,649	274,348	264,257
Men	24,157	19,746	19,068	42,532	52,054	54,123
Women	45,394	68,815	115,944	203,117	222,294	210,134
Graduates from normal courses during year	11,359	15,430	20,920	40,484	49,627	49,227
Enrollment in model schools	35,397	66,180	91,941	85,585	71,685	90,601
Volumes in libraries	807,963	1,521,528	2,380,373	2,926,023	3,536,032	4,065,076
Receipts, all sources (1,000 dollars)	5,232	14,638	31,275	48,949	70,017	69,984
STATE NORMAL SCHOOLS AND TEACHERS' COLLEGES [3]						
Number	127	151	182	196	206	206
Instructors	2,199	3,840	[1] 7,162	10,153	12,169	12,572
Students in all courses	[2] 60,309	[2] 94,143	140,382	239,226	267,184	256,270
Students in normal courses	41,655	71,447	118,601	219,906	240,533	243,964
TEACHERS' COLLEGES (INCLUDED ABOVE)						
Number	----------	----------	45	88	137	140
Instructors	----------	----------	[1] 2,504	6,022	9,658	10,262
Students in all courses	----------	----------	61,906	151,562	219,119	215,187
Students in normal courses	----------	----------	54,721	140,029	206,799	205,750
CITY AND COUNTY NORMAL SCHOOLS						
Number	30	40	128	119	74	73
Instructors	350	845	1,098	843	850	893
Students in all courses	[2] 7,565	[2] 16,940	12,527	15,689	15,579	12,385
Students in normal courses	4,592	7,773	12,527	15,689	15,579	12,385
PRIVATE NORMAL SCHOOLS						
Number	148	73	60	67	59	52
Instructors	1,618	1,229	1,208	1,521	1,443	998
Students in all courses	48,675	21,355	9,464	18,192	14,667	10,540
Students in normal courses	23,304	9,341	3,884	10,054	9,236	7,998

[1] Private teachers' colleges for Utah revised to exclude 44 men and 21 women teachers in secondary schools, previously included.
[2] A number of pupils in model schools are included in these data. [3] Includes all teachers' colleges.

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

No. 114.—UNIVERSITIES, COLLEGES, AND PROFESSIONAL SCHOOLS: CONTINENTAL UNITED STATES

	1890	1900	1910	1920	1924	1926	1928
PROFESSORS AND INSTRUCTORS							
Total, excluding duplicates	13,595	22,134	33,631	42,382	56,279	62,224	67,209
Men	10,076	18,343	28,477	34,111	44,345	48,649	52,263
Women	2,889	3,791	5,154	8,771	11,934	13,575	14,946
Preparatory departments	2,803	4,078	4,548	4,282	4,372	3,917	3,267
Men		2,572	2,807	2,714	2,615	2,189	1,834
Women		1,506	1,741	1,568	1,757	1,728	1,433
Collegiate departments	6,198	11,219	17,281	28,113	38,025	43,326	50,122
Men		9,014	14,051	21,644	28,872	32,605	36,783
Women		2,205	3,230	6,469	9,153	10,721	13,339
Professional departments	3,995	8,277	13,285	10,915	13,803	14,733	14,915
Men			12,886	10,603	13,381	14,152	14,373
Women			399	312	422	581	542
Other departments				2,221	2,328	1,435	110
Men				982	1,073	550	27
Women				1,239	1,255	885	89
STUDENTS							
Total, excluding duplicates	173,691	224,384	332,698	521,754	726,124	822,895	919,381
Men	119,860	162,899	227,995	334,226	457,701	509,732	563,244
Women	53,831	61,385	104,701	187,528	268,423	313,163	356,137
Preparatory departments	51,749	56,285	66,042	50,309	61,358	55,632	50,588
Men	29,530	34,814	42,016	38,398	38,825	33,185	30,206
Women	22,219	21,471	23,426	20,911	23,033	22,447	20,382
Collegiate departments	65,274	104,008	174,213	341,082	486,209	595,458	695,219
Men	44,650	68,947	113,074	212,405	289,817	347,665	402,212
Women	20,624	36,061	61,139	128,677	196,482	247,793	292,977
Graduate departments	2,382	5,831	9,370	15,612	28,799	32,500	44,165
Men	1,973	4,112	6,504	9,837	18,444	20,159	26,540
Women	409	1,719	2,866	5,775	10,355	12,341	17,625
Professional departments [1]	33,011	58,070	71,257	57,131	91,516	98,413	99,424
Men	32,034	55,926	65,569	53,295	85,865	92,591	93,639
Women	977	2,144	5,688	3,836	5,651	5,822	5,785
Other departments				65,859	73,003	53,566	39,153
Men				27,533	33,144	23,211	16,399
Women				38,326	39,859	30,355	22,754
Students in engineering courses (included above)	1,195	11,415	30,337	51,908	57,699	59,315	66,637
DEGREES CONFERRED							
Baccalaureate	6,853	14,018	22,687	38,552	61,285	71,529	83,065
Men		9,547	15,267	22,272	36,258	41,106	45,912
Women		4,471	7,420	15,280	25,027	30,423	37,153
Professional [2]	8,686	13,392	14,512	8,774	18,207	20,096	19,917
Men				8,272	17,357	19,047	18,966
Women				502	940	1,049	951
Graduate	1,135	1,952	2,541	4,853	9,261	11,451	13,834
Men		1,628	1,939	3,457	6,447	7,700	8,976
Women		324	602	1,396	2,814	3,751	4,858
Ph. D., on examination	126	342	409	582	1,064	1,302	1,447
Men		322	365	439	914	1,115	1,249
Women		20	44	93	150	187	198

[1] Includes students in theology, law, medicine, dentistry, pharmacy, osteopathy, and veterinary medicine.

[2] First degrees in theology, law, medicine, dentistry, pharmacy, osteopathy, and veterinary medicine.

Source: Office of Education, Department of the Interior.

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

Division and State or outlying area	Number of teachers [1]				Per cent of teachers male		Salaries of teachers, supervisors, and principals			
							Total, 1928 (1,000 dollars)	Average annual salary (dollars)		
	1900	1910	1920	1928	1900	1928		1900	1920	1928
Continental U. S.	423,062	523,210	[2] 679,533	831,934	29.9	16.6	1,164,583	325	[2] 871	1,364
New England	32,549	36,723	43,480	51,016	11.0	11.5	84,759	424	1,064	1,534
Maine	6,445	7,457	7,020	6,583	[3] 16.4	13.0	5,710	191	603	927
New Hampshire	2,740	3,040	3,047	3,001	8.9	12.0	3,613	254	759	1,185
Vermont	3,742	3,257	2,902	2,946	13.6	8.8	2,746	176	667	988
Massachusetts	13,575	15,321	[2] 19,085	25,251	8.8	12.9	48,773	602	[3] 1,262	1,823
Rhode Island	1,887	2,371	2,971	3,815	9.5	10.9	5,894	536	1,070	1,382
Connecticut	4,160	5,277	[4] 8,455	9,420	[3] 9.0	8.6	18,024	486	1,124	1,715
Middle Atlantic	71,250	92,657	123,254	150,285	21.7	14.7	308,542	481	1,133	1,978
New York	34,848	45,074	61,703	70,849	14.9	12.6	165,567	552	1,256	2,337
New Jersey	7,012	12,087	17,440	23,877	12.9	11.3	49,942	546	1,282	2,092
Pennsylvania	29,390	35,496	44,111	55,559	32.0	18.8	91,033	381	920	1,538
East North Central	96,934	107,208	128,955	160,930	31.3	18.6	250,556	350	1,010	1,516
Ohio	26,017	27,841	33,751	41,071	40.4	19.7	65,338	349	1,088	1,529
Indiana	15,617	17,267	17,209	21,603	46.2	28.2	34,101	322	964	1,430
Illinois	26,313	29,384	36,599	44,585	26.4	16.2	74,714	440	1,081	1,634
Michigan	15,924	17,987	24,302	33,119	20.3	16.8	49,457	283	911	1,543
Wisconsin	13,063	14,729	17,094	19,952	18.4	14.4	26,946	288	915	1,290
West North Central	85,437	99,138	117,051	120,059	24.9	13.5	138,171	394	797	1,129
Minnesota	10,586	15,157	19,575	21,484	19.4	9.4	27,411	363	882	1,259
Iowa	28,780	24,598	27,660	23,730	17.2	7.9	26,985	195	827	1,070
Missouri	16,201	18,365	21,126	24,871	37.6	20.9	28,938	289	797	1,164
North Dakota	4,033	7,387	8,975	8,550	28.8	15.9	8,105	200	728	837
South Dakota	4,802	6,065	7,853	8,007	24.4	9.5	7,779	196	696	1,105
Nebraska	9,463	11,099	14,873	14,216	21.8	10.6	15,995	279	765	1,092
Kansas	11,513	13,467	16,989	19,141	32.7	18.1	22,958	276	761	1,166
South Atlantic	48,994	62,187	84,688	110,599	40.7	15.8	103,811	203	560	925
Delaware	831	993	1,134	1,308	25.3	11.5	2,076	336	848	1,451
Maryland	5,116	5,514	6,675	8,652	21.7	13.9	11,903	418	902	1,418
Dist. of Columbia	1,226	1,631	2,096	2,599	13.1	11.8	6,077	684	1,359	2,106
Virginia	8,954	10,443	14,271	16,341	31.5	9.7	13,356	173	546	822
West Virginia	7,067	8,782	11,221	14,845	57.9	29.0	17,089	174	639	1,122
North Carolina	7,387	11,216	16,852	23,673	49.4	15.5	20,120	110	464	837
South Carolina	5,564	6,908	9,699	13,065	[3] 43.5	15.0	10,055	134	464	769
Georgia	10,120	12,625	15,921	18,805	44.0	15.4	12,253	179	426	647
Florida	2,729	4,015	6,819	11,221	36.9	12.0	10,382	203	518	906
East South Central	34,693	40,308	51,145	67,397	44.5	21.3	51,008	173	423	737
Kentucky	10,427	11,100	13,348	16,007	45.5	25.2	13,647	238	[5] 413	851
Tennessee	9,195	10,286	13,277	18,042	[3] 54.0	22.6	14,567	153	494	835
Alabama	6,578	8,756	12,558	16,795	30.1	16.8	12,370	140	484	747
Mississippi	8,493	10,166	11,962	16,553	44.2	20.7	10,424	142	[5] 291	545
West South Central	28,478	46,023	63,332	83,276	50.9	21.3	72,223	229	643	804
Arkansas	6,959	9,522	10,476	12,767	59.7	28.8	8,675	174	477	680
Louisiana	4,157	6,286	8,906	11,473	47.9	12.6	11,521	227	723	980
Oklahoma	2,343	9,473	15,389	19,130	42.8	23.1	18,421	165	768	963
Texas	15,019	20,742	29,001	39,906	48.9	20.4	33,606	266	612	842
Mountain	9,596	15,974	30,130	34,820	27.0	18.5	45,395	400	956	1,288
Montana	1,214	2,250	7,215	6,377	16.6	12.8	6,881	470	958	1,137
Idaho	1,060	2,232	3,982	4,569	31.2	21.3	5,300	257	932	1,160
Wyoming	570	1,109	2,232	3,124	15.6	18.4	3,646	316	869	1,151
Colorado	3,597	5,200	7,386	9,812	20.9	18.8	14,225	455	929	1,450
New Mexico	966	1,474	2,752	3,187	[3] 55.2	20.8	3,334	236	803	1,037
Arizona	399	851	1,955	2,898	27.3	17.4	4,846	474	1,279	1,587
Utah	1,466	2,369	3,904	4,032	36.5	23.0	5,847	415	992	1,209
Nevada	324	489	704	821	11.1	15.3	1,316	488	1,163	1,504
Pacific	15,131	22,992	36,998	53,552	28.2	15.3	112,120	506	1,182	1,933
Washington	3,784	7,170	9,877	10,426	28.9	14.0	17,553	362	1,229	1,538
Oregon	3,742	4,453	7,778	7,940	28.4	16.4	11,037	240	870	1,348
California	7,605	11,369	19,343	35,186	17.8	15.5	83,530	709	1,272	2,175
Alaska Territory	------	------	164	217	------	11.5	347	------	1,325	1,551
American Samoa	------	------	------	45	------	86.7	13	------	------	293
Canal Zone	------	------	102	138	------	42.8	229	------	1,324	1,588
Guam	------	------	------	124	------	44.4	46	------	------	303
Hawaii Territory	------	------	21,326	2,226	------	16.4	3,432	------	1,181	1,552
Philippine Islands	------	------	1,254	25,990	------	56.7	10,017	------	------	386
Porto Rico	------	------	3,832	4,478	------	26.7	3,898	------	635	857
Virgin Islands	------	------	------	92	------	26.1	72	------	------	760

[1] Includes some superintendants, principals, and supervisors, some States not reporting them separately.
[2] Includes 231 part-time teachers. [3] Estimated. [4] Estimated for 7,525 teaching positions. [5] 1919.

Source: Office of Education, Department of Interior.

No. 116.—ELEMENTARY AND SECONDARY SCHOOLS,

Division and State or outlying area	Population, 5–17 years, inclusive, 1920	Public elementary and secondary schools						
		Pupils enrolled				Ratio of enrolled to total population 5–17 years, inclusive, per cent [1]		
		1900	1910	1920	1928	1900	1910	1920
Continental U. S.	27,725,788	15,503,110	17,813,852	21,578,316	25,179,696	72.4	73.1	77.8
New England	1,708,036	959,920	1,061,148	1,242,221	1,459,125	76.1	74.7	72.7
Maine	180,434	130,918	144,278	137,681	151,014	81.4	84.5	76.3
New Hampshire	99,775	65,688	65,972	64,205	72,892	74.0	66.6	64.3
Vermont	84,188	65,964	66,015	61,785	64,520	82.2	80.3	73.4
Massachusetts	875,109	474,891	535,869	623,586	743,980	70.2	70.6	71.3
Rhode Island	143,011	67,231	80,061	93,501	113,391	66.8	63.1	65.4
Connecticut	325,519	155,228	190,353	261,463	312,419	74.5	73.8	80.3
Middle Atlantic	5,381,159	2,664,029	3,135,731	3,925,080	4,702,183	69.2	68.4	72.9
New York	2,361,888	1,209,574	1,422,969	1,719,841	2,058,716	69.6	67.8	72.8
New Jersey	767,979	322,575	429,797	594,780	760,044	68.5	70.0	77.4
Pennsylvania	2,251,289	1,151,880	1,282,965	1,610,459	1,883,423	68.9	66.7	71.5
East North Central	5,103,643	3,303,005	3,378,038	3,871,428	4,710,048	75.3	73.1	75.0
Ohio	1,331,685	829,160	838,080	1,020,063	1,294,657	75.4	73.8	76.6
Indiana	712,772	504,807	531,459	566,288	654,600	81.1	78.4	79.4
Illinois	1,564,806	958,911	1,002,687	1,127,560	1,378,751	72.7	71.7	72.1
Michigan	871,856	504,985	541,501	691,674	841,022	77.1	78.0	79.3
Wisconsin	682,524	445,142	464,311	465,243	541,018	72.5	72.4	68.2
West North Central	3,256,384	2,539,564	2,603,951	2,724,540	2,871,964	83.4	76.3	83.7
Minnesota	615,733	399,207	440,083	503,597	552,794	77.6	77.9	81.8
Iowa	597,914	506,223	510,661	514,521	551,400	89.1	86.9	86.1
Missouri	859,277	719,817	707,031	672,483	679,507	78.6	81.8	78.3
North Dakota	193,799	77,686	139,802	168,283	172,539	81.3	85.4	84.6
South Dakota	177,188	98,822	126,253	146,955	164,427	79.5	77.7	82.9
Nebraska	344,436	288,227	[3] 281,375	311,821	325,783	89.5	80.5	90.5
Kansas	463,037	389,582	398,746	406,880	425,424	89.2	88.7	87.9
South Atlantic	4,229,363	2,182,615	2,573,386	3,282,217	3,735,314	65.7	69.1	77.6
Delaware	52,535	36,895	35,950	38,483	40,869	75.3	71.5	73.3
Maryland	361,297	222,373	238,393	241,618	270,000	67.0	69.9	66.9
Dist. of Columbia	77,505	46,519	55,774	65,208	77,368	76.8	83.3	84.3
Virginia	689,398	370,595	402,109	505,190	553,717	63.2	64.3	73.3
West Virginia	433,832	232,343	276,458	346,256	401,114	78.6	77.9	79.8
North Carolina	838,845	400,452	520,404	691,249	848,778	63.6	73.5	82.4
South Carolina	569,916	281,891	340,415	478,045	470,275	60.7	67.3	83.9
Georgia	933,368	482,673	555,794	[3] 690,918	704,936	65.3	66.8	[5] 74.0
Florida	272,667	108,874	148,089	225,160	361,357	66.6	68.1	82.6
East South Central	2,770,682	1,748,578	1,910,364	2,137,794	2,499,426	71.4	70.8	77.2
Kentucky	702,391	500,294	494,863	[10] 535,332	582,131	75.3	73.6	[10] 76.2
Tennessee	707,933	495,354	521,753	619,852	676,421	75.1	79.5	87.6
Alabama	769,256	376,423	424,611	569,940	635,290	61.7	62.7	74.1
Mississippi	591,102	386,507	469,137	[10] 412,670	605,533	73.3	80.4	[12] 69.8
West South Central	3,168,764	1,270,031	1,903,625	2,462,181	2,809,544	62.3	66.0	77.7
Arkansas	563,659	314,662	395,978	483,172	479,108	71.0	80.0	85.7
Louisiana	557,553	196,169	263,617	354,079	415,481	43.6	50.8	63.5
Oklahoma	636,340	99,602	422,399	589,282	682,259	79.8	82.9	92.6
Texas	1,411,202	659,598	821,631	1,035,648	1,232,696	64.7	67.2	73.4
Mountain	882,758	341,123	525,118	794,536	860,231	76.4	78.1	90.0
Montana	137,344	39,430	66,141	126,576	117,972	72.8	80.7	92.2
Idaho	121,560	36,669	76,168	115,192	120,840	79.2	87.9	94.8
Wyoming	47,068	14,512	24,584	43,112	53,148	65.7	79.7	91.6
Colorado	231,833	117,555	168,708	220,232	238,922	88.2	89.6	95.0
New Mexico	107,990	36,735	56,304	81,399	86,239	61.4	59.2	75.4
Arizona	86,941	16,504	31,312	76,505	89,040	51.9	62.0	88.0
Utah	134,601	73,042	91,611	117,406	136,585	81.0	84.3	87.2
Nevada	15,419	6,676	[3] 10,200	14,114	17,479	74.1	73.9	91.5
Pacific	1,168,014	474,245	702,491	1,138,319	1,531,263	81.9	72.7	97.5
Washington	309,294	115,104	215,698	291,053	339,001	87.9	85.3	94.1
Oregon	179,601	89,405	118,412	151,028	187,189	82.1	79.2	84.1
California	679,119	269,736	368,391	696,238	1,005,072	79.6	78.6	[14]
Alaska Territory	12,530			3,300	4,829			26.8
Canal Zone	4,080			3,486	5,615			85.4
Guam					3,517			
Hawaii Territory				41,350	64,787			
Philippine Islands				935,078	1,111,403			
Porto Rico				180,468	220,940			
Virgin Islands					2,919			
American Samoa					1,800			

[1] Percentages are not shown for 1928, as they do not accurately portray the situation in many cases, owing largely to the difficulty of accurately estimating the population 5–17 by States.
[2] Includes kindergarten. [3] Includes secondary pupils in local normal and vocational schools.
[4] 1898–99. [5] Approximate. [6] 1908–9. [7] Elementary only. [8] Estimated. [9] 1891–92.

PUBLIC AND PRIVATE: ENROLLMENT AND ATTENDANCE

Public elementary and secondary schools—Continued							Private and parochial schools			Division and State or outlying area
Number enrolled, 1928		Average daily attendance	Average days attendance per year per pupil enrolled				Number enrolled			
Elementary [2]	Secondary [3]	1928	1900	1910	1920	1928	1910	1920	1928	
21,268,417	3,911,279	20,608,383	99.1	113.0	121.2	140.4	1,558,437	2,034,642	2,576,157	C. U. S.
1,196,524	282,601	1,270,751	132.3	143.6	145.9	158.1	190,928	290,407	351,458	N. E.
123,540	28,374	134,928	105.2	118.5	142.4	157.6	14,137	18,616	26,351	Me.
59,865	13,027	63,781	[4,5] 99.1	128.6	144.3	155.2	14,331	24,342	26,568	N. H.
53,511	11,018	56,094	111.3	125.1	131.6	148.3	[6] 6,000	8,009	8,544	Vt.
596,220	147,700	655,827	145.7	154.2	149.6	161.6	96,464	144,624	201,336	Mass.
97,178	16,213	97,729	[4] 135.4	148.8	142.9	156.9	17,781	26,500	32,648	R. I.
266,210	46,209	262,392	135.8	143.5	144.1	152.9	42,215	68,226	56,011	Conn.
3,976,446	725,737	3,999,736	126.8	140.5	145.2	156.2	507,072	502,215	809,322	M. A.
1,701,088	357,628	1,768,364	131.8	149.0	148.8	158.0	267,072	275,986	381,325	N. Y.
653,708	106,336	632,021	[4] 119.2	138.9	151.3	156.3	65,000	54,697	127,395	N. J.
1,621,650	261,773	1,599,351	123.6	133.0	139.0	154.2	175,000	171,532	300,602	Pa.
3,841,169	869,479	4,121,619	118.8	130.0	134.9	158.7	405,417	600,361	748,428	E. N. C.
1,052,665	241,902	1,085,262	122.6	131.6	130.7	149.3	97,832	124,223	171,063	Ohio.
523,103	131,497	604,392	115.6	116.8	125.8	160.7	[6] 20,751	35,857	67,890	Ind.
1,109,823	268,928	1,175,978	123.4	133.7	144.9	159.3	[7] 167,929	267,777	270,819	Ill.
710,327	130,695	770,362	[4,5] 113.6	140.0	129.6	171.0	[7] 61,539	91,177	134,324	Mich.
445,251	96,367	485,625	[4] 111.4	124.4	138.9	157.9	57,366	81,327	104,323	Wis.
2,341,471	530,493	2,395,971	95.4	114.2	127.4	145.0	132,608	230,015	260,716	W. N. C.
463,288	89,506	453,303	91.8	118.0	125.5	145.8	21,000	54,974	60,038	Minn.
441,924	109,476	461,861	[4] 103.0	121.4	137.2	144.9	50,000	38,780	47,371	Iowa.
554,864	124,733	583,308	92.3	107.7	128.6	150.8	40,000	65,582	70,029	Mo.
145,719	26,320	137,405	87.3	94.9	127.4	133.8	1,000	8,902	8,528	N. Dak.
130,501	27,926	135,754	113.4	106.0	112.4	143.7	1,840	5,805	10,558	S. Dak.
260,702	65,081	267,311	102.7	118.9	122.3	145.4	[6] 9,000	28,073	24,847	Nebr.
338,473	86,951	357,029	84.8	119.5	124.8	139.6	[7] 9,768	27,899	39,350	Kans.
3,308,907	426,407	2,894,293	69.3	86.8	98.3	121.3	105,962	144,632	104,782	S. A.
34,518	6,351	35,003	[5,8] 109.8	108.3	129.2	158.4	3,750	7,081	7,189	Del.
234,640	36,200	225,669	[4] 108.3	113.7	130.3	155.8	20,000	30,188	43,164	Md.
62,338	14,530	63,908	135.9	145.0	143.8	149.1	6,000	23,707	10,678	D. C.
497,500	56,217	437,861	[4] 67.5	90.4	102.2	125.7	23,662	15,412	8,539	Va.
357,178	43,936	332,169	69.0	92.2	102.8	137.1	1,500	6,542	8,336	W. Va.
746,375	102,403	640,651	36.6	64.9	91.8	111.6	[6] 26,200	26,640	9,091	N. C.
422,638	53,037	348,394	63.2	75.4	76.0	106.8	10,650	10,142	3,449	S. C.
632,787	72,149	535,196	69.3	92.5	98.0	112.4	6,000	16,730	7,730	Ga.
320,433	40,924	275,442	69.7	80.9	98.0	117.5	8,200	8,190	6,606	Fla.
2,273,726	225,699	1,797,622	65.3	80.1	84.3	110.7	82,052	78,041	71,024	E. S. C.
526,923	55,258	427,786	[5,11] 71.0	79.6	78.7	120.8	21,295	20,819	37,542	Ky.
610,944	65,477	476,692	67.0	90.6	98.5	115.6	37,124	27,300	6,609	Tenn.
580,572	54,718	465,355	[4] 61.9	73.6	79.4	108.3	16,133	20,484	17,826	Ala.
555,287	50,246	427,789	58.8	74.6	76.9	98.1	[6] 7,500	9,438	9,047	Miss.
2,412,787	396,777	2,157,438	68.4	82.2	103.4	115.9	53,777	76,233	98,445	W. S. C.
440,469	38,639	348,981	48.1	68.6	85.2	106.0	5,777	4,434	6,855	Ark.
367,796	47,085	324,400	89.5	93.9	107.7	119.7	34,000	31,374	42,776	La.
588,038	94,221	457,983	61.0	78.8	100.5	100.0	4,000	13,635	6,746	Okla.
1,016,464	216,232	1,026,074	73.6	86.8	112.0	127.3	[6] 10,000	26,790	42,068	Tex.
705,994	154,237	685,457	86.1	100.6	120.3	138.6	34,377	37,491	43,459	Mt.
95,740	22,232	101,268	85.5	115.5	120.7	152.1	6,998	6,476	9,692	Mont.
97,073	23,773	95,740	63.5	91.3	126.9	141.0	1,500	4,201	2,952	Idaho.
42,504	10,044	38,914	[5] 77.0	101.5	117.4	125.7	[6] 116	1,356	796	Wyo.
194,624	44,238	187,109	93.4	99.3	114.4	139.4	4,000	8,795	12,719	Colo.
77,233	9,006	59,962	[5] 59.0	66.4	120.5	125.2	5,000	4,777	8,296	N. Mex.
76,984	12,056	68,572	77.1	87.3	98.6	129.8	9,913	3,544	4,196	Ariz.
108,532	23,053	110,017	101.4	124.6	138.5	142.4	6,500	7,794	4,808	Utah.
13,304	4,175	14,875	108.4	106.0	125.8	142.3	350	548	----------	Nev.
1,211,413	319,849	1,235,466	109.0	132.9	124.5	151.1	46,244	75,247	88,523	Pac.
260,764	78,237	273,542	97.0	124.7	128.1	145.2	7,200	13,284	20,703	Wash.
144,851	42,338	164,088	[13] 84.0	121.8	137.5	152.8	6,233	9,249	10,599	Oreg.
805,798	199,274	847,836	121.6	142.0	120.2	152.8	32,802	49,714	57,221	Calif.
4,115	714	3,973	----------	----------	132.3	144.8	----------	----------	----------	Alaska.
5,071	544	4,855	----------	----------	114.2	168.6	----------	----------	----------	C. Z.
3,442	75	3,338	----------	----------	----------	195.6	----------	----------	127	Guam.
60,025	4,762	60,084	----------	----------	168.3	153.0	----------	8,261	9,497	Hawaii.
1,047,168	64,235	994,387	----------	----------	156.0	178.0	----------	40,379	77,546	P. I.
214,150	6,790	192,050	----------	----------	145.7	160.0	----------	6,567	7,365	P. R.
2,908	11	2,807	----------	----------	----------	194.2	----------	----------	1,131	V. I.
1,800	----------	1,600	----------	----------	----------	165.0	----------	----------	400	A. S.

[10] 1919. [11] 1896–97. [12] Enrollment figures from the Bureau of the Census. [13] 1897–98.
[14] The enrollment in schools was 2.5 per cent larger than the number of persons 5–17 years of age in 1920.
Source: Office of Education, Department of the Interior.

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

NOTE.—Figures include new buildings as well as operation and equipment expenditures. Expenditures per capita of total population for outlying territories and possessions for 1928 were as follows: Alaska, $12.01; Canal Zone, $11.79; Guam, $4.87; Hawaii, $13.68; Philippine Islands, $1.01; Porto Rico, $3.30; Virgin Islands, $4.37; American Samoa, $2.77

Division and State	Total expenditures (thousands of dollars)				Per capita of total population (dollars)				Per capita of population 5-17, inclusive (dollars)			
	1900	1910	1920	1928	1900	1910	1920	1928 [1]	1900	1910	1920	1928
Continental U. S.	214,964	426,250	1,036,161	2,184,847	2.84	4.64	9.80	18.28	10.04	17.04	37.37	70.74
New England	22,403	34,270	75,796	152,143	4.01	5.23	10.24	18.93	17.75	23.60	44.33	79.79
Maine	1,713	2,934	6,404	10,844	2.47	3.95	8.34	13.69	10.65	17.04	35.49	57.18
New Hampshire	1,052	1,654	3,811	6,737	2.56	3.84	8.60	14.58	11.85	17.79	38.19	65.10
Vermont	1,074	1,609	3,588	5,080	3.13	4.52	10.18	14.19	13.38	20.55	42.62	59.53
Massachusetts	13,826	20,136	40,909	83,711	4.03	5.98	10.62	20.62	22.19	27.68	46.75	85.13
Rhode Island	1,549	2,487	4,766	12,689	3.61	4.59	7.89	18.85	16.39	20.63	33.33	80.17
Connecticut	3,189	5,450	16,318	33,082	3.51	4.91	11.82	21.10	16.31	21.35	50.12	85.56
Middle Atlantic	61,507	108,915	220,440	583,671	3.98	5.64	9.90	22.82	15.85	23.76	40.97	96.11
New York	33,421	51,862	106,045	301,212	4.60	5.69	10.21	24.67	19.22	25.09	44.90	115.18
New Jersey	6,009	17,005	40,910	105,018	3.51	6.72	12.96	27.00	14.04	27.33	53.27	115.74
Pennsylvania	21,477	39,988	73,491	177,441	3.41	5.22	8.43	18.73	12.85	21.14	32.64	69.58
East North Central	52,066	99,833	247,489	516,171	3.26	5.47	11.52	20.94	11.88	21.59	47.93	90.14
Ohio	13,335	25,500	67,427	140,139	3.21	5.35	11.71	21.58	12.13	23.71	50.63	92.74
Indiana	8,183	14,911	35,765	71,109	3.25	5.52	12.20	22.32	11.75	21.71	50.18	95.30
Illinois	17,757	34,036	69,358	147,269	3.08	6.04	10.69	19.81	13.46	24.15	44.32	85.63
Michigan	7,208	14,597	47,684	109,314	3.01	5.20	13.00	23.55	11.15	19.24	54.69	106.13
Wisconsin	5,493	10,789	27,255	48,340	2.65	4.64	10.36	16.74	8.95	15.57	39.93	67.22
West North Central	34,100	65,200	173,088	252,486	3.30	5.60	13.80	19.17	11.20	19.10	53.15	74.42
Minnesota	5,630	13,724	35,734	49,596	3.21	6.60	14.07	19.57	10.94	22.49	58.04	74.84
Iowa	8,497	12,767	37,334	49,812	3.81	5.76	15.53	20.25	13.36	20.14	62.44	81.70
Missouri	7,816	13,067	28,707	52,796	2.52	3.97	8.43	14.70	8.54	14.45	33.41	61.46
North Dakota	1,526	4,550	12,883	15,549	4.78	7.89	19.92	23.04	15.96	27.19	64.81	67.40
South Dakota	1,606	3,825	11,593	14,928	4.00	6.56	18.21	21.86	12.92	22.59	65.43	78.25
Nebraska	4,403	7,454	20,880	26,808	4.13	6.27	15.88	19.72	13.67	20.77	59.75	74.15
Kansas	4,622	9,813	26,257	42,908	3.14	5.81	14.84	23.04	10.58	19.54	56.71	89.96
South Atlantic	12,922	26,763	73,475	187,826	1.24	2.19	5.25	12.13	3.89	7.18	17.37	40.02
Delaware	454	605	1,677	3,279	2.40	3.00	7.52	13.89	9.27	11.28	31.91	59.99
Maryland	2,803	3,792	8,242	21,672	2.30	2.92	5.99	13.55	8.45	10.49	22.81	57.02
Dist. of Col	1,077	2,680	4,297	11,594	3.36	3.10	9.82	24.26	17.78	37.30	35.45	132.22
Virginia	1,989	4,408	12,975	22,479	1.07	2.15	5.62	9.35	3.39	6.77	18.82	30.18
West Virginia	2,009	4,094	11,402	25,775	2.10	3.36	7.79	15.31	6.80	11.57	26.28	51.11
North Carolina	950	3,038	12,148	38,990	.50	1.38	4.75	12.72	1.51	4.40	14.48	40.93
South Carolina	894	1,952	6,627	15,813	.67	1.29	3.94	9.15	1.93	3.72	11.63	25.26
Georgia	1,980	4,420	9,076	17,763	.89	1.70	3.13	6.11	2.68	5.32	9.72	17.40
Florida	766	1,774	7,031	30,461	1.45	2.36	7.26	22.03	4.68	9.36	25.79	94.54
East South Central	7,097	15,683	32,852	83,643	.94	1.86	3.69	8.61	2.90	5.81	11.86	27.60
Kentucky	3,038	5,649	8,117	22,517	1.41	2.47	3.36	8.72	4.57	7.98	11.56	30.91
Tennessee	1,751	4,403	10,141	22,768	.87	2.02	4.34	8.86	2.71	6.32	14.33	30.23
Alabama	923	2,905	9,119	20,196	.50	1.36	3.88	7.78	1.51	4.25	11.85	23.81
Mississippi	1,385	2,726	[2] 5,475	18,162	.89	1.52	3.06	9.21	2.63	4.46	9.26	25.93
West South Central	7,658	25,955	75,586	131,113	1.25	2.95	7.38	11.07	3.76	9.00	23.85	37.32
Arkansas	1,370	3,187	7,707	14,147	1.04	2.04	4.40	7.70	3.09	5.99	13.67	22.60
Louisiana	1,135	4,252	11,367	21,689	.82	2.57	6.32	10.58	2.52	7.90	20.39	36.67
Oklahoma	686	6,739	22,906	29,359	1.72	4.07	11.29	12.58	5.50	12.99	36.00	39.23
Texas	4,465	11,777	33,606	65,918	1.40	3.02	7.21	11.72	4.38	9.09	23.81	41.78
Mountain	6,334	16,282	57,845	81,016	3.78	6.19	17.34	22.26	14.18	24.21	65.53	74.61
Montana	923	2,634	12,208	13,005	3.79	7.01	22.24	24.08	17.04	31.40	88.88	77.07
Idaho	400	2,175	8,592	10,457	2.47	6.68	19.89	23.60	8.64	23.87	70.68	68.45
Wyoming	254	796	3,742	6,121	2.74	5.46	19.25	27.82	11.49	24.77	79.50	98.86
Colorado	2,794	5,211	13,200	24,865	5.18	6.52	14.05	24.40	20.96	27.03	56.94	91.71
New Mexico	343	793	4,140	5,284	1.76	2.43	11.49	12.79	5.74	9.27	38.33	44.23
Arizona	300	1,001	6,339	8,309	2.44	4.91	18.97	19.88	9.44	20.40	72.91	69.69
Utah	1,095	3,053	8,240	10,678	3.96	8.19	18.34	21.44	12.14	25.08	61.22	67.79
Nevada	225	619	1,384	2,297	5.30	7.57	16.59	25.81	24.96	35.51	89.75	133.85
Pacific	10,379	33,350	79,573	196,778	4.50	7.96	14.29	25.40	18.79	34.51	68.13	136.87
Washington	2,376	10,493	20,595	32,546	4.59	9.21	15.18	21.30	18.13	40.66	66.59	90.15
Oregon	1,594	4,640	9,998	19,989	3.86	6.90	12.76	21.61	14.64	27.62	55.67	96.31
California	6,909	18,211	48,980	144,243	4.65	7.66	14.29	27.25	20.38	33.72	72.12	165.97

[1] Computed by the Bureau of Foreign and Domestic Commerce, based on revised estimates of population.
[2] Figure for 1919.

Source: Office of Education, Department of the Interior.

No. 118.—PUBLIC ELEMENTARY AND SECONDARY SCHOOLS: ENROLLMENT OF WHITE AND COLORED SCHOOL POPULATION IN 16 STATES

State	Enrollment in elementary and secondary schools				Ratio of enrollment in public schools to school population, per cent				Average number of days attended by each pupil enrolled, 1928	
	White		Colored		White		Colored			
	1920	1928	1920	1928	1920	1928	1920	1928	White	Colored
Total	5,392,635	6,254,635	1,954,225	2,207,467	0.809	0.842	0.698	0.710	123	95
Delaware	31,897	34,380	6,536	6,489	.711	.731	.858	.853	161	145
Maryland	197,088	220,413	44,530	50,487	.663	.703	.694	.759	160	136
Dist. of Columbia	45,775	51,901	10,523	25,467	.826	.829	.883	(1)	149	150
Virginia	360,941	401,424	144,249	152,293	.762	.762	.668	.668	134	105
West Virginia	328,719	377,133	17,537	23,981	.796	.787	.845	.966		
North Carolina	478,189	586,697	213,060	262,031	.883	.906	.805	.859	120	95
South Carolina	226,065	248,272	251,980	228,003	.876	.862	.808	.675	120	83
Georgia	428,960	463,438	261,958	241,498	.812	.789	.647	.557	119	100
Florida	157,666	267,813	67,494	93,539	.883	(1)	.717	.873	124	98
Tennessee	512,821	555,025	107,031	121,396	.891	.898	.810	.895	117	106
Alabama	401,582	430,707	168,358	204,583	.856	.770	.561	.631	116	92
Mississippi	[2] 220,861	315,285	[2]191,809	200,248	.802	(1)	.608	.738	118	76
Arkansas	360,826	368,255	122,346	110,853	.869	.794	.824	.691	110	93
Louisiana	236,301	260,648	117,778	145,833	.700	.739	.536	.643	139	85
Oklahoma	544,821	632,858	44,461	49,401	.925	.941	.940	.649	101	86
Texas	860,123	1,031,881	175,525	201,315	.729	.778	.761	.795	131	106

[1] No estimate of population made. [2] Figures from report of the Bureau of the Census, 1920.

No. 119.—PUBLIC HIGH SCHOOLS AND PRIVATE HIGH SCHOOLS AND ACADEMIES: NUMBER OF SECONDARY PUPILS

NOTE.—Data are from reports received from the schools. (See headnote, Table 112.) The enrollment in high schools in outlying territories and possessions for 1928 is as follows: Alaska, 650; Canal Zone, 530; Hawaii, 4,797 (399 in 1920); Philippine Islands, 18,896; Porto Rico, 3,000 (2,700 in 1920); Virgin Islands, 34.

Division and State	1890	1910	1920	1928	Division and State	1890	1910	1920	1928
Continental U. S.	297,894	1,032,461	2,041,308	3,623,722	S. Atlantic—Con.				
New England	48,046	112,427	181,638	263,987	Dist. of Col.	2,672	6,331	10,527	16,843
Me	7,357	13,351	23,968	26,263	Va	4,803	15,264	31,455	54,535
N. H	4,450	8,108	11,322	16,830	W. Va	822	4,815	18,001	38,388
Vt	4,543	6,017	10,224	9,960	N. C	3,084	13,401	33,713	78,936
Mass	23,696	61,176	92,641	143,282	S. C	2,143	6,500	12,034	25,077
R. I	2,442	7,443	10,752	18,713	Ga	6,436	14,616	27,417	42,840
Conn	5,558	16,332	32,629	48,939	Fla	1,119	3,842	10,494	29,199
Mid. Atlantic	63,834	216,990	398,794	782,524	E. S. Central	14,290	47,191	89,485	167,515
N. Y	38,758	115,542	187,841	409,935	Ky	4,018	12,845	24,684	58,101
N. J	6,956	26,635	60,916	109,369	Tenn	4,706	15,343	24,291	48,463
Pa	18,120	74,813	150,037	263,220	Ala	2,829	9,847	23,884	36,945
					Miss	2,737	9,156	16,626	24,006
E. N. Central	74,721	255,635	467,400	832,943	W. S. Central	9,976	57,268	154,495	258,385
Ohio	23,470	65,524	123,434	219,952	Ark	1,687	8,025	17,306	25,962
Ind	8,908	45,511	68,882	124,338	La	1,961	5,858	18,504	37,110
Ill	18,514	63,245	137,217	253,052	Okla	231	9,228	39,459	68,332
Mich	13,824	42,364	75,201	141,398	Tex	6,097	34,157	79,216	126,981
Wis	9,915	33,991	62,666	94,203					
					Mountain	3,171	31,111	81,170	139,587
W. N. Central	43,634	167,502	324,544	510,218	Mont	505	3,379	15,199	28,246
Minn	6,817	29,645	57,208	97,242	Idaho	132	2,865	11,555	22,724
Iowa	13,099	43,173	75,299	110,222	Wyo	179	976	3,970	8,798
Mo	10,086	36,311	67,331	101,017	Colo	1,192	12,714	22,728	37,694
N. Dak	313	4,696	15,065	21,284	N. Mex	133	1,560	4,445	9,044
S. Dak	563	6,155	14,139	25,219	Ariz	42	1,375	5,476	11,887
Nebr	5,068	20,701	38,442	64,861	Utah	730	7,520	16,010	23,306
Kans	6,988	26,821	57,060	90,373	Nev	249	722	1,787	2,888
					Pacific	14,953	67,702	176,972	338,809
S. Atlantic	25,369	76,635	166,922	329,804	Wash	805	19,522	42,944	73,453
Del	796	1,953	3,474	5,953	Oreg	1,292	9,701	24,954	40,119
Md	2,894	9,923	19,207	36,433	Calif	12,856	38,389	109,074	225,237

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

No. 120.—PUBLIC HIGH SCHOOLS AND PRIVATE HIGH SCHOOLS AND ACADEMIES: NUMBER OF TEACHERS AND PUPILS, 1927–28

NOTE.—Data for public high schools are compiled from reports from the schools and include seventh and eighth grades in junior high. (See also headnote, Table 112.) Data for teachers and pupils in private high schools and academies are as furnished by reporting schools, supplemented by reports from the State departments of education and information furnished by the National Catholic Welfare Conference

Division and State or outlying area	Public high schools					Private high schools and academies				
	Number reporting	Teachers		Pupils		Number reporting	Teachers		Pupils	
		Male	Female	Male	Female		Male	Female	Male	Female
Continental U. S.	18,116	64,931	117,706	2,028,722	2,168,591	2,448	8,157	13,631	159,489	181,669
New England	836	4,031	9,743	150,604	157,352	235	1,254	1,895	30,963	34,318
Maine	184	370	745	12,193	13,258	46	124	220	2,462	3,092
New Hampshire	105	284	573	8,461	8,913	26	202	138	2,671	1,405
Vermont	80	137	341	4,966	5,539	16	49	96	195	457
Massachusetts	342	2,356	5,365	89,479	92,973	106	435	711	19,802	23,762
Rhode Island	27	248	1,154	10,560	11,010	18	98	93	1,860	1,972
Connecticut	98	636	1,565	24,945	25,623	53	346	637	3,033	3,040
Middle Atlantic	1,980	12,294	23,218	464,084	453,294	495	2,014	2,971	38,919	35,492
New York	773	5,395	11,901	245,121	224,971	250	1,024	1,554	21,168	18,594
New Jersey	185	1,668	3,234	59,457	58,588	80	422	438	6,363	5,107
Pennsylvania	1,022	5,231	8,073	160,406	169,735	165	568	979	11,388	11,791
East North Central	3,862	16,464	25,999	471,842	468,151	410	1,127	2,094	37,929	45,053
Ohio	1,076	4,562	6,960	134,551	140,885	100	281	812	8,892	11,544
Indiana	759	3,163	4,118	72,172	75,091	46	186	181	3,124	2,873
Illinois	989	4,149	6,860	125,840	129,114	123	342	880	17,586	19,883
Michigan	603	2,920	5,024	90,663	97,570	98	154	556	5,400	7,344
Wisconsin	425	1,670	3,037	48,616	54,891	43	164	265	2,927	3,409
West North Central	4,197	10,030	17,774	266,028	309,744	361	846	1,760	16,680	21,902
Minnesota	562	1,608	3,532	50,333	62,292	60	172	344	4,374	5,000
Iowa	920	2,284	4,264	57,056	66,433	115	121	429	3,476	4,335
Missouri	766	1,885	2,894	53,241	59,141	74	253	344	3,903	4,626
North Dakota	345	559	592	9,010	12,530	16	25	60	301	738
South Dakota	281	623	826	11,327	14,761	13	28	67	310	611
Nebraska	591	1,200	2,208	32,509	37,886	37	46	214	1,133	1,932
Kansas	723	1,871	3,458	51,052	56,701	46	201	302	3,183	4,660
South Atlantic	2,091	5,453	10,941	171,394	211,023	273	1,053	1,321	10,600	13,467
Delaware	21	83	157	2,700	3,248	7	30	49	583	412
Maryland	152	597	1,250	22,266	25,348	47	171	211	2,032	1,972
Dist. of Col.	17	245	608	9,238	10,399	27	85	168	1,302	1,530
Virginia	357	684	1,806	25,279	32,863	51	271	186	377	887
West Virginia	271	892	1,431	23,917	27,885	13	35	54	483	612
North Carolina	585	1,237	2,108	34,001	44,486	48	240	299	2,957	4,417
South Carolina	262	480	795	11,548	15,008	22	52	95	783	961
Georgia	309	755	1,279	22,047	27,976	35	117	166	1,533	1,902
Florida	177	480	1,447	20,338	23,810	23	43	93	550	764
East South Central	1,531	3,001	5,445	85,484	105,391	197	573	705	7,523	9,527
Kentucky	598	1,083	1,608	26,462	32,869	80	130	290	2,339	3,941
Tennessee	397	859	1,523	25,336	31,324	43	171	135	752	774
Alabama	231	590	1,342	21,107	25,349	45	192	185	2,775	3,479
Mississippi	305	469	972	12,579	15,849	29	74	95	1,657	1,333
West South Central	1,761	4,420	8,088	140,374	162,789	184	416	720	4,633	6,275
Arkansas	246	509	846	15,469	17,931	22	58	84	914	1,015
Louisiana	242	642	1,002	15,216	19,343	56	113	182	1,908	2,257
Oklahoma	555	1,388	2,189	40,794	46,985	38	48	124	673	945
Texas	718	1,981	4,051	68,895	78,530	68	197	330	1,138	2,058
Mountain	864	2,885	4,661	79,698	87,840	76	215	371	3,348	4,987
Montana	193	398	765	10,972	13,302	12	21	49	501	681
Idaho	161	471	596	11,518	12,720	12	17	56	244	413
Wyoming	76	210	351	5,005	5,751	2	6	4	10	29
Colorado	191	760	1,557	24,306	26,646	17	43	84	678	935
New Mexico	85	168	298	4,631	5,049	18	21	57	427	555
Arizona	51	268	401	6,994	6,898	7	30	21	152	221
Utah	82	537	560	14,743	15,181	8	77	100	1,336	2,148
Nevada	25	73	133	1,829	1,799					
Pacific	994	6 353	11,842	198,374	203,501	187	659	1,194	8,874	10,658
Washington	308	1,228	2,074	30,667	43,253	32	147	162	2,270	2,089
Oregon	244	643	1,271	20,314	22,223	22	83	235	650	997
California	442	4,482	8,497	138,393	138,025	133	429	797	5,954	7,575
Alaska Territory	13	21	25	318	332					
Canal Zone	2	6	14	252	278					
Hawaii Territory	15	108	215	3,936	3,283	8	75	69	1,708	916
Philippine Islands	30	287	141	12,297	6,599	39	250	151	18,934	10,485
Porto Rico	13	52	104	1,486	1,613	9	17	50	213	616
Virgin Islands	2	7	3	93	79					

Source: Office of Education, Department of the Interior.

No. 121.—SCHOOL STATISTICS OF NONCONTIGUOUS TERRITORIES AND POSSESSIONS

	1899–1900 [1]	1909–10	1919–20	1925–26	1927–28	1928–29	1929–30
HAWAII TERRITORY							
Public schools:							
Number	140	152	173	182	185	187	181
Teachers	352	486	1,161	1,977	2,298	2,485	2,563
Male	112	106	143	278	388	448	469
Female	240	380	1,018	1,699	1,910	2,037	2,094
Pupils [2]	11,501	10,909	38,295	58,860	66,434	70,232	73,180
Male	6,339	10,037	20,044	30,344	34,062	36,148	37,682
Female	5,162	8,972	18,251	28,516	32,372	34,084	35,498
Hawaiian	4,977	4,381	3,283	3,465	3,355	3,376	3,321
Part-Hawaiian	2,631	3,842	4,100	5,978	7,109	7,446	7,679
Anglo-Saxon	1,250	1,505	1,033	2,101	2,974	3,001	2,993
Spanish	----------	----------	379	292	261	248	258
Portuguese	3,809	4,662	5,304	5,859	5,993	6,093	6,001
Japanese	1,352	7,078	17,541	30,295	34,621	37,112	39,115
Chinese	1,289	2,855	3,721	5,646	6,157	6,545	6,706
Porto Rican	----------	372	1,068	1,047	1,053	1,097	1,103
Korean	----------	260	508	1,149	1,444	1,590	1,719
Filipino	----------	----------	941	2,300	2,706	3,026	3,344
All other	229	582	507	728	671	698	701
PORTO RICO							
Population	953,243	[3]1,118,012	[3]1,299,809	[4]1,454,607	[4]1,502,237	[4]1,526,052	[3]1,544,000
Persons of school age	322,393	[3]390,640	[3]452,446	[4]496,706	[4]514,542	[4]523,460	[3]530,000
Persons attending school	25,528	121,453	184,991	213,641	220,940	220,634	221,248
Teachers	525	1,692	3,286	4,478	4,478	4,498	4,451
Public school buildings	[5]	274	569	905	1,035	1,047	1,030
Rented buildings	[5]	751	1,195	1,376	1,109	1,191	1,170
Schoolrooms	525	[6]	3,090	4,445	4,470	4,602	4,600
School expenditures	$288,098	$1,244,502	$3,150,761	$6,556,361	$6,503,842	$6,433,150	$6,228,665
For university	----------	----------	$188,884	$539,225	$669,376	$615,708	$842,742
Expenditures per inhabitant	$0.30	$1.11	$2.42	$4.51	$4.33	$4.22	$4.03
PHILIPPINE ISLANDS							
Schools	2,285	4,551	5,944	7,278	7,348	7,616	----------
Primary	2,233	4,295	5,280	5,991	5,946	7,486	----------
Intermediate	17	198	614	1,180	1,276		----------
Secondary	35	38	50	107	126	130	----------
Teachers	4,641	9,007	17,575	25,175	26,251	27,566	----------
American	787	732	341	288	293	292	----------
Filipino	3,854	8,275	17,234	24,887	25,958	27,274	----------
Highest monthly enrollment	[7]227,600	[8]451,938	[9]678,956	[9]1,014,003	[9]1,035,554	[9]1,047,981	----------
ALASKA TERRITORY							
Native schools: [10]							
Number	25	77	67	86	95	93	93
Pupils enrolled	1,753	3,964	3,610	3,703	3,742	3,750	3,899
Average attendance	----------	1,992	2,367	2,550	2,615	2,643	3,029
Teachers	27	103	138	159	177	187	195
Teachers' salaries	$18,341	$85,834	$122,014	$192,045	$227,857	$222,370	$229,667
Total cost	$29,274	$195,613	$249,456	$434,030	$469,400	$486,500	$580,400
White schools: [11]							
Teachers	----------	----------	163	211	235	244	253
Pupils enrolled	----------	[12]621	3,418	4,352	4,828	5,032	5,066
Average attendance	----------	----------	[13]1,635	3,660	3,970	4,093	4,167
Expenditures	----------	[12]$36,486	$330,038	$483,587	$584,829	$541,772	$594,602

[1] Statistics for Porto Rico are for 1898–99; for Philippine Islands, for 1903–4.
[2] Figures by race for 1899–1900 include 4,036 pupils in private schools, and for 1909–10, 5,623; thereafter all figures are for public schools only. The number of pupils in private schools in 1919–20 was 7,406; 1925–26, 9,651; 1927–28, 9,497; 1928–29, 11,075; 1929–30, 11,835.
[3] Census of 1910, 1920, and 1930, respectively.
[4] Census estimates as of July 1, 1926, 1928, and 1929.
[5] No school buildings on the island, the 525 schools in operation being conducted, as a rule, in teachers' residences.
[6] Not available. [7] March. [8] September. [9] Average monthly enrollment.
[10] Statistics for 1899–1900 are for all public schools.
[11] Including mixed schools outside of incorporated towns and districts.
[12] Native and mixed schools outside of incorporated towns only.
[13] Mixed and white schools outside of incorporated towns not included.

Sources: Hawaiiand Porto Rico, reports of the Governor of Hawaii and Porto Rico, respectively. Philippine Islands, reports of the director of education. Alaska, native schools, Office of Education, Department of the Interior; white schools, reports of the Governor of Alaska.

No. 122.—UNIVERSITIES, COLLEGES, AND

Division and State or Territory	Number of institutions, 1928	Professors and instructors, 1928		Students—Total enrollment, excluding duplicates					
				1900	1910	1920	1928		
		Male	Female				Total	Male	Female
Continental U. S.	1,071	52,263	14,948	[1] 224,284	[2] 332,896	521,754	919,381	563,244	356,137
New England	57	5,149	893	18,356	25,379	44,657	70,132	49,593	20,539
Maine	5	223	27	1,520	2,012	2,047	3,243	2,415	828
New Hampshire	3	353	12	955	1,506	2,068	4,184	3,683	501
Vermont	4	252	40	676	926	1,643	2,353	1,569	784
Massachusetts	32	3,355	703	12,312	15,726	31,334	49,432	33,124	16,308
Rhode Island	3	201	13	943	1,170	1,738	3,233	2,520	713
Connecticut	10	765	98	2,950	3,979	4,627	7,687	6,282	1,405
Middle Atlantic	145	12,059	2,462	32,821	52,191	106,501	211,546	138,629	72,917
New York	62	7,237	1,541	17,063	29,517	62,579	133,517	85,401	48,116
New Jersey	15	693	94	2,394	3,030	4,235	10,333	8,549	1,784
Pennsylvania	68	4,729	827	13,364	19,644	38,687	67,696	44,679	23,017
East North Central	184	10,477	2,719	41,959	74,474	122,614	199,232	123,452	75,780
Ohio	57	3,153	938	11,794	19,105	31,699	61,809	34,948	26,861
Indiana	26	1,129	335	4,908	12,775	16,820	22,283	14,716	7,567
Illinois	56	3,441	866	15,307	26,191	44,938	69,807	43,327	26,480
Michigan	20	1,588	357	5,737	8,508	14,817	27,054	18,649	8,405
Wisconsin	16	1,166	223	4,123	7,895	14,340	18,279	11,812	6,467
West North Central	192	8,644	2,561	31,767	48,203	80,245	118,360	67,918	45,471
Minnesota	29	1,502	525	4,821	7,481	17,210	22,712	14,128	8,584
Iowa	43	1,351	617	7,437	11,148	18,936	23,615	13,577	10,038
Missouri	52	1,725	517	7,978	10,011	16,319	25,573	16,640	8,933
North Dakota	5	228	89	644	1,419	2,777	4,075	2,477	1,598
South Dakota	11	272	117	1,388	2,187	3,695	4,678	2,665	2,013
Nebraska	17	708	266	3,918	5,532	9,088	14,200	8,099	6,101
Kansas	35	858	430	5,581	10,425	12,770	18,536	10,332	8,204
South Atlantic	168	5,991	2,102	24,545	34,549	59,301	99,017	58,114	40,903
Delaware	1	57	21	137	201	408	707	396	311
Maryland	18	1,273	287	3,284	4,136	9,763	13,625	9,099	4,526
Dist. of Columbia	11	1,065	92	2,872	4,361	9,401	14,342	9,949	4,393
Virginia	32	883	377	4,032	6,149	9,174	15,034	9,163	5,871
West Virginia	13	342	125	996	1,502	3,183	7,044	3,707	3,337
North Carolina	33	788	453	4,659	6,088	8,885	16,044	9,302	7,342
South Carolina	22	480	258	3,662	5,325	5,486	11,095	5,035	6,060
Georgia	32	819	366	4,220	5,597	10,856	15,037	8,509	6,528
Florida	6	284	143	683	1,190	2,145	5,489	2,954	2,535
East South Central	90	2,106	888	20,781	23,685	23,737	44,790	24,784	20,006
Kentucky	27	476	220	5,309	5,353	6,720	11,506	6,644	4,862
Tennessee	32	940	205	8,019	10,205	7,365	15,474	8,405	7,069
Alabama	13	431	191	3,060	2,808	5,456	9,357	5,955	3,902
Mississippi	18	259	210	3,493	4,319	4,196	7,953	3,780	4,173
West South Central	110	3,204	1,445	10,755	17,789	32,111	70,734	36,306	34,428
Arkansas	16	265	135	1,991	2,467	3,141	6,374	3,610	2,764
Louisiana	11	689	222	2,611	3,914	4,102	10,511	5,773	4,738
Oklahoma	17	607	278	851	2,473	6,187	14,187	7,439	6,748
Texas	66	1,643	810	5,302	8,935	18,681	39,662	19,484	20,178
Mountain	37	1,472	536	5,553	8,174	13,643	29,068	17,287	11,776
Montana	5	166	54	345	577	1,727	3,130	1,971	1,168
Idaho	4	180	59	226	634	1,624	3,130	1,789	1,341
Wyoming	1	72	43	187	242	511	1,386	763	623
Colorado	12	534	179	2,471	4,133	4,211	9,363	5,754	3,609
New Mexico	4	99	18	382	455	1,006	1,661	1,204	457
Arizona	3	120	42	161	200	1,088	2,510	1,511	999
Utah	7	254	123	1,457	1,599	3,046	6,872	3,713	3,159
Nevada	1	57	13	324	334	430	1,002	582	420
Pacific	88	4,561	1,342	9,022	17,246	33,855	81,478	47,161	34,317
Washington	10	601	145	1,571	4,323	8,748	14,228	8,793	5,435
Oregon	14	583	171	1,604	3,083	7,327	10,685	6,482	4,203
California	64	3,377	1,026	5,847	9,840	23,780	56,565	31,886	24,679
Alaska	1	13	4	----	----	----	83	52	31
Hawaii	1	54	13	----	64	171	672	444	228
Porto Rico	1	71	20	----	652	884	1,597	628	969

[1] Includes 27,725 students in professional departments of colleges and universities not distributed by States.

PROFESSIONAL SCHOOLS: BY STATES

Students, 1923										Total receipts, exclusive of additions to endowment (thousands of dollars)		Division and State or Territory
Preparatory		Collegiate		Graduate		Professional		All other				
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	1920	1928	
30,206	20,382	402,242	292,977	26,540	17,025	93,639	5,785	16,399	22,754	189,235	496,529	U. S.
1,509	296	38,198	17,787	2,401	1,355	10,065	911	164	190	23,095	57,646	N. E.
------	------	2,344	800	22	17	32	3	17	8	947	2,573	Me.
110	------	3,484	464	33	9	45	------	11	28	1,483	2,944	N. H.
60	------	1,381	759	9	14	119	11	------	------	965	1,682	Vt.
1,293	290	20,981	14,001	1,677	1,058	9,075	855	108	98	13,645	33,997	Mass.
------	------	2,419	608	155	97	------	------	6	8	1,459	2,197	R. I.
46	------	5,589	1,155	505	160	794	42	22	48	4,596	14,253	Conn.
5,360	2,936	92,407	54,178	7,088	5,195	26,797	1,443	7,040	9,417	37,381	110,939	M. A.
3,096	2,315	55,682	35,050	4,578	3,814	16,575	999	5,534	6,157	20,844	64,616	N. Y.
700	26	4,785	1,575	263	6	2,774	108	27	69	2,146	8,217	N. J.
1,564	595	31,940	17,553	2,257	1,375	7,448	336	1,479	3,191	14,391	38,106	Pa.
6,661	2,137	88,016	63,602	7,029	4,738	20,145	1,139	3,846	4,517	35,199	99,412	E. N. C.
1,269	567	24,744	21,898	1,322	1,039	4,566	224	3,103	3,301	8,628	25,323	Ohio.
269	285	12,205	6,876	411	208	1,894	82	135	116	3,742	13,517	Ind.
2,637	671	28,180	21,962	3,673	2,634	8,648	612	373	676	11,736	30,280	Ill.
502	317	14,001	7,362	840	408	3,397	160	132	239	6,020	18,870	Mich.
1,084	297	8,886	5,504	783	449	1,640	61	103	185	5,073	11,422	Wis.
6,173	3,457	47,174	38,909	2,878	1,618	11,451	643	1,208	1,774	28,938	60,996	W. N. C.
1,933	1,107	9,344	7,303	1,015	390	2,180	182	40	60	6,842	14,650	Minn.
894	441	10,232	8,818	759	443	1,545	86	167	285	7,333	15,259	Iowa.
1,305	593	9,657	7,663	480	348	5,174	253	130	191	4,437	12,822	Mo.
200	71	2,017	1,427	46	22	198	17	26	70	1,364	2,305	N. Dak.
277	202	2,101	1,555	31	19	172	5	122	184	1,584	2,652	S. Dak.
771	642	5,063	5,124	236	180	1,461	35	149	220	3,162	5,501	Nebr.
793	341	8,160	7,019	311	216	721	65	574	764	4,216	7,807	Kans.
1,962	3,271	42,452	34,241	2,370	1,136	10,182	442	1,836	2,022	21,855	59,965	S. A.
------	------	387	311	9	------	------	------	------	------	414	820	Del.
386	222	5,876	3,966	403	203	1,860	68	830	211	5,461	9,361	Md.
96	92	5,256	3,271	783	490	3,620	245	353	304	1,486	4,956	D. C.
190	657	7,160	4,944	173	52	1,529	31	111	187	4,289	11,248	Va.
217	303	2,895	2,738	220	92	297	11	95	199	1,072	3,645	W. Va.
353	589	7,842	6,159	348	68	604	10	167	518	2,432	12,786	N. C.
73	286	4,446	5,431	89	92	354	10	83	241	2,850	5,388	S. C.
637	1,113	6,202	5,182	274	108	1,481	57	52	116	3,102	7,877	Ga.
10	9	2,388	2,230	71	31	437	10	145	246	749	3,884	Fla.
2,720	3,052	18,685	16,060	344	210	3,109	112	393	1,074	8,511	24,719	E. S. C.
1,324	1,414	4,222	2,956	128	90	750	43	120	390	2,220	5,701	Ky.
627	924	5,926	5,683	124	74	1,866	61	135	398	2,378	7,688	Tenn.
586	362	5,081	3,662	57	35	286	3	83	28	1,860	5,080	Ala.
186	352	3,456	3,759	35	11	207	5	55	258	2,044	6,250	Miss.
2,967	3,238	28,209	28,648	869	642	3,997	272	750	2,047	12,178	30,417	W. S. C.
991	504	2,315	2,200	19	25	268	2	17	72	1,180	2,412	Ark.
348	555	4,264	3,859	113	116	991	45	64	163	1,441	4,707	La.
385	435	6,201	5,035	108	135	719	88	216	680	2,507	6,380	Okla.
1,243	1,744	15,339	16,954	539	366	2,019	137	453	1,132	7,050	16,918	Tex.
892	673	14,312	10,041	510	352	1,152	94	583	717	7,543	14,728	Mt.
75	------	1,764	1,079	42	32	100	11	9	60	1,143	1,684	Mont.
------	------	1,582	1,185	60	26	49	3	102	129	943	1,811	Idaho.
94	89	561	449	18	22	27	2	63	61	445	908	Wyo.
185	183	4,543	3,085	148	116	774	67	104	160	1,800	4,657	Colo.
370	------	783	342	9	14	------	------	42	101	610	1,482	N. Mex.
37	64	1,260	788	62	49	65	4	87	94	836	1,323	Ariz.
131	337	3,269	2,740	146	54	137	7	169	104	1,347	2,123	Utah.
------	------	550	373	25	39	------	------	7	8	419	680	Nev.
2,069	1,322	34,789	29,511	3,041	2,379	6,741	729	579	996	14,534	37,707	Pac.
674	96	7,155	5,020	382	270	589	57	52	70	3,240	5,709	Wash.
354	389	4,803	3,324	165	95	1,131	225	151	260	2,723	5,257	Oreg.
1,031	837	22,831	21,167	2,494	2,014	5,021	447	376	666	8,571	26,741	Calif.
------	------	40	14	1	------	------	------	11	17	------	147	Alaska.
------	------	424	199	23	32	------	------	------	------	138	723	Hawaii.
125	188	421	685	5	11	66	20	11	65	213	748	P. R.

[1] Includes 32,606 students in professional courses and in music, art, etc., departments of universities and colleges not distributed by States.

Source: Office of Education, Department of the Interior.

No. 123.—NUMBER OF STUDENTS PURSUING SPECIFIED PROFESSIONAL COURSES, 1927–28

NOTE.—There were also 8 schools reporting 1,643 men and 222 women pursuing courses in osteopathy which are not shown in the table. Data by States are as follows: Massachusetts, 1 school with 75 men and 9 women; Pennsylvania, 1 school with 213 men and 34 women; Illinois, 1 school with 117 men and 15 women; Iowa, 1 school with 222 men and 13 women; Missouri, 3 schools with 764 men and 101 women; California, 1 school with 252 men and 50 women

Division and State or Territory	Theology			Law			Medicine			Dentistry			Pharmacy			Veterinary medicine		
	Schools reporting	Men	Women	Schools reporting	Men	Women	Schools reporting	Men	Women	Schools reporting	Men	Women	Schools reporting	Men	Women	Schools reporting	Men	Women
Cont'l U. S.	176	12,294	1,348	136	40,478	2,216	73	20,485	942	41	9,166	116	66	10,363	762	10	610	2
New England	14	1,049	159	6	6,534	662	6	1,550	47	2	459	---	1	398	34	---	---	---
Maine	1	32	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
New Hampshire	1	8	---	---	---	---	1	37	---	---	---	---	---	---	---	---	---	---
Vermont	---	---	---	---	---	---	1	119	11	---	---	---	---	---	---	---	---	---
Massachusetts	9	755	146	5	6,192	644	3	1,196	22	2	459	---	1	398	34	---	---	---
Connecticut	3	254	10	1	342	18	1	198	14	---	---	---	---	---	---	---	---	---
Middle Atlantic	41	2,992	260	15	13,262	592	15	4,224	273	6	1,996	16	10	4,040	268	1	110	1
New York	18	1,313	212	10	10,058	478	9	2,365	154	3	927	6	5	2,212	149	1	110	1
New Jersey	5	647	30	1	1,751	62	---	---	---	---	---	---	1	376	16	---	---	---
Pennsylvania	18	1,032	18	4	1,453	52	6	1,859	119	3	1,369	10	4	1,452	103	---	---	---
East North Central	42	3,276	439	27	7,381	257	13	4,961	248	9	2,316	51	14	2,220	129	2	130	---
Ohio	12	720	38	8	1,709	73	4	866	46	3	495	5	5	676	62	1	100	---
Indiana	5	225	20	5	575	24	1	411	18	1	225	1	4	458	10	---	---	---
Illinois	15	1,903	355	8	2,808	95	4	2,181	113	3	1,035	12	1	607	22	---	---	---
Michigan	5	156	17	4	1,818	45	2	926	47	1	343	31	3	377	20	1	30	---
Wisconsin	5	272	---	2	471	20	2	577	24	1	218	2	1	102	15	---	---	---
West North Central	23	1,715	90	19	3,133	149	10	2,812	90	7	1,524	7	10	1,086	74	2	195	---
Minnesota	7	449	8	4	669	24	1	650	38	1	278	3	1	134	17	---	---	---
Iowa	4	139	40	2	290	8	1	449	16	1	216	---	2	110	9	1	119	---
Missouri	6	940	1	6	1,408	98	3	916	13	3	785	2	2	361	11	---	---	---
North Dakota	---	---	---	1	65	3	1	49	2	---	---	---	1	84	12	---	---	---
South Dakota	---	---	---	1	63	2	1	44	---	---	---	---	1	65	3	---	---	---
Nebraska	4	78	2	3	398	5	2	493	8	2	245	2	2	247	18	---	---	---
Kansas	2	109	39	2	240	9	1	211	13	---	---	---	1	85	4	1	76	---
South Atlantic	25	1,316	44	25	4,430	261	12	3,351	81	5	945	5	10	786	44	1	15	---
Maryland	3	245	3	1	282	11	2	632	40	1	367	2	1	334	12	---	---	---
Dist. of Col.	3	234	3	6	2,145	200	3	957	22	2	200	2	2	84	18	---	---	---
Virginia	4	256	---	4	479	9	2	591	16	1	102	---	1	101	6	---	---	---
West Virginia	---	---	---	1	143	7	1	109	2	---	---	---	1	45	2	---	---	---
North Carolina	4	84	3	3	307	4	2	140	1	---	---	---	1	73	2	---	---	---
South Carolina	4	73	---	2	94	3	1	722	---	---	---	---	1	38	---	---	---	---
Georgia	7	424	35	5	605	17	1	200	---	1	276	1	2	49	4	1	15	---
Florida	---	---	---	3	375	10	---	---	---	---	---	---	1	62	---	---	---	---
East South Central	13	754	33	9	1,078	33	6	1,159	25	3	277	5	5	350	16	1	15	---
Kentucky	6	573	19	3	257	15	1	284	5	1	74	2	1	86	2	---	---	---
Tennessee	5	163	14	4	600	15	3	726	18	2	203	3	2	174	11	---	---	---
Alabama	2	18	---	1	129	1	1	87	1	---	---	---	1	37	1	1	15	---
Mississippi	---	---	---	1	92	2	1	62	1	---	---	---	1	53	2	---	---	---
West South Central	9	642	115	11	1,231	64	5	1,299	46	4	385	11	6	313	35	1	10	---
Arkansas	2	84	---	1	29	---	1	134	---	---	---	---	1	21	2	---	---	---
Louisiana	---	---	---	3	275	14	1	414	12	2	105	4	2	80	14	---	---	---
Oklahoma	1	82	51	2	354	23	1	183	5	---	---	---	1	100	9	---	---	---
Texas	6	476	64	5	573	27	2	568	29	2	280	7	2	112	10	1	10	---
Mountain	1	67	5	8	518	25	2	229	14	1	108	5	4	171	44	1	59	1
Montana	---	---	---	1	52	2	---	---	---	---	---	---	1	48	9	---	---	---
Idaho	---	---	---	1	22	---	---	---	---	---	---	---	1	27	3	---	---	---
Wyoming	---	---	---	1	27	2	---	---	---	---	---	---	---	---	---	---	---	---
Colorado	1	67	5	3	294	15	1	174	12	1	108	5	1	72	29	1	59	1
Arizona	---	---	---	1	65	4	---	---	---	---	---	---	---	---	---	---	---	---
Utah	---	---	---	1	58	2	1	55	2	---	---	---	1	24	3	---	---	---
Pacific	8	483	203	18	2,911	173	4	900	118	4	1,156	16	6	999	118	1	76	---
Washington	---	---	---	2	280	13	---	---	---	---	---	---	2	233	44	1	76	---
Oregon	2	151	95	3	295	16	1	214	20	1	265	2	2	242	41	---	---	---
California	6	332	108	11	2,336	144	3	686	98	3	891	14	2	524	33	---	---	---
Porto Rico	---	---	---	1	27	1	---	---	---	---	---	---	1	39	19	---	---	---

Source: Office of Education, Department of the Interior.

No. 124.—UNIVERSITIES, 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		Productive funds		
	1920	1928	1920	1928	1920	1928	1910	1920	1928
Cont'l U. S.	24,191,204	40,497,291	110,848	245,589	535,683	1,419,341	259,377	556,350	1,150,112
New England	5,831,211	7,455,477	12,473	21,425	61,432	131,392	62,876	137,747	276,918
Maine	296,000	381,092	1,348	1,190	2,945	5,115	3,226	3,679	9,449
New Hampshire	203,765	313,000	353	997	3,819	6,843	3,280	5,284	10,947
Vermont	193,000	214,568	613	756	2,448	4,621	1,189	2,581	5,643
Massachusetts	3,326,606	4,493,157	6,585	10,789	33,659	63,444	36,541	92,571	174,222
Rhode Island	205,200	445,000	173	362	812	7,468	3,467	3,266	9,032
Connecticut	1,516,640	1,608,720	3,401	7,331	17,749	43,901	15,173	30,366	67,025
Middle Atlantic	4,726,388	8,477,717	23,740	50,106	142,201	360,176	59,009	153,262	290,947
New York	2,327,391	4,502,276	11,731	22,274	82,421	213,592	45,301	91,564	178,858
New Jersey	613,526	1,197,544	712	3,852	4,467	20,410	1,553	13,243	28,269
Pennsylvania	1,785,471	2,717,897	11,297	23,980	55,313	126,264	12,155	48,455	83,820
East North Central	4,995,325	8,039,987	24,455	53,895	98,599	286,663	50,382	83,071	193,599
Ohio	1,410,005	2,525,789	6,052	14,307	28,621	75,730	13,762	23,004	61,706
Indiana	536,711	859,561	3,668	5,295	13,341	34,496	4,605	7,948	19,422
Illinois	1,828,636	2,669,715	7,836	13,834	33,882	105,822	25,840	46,943	92,034
Michigan	661,646	1,159,677	3,912	13,256	11,148	46,709	3,157	3,411	9,509
Wisconsin	558,327	825,245	2,987	7,203	11,607	23,816	3,018	6,765	10,928
West North Central	2,705,079	4,772,619	17,252	38,521	66,121	184,137	22,908	46,794	84,117
Minnesota	507,788	993,650	3,666	7,532	16,040	43,540	2,827	7,818	17,742
Iowa	580,179	1,062,378	4,808	9,212	15,665	31,684	4,845	10,797	19,830
Missouri	712,286	1,204,420	3,787	9,357	14,015	61,191	8,028	17,152	27,641
North Dakota	104,750	148,465	759	1,902	2,041	4,170	2,700	3,788	4,618
South Dakota	101,936	192,981	505	1,435	2,485	6,232	482	968	3,508
Nebraska	228,940	474,959	1,104	3,471	6,053	16,044	1,316	2,449	6,332
Kansas	469,200	695,766	2,623	5,612	9,822	21,276	1,808	3,822	7,446
South Atlantic	2,347,485	4,194,588	10,356	27,432	73,119	193,368	13,666	34,562	104,751
Delaware	27,000	38,000	258	651	1,407	2,028	83	395	534
Maryland	486,372	777,935	2,566	5,979	20,488	32,550	4,759	10,808	27,877
Dist. of Columbia	431,992	790,236	727	1,691	6,143	23,714	387	3,851	7,718
Virginia	441,400	687,284	1,671	3,594	10,880	26,983	3,939	7,369	16,212
West Virginia	93,000	191,291	168	1,731	3,684	11,497	435	973	3,276
North Carolina	262,498	668,398	1,444	4,569	7,846	49,298	1,237	2,936	33,152
South Carolina	231,469	334,047	1,770	2,702	9,867	17,298	930	1,735	4,412
Georgia	290,643	550,766	1,438	3,618	10,619	21,958	1,161	5,071	9,539
Florida	83,111	156,631	414	2,897	2,185	8,042	735	1,424	2,031
East South Central	692,675	1,371,747	4,213	9,673	21,433	62,525	8,377	17,015	47,931
Kentucky	207,112	386,874	947	2,294	5,042	15,671	1,860	4,042	17,104
Tennessee	262,545	487,628	1,345	3,633	7,563	23,838	3,603	8,833	21,461
Alabama	125,176	291,720	856	1,616	4,997	10,381	1,464	2,489	5,661
Mississippi	97,842	205,516	1,065	2,130	3,831	12,635	1,450	1,651	3,705
West South Central	768,149	1,810,830	6,028	17,004	25,761	75,616	7,691	16,230	56,557
Arkansas	81,343	173,126	639	1,169	3,263	5,810	227	770	2,099
Louisiana	166,134	320,695	863	2,993	5,159	16,951	3,116	6,488	10,458
Oklahoma	91,480	230,574	943	2,391	3,814	10,661	1,518	3,925	4,874
Texas	429,192	1,080,435	3,583	10,451	13,525	42,194	2,830	5,047	39,126
Mountain	623,392	1,282,905	3,537	8,671	11,649	35,146	3,223	4,692	15,715
Montana	74,500	212,280	390	973	1,325	5,260	1,209	--------	1,948
Idaho	56,700	118,200	512	858	1,382	2,850	577	1,719	2,596
Wyoming	46,000	69,000	325	548	655	2,255	23	807	2,124
Colorado	245,779	464,726	910	2,995	3,802	13,301	1,237	1,637	5,702
New Mexico	34,562	64,833	349	840	765	2,334	22	70	903
Arizona	32,600	77,000	206	719	1,123	2,403	10	10	672
Utah	103,751	227,932	623	1,384	1,931	5,217	--------	120	1,374
Nevada	35,500	48,934	222	354	566	1,526	145	329	336
Pacific	1,495,500	3,091,421	8,794	18,862	35,467	90,318	31,247	57,977	79,577
Washington	251,507	521,983	1,402	3,313	5,293	12,084	802	8,449	10,156
Oregon	216,304	413,596	1,109	3,032	4,830	11,734	656	4,244	5,319
California	1,027,689	2,155,842	6,283	12,517	25,344	66,500	29,789	45,284	64,102
Alaska Territory	--------	8,056	--------	134	--------	222	--------	--------	50
Hawaii Territory	21,788	44,054	169	369	275	2,307	--------	--------	6
Porto Rico	8,000	19,471	102	326	242	644	--------	11	224

[1] Data for University of West Virginia not included.

Source: Office of Education, Department of the Interior.

No. 125.—NORMAL SCHOOLS AND TEACHERS' COLLEGES: NUMBER OF SCHOOLS AND TEACHERS AND STUDENTS, BY SEX, BY STATES

Division and State or outlying area	Public normal schools and public and private teachers' colleges									Private normal schools, 1930		
	Teachers					Students						
	Number, 1930	1910[1]	1920	1930		1910[1]	1920	1930		Number	Teachers	Students
				Male	Female			Male	Female			
Cont'l U. S.	270	4,814	[2]8,260	5,585	7,880	113,011	152,909	57,805	210,850	52	908	10,540
New England	28	516	668	203	610	6,354	5,496	651	7,875	11	189	1,558
Maine	7	70	84	36	104	1,548	574	227	1,722	----	----	----
New Hampshire	3	21	59	31	60	172	837	127	927	----	----	----
Vermont	1	29	15	0	10	271	280	----	123	----	----	----
Massachusetts	11	262	324	107	278	2,183	2,779	284	3,501	7	138	1,258
Rhode Island	1	50	81	11	20	787	457	13	593	----	----	----
Connecticut	5	84	105	18	138	1,393	569	----	1,009	4	51	300
Middle Atlantic	39	1,291	1,383	657	1,435	30,014	19,789	5,141	28,925	13	284	2,829
New York	16	630	698	316	676	14,400	9,448	1,746	14,609	8	194	2,037
New Jersey	6	174	186	55	174	4,203	1,610	285	3,116	2	56	440
Pennsylvania	17	487	499	286	585	11,321	8,731	3,110	11,200	3	34	352
East North Central	79	817	1,826	1,184	1,706	22,512	37,607	13,068	40,578	6	160	1,213
Ohio	5	113	320	88	123	1,966	6,976	727	3,575	2	41	222
Indiana	4	60	205	174	139	3,297	5,812	2,664	5,430	1	26	167
Illinois	8	191	348	307	411	7,115	8,495	2,975	11,855	5	93	824
Michigan	34	220	431	334	644	6,574	7,478	3,381	12,623	----	----	----
Wisconsin	28	233	521	261	389	3,560	8,846	3,331	7,086	----	----	----
West North Central	32	785	1,564	912	1,213	21,547	31,825	9,423	38,033	7	91	1,157
Minnesota	6	154	204	79	194	4,082	3,969	657	4,700	2	34	325
Iowa	1	88	172	83	121	2,861	4,158	956	4,233	1	11	220
Missouri	9	212	359	294	282	6,150	8,828	3,003	9,952	1	13	271
North Dakota	5	58	214	109	173	981	2,574	1,000	4,366	----	----	----
South Dakota	4	94	197	85	110	1,360	2,581	594	2,519	1	9	94
Nebraska	4	66	172	110	155	2,697	3,652	974	4,097	2	24	247
Kansas	3	113	246	152	178	3,376	6,063	2,239	6,166	----	----	----
South Atlantic	35	594	800	535	859	11,217	13,334	4,787	22,105	3	26	166
Maryland	5	40	87	17	74	622	915	174	1,297	----	----	----
Dist. of Columbia	2	28	31	6	47	347	191	43	559	1	15	130
Virginia	8	181	203	174	292	2,835	4,644	1,169	6,688	----	----	----
West Virginia	7	114	164	155	147	3,208	2,753	2,454	5,549	----	----	----
North Carolina	6	95	125	91	139	1,837	2,100	233	4,868	----	----	----
South Carolina	1	77	49	36	22	1,276	918	246	519	1	4	16
Georgia	6	32	141	56	138	821	1,813	468	2,615	1	7	20
Florida	----	27	----	----	----	271	----	----	----	----	----	----
East South Central	22	171	448	306	590	5,130	10,946	7,342	23,268	2	113	2,297
Kentucky	6	76	124	190	192	2,883	3,194	2,720	6,942	----	----	----
Tennessee	6	----	135	245	161	----	3,880	2,558	7,718	1	4	101
Alabama	7	86	161	112	177	1,825	2,859	1,161	6,101	1	109	2,196
Mississippi	3	9	28	59	60	422	1,043	903	2,507	----	----	----
West South Central	20	270	762	861	698	8,391	21,188	10,711	28,786	----	----	----
Arkansas	2	23	48	47	46	554	1,109	589	1,867	----	----	----
Louisiana	3	61	86	70	94	1,559	1,223	533	2,446	----	----	----
Oklahoma	7	131	295	363	199	4,377	10,361	4,560	10,497	----	----	----
Texas	8	55	333	381	359	1,901	8,475	5,029	13,926	----	----	----
Mountain	11	149	384	265	273	2,888	6,786	2,061	8,174	2	23	460
Montana	2	23	46	24	45	186	507	85	949	----	----	----
Idaho	2	33	68	22	38	458	1,083	173	1,003	----	----	----
Colorado	3	38	129	116	97	1,278	2,348	1,029	3,796	1	5	240
New Mexico	2	29	68	53	36	672	2,057	394	1,191	----	----	----
Arizona	2	26	61	50	57	294	659	380	1,175	----	----	----
Utah	----	----	[2]12	----	----	----	52	----	----	1	18	211
Pacific	13	221	425	382	496	4,958	5,978	4,821	15,158	6	112	860
Washington	3	69	165	68	117	1,286	2,840	860	3,448	2	32	289
Oregon	3	29	28	31	94	472	737	385	2,427	2	55	374
California	7	123	232	283	285	3,200	2,401	3,376	9,281	2	25	197
Hawaii	1	----	54	31	60	----	423	249	1,717	----	----	----
Philippine Islands	----	----	----	----	----	----	----	----	----	1	19	517
	Private teachers' colleges only (included above)											
Illinois	1	----	22	8	56	----	257	30	727	----	----	----
Indiana	2	----	83	32	44	----	2,829	425	1,158	----	----	----
North Carolina	1	----	----	31	43	----	----	55	1,537	----	----	----
Tennessee	1	----	73	125	65	----	1,828	1,005	2,746	----	----	----
Utah	----	----	[2]12	----	----	----	52	----	----	----	----	----
Virginia	1	----	----	74	84	----	----	744	1,217	----	----	----

[1] Owing to a reclassification of schools, figures differ from those in Table 113.
[2] See footnote 1, Table 113.

Source: Office of Education, Department of the Interior.

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

NOTE.—Summer schools are chiefly those run by universities, colleges, and normal schools

Division and State or outlying area	Nurse-training schools, 1927		Commercial schools, 1929		Summer schools, 1927		Reform schools, 1927	
	Schools	Students	Schools	Students	Schools	Students	Schools	Students
Continental United Sates	1,722	75,638	651	178,756	651	381,932	158	84,317
New England	188	8,694	62	18,205	49	11,835	18	5,325
Maine	20	667	4	280	8	1,615	3	530
New Hampshire	21	449	4	409	3	558	1	238
Vermont	12	308	1	108	5	1,400	1	348
Massachusetts	90	4,932	29	7,658	21	7,606	9	2,824
Rhode Island	10	847	5	737	2	542	2	513
Connecticut	20	1,441	19	4,004	1	114	2	872
Middle Atlantic	338	18,404	139	44,857	83	59,889	29	19,668
New York	130	8,347	71	25,060	31	35,525	14	9,923
New Jersey	49	2,091	14	2,818	10	1,859	6	3,597
Pennsylvania	160	7,966	54	16,970	42	22,505	9	6,148
East North Central	305	15,414	135	45,113	111	52,088	24	23,060
Ohio	75	3,806	45	15,800	33	22,215	7	9,851
Indiana	32	1,609	18	5,578	20	12,054	3	2,481
Illinois	118	5,807	38	16,790	28	24,067	7	7,124
Michigan	42	2,336	22	5,149	16	12,617	5	2,637
Wisconsin	38	1,766	12	1,796	14	10,535	2	967
West North Central	250	10,720	76	23,097	104	59,176	21	7,038
Minnesota	59	3,723	10	3,018	12	8,600	6	1,925
Iowa	50	2,079	17	4,283	20	12,633	4	1,183
Missouri	31	1,560	18	8,096	19	12,446	3	1,212
North Dakota	15	553	5	377	7	4,194	1	250
South Dakota	18	462	3	629	12	2,686	1	213
Nebraska	23	1,083	7	2,013	15	8,905	3	695
Kansas	54	1,220	16	4,681	19	9,712	3	1,560
South Atlantic	242	7,775	67	11,578	89	42,064	25	8,221
Delaware	4	132	2	856	1	294	3	275
Maryland	27	1,506	4	875	8	2,256	6	2,664
District of Columbia	11	848	7	2,046	5	1,985	2	950
Virginia	42	1,313	8	1,572	14	8,851	4	915
West Virginia	36	702	9	1,879	16	6,524	2	938
North Carolina	47	1,208	8	1,231	21	11,510	1	600
South Carolina	24	552	7	534	6	2,864	3	575
Georgia	32	962	10	1,078	15	6,355	3	442
Florida	19	552	12	1,507	3	1,425	1	850
East South Central	116	3,279	50	8,789	62	31,678	11	4,472
Kentucky	25	766	13	2,277	16	8,021	2	1,581
Tennessee	30	1,113	20	3,663	18	10,061	5	1,145
Alabama	30	827	10	2,486	16	10,218	3	1,374
Mississippi	31	573	7	363	12	3,278	1	372
West South Central	127	3,925	61	11,320	87	50,254	7	9,965
Arkansas	18	399	9	808	13	3,263	1	325
Louisiana	14	719	7	2,478	10	5,695	1	324
Oklahoma	30	651	14	3,347	15	15,181	3	743
Texas	65	2,156	21	4,627	49	26,115	2	8,573
Mountain	62	2,243	22	14,857	36	15,828	10	1,870
Montana	14	432	4	1,706	4	890	2	328
Idaho	10	202	3	392	5	1,308	1	442
Wyoming	7	118	1	75	1	1,368	2	122
Colorado	21	953	10	4,031	10	8,370	2	712
New Mexico	2	28	----	----	5	1,442	1	44
Arizona	3	136	1	225	5	949	1	166
Utah	5	374	2	333	5	1,400	----	----
Nevada	----	----	1	178	1	101	1	46
Pacific	93	5,184	59	14,857	35	28,972	13	4,698
Washington	23	1,070	12	3,428	14	6,047	5	1,721
Oregon	16	565	5	2,046	6	3,354	2	389
California	54	3,549	32	9,383	15	19,571	6	2,588
OUTLYING AREAS								
Hawaii Territory	----	----	3	1,255	2	236	----	----
Philippine Islands	7	420	1	860	----	----	----	----
Porto Rico	2	68	4	389	1	552	1	327

Source: Office of Education, Department of the Interior.

No. 127.—SCHOOLS FOR THE BLIND, THE DEAF, AND THE FEEBLE-MINDED, 1927

NOTE.—Philippine Islands has 1 school for the blind with 21 pupils and 1 State school for the deaf with 101 pupils and Porto Rico has 1 school for the blind with 28 pupils and 1 private school for the deaf with 48 pupils

State	Schools for the blind		Schools for the deaf						Institutions for the feeble-minded					
			State schools		Public day schools		Private schools		State institutions		Public day schools [1]		Private institutions	
	Schools	Pupils	Schools	Pupils	Schools	Pupils	Schools	Pupils	Schools	Inmates	Cities reporting schools	Pupils	Schools	Inmates
Continental United States	78	6,035	68	13,033	83	3,515	15	885	51	49,791	218	51,814	34	2,418
Alabama	2	146	2	342										
Arizona	1	2	1	32										
Arkansas	2	153	2	346										
California	2	152	1	193	7	383	1	30	1	321	5	1,890	1	16
Colorado	1	71	1	167					2	330	1	626	1	14
Connecticut	1	66	2	318					1	761	7	762		
Delaware									1	112				
District of Columbia			1	135							1	711		
Florida	2	71	2	214					1	415				
Georgia	1	166	2	297	1	4	1	12	1	92	1	461		
Idaho	1	21	1	68					1	349				
Illinois	2	300	1	411	4	404	1	118	2	5,672	6	2,884	2	86
Indiana	1	147	1	396	1	9			1	1,626	4	330		
Iowa	1	114	1	309	5	69			1	1,769	10	1,320	1	53
Kansas	1	130	1	249	2	25			1	593	4	202		
Kentucky	2	112	2	356					1	520	1	360	1	113
Louisiana	2	79	1	165	1	11	1	67	1	262	1	118		
Maine	1	32	1	109					1	594	1	40		
Maryland	2	114	2	219	1	82	2	58						
Massachusetts	2	309	3	433	2	109			2	3,364	21	3,667	3	145
Michigan	2	197	1	364	9	386	1	34	1	2,751	13	5,858	3	78
Minnesota	4	283	1	258	4	150			1	2,396	28	2,250	1	38
Mississippi	1	75	2	226										
Missouri	1	113	1	311	2	109	2	192	1	577	3	718	2	32
Montana			1	86					1	284	2	99		
Nebraska	1	55	1	195	1	22			1	941	2	293		
New Hampshire					1	4			1	487	1	19		
New Jersey	3	88	1	275	3	125			3	2,302	27	3,264	5	742
New Mexico	1	84												
New York	6	451	7	1,039	4	531			5	10,080	15	10,898	4	138
North Carolina	2	219	2	416					1	503	1	345		
North Dakota	1	35	1	124					1	518				
Ohio	7	478	1	478	7	286	1	97	1	2,524	15	3,548	1	36
Oklahoma	1	143	1	345			1	13	1	346				
Oregon	1	48	1	116	1	38			1	291	1	232		
Pennsylvania	3	432	4	1,051	2	137	3	183	3	4,402	18	7,446	5	274
Rhode Island			1	102					1	433	3	635		
South Carolina	2	95	2	259					1	342				
South Dakota	1	39	1	105					1	426				
Tennessee	2	236	2	292							1	105	1	22
Texas	2	339	2	629	3	51			1	241	2	102		
Utah	1	34	1	113					1	132	1	23		
Vermont			1	45					1	260				
Virginia	2	99	2	258					1	575	3	585	1	104
Washington	3	94	1	131	4	123			1	315	4	1,326		
West Virginia	1	109	1	262							1	13		
Wisconsin	3	164	1	194	18	337	1	81	2	1,529	14	724	2	525
Wyoming									1	160				

[1] Backward and subnormal pupils.

Source: Office of Education, Department of the Interior.

No. 128.—SCHOOLS FOR THE BLIND, THE DEAF, AND THE FEEBLE-MINDED: CONTINENTAL UNITED STATES

Kind of school	Number of schools			Number of teachers				Number of pupils			
	1910	1922	1927	1910	1922	1927		1910	1922	1927	
						Male	Female			Male	Female
Schools for the blind	48	63	78	531	721	220	633	4,323	4,915	3,321	2,714
Schools for the deaf, total	130	154	166	1,498	1,901	443	1,840	12,546	14,328	9,226	8,207
State	57	61	68	1,208	1,414	402	1,310	10,399	10,738	7,017	6,016
City day schools	53	74	83	189	351	19	398	1,508	2,911	1,776	1,739
Private	20	19	15	101	136	22	132	639	679	433	452
Schools for the feeble-minded and subnormal, total	41	214	303	340	1,956	316	3,177	17,570	62,214	58,966	45,055
State	25	51	51	270	492	116	464	16,678	38,761	24,355	25,436
City day schools	-------	133	218	-------	1,321	175	2,543	-------	22,067	33,214	18,600
Private	16	30	34	70	143	25	170	892	1,386	1,397	1,019

Source: 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. Data for 1928, 1929, and 1930 include Hawaii

Class of school or course	Teachers					Pupils				
	1920	1924	1928	1929	1930[1]	1920	1924	1928	1929	1930[1]
VOCATIONAL SCHOOLS										
Total, all classes	7,669	16,192	20,779	22,144	24,874	285,058	652,594	858,456	886,830	991,578
Male	4,992	9,898	13,658	15,286	17,222	163,228	349,224	492,458	538,572	603,514
Female	2,677	6,294	7,121	6,858	7,652	101,830	303,370	365,998	348,258	378,065
Evening	2,505	6,778	8,065	8,976	9,842	73,122	193,274	247,968	271,817	323,154
Part time	1,773	3,530	4,590	4,449	5,468	122,974	321,191	398,917	393,053	467,285
All day	3,331	5,766	7,824	8,352	9,245	68,902	134,873	398,017	212,038	241,183
Short-unit course	-------	118	300	367	319	-------	3,256	8,310	9,922	9,957
Agricultural	1,570	3,454	5,434	6,350	6,849	31,301	85,984	144,901	168,444	188,311
Male	1,568	3,453	5,425	6,337	6,845	29,351	81,366	139,359	161,386	180,490
Female	2	1	9	13	4	1,950	4,618	5,542	7,058	7,821
Evening	-------	591	1,007	1,652	1,878	-------	15,227	35,192	47,283	60,462
Part time	-------	55	274	194	306	-------	2,143	4,458	5,128	4,164
All day	1,570	2,690	3,853	4,137	4,346	31,301	65,358	96,941	106,111	113,728
Short-unit course	-------	118	300	367	319	-------	3,256	8,310	9,922	9,957
Trade and industrial	4,462	8,328	10,536	11,361	13,066	184,819	409,843	537,611	563,498	618,604
Male	3,408	6,412	8,192	8,916	10,328	133,872	267,814	352,643	375,628	422,575
Female	1,054	1,916	2,344	2,445	2,737	50,947	142,029	184,968	185,868	196,029
Evening	1,779	3,386	4,146	4,547	5,030	48,354	84,973	114,629	131,084	165,317
Part time, total	1,636	3,199	4,087	4,086	4,981	115,241	291,608	365,543	367,574	381,898
Trade extension	350	773	1,300	1,341	1,747	17,159	35,476	42,531	36,161	45,601
General continuation	1,286	2,426	2,787	2,745	3,234	98,082	256,133	323,012	331,413	336,297
All day	1,047	1,743	2,303	2,728	3,054	21,224	33,262	57,439	64,838	71,389
Home economics	1,637	4,410	4,809	4,433	4,960	48,938	156,787	175,944	154,890	174,684
Male	16	33	41	33	49	5	44	456	558	440
Female	1,621	4,377	4,768	4,400	4,911	48,933	156,723	175,488	154,332	174,215
Evening	786	2,801	2,912	2,777	2,934	24,768	93,074	98,147	93,450	97,375
Part time	137	276	229	169	181	7,733	27,440	28,916	20,351	21,223
All day	714	1,333	1,668	1,487	1,845	16,437	36,253	48,881	41,089	56,066
TEACHER-TRAINING COURSES										
Total, all classes	1,082	1,021	773	[2] 720	[2] 843	12,456	18,686	17,572	15,890	20,736
Male	657	602	466	[2] 411	[2] 518	6,985	11,424	9,498	8,891	12,531
Female	425	419	307	309	325	5,471	7,262	8,074	6,999	8,205
In agriculture	293	241	102	165	195	2,310	4,747	2,394	2,838	3,325
Trade and industry	359	388	289	259	334	6,150	8,320	9,330	7,985	11,205
Home economics	414	392	324	298	316	3,652	5,619	5,848	5,067	6,206
Other and not specified	16	-------	-------	-------	-------	344	-------	-------	-------	-------

[1] Figures are subject to slight corrections.

[2] Excluding duplicates.

Source: Federal Board for Vocational Education.

No. 130.—VOCATIONAL EDUCATION: PUPILS ENROLLED IN VOCATIONAL COURSES

NOTE.—Institutions federally aided are reimbursed out of Federal funds provided under the act known as the Smith-Hughes Act, or the national vocational education act of 1917, and the George-Reed Act of 1929. These acts, administered by the Federal Board for Vocational 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	Federally aided									State aided only, 1930 [1]
	Total number				1930 [1]					
	1928	1928	1929	1930 [1]	Male	Female	Agriculture	Trade and industry	Home economics	
United States [2]	835, 058	858, 456	886, 849	981, 579	603, 514	378, 065	188, 311	618, 604	174, 664	82, 654
New England	28, 753	68, 417	65, 982	66, 205	34, 974	31, 231	2, 605	45, 576	18, 024	
Maine	1, 064	1, 535	1, 572	1, 783	1, 022	761	544	508	731	
New Hampshire	507	717	560	535	535		253	282		
Vermont	423	609	660	763	566	197	217	368	178	
Massachusetts	23, 086	57, 172	54, 061	53, 382	25, 190	28, 192	835	37, 214	15, 333	
Rhode Island	930	3, 382	3, 645	3, 756	2, 283	1, 473	476	2, 015	1, 265	
Connecticut	2, 743	5, 002	5, 484	5, 986	5, 378	608	280	5, 189	517	
Middle Atlantic	78, 661	294, 664	301, 286	307, 636	173, 911	133, 625	8, 478	283, 490	15, 668	16, 994
New York	18, 185	182, 850	190, 021	195, 502	115, 321	80, 181	3, 185	192, 317		14, 122
New Jersey	8, 311	37, 405	34, 607	33, 317	20, 396	13, 421	1, 005	29, 238	3, 574	2, 872
Pennsylvania	52, 165	74, 409	76, 658	78, 217	38, 194	40, 023	4, 288	61, 935	11, 904	
East North Central	69, 293	172, 602	169, 857	198, 601	130, 281	68, 320	31, 332	123, 049	44, 220	18, 895
Ohio	10, 783	39, 953	37, 071	40, 566	27, 525	13, 041	8, 206	23, 680	8, 680	
Indiana	13, 625	19, 758	23, 343	23, 761	15, 279	8, 482	3, 382	12, 658	7, 721	1, 429
Illinois	15, 179	42, 263	42, 385	41, 209	25, 892	15, 317	6, 820	25, 201	9, 188	
Michigan	10, 889	42, 815	44, 740	48, 561	29, 477	19, 084	9, 758	28, 050	10, 753	
Wisconsin	18, 817	27, 813	22, 318	44, 504	32, 108	12, 396	3, 166	33, 460	7, 878	17, 466
West North Central	25, 143	53, 067	61, 168	78, 196	47, 311	30, 885	27, 468	28, 886	20, 842	5, 326
Minnesota	3, 466	8, 939	11, 746	13, 410	8, 373	5, 037	5, 224	4, 597	3, 589	
Iowa	4, 171	8, 487	9, 054	12, 731	10, 071	2, 660	7, 476	3, 949	1, 306	
Missouri	12, 975	14, 703	18, 535	24, 985	14, 602	10, 383	8, 015	11, 985	4, 985	
North Dakota	1, 580	2, 334	2, 413	4, 817	1, 552	3, 265	1, 184	409	3, 224	
South Dakota	420	1, 278	1, 195	1, 937	1, 138	799	786	352	799	1, 259
Nebraska	789	11, 682	11, 039	11, 882	4, 426	7, 456	2, 536	3, 353	5, 993	88
Kansas	1, 742	5, 644	7, 186	8, 434	7, 149	1, 285	2, 247	5, 241	946	3, 979
South Atlantic	15, 843	81, 679	84, 273	96, 647	69, 081	27, 566	44, 941	32, 135	19, 571	28, 413
Delaware	1, 130	2, 156	2, 068	1, 927	1, 391	536	247	1, 580	100	
Maryland	1, 430	5, 806	5, 761	5, 919	3, 623	2, 296	974	3, 375	1, 570	
Virginia	3, 152	12, 020	10, 349	15, 338	11, 758	3, 580	7, 786	4, 972	2, 580	2, 513
West Virginia	1, 546	3, 326	3, 694	4, 097	2, 995	1, 102	1, 359	1, 762	976	
North Carolina	1, 869	19, 983	20, 156	20, 105	14, 926	5, 179	10, 490	5, 887	3, 728	10, 331
South Carolina	1, 802	14, 230	15, 770	19, 622	17, 412	2, 210	12, 915	4, 854	1, 853	11, 500
Georgia	3, 756	17, 468	16, 665	23, 574	12, 884	10, 690	9, 249	6, 723	7, 602	4, 069
Florida	1, 158	6, 690	9, 810	6, 065	4, 092	1, 973	1, 921	2, 982	1, 162	
East South Central	8, 346	33, 598	39, 259	49, 150	37, 840	11, 310	29, 156	12, 181	7, 813	8, 842
Kentucky	2, 666	9, 087	8, 466	8, 319	6, 634	1, 685	4, 273	2, 501	1, 485	
Tennessee	1, 998	10, 905	12, 213	17, 446	11, 530	5, 916	8, 923	4, 875	3, 648	
Alabama	1, 838	9, 631	10, 487	11, 654	9, 591	2, 063	6, 475	3, 298	1, 881	362
Mississippi	1, 844	6, 973	8, 093	11, 731	10, 085	1, 646	9, 485	1, 447	799	3, 480
West South Central	7, 084	52, 105	51, 670	60, 842	37, 194	23, 648	28, 315	19, 866	17, 661	4, 938
Arkansas	2, 103	6, 850	8, 488	10, 591	8, 666	1, 925	8, 154	809	1, 628	4, 066
Louisiana	1, 280	8, 007	9, 806	11, 268	6, 602	4, 666	3, 387	4, 800	3, 081	
Oklahoma	883	13, 129	12, 980	17, 237	9, 536	7, 701	4, 729	6, 874	5, 634	825
Texas	2, 818	24, 119	20, 396	21, 746	12, 390	9, 356	7, 045	7, 383	7, 318	47
Mountain	16, 323	32, 923	34, 574	35, 898	23, 542	12, 356	9, 663	16, 590	9, 645	4, 246
Montana	855	1, 390	1, 418	1, 328	1, 049	279	684	365	279	634
Idaho	1, 301	2, 897	2, 372	3, 422	2, 324	1, 098	1, 283	1, 264	875	29
Wyoming	645	3, 700	3, 501	4, 179	3, 210	969	1, 055	2, 374	750	
Colorado	3, 951	11, 677	13, 650	13, 079	9, 820	3, 259	2, 580	8, 105	2, 394	35
New Mexico	751	2, 196	1, 848	2, 401	1, 510	891	744	830	821	
Arizona	2, 695	3, 159	4, 410	2, 705	1, 442	1, 263	1, 013	1, 333	359	3, 528
Utah	6, 472	7, 021	6, 482	7, 872	3, 506	4, 366	2, 082	1, 854	3, 936	20
Nevada	253	883	803	912	681	231	222	459	231	
Pacific	15, 612	67, 318	76, 887	84, 933	48, 596	36, 337	10, 937	55, 322	18, 674	
Washington	1, 408	7, 768	6, 838	8, 418	5, 741	2, 677	1, 982	5, 086	1, 350	
Oregon	3, 394	4, 177	4, 429	6, 051	3, 557	2, 494	1, 895	1, 973	2, 183	
California	10, 810	55, 373	65, 620	70, 464	39, 298	31, 166	7, 060	48, 263	15, 141	
Hawaii		2, 085	1, 893	3, 571	784	2, 787	416	509	2, 646	

[1] Figures are subject to slight corrections.
[2] Includes Hawaii in 1928, 1929, and 1930.

Source: Federal Board of Vocational Education.

No. 131.—VOCATIONAL EDUCATION: PUPILS ENROLLED IN VOCATIONAL TEACHER-TRAINING COURSES

NOTE.—Data relate only to institutions federally aided under vocational education act

Division and State	Total number					1930 [1]				
	1920	1924	1928	1929	1930 [1]	Male	Female	Agriculture	Trade and industry	Home economics
United States [2]	12,456	18,686	17,572	15,890	20,736	12,531	8,205	3,325	11,205	6,206
New England	1,228	1,375	1,152	1,158	1,695	1,100	595	161	1,026	508
Maine	82	53	91	52	59	8	51	8	----	51
New Hampshire	20	58	97	67	87	21	66	7	14	66
Vermont	73	(3)	4	----	20	20	----	5	15	(3)
Massachusetts	749	817	719	794	809	509	300	103	480	226
Rhode Island	238	286	135	136	360	204	165	38	166	165
Connecticut	66	161	106	109	351	338	13	(3)	351	(3)
Middle Atlantic	1,620	3,007	4,343	2,199	5,646	3,974	1,672	651	4,035	960
New York	1,091	1,704	1,811	----	2,486	1,818	668	386	1,852	248
New Jersey	125	167	501	605	1,173	711	462	101	718	354
Pennsylvania	404	1,136	1,941	1,594	1,987	1,445	542	164	1,465	358
East North Central	2,770	4,420	3,032	3,684	2,632	1,721	911	164	1,953	515
Ohio	1,286	794	594	1,095	689	689	----	(3)	689	----
Indiana	634	619	689	818	349	117	232	46	71	232
Illinois	385	859	1,058	895	741	297	444	70	611	60
Michigan	186	1,359	553	788	701	550	151	30	520	151
Wisconsin	279	789	138	151	152	68	84	18	62	72
West North Central	1,286	2,786	2,119	1,933	1,885	819	1,066	327	710	848
Minnesota	386	269	452	461	384	152	232	53	226	105
Iowa	181	1,424	445	416	533	201	242	41	329	163
Missouri	242	466	381	293	242	167	75	67	108	67
North Dakota	131	93	197	196	117	41	76	41	----	76
South Dakota	71	197	183	101	171	31	140	25	6	140
Nebraska	195	235	224	214	188	92	96	55	41	92
Kansas	100	102	237	257	250	45	205	45	----	205
South Atlantic	1,029	2,020	1,647	1,901	2,078	1,246	832	476	902	700
Delaware	51	45	72	69	74	53	21	17	42	15
Maryland	54	150	349	----	243	243	----	27	216	----
Virginia	269	477	522	468	568	314	254	133	186	249
West Virginia	141	204	277	406	285	213	72	36	206	43
North Carolina	205	260	254	147	288	205	83	205	----	83
South Carolina	92	186	(3)	297	169	36	133	36	(3)	133
Georgia	169	526	281	429	274	99	175	----	172	102
Florida	48	82	92	85	177	83	94	22	80	75
East South Central	755	663	1,037	1,172	1,926	1,149	777	410	953	563
Kentucky	146	236	228	131	60	29	31	20	9	31
Tennessee	31	67	191	186	397	169	228	60	220	117
Alabama	310	192	348	606	1,048	791	257	209	617	222
Mississippi	268	168	270	249	421	160	261	121	107	193
West South Central	955	1,490	1,530	1,309	2,274	943	1,331	484	568	1,222
Arkansas	161	154	62	56	93	37	56	37	----	56
Louisiana	203	145	134	334	167	71	96	67	49	51
Oklahoma	141	531	318	216	1,125	297	828	142	158	825
Texas	450	660	1,016	703	889	538	351	238	361	290
Mountain	936	1,768	1,122	1,181	1,613	948	665	452	536	625
Montana	81	134	61	55	76	43	33	29	14	33
Idaho	64	80	133	177	118	73	45	50	29	39
Wyoming	24	122	134	118	122	95	27	55	40	27
Colorado	330	908	472	631	964	623	341	222	432	310
New Mexico	206	(3)	14	4	24	19	5	19	(3)	5
Arizona	24	25	108	66	21	3	18	3	(4)	18
Utah	203	469	160	91	244	63	181	66	(3)	178
Nevada	4	30	40	39	44	29	15	8	21	15
Pacific	1,877	1,157	1,331	1,199	894	576	318	159	508	227
Washington	130	55	284	151	(3)	(3)	(3)	(3)	(3)	(3)
Oregon	127	215	241	323	293	166	127	49	129	115
California	1,620	887	806	725	601	410	191	110	379	[5] 112
Hawaii	----	----	59	86	93	55	38	41	14	38

[1] Figures are subject to slight corrections.
[2] Includes Hawaii in 1928, 1929, and 1930.
[3] No report.
[4] Itinerant improvement teachers in service.
[5] Includes 50 experienced home makers.

Source: Federal Board for Vocational Education.

No. 132.—VOCATIONAL EDUCATION: EXPENDITURES UNDER THE VOCATIONAL EDUCATION ACT, FOR YEARS ENDED JUNE 30

EXPENDITURES FOR ALL SCHOOLS, EXCEPT TEACHER TRAINING

Classification of expenditure	1920	1924	1926	1928	1929	1930 [1]
	Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Total	6,888,500	16,551,548	20,952,690	23,950,702	26,038,511	27,412,136
From Federal money	1,745,298	3,817,954	5,560,290	5,791,067	5,852,371	6,361,380
From State money	2,008,306	4,226,669	5,173,761	5,992,020	6,397,471	7,172,501
From local money	3,134,895	8,506,926	10,218,639	11,567,615	12,818,969	13,878,255
Agricultural schools	2,437,285	5,251,144	7,164,460	7,608,914	8,418,981	8,749,073
From Federal money	889,886	1,896,406	2,656,886	2,844,464	2,903,960	3,173,624
From State money	673,824	1,204,644	1,571,427	1,539,662	1,703,949	1,792,937
From local money	868,575	2,150,094	2,936,147	3,224,788	3,811,072	3,782,512
Trade or industrial schools	2,408,919	5,064,656	6,194,107	7,193,998	7,578,751	8,807,854
From Federal money	509,385	1,042,217	1,512,544	1,599,063	1,607,680	1,718,845
From State money	786,568	1,350,968	1,580,116	2,009,178	2,024,440	2,538,825
From local money	1,112,966	2,662,470	3,101,447	3,585,757	3,946,631	4,550,184
Home economics schools	1,054,489	2,742,396	3,137,394	3,721,132	3,903,119	4,390,350
From Federal money	155,708	331,020	499,631	492,158	481,193	678,226
From State money	329,634	740,318	810,626	1,073,784	1,125,456	1,286,530
From local money	569,087	1,671,051	1,827,137	2,155,190	2,296,470	2,425,594
Part-time general continuation schools	987,807	3,493,353	4,456,729	4,826,658	5,167,960	5,464,859
From Federal money	190,259	548,304	891,229	855,382	859,538	790,685
From State money	213,280	921,739	1,211,592	1,369,396	1,543,626	1,564,209
From local money	584,268	2,023,311	2,353,908	2,601,880	2,764,796	3,119,965

EXPENDITURES FOR TEACHER-TRAINING INSTITUTIONS

Total	1,646,663	2,291,251	2,229,010	2,358,931	2,396,572	2,447,161
From Federal money	731,204	1,013,926	988,367	1,030,323	1,026,160	1,042,844
From State money	661,979	948,567	975,321	1,030,890	1,065,464	1,060,648
From local money	253,480	328,758	265,322	297,708	304,948	343,669
Training teachers of agriculture	556,580	756,354	797,143	811,765	802,611	820,754
From Federal money	250,835	342,358	340,112	352,216	343,509	352,636
From State money	232,013	313,981	354,833	359,091	366,178	359,203
From local money	73,732	100,015	96,198	100,458	92,924	108,915
Training teachers of trade or industrial subjects	490,655	716,232	706,217	743,109	748,291	770,252
From Federal money	226,765	322,814	326,255	337,891	337,146	342,345
From State money	210,199	319,779	322,664	349,499	348,687	348,343
From local money	53,691	73,641	57,298	55,719	62,458	79,564
Training teachers of home economics	599,428	818,663	725,650	804,047	845,670	856,155
From Federal money	253,604	348,754	316,000	340,216	345,505	347,863
From State money	219,767	314,807	297,824	322,300	350,599	353,102
From local money	126,057	155,102	111,826	141,531	149,566	155,190

TOTAL EXPENDITURES FROM FEDERAL MONEY, BY STATES

State	1920	1929	1930 [1]	State	1920	1929	1930 [1]
	Dollars	*Dollars*	*Dollars*		*Dollars*	*Dollars*	*Dollars*
Total	2,476,503	6,878,529	7,404,223	Nebraska	33,292	84,561	88,360
				Nevada	13,849	22,622	24,993
Alabama	54,672	151,306	170,491	New Hampshire	10,913	26,778	28,107
Arizona	18,146	32,643	34,310	New Jersey	63,548	203,727	206,848
Arkansas	43,615	117,765	133,793	New Mexico	19,144	30,430	35,339
California	70,477	225,619	236,129	New York	191,061	671,215	680,031
Colorado	23,001	63,579	68,038	North Carolina	45,185	170,543	192,201
Connecticut	39,028	76,582	78,486	North Dakota	20,211	52,243	57,605
Delaware	17,612	26,284	27,377	Ohio	131,378	373,382	399,615
Florida	24,187	62,715	67,611	Oklahoma	39,361	137,051	150,829
Georgia	69,412	194,569	216,311	Oregon	24,671	54,674	58,381
Idaho	20,181	36,184	38,975	Pennsylvania	196,604	531,808	567,658
Illinois	159,908	409,036	424,459	Rhode Island	20,728	49,426	50,210
Indiana	74,206	194,897	208,760	South Carolina	44,252	112,669	126,656
Iowa	54,940	153,705	173,097	South Dakota	10,872	42,231	44,212
Kansas	35,596	89,808	108,912	Tennessee	45,477	156,074	175,453
Kentucky	51,413	147,536	165,889	Texas	90,740	306,566	339,279
Louisana	43,390	119,076	128,456	Utah	19,962	34,881	37,718
Maine	19,672	39,129	44,470	Vermont	17,602	29,953	35,827
Maryland	25,664	81,272	85,304	Virginia	62,751	154,003	171,237
Massachusetts	100,881	249,157	241,466	Washington	34,947	87,137	95,874
Michigan	82,749	240,160	254,335	West Virginia	28,509	76,756	91,180
Minnesota	65,322	155,192	173,166	Wisconsin	60,966	175,209	188,283
Mississippi	49,393	120,871	138,074	Wyoming	13,383	26,694	28,487
Missouri	74,626	212,651	240,648				
Montana	18,990	35,528	39,999	Hawaii		28,742	30,689

[1] Figures are subject to slight corrections.

Source: Federal Board for Vocational Education.

No. 133.—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 coopera tion with the States for the vocational rehabilitation of persons disabled in industry or otherwise. By the end of the fiscal year 1930 all but 4 States had accepted the provisions and begun cooperation with the Federal Government although 2 had not begun actual service to disabled persons. The figures shown relate only to cases aided by Federal funds. The total expenditure in 1930 (fiscal year) comprised: Federal funds, $735,362; State and private funds, $950,560

State	Number rehabilitated						Live cases on roll June 30					
	1923	1924	1926	1928	1929	1930	1923	1924	1926	1928	1929	1930[1]
Total	1,890	5,594	5,604	5,012	4,645	4,612	8,147	13,044	13,606	16,393	16,787	[2] 20,394
Alabama	11	113	132	129	120	170	152	383	608	1,124	1,182	1,082
Arizona	------	10	12	41	43	30	------	17	18	40	24	55
Arkansas	------	3	19	26	30	45	------	6	162	320	355	431
California	32	275	227	207	244	257	506	424	630	738	629	606
Colorado	------	------	------	7	32	9	------	------	2	44	54	86
Florida	------	------	------	------	17	22	------	------	------	204	308	351
Georgia	10	65	51	86	85	114	118	267	287	403	389	454
Idaho	4	35	29	26	25	15	81	75	54	66	49	102
Illinois	7	319	472	469	289	283	144	859	729	600	735	[3] 810
Indiana	61	123	184	99	145	140	321	261	472	151	535	628
Iowa	8	101	79	61	76	71	72	741	532	293	232	200
Kentucky	------	268	50	60	118	146	------	48	244	422	431	608
Louisiana	31	13	56	71	51	35	43	56	79	191	221	271
Maine	12	15	19	11	21	23	71	74	112	156	152	139
Maryland	------	------	------	------	------	5	------	------	------	------	------	74
Massachusetts	4	90	102	129	143	132	170	209	310	287	266	361
Michigan	34	286	321	305	313	283	398	746	1,027	801	728	876
Minnesota	119	210	212	157	130	149	432	420	309	334	347	400
Mississippi	27	177	232	142	211	139	554	744	515	679	815	809
Missouri	50	69	14	------	------	------	146	129	[4]	------	------	------
Montana	9	36	17	15	16	18	127	174	91	74	81	97
Nebraska	1	61	72	46	42	53	106	139	146	139	154	144
Nevada	11	8	14	7	9	10	19	37	30	22	15	12
New Jersey	181	942	702	594	249	243	189	131	354	717	408	1,087
New Mexico	3	4	9	10	9	14	40	40	91	62	52	73
New York	267	575	673	509	555	540	1,234	2,402	863	1,498	1,327	1,821
North Carolina	18	112	96	102	106	72	153	654	685	721	653	722
North Dakota	------	7	10	25	24	34	------	26	97	97	119	151
Ohio	258	615	551	555	456	471	832	988	872	652	743	971
Oklahoma	------	------	8	59	78	110	------	------	277	1,184	1,326	1,547
Oregon	------	26	41	41	20	18	------	70	42	76	56	54
Pennsylvania	409	415	453	435	481	398	888	800	1,302	1,302	1,603	1,719
Rhode Island	4	4	5	8	6	9	11	22	28	31	37	53
South Carolina	------	------	------	1	5	11	------	------	------	69	108	374
South Dakota	5	17	17	14	12	12	92	154	114	114	79	60
Tennessee	26	51	193	166	119	124	247	387	893	729	832	677
Texas	------	------	------	------	------	12	------	------	------	------	------	144
Utah	1	33	38	34	32	33	66	60	70	73	83	102
Virginia	35	120	88	75	21	38	78	119	258	314	528	803
West Virginia	109	146	171	114	101	103	347	615	364	249	291	289
Wisconsin	138	235	227	174	190	193	487	754	909	899	839	1,006
Wyoming	2	15	8	2	4	28	23	13	30	158	21	139

[1] Figures are subject to slight corrections.
[2] Includes 96 applications pending. The status of the other 20,298 cases on June 30, 1930, was as follows: Eligible but not in process of rehabilitation, 6,663; in process of rehabilitation but not in training, 6,512; in school training 5,186; in employment training, 757; being followed up after placement, 1,180.
[3] Includes 96 applications pending.
[4] Live roll not reported after June 30, 1925. Closed, lack of State appropriation.

Source: Federal Board for Vocational Education.

6. PUBLIC LANDS AND NATIONAL PARKS

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. 134.—ACREAGE OF ENTRIES AND PATENTS OF PUBLIC LAND

Class	1929 [1]			1930 [1]		
	Original entries	Perfected entries	Patented [2]	Original entries	Perfected entries	Patented [2]
Total	4,478,489	1,834,991	2,494,647	5,234,258	1,475,682	1,892,475
Homesteads	4,178,495	1,700,950	1,897,190	4,723,172	1,371,073	1,436,859
Section 2289, *Revised Statutes* [3]	298,864	147,153	206,560	283,266	112,835	157,933
June 17, 1902 (reclamation)	6,244	17,445	13,489	4,095	17,928	18,665
Apr. 28, 1904 (Kinkaid)	4,747	1,920	1,480	3,387	5,453	262
June 11, 1906 (forest)	9,032	13,615	17,000	6,953	9,892	10,742
Feb. 19, 1909 (enlarged)	375,842	237,158	305,368	453,538	152,272	101,895
June 9, 1916 (O. & C. land grant)	18,039	13,042		18,122	13,469	
Dec. 29, 1916 (stock raising)	3,465,727	1,270,617	1,350,385	3,953,811	1,059,224	1,057,262
Indian			2,908			110
Timber and stone		12,894	11,709		11,049	8,738
Coal land					80	
Desert land	28,347	39,960	49,957	31,791	20,941	25,050
Mineral land		21,071	46,931		22,821	42,258
Public auction		32,484	29,653		21,456	50,597
State selection	238,023			281,443		
Railroad selection	15,242		230,107	73,363		62,694
Miscellaneous	18,382	27,632	229,101	119,489	22,202	266,278

[1] Year ended June 30. [2] Includes Indian lands. [3] Original act.

No. 135.—ORIGINAL ENTRIES OF PUBLIC AND INDIAN LAND: ACREAGE UNDER ALL ACTS, YEARS ENDED JUNE 30

Item and State	1911–1915, total	1916–1920, total	1921–1925, total	1926–1930, total	1928	1929	1930
Total	88,087,350	73,192,350	40,619,290	20,611,977	3,726,421	4,612,722	5,434,550
Public land	78,608,382	68,663,397	39,508,619	19,915,866	3,614,518	4,478,489	5,234,258
Indian land	4,338,968	4,529,453	1,110,670	696,111	111,903	134,233	200,292
All homesteads	66,553,270	61,312,782	36,188,601	19,072,070	3,478,219	4,312,424	4,920,342
Stock-raising homesteads		[1] 14,024,083	26,752,562	15,357,627	2,751,213	3,567,010	4,125,120
Other entries	16,484,080	11,880,068	4,436,689	1,539,907	248,202	300,298	513,708
Alabama	261,020	80,228	34,320	[2] 9,770			
Alaska	46,006	99,153	51,332	34,552	5,402	7,763	8,687
Arizona	2,983,329	6,894,068	3,466,675	1,907,087	372,659	536,272	602,875
Arkansas	906,135	612,668	215,396	125,143	23,833	21,309	20,014
California	4,754,715	3,117,582	2,621,522	1,796,051	388,974	331,681	397,858
Colorado	9,183,877	10,108,447	5,084,809	2,071,887	345,925	421,013	520,705
Florida	561,440	188,097	171,867	88,010	9,699	7,089	5,851
Idaho	5,173,996	3,971,195	2,682,582	971,117	140,468	188,513	196,162
Kansas	373,343	436,717	46,015				
Louisiana	92,634	67,005	21,702	[2] 5,732			
Michigan	79,031	41,020	21,804				
Minnesota	1,450,591	733,983	192,433	55,817	15,404	7,193	6,103
Mississippi	120,674	68,203	22,758				
Missouri	51,108	4,789	160				
Montana	22,638,090	14,785,405	4,903,929	2,071,313	393,860	432,733	523,313
Nebraska	5,307,451	494,289	128,302	63,267	19,373	13,501	9,941
Nevada	1,231,945	905,132	465,749	356,179	65,761	51,885	78,044
New Mexico	9,889,348	9,381,322	7,140,706	4,109,618	697,619	1,004,218	1,361,529
North Dakota	2,286,245	937,821	136,312	64,761	13,006	7,791	13,596
Oklahoma	412,645	192,220	87,242	[2] 25,871			
Oregon	3,598,122	2,688,515	2,140,987	808,332	138,373	160,532	142,442
South Dakota	3,577,067	4,158,533	1,889,637	327,119	66,174	64,124	67,903
Utah	2,069,805	1,698,720	1,033,787	1,388,576	213,082	307,074	253,012
Washington	1,840,663	1,229,018	842,992	173,686	22,847	14,770	89,397
Wisconsin	63,916	21,033	10,712				
Wyoming	4,023,211	10,182,685	7,704,901	4,121,206	767,704	1,025,790	1,123,678
General Land Office	40		[3] 660	37,483	5,768	9,471	13,430

[1] 1918–1920 only. [2] 1926 and 1927 only. [3] Includes entries made at discontinued offices.

Source of Tables 134 and 135: General Land Office, Department of the Interior.

No. 136.—HOMESTEADS: Acreage of Entries of Public Land, Years Ended June 30

Item and State	All homesteads							Stock raising only, 1930
	1911–1915, total	1916–1920, total	1921–1925, total	1926–1930, total	1928	1929	1930	
Original entries, total	62, 214, 302	56, 783, 329	35, 079, 617	19, 380, 143	3, 386, 818	4, 178, 495	4, 723, 172	3, 953, 311
Alabama	249, 902	79, 409	34, 139	[1] 9, 770				
Alaska	25, 342	115, 138	51, 012	33, 549	5, 402	6, 897	8, 087	
Arizona	1, 660, 665	1, 153, 864	1, 452, 551	[2] 1, 727, 167	302, 364	505, 002	572, 807	303, 480
Arkansas	949, 384	612, 668	215, 172	125, 002	23, 333	21, 309	19, 873	
California	2, 192, 577	2, 477, 967	2, 201, 327	1, 608, 383	331, 099	310, 758	358, 129	221, 597
Colorado	7, 740, 338	9, 166, 561	4, 368, 182	1, 528, 449	265, 890	321, 301	355, 373	312, 963
Florida	544, 376	187, 187	168, 086	86, 305	9, 603	7, 084	4, 836	
Idaho	4, 160, 456	3, 285, 340	1, 842, 656	927, 604	157, 599	176, 497	191, 265	179, 459
Kansas	355, 466	436, 088	46, 016					
Louisiana	85, 684	65, 117	14, 746	[1] 5, 732				
Michigan	76, 741	41, 020	21, 804					
Minnesota	392, 598	96, 656	47, 147	43, 410	15, 140	4, 817	1, 335	
Mississippi	119, 313	63, 203	22, 758					
Missouri	33, 605	4, 180	160					
Montana	19, 078, 269	12, 323, 575	14, 528, 483	[2] 1, 866, 547	[2] 345, 422	[2] 366, 709	[2] 467, 847	421, 330
Nebraska	*5, 106, 548*	*494, 095*	*122, 985*	*63, 187*	*19, 373*	*13, 421*	*9, 941*	*5, 870*
Nevada	672, 613	340, 860	281, 532	214, 760	41, 834	44, 715	47, 701	37, 020
New Mexico	5, 204, 463	7, 500, 836	6, 765, 794	3, 623, 688	662, 427	851, 233	1, 121, 568	1, 013, 595
North Dakota	2, 120, 044	790, 023	128, 417	57, 256	10, 555	7, 489	11, 543	8, 072
Oklahoma	390, 896	183, 756	80, 546	[1] 25, 871				
Oregon	3, 138, 108	2, 596, 364	2, 118, 054	727, 910	135, 565	153, 097	140, 044	110, 803
South Dakota	2, 204, 050	2, 861, 849	1, 177, 594	276, 295	55, 134	55, 013	55, 440	52, 446
Utah	1, 587, 780	1, 305, 605	1, 456, 411	[2] 1, 260, 956	[2] 202, 200	[2] 294, 271	236, 579	213, 602
Washington	1, 124, 407	603, 091	288, 671	70, 088	13, 411	7, 651	13, 891	8, 409
Wisconsin	62, 629	19, 485	10, 071					
Wyoming	2, 928, 357	9, 976, 381	7, 634, 649	4, 064, 145	763, 297	1, 021, 766	1, 096, 301	1, 061, 763
General Land Office	40		[3] 660	34, 063	5, 768	9, 467	10, 014	3, 402
Original entries, stock-raising homesteads (incl. above)		13, 721, 422	26, 260, 485	14, 328, 604	2, 667, 392	3, 465, 727	3, 953, 311	

PERFECTED HOMESTEAD ENTRIES, ENTIRE UNITED STATES

Period or year [5]	All homesteads	Year	All homesteads	Year	All homesteads	Year	All homesteads	Stock-raising
1868–1870	1, 379, 116	1889	3, 681, 709	1904	3, 232, 717	1919	6, 524, 760	90, 000
1871–1875	6, 215, 783	1890	4, 060, 593	1905	3, 419, 387	1920	8, 372, 696	622, 610
1876–1880	11, 670, 439	1891	3, 954, 588	1906	3, 526, 749	1921	7, 726, 740	1, 755, 099
1881–1885	12, 630, 328	1892	3, 259, 897	1907	3, 740, 568	1922	7, 307, 034	2, 399, 384
1886–1890	15, 330, 272	1893	3, 477, 232	1908	4, 242, 711	1923	5, 594, 259	2, 627, 065
1891–1895	18, 602, 473	1894	2, 920, 947	1909	3, 609, 467	1924	4, 791, 436	2, 822, 211
1896–1900	15, 275, 648	1895	2, 080, 809	1910	3, 795, 803	1925	4, 048, 911	2, 753, 924
1901–1905	10, 812, 937	1896	2, 790, 243	1911	4, 620, 197	1926	3, 451, 106	2, 497, 007
1906–1910	19, 005, 358	1897	2, 778, 404	1912	4, 306, 069	1927	2, 583, 627	1, 932, 096
1911–1915	35, 407, 654	1898	3, 005, 018	1913	10, 009, 285	1928	1, 815, 549	1, 384, 902
1916–1920	38, 009, 565	1899	3, 134, 140	1914	9, 291, 121	1929	1, 700, 950	1, 270, 617
1921–1925	29, 468, 380	1900	3, 477, 843	1915	7, 180, 982	1930	1, 371, 073	1, 059, 224
1926–1930	10, 922, 495	1901	5, 241, 121	1916	7, 278, 281			
1887	2, 749, 037	1902	4, 342, 748	1917	8, 497, 390	Total, 1868 to 1930	233, 630, 253	21, 214, 139
1888	3, 175, 401	1903	3, 576, 964	1918	8, 236, 438			

[1] 1926 and 1927 only.
[2] Includes entries of abandoned military reservations.
[3] Includes entries made at discontinued offices.
[4] 1918–1920 only.
[5] For periods figures are totals, not averages.

No. 137.—STOCK-RAISING HOMESTEADS: Original Entries of Public and Indian Land from Passage of Act to June 30, 1930

State	Entries	Acres	State	Entries	Acres
Total	136, 562	56, 134, 916	Nebraska	532	95, 677
			Nevada	785	420, 216
Arizona	4, 521	2, 131, 072	New Mexico	26, 084	11, 544, 696
Arkansas	4	1, 600	North Dakota	771	231, 017
California	7, 123	2, 883, 094	Oklahoma	366	71, 349
Colorado	17, 962	7, 048, 374	Oregon	7, 355	2, 952, 430
Idaho	6, 491	2, 876, 206	South Dakota	7, 313	2, 495, 761
Kansas	233	58, 506	Utah	4, 096	2, 219, 410
Michigan	5	1, 821	Washington	1, 482	471, 171
Montana	18, 154	6, 375, 451	Wyoming	33, 240	14, 250, 733

Source of Tables 136 and 137: General Land Office, Department of the Interior.

No. 138.—TIMBER AND STONE, COAL, MINERAL, AND DESERT LAND ENTRIES OF PUBLIC LAND

State	From passage of act to June 30, 1930				Year ended June 30, 1930				
	Timber and stone	Coal	Desert land		Timber and stone	Coal	Mineral	Desert land	
			Original	Perfected				Original	Perfected
Acreage of entries	13,838,564	604,449	32,756,082	8,612,144	11,048	80	22,821	31,791	20,947
Alabama	43,735	239							
Alaska							3,477		
Arizona	2,943	6,693	2,577,951	356,984			1,668	4,160	3,933
Arkansas	363,913				2,440		183		
California	2,896,985	5,535	5,178,025	886,006	470		4,665	11,584	3,103
Colorado	401,224	[1] 216,609	3,226,349	710,624	520		753	1,480	1,592
Dakota Territory		584	20,021	300					
Florida	109,155				159				
Idaho	1,016,701	3,277	3,112,544	1,032,763	2,022		3,247	1,999	4,435
Iowa	119								
Louisiana	150,277								
Michigan	149,667								
Minnesota	1,400,026				160				
Mississippi	19,818								
Montana	664,125	64,758	5,981,935	2,767,136	120		926	172	1,980
Nebraska	97								
Nevada	6,542	1,661	650,252	163,137			1,290	2,678	2,180
New Mexico	80	26,613	2,158,836	232,655			674		200
North Dakota	8,646	9,624	85,279	20,004		80			
Oklahoma	40								
Oregon	3,816,460	10,572	1,112,398	297,999	566		2,041	520	118
South Dakota	63,909	3,624	609,291	101,921					
Utah	3,196	75,828	1,505,848	457,528			3,610	5,659	2,965
Washington	2,171,503	64,894	997,954	70,865	3,494		167		
Wisconsin	80,362								
Wyoming	455,145	113,924	5,539,400	1,514,133	762		120	3,540	440
General Land Office	4,896	8			335				
Number of entries	107,795	4,417	159,358	46,762	122	1	247	200	150
Money payment, dollars	35,549,353	11,922,602	7,882,539	8,720,601	45,900	1,600	85,306	7,950	20,948

[1] Includes 58,496 acres within the Ute Reservation.

No. 139.—ACREAGE OF PUBLIC LAND CERTIFIED OR PATENTED ON ACCOUNT OF RAILWAY AND WAGON-ROAD GRANTS: YEARS ENDED JUNE 30

	1911–1915, total	1916–1920, total	1921–1925, total	1926–1930, total	1927	1928	1929	1930
Railway grants, total	4,711,489	5,878,674	6,186,079	[1] 1,124,880	117,403	84,374	230,419	[1] 78,272
Alabama	40	120		[1] 399,469	101	115	39	[1] 8,832
Arizona	337,553	1,163,775	3,451,578	188,829	19,999	4,167	120,517	34,416
Arkansas	80		227	221		80	21	120
California	649,809	319,262	1,032,815	208,604	70,332	21,463	16,526	13,564
Colorado	240	160	14,482	160				
Florida	19,975		639	1,005		120		845
Idaho	203,971	102,108	170,611					
Iowa	11	80		73				73
Kansas			40	19	19			
Louisiana	9,441	484		1,044	87	819	58	80
Michigan	55			510	357			153
Minnesota	24,823	5,744	328	5,220	317	4,379	255	220
Missouri		240	660					
Montana	2,862,095	1,704,549	251,343	2,716				2,716
Nebraska			200	436	280			
Nevada	76,394	515,222	712,564	163,700	9,527	44,606	70,031	6,866
New Mexico	70,505	1,525,406	344,121	146,482	15,552	8,406	21,688	3,792
North Dakota	53,597	623	70					
Oregon	117,678	39,372	23,986	120	80	40		
Utah	14,617	112,351	160	1,280	80		1,120	80
Washington	257,955	381,113	166,283	2,979	368			623
Wisconsin	2,041	720	1,405	1,603	244		163	566
Wyoming	10,629	7,344	14,624	320				320
Wagon-road grants	253,234	19,637	34,356	2,788	1,392	1,356		40

[1] The 1930 figure includes 8,579 acres for Muscle Shoals (river improvement); the 1926–1930 total includes in addition to this amount 390,321 acres for years prior to 1930, which were not previously reported.

Source of Tables 138 and 139: General Land Office, Department of the Interior.

No. 140.—ACREAGE OF LAND CERTIFIED OR PATENTED UNDER RAILWAY OR WAGON-ROAD GRANTS FROM 1850 TO JUNE 30, 1930

State grants, total	38,204,784
Illinois: Illinois Central	2,595,133
Mississippi, total	1,075,345
Mobile & Ohio River	737,130
Vicksburg & Meridian	199,102
Gulf & Ship Island	139,113
Alabama, total	3,146,030
Mobile & Ohio	[1] 419,528
Alabama & Florida	399,023
Selma, Rome & Dalton	458,671
Coosa & Tennessee	67,956
Mobile & Girard	302,181
Alabama & Chattanooga	654,211
South & North Alabama	445,558
Muscle Shoals (river improvement)	398,901
Florida, total	2,218,625
Florida Central & Peninsular	743,313
Florida & Alabama	166,691
Pensacola & Georgia	1,279,237
Florida, Atlantic & Gulf Central	29,384
Louisiana: Vicksburg, Shreveport & Pacific	373,137
Arkansas, total	2,502,543
St. Louis, Iron Mountain & Southern	1,325,643
Little Rock & Fort Smith	1,052,083
Memphis & Little Rock	124,817
Missouri, total	1,837,968
Southwest branch of the Pacific road	1,161,285
Hannibal & St. Joseph	611,323
St. Louis, Iron Mountain & Southern	65,360
Iowa, total	4,029,023
Burlington & Missouri River	389,990
Chicago, Rock Island & Pacific	[2] 483,214
Cedar Rapids & Missouri River	161,533 [2] 922,898 244,023
Dubuque & Sioux City	[2] 556,407
Iowa Falls & Sioux City	683,057
Des Moines Valley (river-improvement grant)	840,171
Chicago, Milwaukee & St. Paul, formerly McGregor & Missouri River	326,216
Sioux City & St. Paul	322,413
Michigan, total	3,133,741
Port Huron & Lake Michigan	37,467
Jackson, Lansing & Saginaw	743,940
Grand Rapids & Indiana	852,521
Flint & Pere Marquette	513,169
Marquette, Houghton & Ontonagon	305,930
Ontonagon & Brule River	34,227
Bay de Noquet & Marquette	128,301
Chicago & North Western	518,186
Wisconsin, total	3,652,242
Chicago, St. Paul, Minneapolis & Omaha (formerly West Wisconsin)	814,831
Wisconsin Railroad Farm Mortgage Land Co	163,160
Chicago, St. Paul, Minneapolis & Omaha (formerly St. Croix & Lake Superior)	816,488
Branch to Bayfield	471,721
Chicago & North Western	546,767
Wisconsin Central	839,276
Minnesota, total	8,045,900
St. Paul, Minneapolis & Manitoba (formerly first division, St. Paul & Pacific)	[3] 3,272,664
Western R. R. (succeeded by St. Paul & Northern Pacific R. R. Co.)	
St. Paul, Minneapolis & Manitoba (formerly St. Vincent extension of the St. Paul & Pacific)	
Minnesota Central	179,734
Winona & St. Peter	1,081,026
St. Paul & Sioux City	1,120,619
St. Paul & Duluth	801,133
Southern Minnesota, from a point on the Mississippi River to Houston	546,745
Southern Minnesota Extension (now Chicago, Milwaukee & St. Paul)	
Hastings & Dakota	377,978
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	[4]
Kansas, total	4,034,197
Leavenworth, Lawrence & Galveston	[5] 249,446
Missouri, Kansas & Texas	[5] 976,593
Atchison, Topeka & Sante Fe	2,044,788
St. Joseph & Denver City	463,369
Corporation grants, total	93,968,521
Union Pacific	11,935,601
Central Pacific	7,421,419
Central Pacific (successor by consolidation with Western Pacific)	461,408
Central branch, Union Pacific	223,140
Union Pacific (Kansas division)	6,176,384
Union Pacific (successor to Denver Pacific Railway Co.)	821,324
Burlington & Missouri River in Nebraska	2,374,091
Sioux City & Pacific (now Missouri Valley Land Co.)	42,611
Northern Pacific	39,033,711
Oregon branch of Central Pacific (California & Oregon)	3,225,170
Oregon & California	2,777,632
Atlanta & Pacific (now Santa Fe Pacific)	11,468,546
Southern Pacific (main line)	4,645,212
Southern Pacific (branch line)	2,231,620
Oregon Central	128,618
New Orleans Pacific	1,001,943
Wagon roads, total	3,296,658
From Lake Erie to Connecticut Western Reserve	80,774
From Lake Michigan to Ohio River	170,580
From Fort Wilkens, Copper Harbor, Mich., to Green Bay, Wis	302,931
From Fort Wilkens, Copper Harbor, Mich., to Wisconsin State line	221,013
Oregon Central Military Co. (now California & Oregon Land Co.)	877,984
Corvallis and Yaquina Bay	83,717
Willamette Valley and Cascade Mountain	861,512
Dalles Military Road	592,907
Coos Bay Military Road	105,240

[1] 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.

[2] Includes 35,085 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.

[3] Declared to be one grant.

[4] See Minnesota for original grants.

[5] 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. 141.—LAND GRANTS (INCLUDING SCRIP) TO STATES FOR EDUCATIONAL AND OTHER PURPOSES: ACREAGE TO JUNE 30, 1930

NOTE.—Does not include grants to States for specific railroad and wagon road companies covered by Table 140. 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	202,927,779	99,188,940	13,622,437	3,192,800	[1] 3,321,890	11,462,245	64,805,649	7,326,813
Alabama	2,258,264	911,627	286,080	95,080	181	500,000	439,636	24,660
Alaska	21,445,209	21,009,209	436,000					
Arizona	10,539,236	8,993,156	396,080	450,000	500,000			1,100,000
Arkansas	9,372,993	933,778	196,080			500,000	7,686,455	56,680
California	8,425,862	5,534,293	196,080			500,000	2,189,089	6,400
Colorado	4,433,538	3,685,618	137,680		32,000	500,000		78,240
Connecticut	180,000		180,000					
Delaware	90,000		90,000					
Florida	21,969,954	975,307	90,000	92,160		500,000	20,307,367	5,120
Georgia	270,000		270,000					
Idaho	3,532,157	2,963,698	186,080	200,000	[1] 250,000			32,379
Illinois	3,639,226	996,320	480,000	46,080		533,368	1,459,868	123,589
Indiana	4,306,253	668,573	390,000	46,080		1,916,805	1,259,191	25,600
Iowa	3,019,686	988,196	286,080			500,000	1,196,130	49,280
Kansas	3,606,783	2,907,520	143,762			500,000		55,501
Kentucky	352,509		330,000		22,509			
Louisiana	11,024,628	807,271	210,212	46,080		500,000	9,461,066	
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	8,372,277	2,874,951	212,160			500,000	4,704,293	80,873
Mississippi	4,961,261	824,213	210,000	69,120		500,000	3,346,675	1,253
Missouri	5,574,486	1,221,813	330,000	46,080		500,000	3,427,953	48,640
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	12,656,027	8,711,324	562,703	650,000	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	[1] 250,000			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	4,353,535	3,399,360	136,080			500,000	264,213	53,882
Pennsylvania	780,000		780,000					
Rhode Island	120,000		120,000					
South Carolina	180,000		180,000					
South Dakota	3,434,203	2,733,084	246,080	120,000	[1] 250,640			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	[1] 200,000			132,000
West Virginia	150,000		150,000					
Wisconsin	6,220,510	982,329	332,160			500,000	3,357,272	1,048,749
Wyoming	4,138,569	3,470,009	136,080		[2] 420,000			112,480

[1] Includes "Educational and charitable" as follows: Idaho, 150,000 acres; North Dakota, 170,000 acres; South Dakota, 170,000 acres; Washington, 200,000 acres.
[2] Includes educational, penal, etc., 290,000 acres.

Source: General Land Office, Department of the Interior.

No. 142.—ACREAGE OF PUBLIC AND INDIAN LAND PATENTED: YEARS ENDED JUNE 30

Class	1921–1925, total	1926–1930, total	1930
Total	46, 515, 448	15, 731, 063	1,892,475
Abandoned military reservation	62, 594	20, 811	346
Coal	12, 810	[1] 757	
Commuted homestead	331, 201	110, 027	13, 370
Desert land	1, 063, 845	272, 256	25, 050
Desert-land segregation	244, 350	[2] 21, 594	
Forest exchange		102, 708	14, 519
Forest homesteads	595, 396	115, 781	10, 742
Forest lieu selection	161, 840	39, 189	6, 789
Homesteads, final	5, 530, 497	1, 276, 376	141, 871
Homesteads, enlarged	14, 501, 164	2, 075, 551	191, 885
Homesteads, stock-raising	12, 199, 452	8, 709, 206	1,057,262
Indian homestead	577, 468	221, 988	110
Indian trust	2, 715, 951	1, 035, 315	173, 754
Mineral	266, 643	229, 731	42, 258
Miscellaneous cash	90, 164	72, 708	4, 265
Private land claim	137, 271	81, 003	22, 752
Public sale	473, 304	176, 534	50, 597
Railroad	6, 185, 467	724, 691	62, 694
Reclamation homesteads	143, 894	61, 843	18, 665
Small holding claim	16, 087	4, 120	74
Soldiers, additional	19, 406	11, 141	2, 691
Special acts	741, 801	121, 210	33, 742
Swamp	58, 589	88, 872	7, 790
Timber sales	[3] 34, 959	[4,5] 23, 478	(6)
Timber and stone	240, 982	84, 165	8, 738
Town lots	2, 718	3, 077	566
Town site	964	[6] 1, 382	463
Miscellaneous	105, 596	45, 486	1, 481

State	1921–1925, total	1926–1930, total	1930
Alabama	54, 118	45, 996	11, 121
Alaska	68, 415	45, 419	8, 809
Arizona	5, 084, 864	798, 358	132, 555
Arkansas	322, 674	111, 158	18, 838
California	2, 782, 158	1, 217, 337	150, 864
Colorado	5, 644, 673	1, 891, 601	197, 575
Dist. of Col		[4]	
Florida	121, 705	124, 401	9, 581
Idaho	1, 864, 173	613, 815	82, 779
Illinois	3, 331	2, 280	614
Indiana	3, 908	5, 696	1, 136
Iowa	1, 424	1, 747	40
Kansas	157, 307	15, 800	594
Louisiana	77, 737	119, 180	25, 126
Michigan	75, 943	28, 534	10, 236
Minnesota	327, 094	96, 118	7, 377
Mississippi	68, 913	68, 590	3, 461
Missouri	5, 669	3, 723	434
Montana	9, 994, 114	2, 953, 716	352, 038
Nebraska	266, 832	68, 290	10, 862
Nevada	937, 424	331, 114	35, 468
New Mexico	4, 997, 676	2, 284, 054	275, 980
North Dakota	601, 987	79, 399	9, 139
Ohio	4, 394	2, 404	251
Oklahoma	95, 371	36, 756	5, 633
Oregon	2, 085, 167	809, 853	80, 458
South Dakota	2, 307, 205	599, 466	77, 679
Utah	701, 475	595, 190	99, 331
Washington	753, 944	283, 628	21, 092
Wisconsin	22, 083	12, 965	2, 075
Wyoming	7, 083, 673	2, 484, 671	255, 329

[1] Total for years 1926 to 1928.
[2] Total for years 1926 to 1929.
[3] Total for years 1924 and 1925.
[4] Total for 1926 and 1927.
[5] There were timber sales from 7,386 acres in 1928, 13,037 acres in 1929, and 10,707 acres in 1930 of revested cut-over lands which are not included in the table.
[6] Total for years 1926, 1927, 1928, and 1930.

Source: General Land Office, Department of the Interior.

No. 143.—RECEIPTS UNDER THE MINERAL LEASING ACT OF FEBRUARY 25, 1920: FROM THE PASSAGE OF THE ACT TO JUNE 30, 1930

State	Total	1921–1925, total	1926	1927	1928	1929	1930
	Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Total	76, 371, 596	48, 016, 031	8, 384, 719	6, 669, 519	4, 677, 354	3, 884, 879	4, 739, 096
Alabama	115, 218	86, 380	920	1, 565	3, 036	8, 818	14, 500
California	18, 987, 095	13, 657, 152	1, 092, 493	1, 194, 086	1, 389, 800	644, 191	1, 009, 373
Colorado	631, 269	131, 203	94, 418	109, 047	96, 839	101, 903	97, 858
Idaho	11, 589	374	924	1, 963	2, 482	2, 996	2, 851
Louisiana	39, 068	4, 067	883	14, 216	3, 898	12, 118	3, 886
Montana	1, 692, 117	911, 791	249, 691	188, 897	119, 070	113, 188	109, 479
Nevada	6, 680	720	1, 497	1, 440	1, 463	730	830
New Mexico	234, 253	11, 339	17, 437	15, 392	25, 835	45, 273	118, 976
North Dakota	129, 150	25, 911	8, 630	7, 744	32, 740	30, 411	23, 721
South Dakota	771	291	252	19	40	40	130
Utah	428, 107	132, 017	32, 750	34, 871	58, 081	88, 887	81, 502
Washington	27, 384	17, 221	1, 699	2, 504	3, 977	452	1, 531
Wyoming	54, 068, 885	33, 037, 562	6, 883, 126	5, 097, 775	2, 940, 091	2, 835, 871	3, 274, 459

Source: General Land Office, Department of the Interior

No. 144.—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 20, Forests and Forest Products), national parks (see Table 147), withdrawals under the reclamation act, or small miscellaneous reservations

	Coal land	Oil land	Phosphate land	Potash land	Power-site reserve[1]	Reservoir sites	Public water reserve
Withdrawals outstanding June 30—							
1921	39,875,414	6,691,414	2,724,340	130,100	3,705,617	200,804	244,632
1922	34,966,492	6,680,611	2,425,494	130,100	3,684,350	202,438	255,249
1923	34,558,369	6,417,662	2,425,454	130,100	3,648,236	202,438	254,810
1924	31,951,634	5,995,939	2,390,873	130,100	3,883,141	210,422	355,232
1925	31,442,263	5,940,921	2,319,863	130,100	4,243,768	210,422	357,307
1926	31,128,509	5,802,617	2,320,023	7,548,537	4,499,621	253,008	359,506
1927	30,535,330	5,273,362	2,307,910	7,548,537	4,915,131	253,608	362,521
1928	[2]29,940,372	[2]5,275,236	[2]2,031,306	[2]7,548,216	[3]4,994,937	254,528	392,876
1929	29,883,366	5,183,096	2,005,045	9,411,939	5,079,487	254,050	405,231
1930	29,825,446	5,183,096	2,004,765	9,411,939	5,118,942	254,050	419,339
Alabama					1,789		
Alaska	206				207,877		
Arizona	139,415	356			1,226,550		21,350
Arkansas					24,101		
California	17,603	1,178,392		90,357	608,104	45,266	188,173
Colorado	4,142,233	218,997			427,088		8,193
Florida			66,796				
Idaho	4,761		391,532		430,374		15,417
Louisiana		466,990					
Michigan					1,240		
Minnesota					12,300		
Montana	7,863,941	1,350,426	279,944		181,006	9,080	9,096
Nebraska					761		
Nevada	83,673			39,422	55,192		14,846
New Mexico	5,084,069			9,282,180	263,504		9,216
North Dakota	5,954,304	84,894					
Oregon	4,361				679,000	18,603	26,962
South Dakota							240
Utah	3,573,415	1,341,264	277,344		606,820	26,040	40,231
Washington	691,801				284,027	36,327	920
Wyoming	2,260,604	641,777	989,149		107,610	118,734	84,665
New withdrawals during year ended June 30—							
1926			280	7,418,437	278,389	43,186	5,850
1927	25,996				457,466		4,275
1928					84,789	920	31,153
1929				1,863,723	105,886		13,440
1930	206				81,829		16,513
Alaska	206				9,000		
Arizona							3,460
Arkansas					517		
California					10,803		365
Colorado					907		2,125
Idaho					40,703		1,072
Montana					54		840
Nevada					39		2,200
New Mexico							880
Oregon					15,918		961
Utah							2,290
Washington					2,244		
Wyoming					1,584		2,320
Restorations of land previously withdrawn, year ended June 30—							
1926	313,754	137,004	120		22,436		3,591
1927	619,175	529,255	12,104		41,956		1,360
1928	389,531	3,960	9,596	40	5,081		798
1929	57,006	92,140	26,261		21,336	478	1,085
1930	58,126		280		42,374		2,405
Arizona					4,625		
California					2,201		480
Colorado					1,040		80
Florida			280				
Idaho					7,691		
Montana					1,073		160
Nevada					865		
New Mexico							1,685
Oregon					19,003		
Utah	58,126						
Washington					5,786		

[1] 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.
[2] Totals revised to accord with Geological Survey report.
[3] Includes 100 acres omitted in 1928.

Source: General Land Office, Department of the Interior.

No. 145.—PUBLIC LAND: ACRES UNAPPROPRIATED AND UNRESERVED, JUNE 30

State	1890	1900	1910	1920	1928	1929	1930
Total	[1] 566,216,861	[1] 557,642,120	343,971,674	200,320,128	193,847,240	190,031,722	178,979,448
Alabama	1,105,060	359,250	108,210	37,200	----	----	----
Arizona	49,699,052	50,286,986	41,491,369	18,268,909	18,199,100	16,911,367	15,180,880
Arkansas	4,902,329	3,493,444	512,705	276,595	218,911	205,933	190,969
California	53,922,718	42,467,512	24,864,884	19,585,801	20,422,083	20,209,421	16,623,488
Colorado	39,994,440	39,650,247	21,726,192	8,941,185	7,717,121	8,218,875	8,027,408
Florida	5,624,426	1,596,411	453,009	120,077	11,506	13,855	18,897
Idaho	46,957,290	43,286,694	24,743,804	8,805,112	10,764,857	10,734,420	10,617,970
Iowa	5,000	----	----	----	----	----	----
Kansas	755,791	1,196,900	137,180	4,346	----	----	----
Louisiana	1,358,853	442,224	88,911	14,240	----	----	----
Michigan	832,707	430,483	107,890	73,523	----	----	----
Minnesota	6,913,554	4,696,203	1,563,302	256,297	214,340	197,996	180,845
Mississippi	1,407,480	286,804	47,058	33,360	----	----	----
Missouri	1,151,463	337,946	2,510	18	----	----	----
Montana	64,807,627	67,963,057	36,015,943	5,973,741	7,192,318	6,900,144	6,001,677
Nebraska	11,226,584	9,798,688	1,879,486	66,844	28,623	28,960	22,628
Nevada	50,804,540	61,277,506	56,474,688	54,267,175	53,878,958	53,410,938	51,454,493
New Mexico	56,360,326	56,541,170	36,454,692	18,448,878	16,809,600	16,282,582	15,664,121
North Dakota	30,497,400	18,725,239	1,410,225	81,044	126,474	152,113	146,505
Oklahoma	[2] 3,694,693	5,733,572	5,007	7,404	----	----	----
Oregon	38,273,228	34,377,907	17,580,573	14,000,757	13,423,703	13,227,141	13,069,136
South Dakota	10,241,498	11,930,809	4,562,804	288,472	396,200	402,670	430,880
Utah	36,205,100	42,967,451	35,955,554	29,991,715	25,994,956	25,147,867	23,881,445
Washington	19,646,316	11,125,883	3,190,059	1,086,686	877,921	951,903	920,584
Wisconsin	819,320	313,565	14,460	5,154	----	----	----
Wyoming	49,010,960	48,358,109	34,575,159	19,679,595	17,510,569	17,035,537	15,929,460

[1] 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.
[2] Figures include 3,672,540 acres of unsurveyed land in public land strip.

Source: General Land Office, Department of the Interior.

No. 146.—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				
	1890	1900	1910	1920	1930	1890	1900	1910	1920[1]	1930[2]
Total	162,991	121,665	64,135	55,792	50,151	243,534	270,544	304,950	336,337	340,541
Arizona	10,318	23,673	30,242	34,195	31,881	30,749	40,189	38,475	42,400	47,072
California	772	635	567	690	774	12,108	11,431	20,976	16,241	19,197
Colorado	1,710	----	756	619	619	1,703	995	815	796	813
Florida	----	----	37	42	42	----	575	358	454	578
Idaho	3,553	2,132	760	87	90	4,251	3,557	3,988	4,048	3,890
Indian Territory	40,412	30,490	----	----	----	[3] 68,225	[3]86,265	----	----	----
Iowa	2	4	5	5	5	399	385	372	345	389
Kansas	159	44	1	----	2	1,016	1,211	1,385	1,466	1,602
Michigan	42	13	4	----	----	7,428	7,557	6,784	7,510	[4] 1,192
Minnesota	3,523	2,448	910	865	868	6,403	8,952	11,095	12,681	15,767
Montana	16,549	14,845	8,082	5,538	1,183	10,842	10,076	10,766	12,374	14,238
Nebraska	214	117	11	10	12	3,254	3,854	3,784	2,461	4,358
Nevada	1,490	1,491	1,073	1,135	1,300	8,375	8,321	6,192	5,900	4,975
New Mexico	15,629	2,606	2,889	3,278	5,524	10,998	9,480	18,837	21,530	28,113
New York	137	137	137	137	137	5,112	5,334	5,470	6,432	4,445
North Carolina	102	154	99	99	99	3,000	1,436	1,999	8,268	3,194
North Dakota	9,158	5,784	2,031	156	2	7,759	8,276	8,256	9,018	10,793
Oklahoma	20,770	10,756	4,695	5	60	13,176	13,926	[3]117,088	[3]119,256	[3]121,884
Oregon	3,242	2,031	1,995	1,860	1,756	4,507	4,063	3,477	6,629	4,518
South Dakota	18,221	14,050	4,554	568	382	19,696	19,212	20,803	23,010	23,726
Texas	----	----	----	----	5	290	290	470	702	250
Utah	6,207	3,186	280	526	532	2,211	2,115	1,697	3,057	1,591
Washington	6,321	3,646	3,790	2,655	1,330	9,830	9,827	9,625	11,114	12,572
Wisconsin	800	595	477	424	428	9,152	10,726	10,303	10,319	11,705
Wyoming	3,660	2,828	149	2,899	3,120	1,658	1,642	1,701	1,748	2,014
Miscellaneous	----	----	----	----	----	1,302	849	728	8,570	1,665

[1] Figures include 1920 census data for States in which there are no Indian agencies.
[2] Apr. 1, 1930.
[3] Figures include data for the Five Civilized Tribes, as follows: 1890, 65,200; 1900, 84,570; 1910, 101,287; 1920 and 1930, 101,506. The latter figure is according to the final rôle of Mar. 4, 1907, and includes 23,405 freedmen and 2,582 intermarried whites. It is impossible to give a reliable estimate of living members.
[4] 1927.

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

No. 147.—NATIONAL PARKS AND NATIONAL MONUMENTS

PARKS ADMINISTERED BY NATIONAL PARK SERVICE

Name	Location	When established	Area	Description
			Sq. miles	
Total area			12,432	
Hot Springs[1]	Middle Arkansas.	Apr. 20, 1832 Mar. 4, 1921	1½	46 hot springs possessing curative properties—Many hotels and boarding houses—19 bathhouses under public control.
Yellowstone[1]	Northwestern Wyoming, southwestern Montana, and northeastern Idaho.	Mar. 1, 1872 Mar. 1, 1929[3]	[2] 3,426	More geysers than in all the rest of world together—Boiling springs—Mud volcanoes—Petrified forests—Grand Canyon of the Yellowstone, remarkable for gorgeous coloring—Large lakes—Many large streams and waterfalls—Vast wilderness, greatest wild bird and animal preserve in the world—Exceptional trout fishing.
Sequoia[1]	Middle eastern California.	Sept. 25, 1890 Oct. 1, 1890 July 3, 1926[3]	604	The Big Tree National Park—Thousands of sequoia trees over 10 feet in diameter, some 20 to 30 feet in diameter—Towering mountain ranges—Startling precipices—Mount Whitney and Kern River country.
Yosemite[1]	do	Oct. 1, 1890 Feb. 7, 1905 June 11, 1906 May 28, 1928[3] Mar. 2, 1929[3] May 9, 1930[3]	1,139	Valley of world-famed beauty — Lofty cliffs—Romantic vistas—Many waterfalls of extraordinary height—3 groves of big trees—High Sierra—Waterwheel Falls—Good trout fishing.
General Grant[1]	do	Oct. 1, 1890	4	Created to preserve the celebrated General Grant Tree, 40 feet in diameter.
Mount Rainier[1]	West central Washington.	Mar. 2, 1899 May 28, 1926[3]	325	Largest accessible single peak glacier system—28 glaciers, some of large size—48 square miles of glacier, 50 to 500 feet thick—Wonderful subalpine wild-flower fields.
Crater Lake[1]	Southwestern Oregon.	May 22, 1902	249	Lake of extraordinary blue in crater of extinct volcano—Sides 1,000 feet high—Interesting lava formation—Fine fishing.
Wind Cave[1]	South Dakota.	Jan. 9, 1903	17	Cavern having many miles of galleries and numerous chambers containing peculiar formations.
Platt	Southern Oklahoma.	July 1, 1902 Apr. 21, 1904[3] June 29, 1906	1½	Many sulphur and other springs possessing medicinal value.
Sullys Hill	North Dakota.	Apr. 27, 1904	1½	Small park with woods, streams, a lake. Is an important wild-animal preserve.
Mesa Verde[1]	Southwestern Colorado.	June 29, 1906 June 30, 1913[3]	80	Most notable and best preserved prehistoric cliff dwellings in United States, if not in the world.
Glacier[1]	Northwestern Montana.	May 11, 1910	1,534	Rugged mountain region of unsurpassed alpine character—250 glacier-fed lakes of romantic beauty—60 small glaciers—Precipices thousands of feet deep—Almost sensational scenery of marked individuality—Fine trout fishing.
Rocky Mountain[1]	North middle Colorado.	Jan. 26, 1915 Feb. 14, 1917[3] June 2, 1924[3] June 9, 1926[3] June 21, 1930[3]	401	Heart of the Rockies—Snowy range, peaks 11,000 to 14,255 feet altitude—Remarkable records of glacial period.
Hawaii[1]	Hawaii	Aug. 1, 1916 May 1, 1922[3] Feb. 12, 1927[3] Apr. 11, 1928[3]	245	Three separate volcanic areas—Kilauea and Mauna Loa on Hawaii; Haleakala on Maui.
Lassen Volcanic[1]	Northern California.	Aug. 9, 1916 Apr. 26, 1928[3] May 21, 1928 Jan. 19, 1929[3] Apr. 19, 1930[3] July 3, 1930[3]	163	Only active volcano in United States proper—Lassen Peak, 10,460 feet—Cinder cone 6,907 feet—Hot Springs—Mud geysers.
Mount McKinley	South central Alaska.	Feb. 26, 1917 Jan. 30, 1922[3]	2,645	Highest mountain in North America—Rises higher above surrounding country than any other mountain in the world.
Grand Canyon[1]	North central Arizona.	Feb. 26, 1919 Feb. 5, 1927[3] Mar. 7, 1928[3]	1,009	The greatest example of erosion and the most sublime spectacle in the world.
Acadia[1]	Maine coast	Feb. 26, 1919 Jan. 19, 1929[3] May 23, 1930[3]	17	The group of granite mountains upon Mount Desert Island and also bold point on *opposite* mainland across Frenchman's Bay. Formerly called Lafayette National Park.
Zion[1]	Southwestern Utah.	Nov. 19, 1919 June 13, 1930[3]	148	Magnificent gorge (Zion Canyon), depth from 1,500 to 2,500 feet, with precipitous walls—Of great beauty and scenic interest.

[1] General information circulars on these parks may be obtained free from Department of the Interior.
[2] In Wyoming, 3,145 square miles; in Montana, 245; in Idaho, 36.
[3] Boundary changed.

No. 147.—National Parks and National Monuments—Continued

PARKS ADMINISTERED BY NATIONAL PARK SERVICE—Continued

Name	Location	When established	Area	Description
			Sq. miles	
Bryce Canyon	Southwestern Utah	June 7, 1924 Feb. 25, 1928 [3] May 12, 1928 Sept. 15, 1928 June 13, 1930	23	Box canyon filled with countless array of fantastically eroded pinnacles—Best exhibit of vivid coloring of earth's materials.
Grand Teton	Northwestern Wyoming.	Feb. 26, 1929	150	Includes spectacular Teton Mountains, a granite uplift of unusual grandeur.
Carlsbad Caverns	Southeastern New Mexico.	May 14, 1930	1	Contains stupendous caverns, not yet wholly explored, with magnificent limestone decorations.
Great Smoky Mountains (proposed).	North Carolina and Tennessee.	Aug. 28, 1930	248	Not to be developed as a national park until at least 427,000 acres have been donated to the United States, as specified in the organic act. Meanwhile the 248 square miles already in Federal ownership is being protected by the National Park Service.

MILITARY AND OTHER PARKS ADMINISTERED BY THE WAR DEPARTMENT

			Acres	
Total area			14,062	
Antietam Battle Field.	Maryland	Aug. 30, 1890	40	Scene of one of the greatest battles of the Civil War.
Chickamauga and Chattanooga.	Georgia and Tennessee.	Aug. 19, 1890 Mar. 3, 1891	6,542	Beautiful natural park; embraces battle fields of Chickamauga and Missionary Ridge and scenes of other conflicts of the Civil War fought in the vicinity of Chattanooga during 1863.
Fredericksburg and Spotsylvania.	Virginia	Feb. 14, 1927	None.	Scene of battles of Fredericksburg, Spotsylvania, Wilderness, Chancellorsville, and Salem Church at or near Fredericksburg.
Fort Donelson	Tennessee	Mar. 26, 1928	---do	Site of Civil War fort—now military cemetery.
Gettysburg [4]	Pennsylvania	Feb. 11, 1895	2,317	*Beautiful natural park; scene of Civil War* combat; probably better marked than any other battle field in the world.
Guilford Courthouse.	North Carolina.	Mar. 2, 1917	110	Near Greensboro; scene of one of the great battles of the Revolution; fought in 1781.
Moores Creek	---do	June 2, 1926	30	Scene of one of most memorable battles of Revolutionary War.
Petersburg	Virginia	July 3, 1926	185	Scene of campaign and siege and defense of Petersburg, Va., in 1864 and 1865.
Shiloh	Tennessee	Dec. 27, 1894	3,584	Natural park embracing the battle field of Shiloh near Pittsburg Landing.
Stones River	---do	Mar. 3, 1927	None.	Scene of the battle of Stones River in Tennessee.
Vicksburg	Mississippi	Feb. 21, 1899	1,324	Beautiful natural park; scene of the siege and surrender of Vicksburg in 1863 during the Civil War.

MONUMENTS ADMINISTERED BY NATIONAL PARK SERVICE

			Acres	
Total area			2,383,468	
Devils Tower	Wyoming	Sept. 24, 1906	1,153	Remarkable natural rock tower, of volcanic origin, 1,200 feet in height.
Montezuma Castle	Arizona	Dec. 8, 1906	[5] 160	Prehistoric cliff-dwelling ruin of unusual size in a niche in face of a vortical cliff. Of scenic and ethnologic interest.
El Morro	New Mexico	Dec. 8, 1906 June 18, 1917 [3]	240	Enormous sandstone rock eroded in form of a castle, upon which inscriptions have been placed by early Spanish explorers. Contains cliff-dweller ruins. Of great historic, scenic, and ethnologic interest.
Petrified Forest	Arizona	Dec. 8, 1906 July 31, 1911 [3]	25,908	Abundance of petrified coniferous trees, one of which forms a small natural bridge. *Is of great scientific interest.*
Chaco Canyon	New Mexico	Mar. 11, 1907 Jan. 10, 1928 [3]	[5] 21,512	Numerous cliff-dweller ruins, including communal houses in good condition, and but little excavated.
Muir Woods [4]	California	Jan. 9, 1908 Sept. 22, 1921	426	One of the most noted redwood groves in California, and was donated by Hon. William Kent ex-Member of Congress. Located 7 miles from San Francisco.
Pinnacles	---do	Jan. 16, 1908 May 7, 1923 [3] July 2, 1924 [3]	2,080	Many spirelike rock formations, 600 to 1,000 feet high, visible many miles; also numerous caves and other formations.

[3] Boundary changed. [4] Donated in whole or in part to the United States. [5] Estimated.

No. 147.—National Parks and National Monuments—Continued

MONUMENTS ADMINISTERED BY NATIONAL PARK SERVICE—Continued

Name	Location	When established	Area	Description
			Acres	
Natural bridges	Utah	Apr. 16, 1908 Sept. 25, 1909 Feb. 11, 1916	[5] 2,740	Three natural bridges, among largest of their kind. Largest bridge is 222 feet high, 65 feet thick at top of arch; arch is 28 feet wide; span, 261 feet; height of span, 157 feet. Other two slightly smaller.
Lewis & Clark Cavern [4]	Montana	May 11, 1908 May 16, 1911	160	Immense limestone cavern of great scientific interest, magnificently decorated with stalactite formations. Now closed to public because of depredations by vandals.
Tumacacori	Arizona	Sept. 15, 1908	10	Ruin of Franciscan mission dating from seventeenth century. Being restored by National Park Service as rapidly as funds permit.
Navajo	do	Mar. 20, 1909 Mar. 14, 1912	360	Contains numerous pueblo, or cliff-dweller ruins, in good preservation.
Shoshone Cavern	Wyoming	Sept. 21, 1909	210	Cavern of considerable extent, near Cody.
Gran Quivira	New Mexico	Nov. 1, 1909 Nov. 25, 1919 [3]	424	One of the most important of earliest Spanish mission ruins in the Southwest. Monument also contains pueblo ruins.
Sitka	Alaska	Mar. 23, 1910	57	Park of great natural beauty and historic interest as scene of massacre of Russians by Indians. Contains 16 totem poles of best native workmanship.
Rainbow Bridge	Utah	May 30, 1910	160	Unique natural bridge of great scientific interest and symmetry. Height 309 feet above water, and span is 278 feet, in shape of rainbow.
Colorado	Colorado	May 24, 1911	13,749	Many lofty monoliths, and is wonderful example of erosion, and of great scenic beauty and interest.
Dinosaur	Utah	Oct. 4, 1915	80	Deposits of fossil remains of prehistoric animal life of great scientific interest.
Capulin Mountain	New Mexico	Aug. 9, 1916	680	Cinder cone of geologically recent formation.
Verendrye	North Dakota	June 29, 1917	250	Includes Crowhigh Butte, from which Explorer Verendrye first beheld territory beyond the Missouri River.
Casa Grande	Arizona	Mar. 2, 1889 June 22, 1892 Dec. 10, 1909 Aug. 3, 1918 June 7, 1926 [3]	472	These ruins are one of the most noteworthy relics of a prehistoric age and people within the limits of the United States. Discovered in ruinous condition in 1694.
Katmai	Alaska	Sept. 24, 1918 Sept. 5, 1923	1,087,990	Wonderland of great scientific interest in the study of volcanism. Phenomena exist upon a scale of great magnitude. Includes Valley of Ten Thousand Smokes.
Scotts Bluff	Nebraska	Dec. 12, 1919 May 9, 1924 [3]	1,894	Region of historic and scientific interest. Many famous old trails, traversed by the early pioneers in the winning of the West, passed over and through this monument.
Yucca House [4]	Colorado	Dec. 19, 1919	9.6	Located on eastern slope of Sleeping Ute Mountain. Is pile of masonry of great archæological value, relic of prehistoric inhabitants.
Fossil Cycad	South Dakota	Oct. 21, 1922	320	Area containing deposits of fossil plants.
Aztec Ruins [4]	New Mexico	Jan. 24, 1923 July 2, 1928	17.4	Prehistoric ruin of pueblo type containing 500 rooms and other ruins.
Hovenweep	Utah-Colorado	Mar. 2, 1923	286	Four groups of prehistoric towers, pueblos, and cliff dwellings.
Pipe Spring	Arizona	May 31, 1923	40	Old stone fort and spring of pure water in desert region. Serves as memorial to early western pioneer life.
Craters of the Moon	Idaho	May 2, 1924 July 23, 1928 July 9, 1930	49,602	Best example of fissure lava flows; volcanic region with weird landscape effects.
Wupatki	Arizona	Dec. 9, 1924	2,234	Prehistoric dwellings of ancestors of Hopi Indians.
Glacier Bay	Alaska	Feb. 26, 1925	1,164,800	Contains tidewater glaciers of first rank.
Arches	Utah	Apr. 12, 1929	4,520	Contains extraordinary examples of wind erosion in the shape of gigantic arches, windows, and other unique formations.
George Washington birthplace	Virginia	Jan. 23, 1930	22	Site of home in which George Washington was born; to be rehabilitated and replica of the old homestead to be erected.

MONUMENTS ADMINISTERED BY THE DEPARTMENT OF AGRICULTURE

Total area			*Acres* 331,186	
Gila Cliff Dwellings	New Mexico	Nov. 16, 1907	160	Numerous cliff-dweller ruins of much interest and in good preservation.
Tonto	Arizona	Dec. 19, 1907	[5] 640	Do.

[3] Boundary changed. [4] Donated in whole or part to the United States. [5] Estimated.

No. 147.—National Parks and National Monuments—Continued

MONUMENTS ADMINISTERED BY THE DEPARTMENT OF AGRICULTURE—Contd.

Name	Location	When established	Area	Description
			Acres	
Jewel Cave	South Dakota	Feb. 7, 1908	[a] 1, 280	Cavern of limestone formation; consists of series of chambers connected by narrow passages, with numerous side galleries.
Wheeler	Colorado	Dec. 7, 1908	300	Of much geological interest as example of eccentric erosion and extinct volcanic action. Of much scenic beauty.
Mount Olympus	Washington	Mar. 2, 1909 Apr. 17, 1912 May 11, 1915	298, 730	Contains many objects of great and unusual scientific interest, including many glaciers. Is summer range and breeding ground of the Olympic elk.
Oregon Caves	*Oregon*	*July 12, 1909*	480	Caves in limestone formation of great variety and beauty. These assume odd, grotesque, and fantastic forms of considerable extent and are situated in an attractive environment.
Devils Postpile	California	July 6, 1911	800	Spectacular mass of hexagonal basaltic columns, like an immense pile of posts. Said to rank with famous Giant's Causeway in Ireland.
Walnut Canyon	Arizona	Nov. 30, 1915	960	Contains cliff dwellings of much scientific and popular interest.
Bandelier	New Mexico	Feb. 11, 1916	22, 075	Vast numbers of cliff-dweller ruins, with artificial caves, stone sculpture, and other relics of prehistoric life.
Old Kasaan	Alaska	Oct. 25, 1916	38	Abandoned Indian village in which there are numerous remarkable totem poles and other objects of historical interest.
Lehman Caves	Nevada	Jan. 24, 1922	593	Limestone caverns of much beauty and of scientific interest and importance.
Timpanogos Cave	do	Oct. 14, 1922	250	Limestone cavern almost 600 feet long.
Chiricahua	Arizona	Apr. 18, 1924	4, 480	Natural rock formations within Coronado National Forest.
Lava Beds	California	Nov. 21, 1925	45, 937	Interesting ice caves. Battleground of Modoc Indian War, 1873.
Holy Cross	Colorado	May 11, 1929	1, 392	Figure in form of Greek Cross may be seen on side of the Mount of the Holy Cross.
Sunset Crater	Arizona	May 26, 1930	3, 040	A volcanic crater with lava flows and ice caves near famous San Francisco Peaks.

MONUMENTS ADMINISTERED BY THE WAR DEPARTMENT

Total area			*Acres* 322	
Chalmette	Louisiana	May 24, 1907	17	Erected in memory of the Battle of New Orleans which was fought on Jan. 8, 1815.
Big Hole Battle Field.	Montana	June 23, 1910	5	Site of battle fought Aug. 9, 1877, between a small force of United States troops and a much larger force of Nez Perce Indians, resulting in rout for Indians.
Cabrillo	California	Oct. 14, 1913 May 12, 1926	1	Of historic interest because of discovery of the territory now partly embraced in the State of California by Juan Rodriguez Cabrillo, who at this point first sighted land on Sept. 28, 1542.
Abraham Lincoln's birthplace.	Kentucky	July 17, 1916	110	Contains the log cabin and part of the farm where Abraham Lincoln was born.
Mound City Group	Ohio	Mar. 2, 1923	57	Famous group of prehistoric mounds in Camp Sherman Military Reservation.
Fort Wood	New York	Oct. 15, 1924	2.5	Site of the Statue of Liberty.
Castle Pinckney	South Carolina	do	3.5	Fortification built in 1810 to replace a Revolutionary fort.
Fort Pulaski	Georgia	do	20	Built in 1810 to replace Fort Greene of the Revolution.
Fort Marion	Florida	do	18	Fort built by Spaniards in 1656.
Fort Matanzas	do	do	1	Relic of Spanish invasion.
Meriwether Lewis	Tennessee	Feb. 2, 1925	300	Contains grave of Captain Lewis of the Lewis and Clark expedition.
Fort Niagara	New York	Sept. 5, 1925	.0074	Commemorates erection and dedication of cross by a French Jesuit missionary on Good Friday, 1688.
Fort McHenry	Maryland	Mar. 3, 1925	47	Restored and preserved as birthplace of "Star-Spangled Banner."
White Plains Battle Field.	New York	May 18, 1926	None.	Memorial tablet to indicate the position of the Revolutionary army under the command of General Washington.
Kitty Hawk	North Carolina.	Mar. 2, 1927	do	Scene of first sustained flight by heavier-than-air machine.
Kenesaw Mountain.	Georgia	Feb. 15, 1928	60	Site of important Civil War engagement fought Feb. 27, 1864.

[a] Estimated.

Source: Annual Report of the Secretary of the Interior.

No. 148.—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, 1930. Other data are long-time averages covering periods ranging from 20 to more than 50 years. Temperatures are Fahrenheit

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
ALABAMA, MONTGOMERY													
Temperature:													
Monthly mean	48.2	51.6	57.8	65.3	73.4	79.6	81.7	80.8	76.3	66.6	55.8	49.4	65.5
Daily mean maximum	57.5	60.6	67.9	75.6	83.3	89.6	90.9	89.9	86.2	76.3	66.0	58.2	75.2
Daily mean minimum	39.8	42.3	48.3	55.2	62.9	70.1	72.3	71.7	67.4	56.1	45.9	40.6	56.0
Highest on record	80	84	90	92	99	106	107	103	106	96	85	80	107
Lowest on record	5	−5	21	30	43	48	61	58	45	31	18	8	−5
Precipitation:													
Total, inches	5.20	5.45	5.99	4.30	3.84	3.80	4.86	4.23	2.99	2.46	3.23	4.84	51.19
Days with 0.01 inch or more	11	10	10	8	9	11	12	11	8	6	7	10	113
Total snowfall, inches	0.2	0.3	(1)	(1)	0	0	0	0	0	0	(1)	0.3	0.8
Percentage of possible sunshine	52	54	60	68	69	70	63	66	66	67	63	47	62
Number of clear days	9	9	12	12	13	9	8	9	13	16	13	10	133
Hourly wind velocity, miles	6.6	6.4	7.1	6.4	5.9	5.5	5.0	4.6	5.0	5.8	6.1	5.7	5.8
ARIZONA, PHOENIX													
Temperature:													
Monthly mean	51.2	55.1	60.7	67.0	75.0	84.5	89.8	88.5	82.7	70.6	59.7	52.0	69.7
Daily mean maximum	65.0	69.1	74.1	81.8	90.0	100.9	102.7	100.9	96.7	85.9	74.5	65.4	83.9
Daily mean minimum	38.7	43.0	46.7	52.3	59.5	68.7	76.5	75.3	68.4	55.6	45.2	38.5	55.7
Highest on record	84	92	95	103	114	118	118	113	112	105	96	80	118
Lowest on record	16	24	30	35	39	49	63	58	47	36	28	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	39
Total snowfall, inches	(1)	(1)	(1)	0	0	0	0	0	0	0	(1)	(1)	(1)
Percentage of possible sunshine	75	79	81	87	92	94	82	84	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	4.0	4.5	5.0	5.3	5.4	5.1	5.1	4.6	4.4	4.2	3.9	3.9	4.6
ARKANSAS, LITTLE ROCK													
Temperature:													
Monthly mean	41.4	44.9	53.0	62.1	70.3	77.4	80.9	79.8	74.1	63.6	52.1	44.2	62.0
Daily mean maximum	49.9	53.5	62.6	72.0	79.0	86.8	90.0	89.1	83.7	73.4	61.4	52.2	71.1
Daily mean minimum	33.6	36.1	44.2	53.1	60.8	68.6	71.9	70.8	65.1	53.8	43.1	36.0	53.1
Highest on record	78	87	90	94	96	102	108	105	104	93	84	78	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	3.50	3.75	3.17	2.71	4.19	4.14	48.38
Days with 0.01 inch or more	10	9	10	10	10	10	9	9	7	7	8	9	108
Total snowfall, inches	2.4	1.3	0.5	(1)	0	0	0	0	0	(1)	0.2	1.0	5.4
Percentage of possible sunshine	47	53	57	62	65	71	71	72	71	69	57	48	62
Number of clear days	11	9	11	11	11	11	12	14	14	17	13	11	145
Hourly wind velocity, miles	9.3	9.1	9.6	9.2	8.7	7.6	7.0	6.5	6.9	7.5	8.6	8.8	8.2
CALIFORNIA, FRESNO													
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	54.3	61.4	66.0	73.6	81.3	91.2	99.0	97.3	88.9	78.2	66.4	54.7	76.0
Daily mean minimum	38.0	41.6	44.4	47.7	52.7	59.4	64.7	63.4	57.9	50.8	43.2	38.2	50.2
Highest on record	73	84	87	101	110	112	115	113	111	100	86	76	115
Lowest on record	17	24	28	34	38	42	50	51	42	36	27	23	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	7	7	7	4	2	1	0	0	1	3	4	7	43
Total snowfall, inches	0	0	0	0	0	0	0	0	0	0	0	0	0
Percentage of possible sunshine	44	63	70	82	87	94	96	96	91	86	72	49	78
Number of clear days	9	12	14	18	22	26	28	29	25	23	17	10	233
Hourly wind velocity, miles	4.4	4.9	5.7	6.8	8.0	8.4	7.5	6.9	6.0	4.8	4.1	4.1	6.0

[1] Trace.

No. 148.—Climatic Conditions, Etc.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
CALIFORNIA, LOS ANGELES													
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	64.6	65.5	67.0	69.4	71.6	76.5	81.2	82.1	80.6	76.2	72.5	66.8	73.8
Daily mean minimum	45.5	46.6	48.2	50.2	53.0	56.4	59.5	60.4	58.4	54.5	50.5	47.2	52.6
Highest on record	90	92	99	100	103	105	109	106	108	102	96	89	109
Lowest on record	28	36	39	41	41	49	54	52	50	44	37	36	28
Precipitation:													
Total, inches	3.16	3.07	2.78	1.04	0.45	0.08	0.01	0.02	0.17	0.68	1.20	2.03	15.23
Days with 0.01 inch or more	6	6	7	4	2	1	0	0	1	2	3	6	38
Total snowfall, inches	(1)	0	0	0	0	0	0	0	0	0	(1)	(1)	(1)
Percentage of possible sunshine	68	68	67	68	63	70	77	79	77	76	78	73	72
Number of clear days	15	12	12	12	11	13	16	18	17	18	18	17	179
Hourly wind velocity, miles	5.2	5.4	5.5	5.4	5.2	5.2	5.0	4.6	4.6	4.6	4.8	5.1	5.0
CALIFORNIA, SAN DIEGO													
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	62.4	62.9	63.8	65.1	66.2	69.2	72.4	73.9	73.0	70.4	68.2	64.5	67.7
Daily mean minimum	46.6	47.9	49.8	52.5	55.7	58.8	62.4	63.7	61.4	56.7	51.7	48.2	54.6
Highest on record	85	89	99	96	98	94	100	93	110	96	93	84	110
Lowest on record	25	34	35	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	6	7	7	4	3	1	1	1	1	3	4	6	44
Total snowfall, inches	0	0	0	0	0	0	0	0	0	0	0	0	0
Percentage of possible sunshine	67	67	67	68	59	62	68	72	73	72	77	73	69
Number of clear days	16	14	14	15	12	14	17	19	19	18	18	18	194
Hourly wind velocity, miles	5.3	5.9	6.3	6.5	6.5	6.2	6.0	5.9	5.8	5.5	5.2	5.2	5.9
CALIFORNIA, SAN FRANCISCO													
Temperature:													
Monthly mean	49.9	52.2	54.2	55.0	56.8	58.5	58.5	59.1	60.9	60.5	56.3	51.3	56.1
Daily mean maximum	54.9	58.3	60.4	62.0	63.1	63.9	65.0	65.1	68.1	67.5	62.5	56.2	62.2
Daily mean minimum	44.7	46.9	47.9	49.2	50.4	52.6	52.7	53.3	54.5	53.5	50.6	46.0	50.2
Highest on record	78	80	86	89	97	100	98	92	101	96	83	74	101
Lowest on record	29	33	33	40	42	46	47	46	47	45	38	34	29
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	3.05	22.02
Days with 0.01 inch or more	11	11	8	6	4	2	1	0	2	4	7	10	66
Total snowfall, inches	(1)	(1)	(1)	0	0	0	0	0	0	0	0	(1)	(1)
Percentage of possible sunshine	52	58	62	70	70	75	69	63	70	70	61	55	65
Number of clear days	11	11	13	14	15	18	15	13	16	17	13	12	168
Hourly wind velocity, miles	7.0	7.3	8.5	9.8	10.9	11.9	12.4	11.6	9.5	7.4	6.5	6.7	9.1
COLORADO, DENVER													
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	42.6	44.6	51.4	59.6	68.9	80.1	85.3	84.2	76.4	64.3	52.4	44.0	62.8
Daily mean minimum	17.8	20.6	26.9	35.2	44.1	52.9	58.8	57.7	48.7	37.7	27.4	19.7	37.3
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	0.35	0.73	14.05
Days with 0.01 inch or more	5	6	8	9	10	7	9	9	6	6	5	5	85
Total snowfall, inches	4.9	7.4	10.5	9.3	2.1	(1)	0	0	0.5	4.7	6.4	9.5	55.3
Percentage of possible sunshine	67	66	64	63	61	60	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	8.3	7.7	7.3	6.8	6.5	6.6	7.0	7.2	7.2	7.3
CONNECTICUT, HARTFORD													
Temperature:													
Monthly mean	27.8	27.2	37.2	47.5	58.4	65.8	72.6	70.2	63.7	53.2	41.8	30.8	49.7
Daily mean maximum	35.4	35.2	45.7	56.9	68.4	74.2	82.2	79.7	73.3	62.9	49.5	37.7	58.4
Daily mean minimum	20.1	19.1	28.6	38.1	48.5	57.3	63.1	60.7	54.1	43.6	34.1	23.9	40.9
Highest on record	67	69	82	90	94	98	101	100	95	90	77	67	101
Lowest on record	−12	−14	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	11	10	9	8	10	10	126
Total snowfall, inches	9.8	12.4	5.6	1.7	(1)	0	0	0	0	(1)	1.0	7.8	38.3
Percentage of possible sunshine	44	53	55	52	54	56	56	55	54	52	46	43	52
Number of clear days	9	10	11	9	10	10	9	10	11	12	8	9	118
Hourly wind velocity, miles	8.0	8.1	8.7	8.7	7.9	7.1	6.9	6.4	6.2	6.6	7.7	7.5	7.5

[1] Trace.

No. 148.—Climatic Conditions, Etc.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
DELAWARE, WILMINGTON [2]													
Temperature:													
Monthly mean	32.7	32.3	42.6	52.9	63.4	71.8	76.5	74.3	68.2	57.1	45.3	35.0	54.3
Daily mean maximum	40.0	39.5	51.2	63.1	74.2	81.8	86.1	83.6	77.2	66.3	53.3	41.7	63.2
Daily mean minimum	25.3	24.3	33.0	42.8	53.4	61.3	67.5	65.6	58.9	48.4	37.5	27.8	45.5
Highest on record	70	69	80	97	98	102	106	107	98	90	77	70	107
Lowest on record	−10	−12	6	11	31	42	49	47	33	25	11	−7	−12
Precipitation:													
Total, inches	3.46	3.28	3.54	3.42	3.57	3.84	5.06	4.64	3.45	3.08	2.82	3.67	43.83
Days with 0.01 inch or more	9	8	9	9	9	9	9	9	6	6	7	8	98
Total snowfall, inches	6.4	6.2	4.1	1.1	0	0	0	0	0	(1)	0.4	4.7	22.9
D. C., WASHINGTON													
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	41.7	43.5	52.3	63.5	74.4	82.2	86.4	83.9	78.1	66.9	54.2	44.2	64.3
Daily mean minimum	26.1	27.2	34.3	43.8	53.9	62.7	67.5	65.6	59.0	47.3	37.0	29.1	46.1
Highest on record	76	84	93	95	96	102	106	106	104	93	83	74	106
Lowest on record	−14	−15	4	15	33	43	52	49	30	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	6.8	6.2	4.0	0.6	(1)	0	0	0	0	0.1	0.8	3.2	21.7
Percentage of possible sunshine	47	54	56	58	61	63	64	61	62	62	54	48	58
Number of clear days	9	9	10	10	11	11	11	11	12	14	10	10	128
Hourly wind velocity, miles	7.0	7.7	8.5	8.0	6.4	5.6	5.2	4.8	5.1	5.7	6.5	6.7	6.4
FLORIDA, JACKSONVILLE													
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	64.4	66.6	72.0	77.4	83.3	87.9	89.8	89.3	85.5	78.2	70.8	65.0	77.5
Daily mean minimum	47.1	49.1	54.2	59.8	66.3	71.9	73.8	73.7	71.4	63.4	54.1	47.7	61.0
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	66	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	0	0	0	0	0	0	0	0	0	0	0	0	0
Percentage of possible sunshine	56	59	67	73	71	63	63	64	61	58	62	53	62
Number of clear days	10	10	13	13	12	8	8	8	9	12	12	11	126
Hourly wind velocity, miles	8.7	9.2	9.5	9.4	8.7	8.3	8.1	7.7	8.1	8.8	8.4	8.4	8.6
FLORIDA, MIAMI													
Temperature:													
Monthly mean	67.6	68.0	71.3	73.9	77.5	80.2	81.6	82.0	81.0	77.6	72.7	68.5	75.2
Daily mean maximum	74.3	74.8	76.8	79.7	82.5	85.4	86.9	87.3	86.0	82.8	77.6	75.2	80.8
Daily mean minimum	62.1	61.1	64.0	67.8	71.1	74.5	75.8	76.4	75.4	72.5	66.6	62.5	69.2
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	32	27
Precipitation:													
Total, inches	2.52	1.83	2.17	3.09	6.23	6.86	5.42	6.17	8.34	8.44	2.91	1.69	55.66
Days with 0.01 inch or more	9	6	7	7	12	13	15	15	18	16	10	7	135
Total, snowfall, inches	0	0	0	0	0	0	0	0	0	0	0	0	0
Percentage of possible sunshine	65	71	73	72	67	62	66	69	65	63	64	66	67
Number of clear days	10	11	12	10	7	5	5	6	6	7	9	10	98
Hourly wind velocity, miles	9.0	8.9	9.5	9.5	8.7	7.4	7.0	7.4	8.0	8.9	10.3	8.6	8.6
FLORIDA, TAMPA													
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	69.7	71.1	76.1	80.4	85.4	88.6	89.2	89.5	88.2	82.4	75.9	70.4	80.6
Daily mean minimum	52.1	53.5	57.9	61.9	67.5	71.9	73.6	73.8	72.2	66.1	58.2	52.8	63.5
Highest on record	83	86	92	91	94	98	96	97	96	93	88	84	98
Lowest on record	23	22	32	38	52	59	65	66	54	43	32	19	19
Precipitation:													
Total, inches	2.69	2.56	2.43	2.01	2.99	7.25	7.95	8.18	6.42	3.09	1.72	2.07	49.36
Days with 0.01 inch or more	8	7	6	5	7	14	17	17	15	8	5	7	116
Total snowfall, inches	0	0	0	0	0	0	0	0	0	0	0	0	0
Percentage of possible sunshine	59	65	70	74	73	66	62	65	65	65	65	59	66
Number of clear days	11	11	14	13	11	7	5	5	7	12	13	12	121
Hourly wind velocity, miles	6.8	7.2	7.4	7.3	6.8	6.1	5.6	5.4	6.3	7.2	6.9	6.6	6.6

[1] Trace.

[2] Data through 1929, except monthly mean temperature and precipitation, which is corrected through 1930.

No. 148.—Climatic Conditions, Etc.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
GEORGIA, ATLANTA													
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	51.1	53.9	61.8	70.3	78.5	85.0	86.8	85.7	81.5	71.3	60.3	52.2	69.9
Daily mean minimum	35.2	37.3	43.7	51.6	60.1	67.1	69.6	68.9	64.6	53.9	43.6	36.9	52.7
Highest on record	76	78	87	93	97	100	103	100	102	94	82	73	103
Lowest on record	−2	−8	8	25	38	39	58	55	43	28	14	1	−8
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	48.27
Days with 0.01 inch or more	12	11	11	10	10	11	13	12	8	7	8	11	124
Total snowfall, inches	1.0	0.9	0.2	0.1	0	0	0	0	0	(1)	0.1	0.5	2.8
Percentage of possible sunshine [2]	47	53	56	64	68	69	60	58	66	65	63	47	60
Number of clear days	10	9	12	12	11	10	8	9	13	16	13	11	134
Hourly wind velocity, miles	11.2	11.5	11.2	10.2	9.0	8.2	7.9	7.5	8.3	9.4	10.3	10.7	9.6
IDAHO, BOISE													
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	37.1	43.3	52.8	62.4	70.4	79.5	89.5	88.3	76.2	60.9	50.0	39.6	62.5
Daily mean minimum	21.6	26.7	32.8	38.4	44.8	51.1	57.6	55.3	47.2	39.0	31.0	24.4	39.2
Highest on record	62	69	83	92	100	107	113	121	103	95	85	67	121
Lowest on record	−28	−12	−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	13	11	10	8	7	6	2	2	4	6	9	11	89
Total snowfall, inches	8.2	5.3	3.0	0.8	(1)	(1)	0	0	0	0.1	1.4	5.6	24.4
Percentage of possible sunshine	37	51	59	67	72	79	87	86	78	68	50	41	65
Number of clear days	5	6	8	9	11	14	21	21	18	14	8	6	141
Hourly wind velocity, miles	4.6	5.1	5.9	6.1	5.9	5.2	4.8	4.5	4.4	4.2	4.4	4.3	5.0
ILLINOIS, CHICAGO													
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	30.3	33.1	42.2	54.5	65.8	75.4	80.2	79.2	73.3	61.9	46.8	35.0	56.5
Daily mean minimum	17.1	19.6	28.3	39.3	49.3	59.0	64.8	64.1	57.2	46.1	33.3	22.2	41.7
Highest on record	65	68	81	90	94	99	103	102	98	87	75	68	103
Lowest on record	−20	−21	−12	17	27	40	50	47	32	14	−2	−23	−23
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	12	11	9	9	9	9	10	11	124
Total snowfall, inches	9.6	8.8	5.7	1.0	(1)	(1)	0	0	(1)	0.1	1.7	6.6	33.5
Percentage of possible sunshine	45	50	54	59	64	70	73	69	64	59	47	40	58
Number of clear days	8	8	8	9	10	10	13	13	12	12	8	7	118
Hourly wind velocity, miles	11.8	11.4	12.8	12.1	10.2	9.5	8.6	8.6	9.1	9.9	11.4	11.2	10.6
INDIANA, INDIANAPOLIS													
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	52.7
Daily mean maximum	35.8	38.5	48.8	61.1	72.2	81.1	85.4	83.3	76.7	64.5	49.7	38.9	61.3
Daily mean minimum	21.1	23.1	32.2	43.2	53.4	62.5	66.5	64.4	57.6	46.3	34.6	25.4	44.2
Highest on record	*70*	*72*	*84*	*90*	*96*	*100*	*106*	*103*	*98*	*89*	*76*	*68*	*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	39.90
Days with 0.01 inch or more	13	11	13	12	13	11	10	9	9	9	11	12	133
Total snowfall, inches	6.7	5.0	3.7	0.8	0.1	0	0	0	0	0.1	1.1	4.8	22.3
Percentage of possible sunshine	43	47	49	54	60	66	71	67	67	61	50	40	56
Number of clear days	6	6	7	8	9	8	10	11	12	12	8	6	103
Hourly wind velocity, miles	11.2	11.3	11.9	11.2	9.9	8.8	8.0	7.9	8.5	9.2	10.8	10.5	9.9
IOWA, DES MOINES													
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	28.5	33.2	46.0	60.6	71.4	80.2	85.9	83.7	75.5	63.7	47.5	34.1	59.3
Daily mean minimum	11.6	15.2	27.4	40.4	51.1	60.7	65.1	63.0	55.0	43.3	29.5	17.8	40.0
Highest on record	65	78	88	92	98	102	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	4.56	4.76	3.50	3.52	3.67	2.50	1.43	1.22	32.04
Days with 0.01 inch or more	8	8	9	10	12	11	9	9	9	8	7	8	108
Total snowfall, inches	8.6	7.3	5.5	1.2	(1)	0	0	0	0	0.3	2.1	7.5	32.5
Percentage of possible sunshine	55	57	57	59	62	66	73	70	62	62	54	50	61
Number of clear days	10	8	8	8	8	8	12	13	12	13	11	9	120
Hourly wind velocity, miles	7.8	8.3	8.9	9.3	8.3	7.2	6.3	5.9	6.8	7.3	7.8	7.6	7.6

[1] Trace.
[2] Through 1929.

No. 148.—Climatic Conditions, Etc.—Continued

Stations	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
KANSAS, DODGE CITY													
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	41.2	45.8	56.2	67.1	75.2	85.0	90.2	89.2	81.6	69.3	55.8	44.4	66.8
Daily mean minimum	17.4	20.8	29.0	40.9	51.0	60.7	65.7	64.5	56.1	43.1	29.6	20.7	41.6
Highest on record	79	84	98	95	101	107	108	105	102	94	86	79	108
Lowest on record	−20	−26	−10	13	19	36	46	43	30	10	−13	−15	−26
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	11	9	8	7	5	5	4	4	75
Total snowfall, inches	3.4	5.5	4.2	1.0	(1)	0	0	0	0	0.3	1.5	3.3	19.2
Percentage of possible sunshine	67	67	67	67	66	72	76	78	76	74	71	67	71
Number of clear days	14	13	13	13	12	14	16	17	17	18	16	15	178
Hourly wind velocity, miles	11.1	11.7	12.4	13.7	12.7	11.8	10.6	10.2	11.3	11.2	11.1	10.7	11.5
KENTUCKY, LOUISVILLE													
Temperature:													
Monthly mean	34.4	37.2	45.4	56.4	66.6	74.7	78.6	77.0	70.5	59.3	46.7	37.6	57.0
Daily mean maximum	42.4	44.9	54.8	65.8	75.9	84.1	88.1	86.4	80.4	68.7	54.7	44.7	65.9
Daily mean minimum	26.8	28.6	36.9	46.7	56.4	65.2	69.0	67.3	60.7	49.1	38.2	29.3	47.8
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	11	12	12	11	11	10	9	8	8	9	11	124
Total snowfall, inches	4.6	3.9	2.2	(1)	0	0	0	0	0	0.1	0.4	3.0	14.2
Percentage of possible sunshine	43	49	53	58	63	69	72	70	68	60	52	40	59
Number of clear days	8	7	8	9	10	9	13	12	13	14	10	8	121
Hourly wind velocity, miles	9.7	10.4	10.7	9.9	8.4	7.6	6.9	6.5	7.0	7.7	9.1	9.4	8.6
LOUISIANA, NEW ORLEANS													
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	62.3	64.9	71.0	76.7	82.9	88.0	89.3	89.3	86.1	78.2	69.7	63.1	76.8
Daily mean minimum	47.0	49.4	55.3	61.3	67.7	73.7	75.4	75.5	72.8	63.9	54.4	48.1	62.0
Highest on record	82	83	90	90	96	102	102	100	99	94	89	83	102
Lowest on record	15	7	30	38	52	58	66	63	54	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	9	7	13	15	14	10	7	7	10	120
Total snowfall, inches	0.1	0.2	0	0	0	0	0	0	0	0	0	(1)	0.3
Percentage of possible sunshiue	48	50	57	60	66	60	54	54	61	64	56	46	56
Number of clear days	10	9	11	11	12	9	7	8	11	16	13	10	127
Hourly wind velocity, miles	8.3	8.7	8.7	8.4	7.2	6.3	5.9	5.8	7.0	7.4	7.9	8.2	7.5
MAINE, PORTLAND													
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	30.0	31.1	39.3	50.3	61.1	70.6	76.0	73.7	67.2	57.0	45.0	34.4	53.0
Daily mean minimum	14.8	15.5	25.1	35.3	45.4	54.0	60.0	58.5	52.0	42.2	31.2	20.8	37.9
Highest on record	65	58	79	89	94	96	103	95	96	85	72	65	103
Lowest on record	−18	−17	−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	11	134
Total snowfall, inches	19.4	20.9	12.5	4.8	(1)	0	0	0	0	(1)	4.7	12.0	74.3
Percentage of possible sunshine	54	59	59	57	57	64	64	63	62	56	48	50	58
Number of clear days	10	10	9	9	8	9	9	11	11	10	9	9	114
Hourly wind velocity, miles	8.7	9.1	9.5	9.1	8.5	7.7	7.3	6.9	7.5	8.2	8.8	8.7	8.3
MARYLAND, BALTIMORE													
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	41.1	42.5	51.0	62.1	73.2	81.5	85.9	83.3	77.2	66.3	53.8	43.8	63.5
Daily mean minimum	27.2	28.2	34.9	44.7	55.2	64.1	69.1	67.1	60.9	49.5	39.1	30.5	47.5
Highest on record	74	83	88	94	98	101	104	105	101	92	82	73	105
Lowest on record	−6	−7	5	15	34	46	55	51	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	12	11	12	11	11	11	11	11	8	8	9	11	126
Total snowfall, inches	6.7	6.5	4.5	0.9	(1)	0	0	0	0	0.1	0.6	3.8	23.1
Percentage of possible sunshine	48	57	59	60	60	63	65	62	64	63	54	49	59
Number of clear days	9	9	10	9	10	9	10	10	12	13	10	9	120
Hourly wind velocity, miles	6.7	7.2	7.7	7.6	6.7	6.3	6.0	5.7	5.8	6.2	6.4	6.5	6.6

[1] Trace.

No. 148.—Climatic Conditions, Etc.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annua
MASSACHUSETTS, BOSTON													
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	54.5	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	45.6	35.2	25.0	41.8
Highest on record	70	68	83	89	97	100	104	98	102	90	77	69	104
Lowest on record	−13	−11	−8	11	31	42	46	47	34	25	−2	−14	−14
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	11.7	12.5	7.6	2.3	(1)	0	0	0	0	(1)	1.6	8.1	43.8
Percentage of possible sunshine	49	58	57	58	59	63	64	63	62	56	48	48	57
Number of clear days	9	10	10	10	9	9	9	11	12	11	10	9	119
Hourly wind velocity, miles	11.2	11.8	12.0	11.2	10.0	9.4	8.8	8.3	9.0	10.0	11.0	11.5	10.4
MICHIGAN, DETROIT													
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	31.0	31.9	41.6	54.8	66.9	76.3	81.4	79.0	72.2	59.9	45.6	34.9	56.3
Daily mean minimum	18.1	18.2	26.5	37.5	48.5	58.3	63.5	61.6	55.4	44.6	33.1	23.4	40.7
Highest on record	60	65	81	88	96	96	101	104	97	88	71	65	104
Lowest on record	−16	−20	−7	8	28	38	48	46	30	22	0	−24	−24
Precipitation:													
Total, inches	2.07	2.18	2.40	2.46	3.21	3.56	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	11.4	10.2	7.8	2.0	0.2	0	0	0	0	0.1	2.5	9.4	43.6
Percentage of possible sunshine	36	41	48	51	58	64	68	66	61	53	29	29	50
Number of clear days	5	6	7	8	9	10	12	12	11	10	6	4	100
Hourly wind velocity, miles	12.2	12.1	12.2	11.9	10.5	9.4	9.0	8.6	9.6	10.5	12.1	12.4	10.9
MINNESOTA, ST. PAUL													
Temperature:													
Monthly mean	12.6	15.8	29.1	45.6	57.9	67.1	72.1	69.4	61.3	48.6	3.25	19.0	44.2
Daily mean, maximum	20.5	24.7	37.8	55.4	67.5	76.5	81.8	79.5	70.4	57.2	39.5	26.7	53.1
Daily mean, minimum	3.1	6.9	20.6	36.3	47.6	57.5	62.1	59.6	51.2	39.7	24.5	11.6	35.1
Highest on record	51	61	83	87	97	98	104	100	99	88	74	58	104
Lowest on record	−41	−33	−22	6	23	36	45	40	28	8	−24	−39	−41
Precipitation:													
Total, inches	0.92	0.92	1.43	2.35	3.27	4.14	3.57	3.01	3.07	2.20	1.30	1.06	27.24
Days with 0.01 inch or more	9	8	9	10	12	12	10	9	10	8	8	8	113
Total snowfall, inches	9.4	7.0	8.3	3.9	0.2	0	0	0	(1)	0.6	4.7	7.2	41.3
Percentage of possible sunshine	50	55	56	59	59	62	71	66	58	53	44	41	56
Number of clear days	9	8	9	9	9	9	12	12	11	10	7	8	113
Hourly wind velocity, miles	9.4	9.7	10.4	10.7	9.9	8.8	8.0	7.9	9.1	9.6	9.7	9.3	9.4
MISSISSIPPI, VICKSBURG													
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	56.8	60.0	67.7	74.9	81.8	88.2	90.1	89.8	85.9	76.4	66.2	58.4	74.7
Daily mean, minimum	40.2	42.7	49.5	56.4	63.4	70.1	72.4	72.1	67.2	56.8	47.3	41.6	56.6
Highest on record	82	84	88	92	97	101	102	101	104	94	86	82	104
Lowest on record	3	−1	24	31	43	52	59	54	42	31	22	10	−1
Precipitation:													
Total, inches	5.37	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	0.1	0	0	0	0	0	0	0	(1)	0.3	1.7
Percentage of possible sunshine	47	52	59	64	71	74	70	71	73	71	61	46	63
Number of clear days	9	9	11	11	12	12	10	11	14	17	13	10	139
Hourly wind velocity, miles	7.5	7.8	8.1	7.5	6.2	5.4	5.2	4.9	5.3	5.7	6.6	7.1	6.4
MISSOURI, ST. LOUIS													
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	66.1	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	47.8
Highest on record	74	84	92	93	94	102	108	106	103	91	82	75	108
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	4.9	5.6	3.8	0.6	0.1	0	0	0	0	(1)	0.9	3.3	19.2
Percentage of possible sunshine	49	50	54	58	64	67	70	68	67	64	55	46	59
Number of clear days	11	9	10	10	11	10	13	14	14	15	11	9	137
Hourly wind velocity, miles	11.1	11.2	11.9	11.5	9.9	9.0	8.7	8.4	9.3	9.4	10.9	10.8	10.2

[1] Trace.

No. 148.—Climatic Conditions, Etc.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
MONTANA, HELENA													
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	28.4	32.2	41.8	54.0	62.2	71.1	80.3	79.1	67.1	55.3	41.3	32.4	53.8
Daily mean minimum	12.1	15.0	23.4	33.3	41.0	48.2	54.2	53.1	44.1	35.4	24.4	16.9	33.4
Highest on record	63	65	73	86	95	102	103	99	92	84	71	64	103
Lowest on record	−42	−41	−20	3	22	31	36	29	6	−1	−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	10	8	9	9	11	12	8	6	7	6	7	8	101
Total snowfall, inches	10.7	8.2	9.2	6.2	2.2	(1)	0	(1)	0.9	4.2	6.9	9.0	57.5
Percentage of possible sunshine	44	52	59	61	56	63	75	72	60	55	47	42	57
Number of clear days	6	6	7	7	7	8	15	15	12	10	8	6	107
Hourly wind velocity, miles	6.5	6.8	7.7	8.1	8.0	7.8	7.4	6.9	7.1	7.0	6.6	6.4	7.2
NEBRASKA, OMAHA													
Temperature:													
Monthly mean	21.9	25.5	37.0	51.2	62.4	71.0	76.7	74.4	66.8	54.3	38.5	26.4	50.6
Daily mean maximum	30.4	34.9	47.0	61.5	71.9	81.2	86.4	84.3	76.2	64.3	48.1	35.1	60.1
Daily mean minimum	13.1	16.8	28.0	41.6	52.7	62.1	67.2	65.2	56.5	44.5	30.2	19.1	41.4
Highest on record	67	78	91	94	99	105	109	111	102	92	80	71	111
Lowest on record	−32	−26	−8	6	25	42	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	7	6	7	10	12	11	9	9	9	7	5	7	99
Total snowfall, inches	5.7	6.4	5.6	0.7	(1)	0	0	0	0	0.5	2.3	5.3	26.5
Percentage of possible sunshine	56	58	58	59	63	69	75	68	64	63	56	52	62
Number of clear days	11	9	9	9	9	10	14	13	14	14	11	10	133
Hourly wind velocity, miles	9.0	9.5	10.1	10.1	9.0	7.8	6.8	6.6	7.6	8.2	8.8	8.6	8.5
NEVADA, RENO													
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	3.33	49.8
Daily mean maximum	42.5	47.7	53.5	61.2	68.1	78.2	87.5	86.0	76.9	66.2	55.1	44.3	63.9
Daily mean minimum	20.7	24.8	28.8	33.8	40.3	46.7	52.7	51.4	44.1	35.5	28.0	22.3	35.8
Highest on record	67	76	79	88	98	100	102	102	96	87	80	69	102
Lowest on record	−19	−12	−3	14	16	28	35	35	24	16	5	−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	6	6	4	4	2	2	2	2	3	4	7	49
Total snowfall, inches	9.9	6.5	5.8	1.2	0.7	0	0	0	(1)	0.4	1.2	5.1	30.8
Percentage of possible sunshine	59	64	70	75	78	84	89	90	85	77	68	59	75
Number of clear days	12	11	12	14	15	21	25	24	21	20	14	12	201
Hourly wind velocity, miles	5.3	5.8	7.0	8.0	7.7	7.4	6.9	6.5	6.1	5.3	5.3	4.9	6.4
NEW HAMPSHIRE, CONCORD													
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	30.7	31.7	42.4	54.0	66.8	75.4	81.0	78.1	71.1	60.6	46.5	34.2	56.0
Daily mean minimum	11.9	13.0	23.2	33.4	43.3	51.9	58.3	55.6	48.0	38.3	28.9	18.2	35.3
Highest on record	62	66	82	86	98	101	102	99	93	88	75	65	102
Lowest on record	−23	−23	−9	8	26	32	42	38	26	18	4	−20	−23
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	37.51
Days with 0.01 inch or more	10	9	10	10	11	10	10	11	9	9	10	10	119
Total snowfall, inches	15.4	16.7	8.5	4.6	0.2	0	0	0	0	2.0	4.4	10.5	62.3
Percentage of possible sunshine	49	55	59	54	54	58	57	57	54	50	44	44	53
Number of clear days	12	12	15	12	12	12	12	13	12	12	9	10	143
Hourly wind velocity, miles	5.5	5.7	6.5	6.4	5.5	4.9	4.2	4.0	4.1	4.8	5.4	5.2	5.2
NEW JERSEY, ATLANTIC CITY													
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	40.4	40.2	46.3	54.8	64.6	73.4	78.4	77.9	73.3	63.8	52.8	43.6	59.1
Daily mean minimum	26.5	26.7	32.9	41.4	51.6	60.8	66.5	66.6	61.4	50.2	39.0	29.9	46.1
Highest on record	68	77	79	86	95	97	102	104	94	90	77	68	104
Lowest on record	−4	−7	8	15	33	45	52	48	37	29	10	−7	−7
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	3.94	40.66
Days with 0.01 inch or more	12	11	12	11	11	10	10	10	8	9	9	10	123
Total snowfall, inches	4.7	5.1	2.4	0.3	0	0	0	0	0	0	0.6	2.6	15.7
Percentage of possible sunshine	50	58	58	60	65	64	67	66	66	64	58	52	61
Number of clear days	9	9	10	10	10	10	11	11	12	13	11	10	126
Hourly wind velocity, miles	17.6	16.2	17.4	17.6	15.1	14.1	13.6	13.1	14.0	14.7	15.6	15.3	15.4

[1] Trace.

No. 148.—Climatic Conditions, Etc.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
NEW MEXICO, SANTA FE													
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	43.4	51.0	59.1	68.1	78.1	80.4	79.0	72.9	61.9	49.9	40.5	60.3
Daily mean minimum	19.1	22.6	28.2	35.0	43.2	52.3	56.8	55.9	49.1	38.5	28.2	20.2	37.4
Highest on record	76	75	82	84	89	92	96	97	90	85	77	65	97
Lowest on record	−13	−11	−2	11	20	33	43	40	21	13	−11	−13	−13
Precipitation:													
Total, inches	0.67	0.75	0.80	1.0	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	6	7	6	13	12	8	5	4	6	86
Total snowfall, inches	5.7	6.5	5.2	3.4	0.3	(1)	0	0	(1)	1.0	3.3	6.5	31.9
Percentage of possible sunshine	73	71	72	72	76	79	69	71	77	80	76	72	74
Number of clear days	17	13	14	14	15	16	9	11	17	20	18	17	181
Hourly wind velocity, miles	7.1	7.4	8.1	8.5	8.2	7.4	6.5	6.0	6.1	6.6	6.8	6.8	7.1
NEW YORK, BUFFALO													
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	31.2	30.8	38.9	50.0	61.7	70.1	76.5	75.5	69.8	58.2	45.4	35.2	53.6
Daily mean minimum	18.5	17.2	24.9	34.8	46.2	57.1	62.9	61.3	55.3	44.6	33.6	24.1	40.0
Highest on record	70	67	79	84	94	94	95	96	95	92	71	66	95
Lowest on record	−14	−13	−4	5	25	39	46	44	35	24	2	−9	−14
Precipitation:													
Total inches	3.30	2.95	2.57	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	16	13	13	11	11	10	11	12	15	17	165
Total snowfall, inches	19.9	17.3	9.7	3.4	0.3	0	0	0	0	0.6	5.0	17.5	74.3
Percentage of possible sunshine	29	40	48	52	58	64	67	63	59	47	31	23	48
Number of clear days	2	3	5	7	8	9	9	9	9	7	2	1	71
Hourly wind velocity, miles	17.8	16.3	15.4	14.2	12.9	11.9	11.4	11.0	12.4	14.0	16.7	17.6	14.3
NEW YORK, NEW YORK													
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	46.4	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	67	73	80	91	95	97	99	102	100	88	74	68	102
Lowest on record	−6	−7	3	12	34	44	50	51	39	29	7	−13	−13
Precipitation:													
Total, inches	3.66	3.82	3.64	3.23	3.24	3.33	4.24	4.33	3.39	3.53	2.96	3.62	42.99
Days with 0.01 inch or more	12	10	12	11	11	11	12	10	9	9	9	11	127
Total snowfall, inches	8.1	10.0	0.5	1.2	(1)	0	0	0	0	(1)	0.8	6.1	32.7
Percentage of possible sunshine	56	59	60	60	61	64	64	63	64	61	54	51	60
Number of clear days	8	8	8	8	9	8	8	9	10	11	9	8	104
Hourly wind velocity, miles	17.7	17.6	18.0	16.3	14.0	13.4	12.3	12.2	13.5	14.0	16.9	17.0	15.2
NORTH CAROLINA, ASHEVILLE													
Temperature:													
Monthly mean	38.1	39.3	47.0	54.5	62.3	69.2	72.2	71.4	66.7	55.9	45.9	38.8	55.1
Daily mean maximum	47.4	48.8	57.2	65.3	73.0	79.4	82 0	81.0	76.8	67.0	56.3	47.9	65.2
Daily mean minimum	28.9	29.7	36.8	43.6	51.6	59.1	62.4	61.9	56.7	44.8	35.5	29.7	45.1
Highest on record	75	78	87	89	91	93	96	96	95	85	76	78	96
Lowest on record	−5	−6	8	20	31	40	48	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	12	11	13	14	15	14	10	7	7	10	133
Total snowfall, inches	3.4	2.7	1.9	0.3	0	0	0	0	0	0.2	0.5	1.9	10.9
Percentage of possible sunshine	49	53	55	60	60	59	57	57	59	63	60	49	57
Number of clear days	10	10	11	11	10	8	7	8	10	15	14	11	125
Hourly wind velocity, miles	9.6	9.9	10.2	9.4	7.3	5.9	5.4	5.3	5.7	7.0	8.8	9.2	7.8
NORTH DAKOTA, BISMARCK													
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	18.0	21.5	35.0	54.6	66.1	75.2	82.2	80.7	70.5	56.9	38.7	24.7	52.0
Daily mean minimum	−2.8	0.9	14.4	31.5	42.3	52.4	57.3	54.8	44.9	33.0	18.0	5.0	29.3
Highest on record	60	64	81	90	97	107	108	105	102	91	73	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	0.80	1.52	2.32	3.35	2.24	1.82	1.23	0.94	0.57	0.57	16.34
Days with 0.01 inch or more	7	6	7	8	10	12	10	8	7	7	5	7	94
Total snowfall, inches	5.8	4.8	7.6	2.9	0.7	0	0	0	(1)	1.1	5.0	6.2	34.1
Percentage of possible sunshine	53	58	56	58	58	61	71	69	62	59	51	49	59
Number of clear days	11	11	12	12	12	11	16	17	14	13	11	11	151
Hourly wind velocity, miles	8.5	8.8	9.7	10.9	10.2	9.5	8.5	8.4	8.9	9.0	8.7	8.3	9.1

[1] Trace.

No. 148.—Climatic Conditions, Etc.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
OHIO, COLUMBUS													
Temperature:													
Monthly mean	28.6	30.7	39.1	51.2	62.3	70.9	74.9	73.0	66.5	55.2	41.9	32.4	52.2
Daily mean maximum	36.4	38.2	48.5	60.7	71.9	80.5	85.0	82.5	76.8	64.4	49.8	39.2	61.2
Daily mean minimum	21.7	22.9	31.4	41.5	52.0	60.8	64.9	62.8	56.7	45.4	34.4	25.6	43.3
Highest on record	72	72	84	90	96	99	104	103	98	90	77	67	104
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	7.9	5.8	3.4	1.1	(1)	0	0	0	0	0.1	1.5	4.2	24.0
Percentage of possible sunshine	38	42	47	56	62	67	70	67	64	58	44	33	54
Number of clear days	6	6	7	9	9	10	12	12	12	12	7	5	107
Hourly wind velocity, miles	11.4	11.8	11.8	11.5	9.9	9.0	8.2	8.0	8.6	9.5	11.1	11.1	10.2
OKLAHOMA, OKLAHOMA CITY													
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	46.8	50.5	61.4	70.7	77.4	86.4	90.9	91.5	84.6	73.0	60.2	48.6	70.2
Daily mean minimum	27.1	29.0	38.7	49.0	57.7	66.5	70.0	69.4	62.9	50.8	39.0	29.5	49.1
Highest on record	83	90	97	96	98	106	106	108	102	97	86	79	108
Lowest on record	−11	−17	4	22	33	46	55	49	35	16	9	−2	−17
Precipitation:													
Total, inches	1.19	1.11	1.98	3.29	4.88	3.67	2.86	2.89	3.05	2.86	1.87	1.50	31.15
Days with 0.01 inch or more	6	5	7	8	10	8	7	7	7	6	5	6	82
Total snowfall, inches	2.6	2.1	1.2	(1)	0	0	0	0	0	(1)	0.3	1.7	7.9
Percentage of possible sunshine	56	60	61	62	63	72	76	77	73	66	63	59	66
Number of clear days	13	12	13	12	11	14	15	17	17	17	16	14	171
Hourly wind velocity, miles	11.2	12.1	13.2	13.1	11.6	10.3	8.9	8.6	9.6	10.0	10.9	10.9	10.9
OREGON, PORTLAND													
Temperature:													
Monthly mean	39.4	42.1	46.9	51.8	56.9	62.4	66.7	66.7	61.7	54.2	46.8	41.2	53.1
Daily mean maximum	44.0	48.3	54.7	61.0	66.7	71.9	78.1	77.7	71.4	62.4	52.3	46.1	61.2
Daily mean minimum	34.9	36.2	39.7	43.6	47.9	52.6	55.3	56.1	52.1	46.8	40.7	36.6	45.2
Highest on record	62	68	83	93	99	101	104	98	97	86	73	65	104
Lowest on record	−2	7	20	28	32	39	43	43	35	30	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	19	16	17	15	13	10	3	4	8	12	17	19	153
Total snowfall, inches	5.9	3.3	0.7	(1)	(1)	0	0	0	0	0	0.5	3.7	14.1
Percentage of possible sunshine	26	33	41	48	51	56	70	66	53	43	24	23	44
Number of clear days	4	4	6	7	7	8	16	16	11	7	4	4	94
Hourly wind velocity, miles	6.5	6.5	6.4	6.2	6.0	5.8	5.9	5.4	5.4	5.2	6.1	6.5	5.9
PENNSYLVANIA, PITTSBURGH													
Temperature:													
Monthly mean	30.7	32.3	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	38.5	39.7	48.9	60.6	72.0	80.0	84.3	82.0	76.4	64.3	50.6	40.9	61.5
Daily mean minimum	23.3	23.6	31.4	41.3	51.9	60.5	64.8	62.8	57.2	45.7	35.7	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	3.03	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	16	14	15	13	13	12	12	10	9	10	12	14	150
Total snowfall, inches	9.1	7.8	5.8	2.1	(1)	0	0	0	0	0.2	1.8	6.5	33.3
Percentage of possible sunshine	31	36	46	48	57	62	64	61	62	55	40	29	49
Number of clear days	4	5	6	7	9	8	9	10	10	10	6	4	88
Hourly wind velocity, miles	12.2	12.3	12.4	11.6	9.8	9.2	8.7	8.2	8.7	9.5	11.4	11.8	10.5
RHODE ISLAND, PROVIDENCE													
Temperature:													
Monthly mean	29.1	28.1	37.1	46.7	57.2	66.1	71.9	69.7	63.3	53.5	42.5	32.2	49.8
Daily mean maximum	36.9	36.0	45.4	55.7	66.5	75.5	80.9	78.5	72.3	62.5	49.8	39.3	58.3
Daily mean minimum	21.3	20.2	28.8	37.7	47.8	56.6	62.9	60.9	54.4	44.6	34.9	25.2	41.3
Highest on record	64	69	84	88	94	96	100	97	95	87	75	68	100
Lowest on record	−9	−10	4	11	32	42	50	46	33	27	12	−12	−12
Precipitation:													
Total, inches	3.70	3.64	3.49	3.21	2.96	2.68	3.27	3.50	3.18	3.12	3.06	3.38	39.19
Days with 0.01 inch or more	12	11	12	12	12	10	10	10	9	9	10	10	127
Total snowfall, inches	8.8	9.9	5.3	1.5	(1)	0	0	0	0	(1)	0.6	5.9	32.0
Percentage of possible sunshine	49	56	60	59	60	63	63	62	61	61	53	50	58
Number of clear days	10	11	12	10	10	10	11	11	12	14	11	11	133
Hourly wind velocity, miles	12.9	12.8	13.5	13.0	11.3	10.0	9.0	8.8	9.1	10.8	11.7	12.2	11.3

[1] Trace.

No. 148.—Climatic Conditions, Etc.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
SOUTH CAROLINA, CHARLESTON													
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	57.9	59.6	65.4	72.1	79.6	85.4	87.9	87.2	83.0	74.6	65.9	59.0	73.1
Daily mean minimum	42.8	44.5	50.2	57.1	65.8	72.3	75.1	74.5	70.8	60.7	50.7	44.0	59.0
Highest on record	80	82	94	93	98	101	104	102	100	95	83	79	104
Lowest on record	10	7	24	32	45	49	63	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	10	9	9	7	9	11	13	12	10	7	7	9	113
Total snowfall, inches	(1)	0.2	(1)	0	0	0	0	0	0	0	0	0.1	0.3
Percentage of possible sunshine	57	59	64	71	71	68	64	65	67	67	69	55	65
Number of clear days	10	10	12	13	12	8	8	8	10	14	13	11	129
Hourly wind velocity, miles	10.0	10.1	10.5	10.3	10.0	9.5	9.3	9.0	9.7	10.1	9.4	9.5	9.8
SOUTH DAKOTA, HURON													
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	22.4	25.8	40.4	58.1	68.5	78.1	84.2	82.8	74.0	60.7	42.4	29.0	55.5
Daily mean minimum	1.2	4.7	19.2	33.9	44.3	54.8	59.5	57.3	47.9	35.3	20.6	8.7	32.3
Highest on record	64	70	85	94	97	103	108	108	106	94	77	65	108
Lowest on record	−43	−37	−25	5	20	31	41	33	18	−6	−28	−34	−43
Precipitation:													
Total, inches	0.50	0.54	0.91	2.24	2.98	3.71	3.16	2.46	1.57	1.28	0.50	0.57	20.65
Days with 0.01 inch or more	7	6	7	9	11	11	9	9	7	6	5	6	93
Total snowfall, inches	6.0	4.9	5.6	1.5	0.2	0	0	0	(1)	0.6	3.3	4.9	27.0
Percentage of possible sunshine	57	64	63	63	65	68	75	71	64	60	54	50	63
Number of clear days	11	10	10	10	11	11	14	14	13	13	11	10	138
Hourly wind velocity, miles	10.9	11.1	11.9	13.0	12.0	10.7	9.6	9.0	10.9	11.0	10.6	10.2	10.9
TENNESSEE, NASHVILLE													
Temperature:													
Monthly mean	38.6	41.6	49.2	59.0	68.2	75.6	79.1	77.8	71.8	61.0	49.0	41.0	59.3
Daily mean maximum	47.3	50.1	59.1	69.1	77.9	85.5	88.7	87.5	82.2	71.4	58.5	49.3	68.9
Daily mean minimum	30.7	32.5	40.2	49.3	57.7	66.2	69.6	68.1	62.0	50.2	39.9	33.0	50.0
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	3.50	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	2.5	2.8	1.6	(1)	(1)	0	0	0	0	(1)	0.3	1.6	8.8
Percentage of possible sunshine	43	47	54	60	65	68	71	69	69	65	55	43	59
Number of clear days	8	7	10	9	10	9	10	12	13	15	11	9	123
Hourly wind velocity, miles	10.2	10.5	11.2	10.9	8.7	7.4	6.8	6.4	7.0	7.9	9.2	9.6	8.8
TEXAS, FORT WORTH													
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	56.4	56.0	68.6	75.2	82.0	90.4	93.5	94.2	90.5	80.1	68.8	58.5	76.2
Daily mean minimum	35.7	37.6	46.7	54.3	62.6	70.4	73.5	74.2	69.5	58.2	47.5	37.7	55.7
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	2.05	1.76	2.32	4.02	4.65	3.35	2.61	2.62	2.49	2.81	2.58	1.87	33.13
Days with 0.01 inch or more	6	6	7	8	9	6	6	5	5	6	6	6	76
Total snowfall, inches	0.9	0.6	0.3	(1)	0	0	0	0	0	(1)	0.1	0.6	2.5
Percentage of possible sunshine	61	62	67	69	71	77	81	82	80	73	67	63	71
Number of clear days	12	11	14	11	11	13	14	15	16	15	14	13	159
Hourly wind velocity, miles	10.5	11.1	12.0	12.0	10.9	10.5	9.4	8.8	8.8	9.2	9.7	9.9	10.2
TEXAS, GALVESTON													
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	57.3	61.7	67.5	71.9	80.0	85.7	87.8	87.9	84.7	77.6	68.5	61.7	74.4
Daily mean minimum	46.3	50.9	57.4	62.7	71.0	76.8	78.6	78.5	75.3	67.7	58.0	50.8	64.5
Highest on record	76	78	85	86	93	99	99	100	96	91	85	80	100
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	4.36	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	0	0	0	0	0	0	0	0	0	(1)	0.3
Percentage of possible sunshine	52	52	56	63	69	76	73	70	70	73	61	50	64
Number of clear days	10	9	10	11	12	15	14	15	15	18	13	10	152
Hourly wind velocity, miles	11.5	11.7	11.8	12.2	11.3	10.2	9.0	8.5	9.7	10.2	10.9	11.3	10.7

1 Trace.

No. 148.—Climatic Conditions, Etc.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
TEXAS, SAN ANTONIO													
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	62.7	66.2	73.3	79.7	85.1	91.2	94.0	94.7	89.3	81.3	71.0	63.4	79.3
Daily mean minimum	42.5	45.2	51.9	58.9	65.3	71.1	73.1	73.2	69.2	59.9	51.1	44.2	58.8
Highest on record	87	91	97	100	103	105	106	107	103	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	7	8	7	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	51	53	56	57	61	69	73	75	68	65	52	49	61
Number of clear days	11	10	11	10	9	12	14	14	12	15	12	12	142
Hourly wind velocity, miles	7.7	8.8	8.9	8.7	8.1	7.6	7.2	6.6	6.8	6.8	7.3	7.3	7.6
UTAH, SALT LAKE CITY													
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	36.6	41.3	50.5	59.6	68.6	79.4	88.3	86.4	76.1	62.7	49.5	38.7	61.5
Daily mean minimum	21.9	26.3	32.8	39.9	47.2	55.7	63.9	62.7	52.8	42.3	32.4	24.7	41.9
Highest on record	60	68	77	85	93	101	103	101	97	88	74	62	103
Lowest on record	−20	−13	0	18	25	32	43	44	20	22	−2	−10	−20
Precipitation:													
Total inches	1.31	1.51	1.98	2.05	1.92	0.80	0.51	0.85	0.93	1.44	1.35	1.43	16.13
Days with 0.01 inch or more	10	10	10	9	8	5	4	6	5	7	7	10	91
Total snowfall, inches	11.5	10.8	10.5	3.6	0.4	(1)	0	0	(1)	1.0	5.5	11.2	54.5
Percentage of possible sunshine	46	49	56	63	68	78	79	76	75	68	57	44	63
Number of clear days	8	7	10	10	12	17	18	17	18	16	12	8	153
Hourly wind velocity, miles	5.8	6.2	7.2	7.8	7.9	7.7	7.3	7.0	7.3	6.5	5.8	5.4	6.8
VERMONT, NORTHFIELD													
Temperature:													
Monthly mean	15.2	16.4	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	26.1	26.7	36.8	49.8	63.9	72.7	75.5	74.5	67.7	55.7	41.4	29.5	51.7
Daily mean minimum	4.7	5.5	16.6	29.1	40.2	49.1	53.5	51.1	44.2	34.4	24.6	17.0	30.8
Highest on record	61	61	75	85	93	96	98	95	92	85	72	65	98
Lowest on record	−32	−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	3.58	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	152
Total snowfall, inches	18.8	19.7	16.0	6.7	0.5	0	0	0	(1)	0.8	9.0	15.3	86.8
Percentage of possible sunshine	38	48	51	50	52	57	59	57	51	43	31	25	47
Number of clear days	5	6	7	6	6	6	5	6	8	6	4	4	69
Hourly wind velocity, miles	8.0	8.1	8.8	8.6	8.1	7.0	6.4	6.2	6.7	7.4	7.9	7.5	7.6
VIRGINIA, LYNCHBURG													
Temperature:													
Monthly mean	37.5	40.3	47.3	57.3	67.3	74.6	77.5	75.6	69.0	58.5	47.2	39.5	57.6
Daily mean maximum	46.2	48.4	57.2	66.6	76.7	83.4	87.7	85.0	79.5	69.0	57.3	48.2	67.1
Daily mean minimum	28.7	30.4	37.0	45.0	54.8	63.1	67.2	65.7	59.3	47.3	37.4	30.5	47.2
Highest on record	77	81	92	95	97	101	103	105	99	94	81	79	105
Lowest on record	−7	−3	11	20	34	43	50	47	35	26	9	−4	−7
Precipitation:													
Total inches	3.43	3.15	3.54	2.95	3.63	3.79	4.21	3.78	3.31	3.15	2.33	3.26	40.53
Days with 0.01 inch or more	11	10	11	10	11	12	11	12	9	8	8	9	122
Total snowfall, inches	5.0	3.7	2.7	0.4	(1)	0	0	0	0	0.1	0.5	2.7	15.1
Percentage of possible sunshine	45	53	62	61	65	65	70	65	63	63	54	46	59
Number of clear days	10	10	14	11	11	9	10	10	13	15	12	11	136
Hourly wind velocity, miles	5.8	5.5	6.8	6.6	5.4	4.7	5.9	5.5	4.1	4.7	5.4	5.6	5.5
WASHINGTON, SEATTLE													
Temperature:													
Monthly mean	39.5	41.1	44.9	49.4	54.5	59.0	63.1	63.1	58.1	51.4	45.0	41.7	51.0
Daily mean maximum	44.3	47.1	51.5	57.1	62.8	67.9	73.1	72.6	66.3	58.1	50.7	46.0	58.1
Daily mean minimum	35.4	36.6	38.7	42.0	46.8	51.3	54.6	54.8	51.3	46.4	41.2	37.5	44.7
Highest on record	67	67	81	85	92	98	95	92	87	81	68	62	98
Lowest on record	3	4	20	30	36	40	46	46	36	29	15	12	3

[1] Trace.

No. 148.—Climatic Conditions, Etc.—Continued

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
WASHINGTON, SEATTLE—Con.													
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	34.03
Days with 0.01 inch or more	19	16	15	14	12	9	4	4	9	13	18	19	153
Total snowfall, inches	5.2	4.4	1.1	0.2	(1)	0	0	0	0	(1)	1.0	2.0	13.9
Percentage of possible sunshine	24	35	44	51	52	55	67	60	49	33	21	21	43
Number of clear days	4	4	5	6	6	7	13	13	9	5	2	3	77
Hourly wind velocity, miles	8.9	8.2	9.0	8.4	8.2	7.7	6.9	6.2	6.9	7.5	8.3	8.9	7.9
WEST VIRGINIA, PARKERSBURG													
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	41.1	41.9	53.0	63.7	74.1	81.8	85.5	83.9	78.7	66.6	53.0	43.0	63.9
Daily mean minimum	24.9	25.2	33.8	42.8	52.5	61.0	64.7	63.3	57.1	45.0	35.4	27.7	44.4
Highest on record	74	77	89	93	96	99	104	106	99	91	81	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	4.09	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	10	9	9	11	13	144
Total snowfall, inches	6.5	6.3	3.9	0.9	(1)	0	0	0	0	0.1	1.1	4.3	23.1
Percentage of possible sunshine	29	37	42	48	54	58	62	57	59	51	35	27	47
Number of clear days	6	6	9	10	11	11	13	12	13	13	7	6	117
Hourly wind velocity, miles	6.5	7.0	7.2	6.7	5.2	4.6	4.3	4.1	4.2	4.8	5.9	6.1	5.6
WISCONSIN, GREEN BAY													
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	23.3	25.2	36.9	51.9	64.3	72.6	80.1	77.2	69.8	56.9	41.0	28.6	52.3
Daily mean minimum	7.8	9.2	21.1	34.4	45.0	55.4	60.1	58.3	51.5	40.4	27.8	15.5	35.5
Highest on record	51	50	82	85	91	100	101	95	95	84	71	54	101
Lowest on record	−36	−33	−23	11	22	34	43	38	25	8	−12	−21	−36
Precipitation:													
Total inches	1.54	1.56	2.04	2.65	3.52	3.70	3.46	3.18	3.52	2.54	2.16	1.71	31.58
Days with 0.01 inch or more	10	9	10	11	12	11	11	9	10	9	9	10	121
Total snowfall, inches	12.5	11.6	9.3	3.3	0.2	0	0	0	0	0.8	5.6	9.6	52.9
Percentage of possible sunshine	47	53	58	59	61	67	71	68	60	53	41	41	57
Number of clear days	7	7	7	7	7	6	8	8	8	7	6	6	84
Hourly wind velocity, miles	9.5	9.8	10.2	10.5	9.8	8.4	8.0	7.9	8.8	9.3	9.9	9.7	9.3
WYOMING, LANDER													
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	32.0	35.5	44.3	55.1	64.4	75.6	83.5	82.1	71.5	58.4	44.1	32.0	56.6
Daily mean minimum	5.4	9.2	19.1	29.4	38.0	45.4	51.4	49.3	40.1	29.6	17.5	6.6	28.4
Highest on record	64	64	71	82	88	96	100	96	90	83	72	62	100
Lowest on record	−39	−35	−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	6	5	6	4	4	70
Total snowfall, inches	5.1	8.6	12.3	12.9	4.4	0.4	0	0	1.9	9.1	6.8	8.1	69.6
Percentage of possible sunshine	66	70	72	66	64	74	74	74	70	65	58	62	68
Number of clear days	12	11	10	9	9	12	13	13	14	13	11	13	140
Hourly wind velocity, miles	3.9	3.9	5.0	5.5	5.5	5.1	4.6	4.4	4.4	3.8	3.7	3.4	4.4

[1] Trace.

Source: The Weather Bureau, Department of Agriculture.

8. ARMY, NAVY, CIVIL SERVICE, PENSIONS, VETERANS' BUREAU ACTIVITIES, ELECTIONS, ETC.

No. 149.—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 [1]			National Guard [2]			Reserve forces [3]		
		Total	Officers	Enlisted men	Total	Officers	Enlisted men	Total	Officers	Enlisted men
1800	136,624	27,089	2,168	24,921	109,535	8,555	100,980			
1895	140,051	27,172	2,154	25,018	112,879	9,227	103,652			
1900	223,306	68,155	2,486	65,669	122,213	8,246	113,967	[4] 32,998	[4] 1,531	[4] 31,467
1901	200,696	81,586	2,940	78,646	115,749	8,751	106,998	[4] 3,361	[4] 350	[4] 3,011
1902	185,805	75,584	3,731	71,853	110,221	[5]	[5]			
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	9,155	110,505			
1912	213,313	91,461	4,650	86,811	121,852	9,142	112,710			
1914	225,819	97,760	4,883	92,877	128,043	8,792	119,251	[6] 16		[6] 16
1915	235,410	105,993	4,798	101,195	129,398	8,705	120,693	[6] 19		[6] 19
1916	244,483	107,641	5,025	102,616	132,194	8,589	123,605	[6] 4,648		[6] 4,648
1917	620,863	250,357	6,332	244,025	[7] 314,581	[8] 11,000	303,581	64,925	[9] 21,543	[10] 43,382
1918	2,246,103	[11] 741,084	[11] 10,518	[11] 730,566	[7] 445,678	[8] 12,000	[8] 433,678	1,059,341	[12] 135,380	[12] 923,961
1918 (Nov. 11)	3,673,888	[13] 3,673,888	[14] 188,434	[13] 3,485,454						
1919	931,422	836,882	[15] 78,003	758,879	87,210	1,198	36,012	57,330	[9] 45,573	[9] 11,757
1920	363,540	200,367	[15] 15,519	184,848	56,090	2,078	54,017	107,083	[9] 68,232	[9] 38,851
1921	407,920	227,374	[15] 14,124	213,250	113,640	5,843	107,797	66,906	[9] 66,905	[16] 1
1922	373,597	146,069	[15] 14,075	131,994	159,658	8,744	150,914	67,870	[9] 67,390	[16] 480
1923	370,042	130,964	[15] 12,682	118,282	160,598	9,675	150,923	78,480	[9] 76,923	[16] 1,557
1924	397,794	140,644	[15] 12,501	128,143	177,428	[17] 10,996	166,432	79,722	[9] 76,322	[16] 3,400
1925	406,162	134,624	[15] 12,909	121,715	177,525	[17] 11,595	165,930	94,013	[9] 88,808	[16] 5,115
1926	410,902	133,033	[15] 13,105	119,928	174,969	[17] 11,435	163,534	102,900	[9] 97,125	[16] 5,775
1927	421,519	133,079	[15] 13,175	119,904	181,142	[17] 12,192	168,950	107,298	[9] 101,563	[16] 5,735
1928	426,075	134,331	[15] 13,174	121,157	181,221	[17] 12,428	168,793	110,523	[9] 105,059	[16] 5,464
1929	421,466	137,360	[15] 13,168	124,192	176,988	[17] 12,535	164,453	107,118	[9] 101,926	[16] 5,192
1930	426,825	137,472	[15] 13,195	124,277	182,715	[17] 12,930	169,785	106,638	[9] 101,917	[16] 4,721

[1] 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.

[2] State militia prior to act of June 3, 1916.

[3] Figures for 1900 and 1901 are "U. S. Volunteers of the Philippine Insurrection period; for other years Regular Army Reserve, Officers' Reserve Corps, Enlisted Reserve Corps, and the "National Army" of the World War period, as noted.

[4] U. S. Volunteers.

[5] Figures on officers and enlisted men not available.

[6] Regular Army Reserve. The Regular Army Reserve was abolished by act of June 4, 1920.

[7] Includes National Guard personnel in Federal service.

[8] Estimate.

[9] Officers' Reserve Corps. Beginning with 1924, figures do not include individuals who hold commissions also in the National Guard.

[10] Includes Regular Army Reserve, 8,382; Enlisted Reserve Corps, 35,000 (estimate).

[11] Subject to revision.

[12] Includes Officers' Reserve Corps, 86,262; National Army, 40,118 (estimate).

[13] 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.

[14] Estimates only. Under orders of the Secretary of War all components had been merged into one army known as "The United States Army."

[15] Beginning with 1919, figures for commissioned officers include warrant officers in the following numbers: 1919, 37; 1920, 68; 1921, 1,159; 1922, 1,151; 1923, 1,085; 1924, 1,063; 1925, 1,028; 1926, 1,325; 1927, 1,262; 1928, 1,208; 1929, 1,138; 1930, 1,089.

[16] Enlisted Reserve Corps.

[17] 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, 198.

Source: Reports of the War Department.

No. 150.—REGULAR ARMY: Actual Strength by Arms or Services

Arm or service	June 30, 1926			June 30, 1930		
	Total	Officers	Enlisted men	Total	Officers	Enlisted men
Grand total[1]	**134,930**	**13,070**	**121,760**	**137,645**	**13,344**	**124,301**
General officers of the line	67	67		67	67	
General Staff Corps	218	218		213	213	
Adjutant General's Department	94	94		91	91	
Inspector General's Department	39	39		41	41	
Judge Advocate General's Department	82	82		95	95	
Quartermaster Corps	8,564	724	7,840	8,242	706	7,536
Military storekeeper	1	1				
Medical Department	7,704	1,182	6,582	7,619	1,202	6,417
Finance Department	514	113	401	520	120	400
Corps of Engineers	5,098	385	4,713	4,866	401	4,465
Ordnance Department	2,522	251	2,271	2,527	277	2,250
Signal Corps	2,480	201	2,279	2,833	208	2,625
Chemical Warfare Service	500	76	424	491	78	413
Bureau of Insular Affairs	3	3		3	3	
Chaplains	123	123		120	120	
Professors, U. S. Military Academy	7	7		8	8	
Cavalry	9,357	622	8,735	8,403	609	7,794
Field Artillery	15,933	961	14,972	15,536	903	14,633
Coast Artillery Corps	12,408	720	11,688	12,979	655	12,324
Infantry	43,314	2,457	40,857	43,562	2,303	41,259
Air Corps	9,658	833	8,825	13,305	1,271	12,034
Detached list	8,115	2,572	5,543	8,300	2,653	5,647
Retired on active duty	188	143	45	160	136	24
Total, less Philippine Scouts	127,099	11,924	115,175	129,981	12,160	117,821
Philippine Scouts	6,701	[2] 116	6,585	6,575	[2] 95	6,480
Warrant officers	1,030	[3] 1,030		1,089	1,089	

[1] Including retired on active duty.
[2] Includes 17 retired on active duty for 1925 and 13 for 1930.
[3] Includes 2 retired on active duty.

No. 151.—NATIONAL GUARD:[1] Organized Strength, June 30

State or Territory	1922		1930		State or Territory	1922		1930	
	Officers	Enlisted men	Officers[2]	Enlisted men		Officers	Enlisted men	Officers[2]	Enlisted men
Total	**8,744**	**150,914**	**12,930**	**169,785**	Montana	20	419	73	1,049
Alabama	152	2,455	203	2,444	Nebraska	65	1,203	113	1,556
Arizona	30	526	66	1,072	Nevada	[3]	[3]	6	109
Arkansas	92	1,607	146	2,025	New Hampshire	63	1,082	75	975
California	164	3,349	421	5,863	New Jersey	213	4,009	347	4,314
Colorado	91	1,305	138	1,646	New Mexico	45	670	74	901
Connecticut	149	2,913	304	3,886	New York	1,142	20,474	1,360	19,754
Delaware	50	710	53	757	North Carolina	114	2,213	248	3,087
District of Columbia	34	456	64	921	North Dakota	46	1,102	78	1,071
Florida	94	1,654	174	2,266	Ohio	513	8,118	611	7,783
Georgia	129	2,391	247	3,362	Oklahoma	159	3,785	409	4,610
Hawaii	62	1,203	102	1,547	Oregon	118	2,239	205	2,849
Idaho	57	896	102	1,161	Pennsylvania	750	11,864	835	10,674
Illinois	355	6,000	637	9,306	Porto Rico	67	1,465	88	1,421
Indiana	290	4,632	351	4,320	Rhode Island	75	1,441	138	1,603
Iowa	195	3,411	261	3,265	South Carolina	95	1,781	129	1,987
Kansas	172	2,536	255	2,864	South Dakota	57	904	103	1,231
Kentucky	110	2,327	214	2,568	Tennessee	55	776	192	2,286
Louisiana	79	1,440	127	1,838	Texas	326	5,581	595	7,329
Maine	114	2,060	169	2,179	Utah	46	710	121	1,262
Maryland	163	2,415	243	2,991	Vermont	72	1,135	83	1,107
Massachusetts	483	7,850	652	8,999	Virginia	192	3,258	262	3,523
Michigan	227	3,735	331	4,284	Washington	148	2,364	215	2,463
Minnesota	278	4,709	357	4,599	West Virginia	44	1,019	123	1,862
Mississippi	63	1,352	122	1,521	Wisconsin	430	6,470	349	4,511
Missouri	227	3,794	313	4,123	Wyoming	29	440	46	571

[1] "National Guard" by act of June 3, 1916.
[2] Includes 198 warrant officers.
[3] Did not accept allotment.

Source of Tables 150 and 151: War Department.

No. 152.—NAVY, MARINE CORPS, AND THE NAVAL RESERVE: ORGANIZED STRENGTH, JUNE 30

Year	Navy		Naval Reserve [1]		Marine Corps		Marine Corps Reserve	
	Officers	Enlisted men	Officers	Enlisted men	Officers	Enlisted men	Officers	Enlisted men
1903	2,009	27,245	435	4,901	195	6,091	----------	----------
1905	2,252	30,804	465	4,475	273	6,032	----------	----------
1907	2,552	33,027	504	5,226	279	8,038	----------	----------
1909	2,823	44,129	525	5,639	334	9,348	----------	----------
1910	2,921	45,076	540	5,961	334	9,152	----------	----------
1911	3,099	47,012	602	6,592	330	9,454	----------	----------
1912	3,114	47,515	615	7,185	319	9,567	----------	----------
1913	3,505	48,068	615	7,446	330	9,757	----------	----------
1914	3,711	52,667	596	7,132	341	9,888	----------	----------
1915	3,780	52,561	606	7,706	344	9,968	----------	----------
1916	4,134	54,234	638	9,170	646	14,981	----------	----------
1917	4,253	100,539	[2] 4,166	46,070	500	24,772	373	4,073
1918	7,974	208,671	[2] 15,486	217,136	1,283	45,348	210	5,188
1919	10,488	169,575	[2] 32,137	80,705	1,997	43,921	725	6,145
1920	9,171	107,601	[2] 28,482	1,349	1,106	16,061	564	4,750
1921	8,625	119,205	[2] 19,734	[3]	1,087	21,903	545	4,180
1922	7,831	88,580	[2] 5,340	[4] 13,400	1,142	20,098	446	1,110
1923	7,873	82,355	4,222	16,098	1,140	18,533	136	443
1924	8,126	87,327	3,975	21,015	1,157	19,176	137	501
1925	8,389	84,289	3,818	24,457	1,168	18,310	150	483
1926	8,574	82,161	3,736	25,654	1,178	17,956	250	2,647
1927	8,904	83,566	3,771	26,293	1,200	18,000	378	5,085
1928	8,856	84,276	4,091	27,072	1,198	17,822	413	8,366
1929	8,905	85,284	6,078	28,821	1,182	17,615	445	9,119
1930	8,985	84,938	7,092	31,777	1,212	18,172	488	10,265

[1] Figures prior to 1917 relate to the Naval Militia.
[2] Enrolled.
[3] No figures available.
[4] Approximate.

Source: Navy Department.

No. 153.—VESSELS OF THE U. S. NAVY FIT FOR SERVICE (INCLUDING THOSE UNDER REPAIR): NUMBER AND DISPLACEMENT, JUNE 30

June 30—	Total		Fighting ships		Nonfighting ships	
	Number	Displacement	Number	Displacement	Number	Displacement
		Tons		*Tons*		*Tons*
1900	276	692,592	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
1923	774	2,353,660	585	1,333,065	189	1,020,595
1924	753	2,268,843	565	1,253,182	188	1,005,661
1925	754	2,274,376	567	1,269,791	187	1,004,585
1926	734	2,247,955	557	1,273,550	177	974,405
1927	734	2,225,348	556	1,264,313	178	961,035
1928	735	2,310,481	561	1,331,043	174	979,438
1929	733	2,321,946	559	1,342,508	174	979,438
1930	685	2,228,617	551	1,305,744	134	922,873

Source: Navy Department.

No. 154.—VESSELS IN THE NAVY: NUMBER AND DISPLACEMENT, BY CLASSES, DECEMBER 31, 1930

NOTE.—The displacements given do not include the displacements of vessels authorized but for which designs are not yet approved. Displacements of combatant vessels are given as standard displacements and for all other vessels load displacements. Standard displacements are displacements arrived at in accordance with the terms of the London Treaty for the Limitation and Reduction of Naval Armament

Class and type	Total		Fit for service, including those under repair				Under construction		Authorized but not yet placed	
			In commission		Out of commission					
	Number	Displacement	Number	Displacement	Number	Displacement	Number	Displacement	Number	Displacement
Grand total, all types	638	*Tons* 2,156,857	391	*Tons* 1,480,420	211	*Tons* 571,087	11	*Tons* 105,350	25	*Tons*
Battleships, first line	18	523,400	18	523,400						
Cruiser type, total	42	342,393	22	233,128	1	5,485	10	103,800	9	
Cruisers, second line	3	33,649	3	33,649						
Light cruisers, first line	33	210,500	15	120,600			9	90,000	9	(1)
Light cruisers, second line	2	8,158	1	2,093	1	5,465				
Aircraft carriers, first line	4	90,086	3	[2] 76,286			1	13,800		
Destroyer type, total	230	216,486	100	102,937	118	113,549			12	
Destroyers, first line	210	202,678	100	102,937	98	99,741			12	(3)
Destroyers, second line	20	13,808			20	13,808				
Mine vessel type, total	53	59,498	36	38,126	17	21,372				
Mine layers, second line	4	16,050	2	8,400	2	7,650				
Light mine layers	12	12,308	6	6,206	6	6,102				
Mine sweepers	37	31,080	28	23,520	9	7,560				
Submarines, total	94	71,970	81	65,930	9	4,490	1	1,550	3	
Submarines, first line	85	56,570	75	[4] 52,080	9	4,490			1	(3)
Fleet submarines, first line	3	5,730	3	5,730						
Fleet submarines, mine-laying type	1	2,660	1	2,660						
Fleet submarines, cruiser type	5	7,010	2	5,460			1	1,550	2	(5)
Patrol vessels, total	67	27,285	51	20,715	16	6,570				
Eagles	25	10,750	16	6,880	9	3,870				
Submarine chasers	25	1,875	19	1,425	6	450				
Gunboats	5	6,120	5	6,120						
River gunboats	8	2,830	8	2,830						
Converted yachts	4	5,710	3	3,460	1	2,250				
Auxiliaries, total	105	803,650	68	450,220	36	356,630			1	
Destroyer tenders	8	82,700	6	60,950	2	21,750				
Submarine tenders	7	58,070	6	49,500	1	8,570				
Aircraft tenders	2	30,750	2	30,750						
Repair ships	3	26,820	2	18,720	1	8,100				
Store ships	5	60,560	2	21,100	3	39,460				
Colliers	4	76,890			4	76,890				
Oilers	19	275,350	10	135,800	9	139,550				
Ammunition ships	2	21,200	1	10,600	1	10,600				
Cargo ships	6	59,680	3	26,230	3	33,450				
Transports	3	20,700	2	20,700					1	(3)
Hospital ships	2	19,250	1	9,800	1	9,450				
Ocean-going tugs	34	30,590	23	21,780	11	8,810				
Submarine rescue vessels	6	7,290	6	7,290						
Miscellaneous	4	37,000	4	37,000						
Unclassified	29	108,975	15	45,964	14	63,011				

[1] Design approved for 1 but contract not placed. Designs not approved for 5 and no funds appropriated.
[2] Does not include weight allowance under terms of the Washington Treaty for providing means against air and submarine attack.
[3] Designs not approved and no funds appropriated.
[4] Includes S-4 which is in commission as a special experimental vessel without propulsive machinery. Would require extensive work before being available for service.
[5] Designs not approved.

Source: Navy Department.

No. 155.—AMERICAN NATIONAL RED CROSS: EXPENDITURES OF THE NATIONAL ORGANIZATION, YEARS ENDED JUNE 30

NOTE.—All figures in thousands of dollars. Data cover the expenditures and budget of the national organization only and do not include chapter budgets. The total expenditures for 1921 were $24,493,000; 1922, $12,476,000; 1923, $9,738,000; 1924, $16,497,000; 1925, $5,837,000.

	1924–1929, total	1926	1927	1928	1929	1930	Estimated 1931
Total	72,006	7,382	11,360	19,866	11,064	4,255	19,423
Domestic operations:							
Service to disabled veterans	7,816	1,041	1,161	862	738	883	821
Service to men of the Regular Army and Navy	1,851	309	308	307	308	300	400
Disaster relief	35,232	3,043	7,961	10,692	4,864	1,208	16,000
Enrolled Nurses' Reserve	272	47	45	46	44	41	40
Public health nursing	1,239	216	211	161	154	187	194
Home hygiene and care of the sick	395	51	48	86	88	77	83
Nutrition	393	64	54	64	71	48	53
First aid and life saving	1,538	251	239	207	301	274	308
Junior Red Cross	1,325	212	188	237	238	260	200
Other domestic operations	1,078	264	236	209	293	202	209
Insular and foreign operations:							
Relief in foreign disasters	10,122	53	257	213	3,343	134	400
League of Red Cross Societies	1,133	180	193	211	208	208	250
Junior Red Cross foreign projects	388	74	69	31	29	29	24
Assistance to insular chapters	839	50	76	64	66	85	53
Other insular and foreign work		55	48	29	40	23	13
Supervision of service activities and general management	1,782	271	265	268	278	296	315

No. 156.—AMERICAN NATIONAL RED CROSS: ANNUAL ROLL CALL, 1929–30

NOTE.—Total continental United States adult membership (including Alaska) and per cent of total population in previous years: 1918–19, 19,096,773 (18.62 per cent); 1919–20, 9,171,513 (8.67 per cent); 1920–21, 5,836,353 (5.52 per cent); 1921–22, 3,763,111 (3.56 per cent); 1922–23, 3,330,089 (3.15 per cent); 1923–24, 3,048,586 (2.88 per cent); 1924–25, 3,033,093 (2.87 per cent); 1925–26, 2,915,308 (2.76 per cent); 1926–27, 2,995,846 (2.5 per cent); 1927–28, 3,975,155 (3.4 per cent); 1928–29, 4,019,316 (3.4 per cent)

State or Territory	Adult membership	Population, July 1, 1929 [1]	Per cent of membership to population [2]	State or Territory	Adult membership	Population, July 1, 1929 [1]	Per cent of membership to population [2]
Grand total	4,130,966			Montana	27,614	538,432	5.1
				Nebraska	38,394	1,371,992	2.8
Continental U. S. [3]	4,005,513	121,585,397	3.3	Nevada	3,928	90,059	4.4
				New Hampshire	29,422	463,667	6.3
Alabama	23,798	2,624,438	.9	New Jersey	199,124	3,976,540	5.0
Alaska	3,595	58,968	6.1	New Mexico	9,298	418,710	2.2
Arizona	12,188	428,154	2.8	New York	453,422	12,426,882	3.6
Arkansas	37,200	1,846,999	2.0	North Carolina	36,942	3,125,550	1.2
California	269,653	5,512,588	4.9	North Dakota	29,652	678,358	4.4
Colorado	29,608	1,028,755	2.9	Ohio	325,747	6,581,772	4.9
Connecticut	93,874	1,590,347	5.9	Oklahoma	38,329	2,309,130	1.6
Delaware	8,010	237,255	3.4	Oregon	46,342	941,317	4.9
Dist. of Col	27,520	433,262	5.7	Pennsylvania	459,049	9,564,666	4.8
Florida	30,587	1,431,645	2.8	Rhode Island	34,394	681,416	5.0
Georgia	21,393	2,907,579	.7	South Carolina	16,121	1,734,738	.9
Idaho	13,043	444,009	2.9	South Dakota	16,166	688,729	2.3
Illinois	152,758	7,546,847	2.0	Tennessee	33,894	2,596,165	1.3
Indiana	111,870	3,215,959	3.5	Texas	106,942	5,739,728	1.9
Iowa	94,511	2,466,043	3.8	Utah	10,341	503,569	2.1
Kansas	56,629	1,872,823	3.0	Vermont	22,523	359,085	6.3
Kentucky	48,178	2,600,105	1.9	Virginia	61,429	2,413,607	2.5
Louisiana	46,886	2,079,417	2.3	Washington	66,037	1,548,266	4.3
Maine	36,621	795,272	4.6	West Virginia	31,047	1,700,777	1.8
Maryland	52,183	1,618,220	3.2	Wisconsin	64,909	2,916,547	2.2
Massachusetts	199,848	4,220,547	4.7	Wyoming	7,819	223,284	3.5
Michigan	214,612	4,756,429	4.5	At large	2,819		
Minnesota	102,663	2,551,016	4.0				
Mississippi	30,582	1,993,782	1.5	**Insular territories and possessions**	125,453		
Missouri	106,840	3,612,880	3.0				

[1] Population figures are estimates by the Census Bureau.
[2] Computed by Bureau of Foreign and Domestic Commerce on basis of revised estimates of population shown in the preceding column.
[3] Includes Alaska.

Source of Tables 155 and 156: The American Red Cross.

No. 157.—WAR PENSIONERS AND DISBURSEMENTS FOR PENSIONS

NOTE.—Provision for those participating in the World War or their dependents was made by other methods (see subsequent tables) and the expenditures are not included in this table except in the case of a few individuals whose claims were based on disability or death resulting from disability of service origin prior to April 6, 1917, and after July 2, 1921, and who come under the jurisdiction of the Pension Bureau

June 30 or year ended June 30—	Number on rolls			Disbursements for pensions	Maintenance and expenses
	Invalids	Widows, etc.	Total	In thousands of dollars	
1866	55,652	71,070	126,722	15,450	407
1870	87,521	111,165	198,686	29,351	600
1875	122,089	111,832	234,821	29,270	982
1880	145,410	105,392	250,802	56,689	935
1883	206,042	97,616	303,658	60,428	2,592
1884	225,470	97,280	322,750	57,912	2,835
1885	247,146	97,979	345,125	65,172	2,393
1886	270,346	95,437	365,783	64,091	2,245
1887	306,298	99,709	406,007	73,753	3,753
1888	343,701	108,856	452,557	78,951	3,515
1889	373,699	116,026	489,725	88,843	3,467
1890	415,654	122,290	537,944	106,094	3,526
1891	536,821	139,339	676,160	117,313	4,701
1892	703,242	172,826	876,068	139,394	4,899
1893	759,706	206,306	966,012	156,907	4,868
1894	754,382	215,162	969,544	139,987	3,964
1895	751,456	219,008	970,524	139,812	4,338
1896	748,514	222,164	970,678	138,221	3,991
1897	747,492	228,522	976,014	130,950	3,988
1898	758,511	235,203	993,714	144,652	4,114
1899	754,104	237,415	991,519	138,462	4,148
1900	752,510	241,019	993,529	138,355	3,842
1901	748,649	249,086	997,735	138,531	3,869
1902	739,443	260,003	999,446	137,504	3,831
1903	729,356	267,189	996,545	137,760	3,993
1904	720,921	273,841	994,762	141,094	3,849
1905	717,761	280,080	998,441	141,143	3,722
1906	701,483	284,488	985,971	139,000	3,523
1907	679,937	287,434	967,371	138,155	3,309
1908	658,071	293,016	951,087	153,093	2,801
1909	632,557	313,637	946,194	161,974	2,853
1910	602,180	318,903	921,083	159,974	2,658
1911	570,050	322,048	892,098	157,325	2,517
1912	538,000	322,294	860,294	152,986	2,449
1913	503,033	316,567	820,272	174,172	2,543
1914	470,331	314,908	785,239	172,418	2,067
1915	437,448	310,699	748,147	165,518	1,780
1916	403,120	306,452	709,572	159,155	1,657
1917	369,936	303,175	673,111	160,895	1,563
1918	340,318	306,582	646,895	179,835	1,528
1919	313,140	311,287	624,427	222,159	1,433
1920	285,219	306,971	592,190	213,295	1,395
1921	267,731	298,322	566,053	258,721	1,390
1922	256,918	290,098	547,016	252,808	1,394
1923	253,686	286,070	539,756	263,013	1,092
1924	248,116	277,423	525,539	229,995	1,498
1925	244,886	267,651	512,537	217,151	1,489
1926	246,139	255,584	501,723	207,844	1,436
1927	246,104	243,748	489,942	230,153	1,327
1928	259,030	232,164	491,194	228,966	1,215
1929	259,580	218,335	477,915	220,890	1,277
1930	256,988	207,269	464,257	219,204	1,272

PENSIONERS AND PENSIONS OF THE SEVERAL WARS

War	Total payments (thousands of dollars) 1790 to June 30, 1930	Number on rolls June 30—			Amount paid (thousands of dollars), year ended June 30—			Value of average pension		
		1920	1929	1930	1920	1929	1930	1920	1929	1930
Total	8,169,558	592,190	477,915	464,257	213,295	229,890	219,204	$340	$481	$472
War of the Revolution	70,000									
War of 1812	40,194	71	11	10	21	7	6	233	655	570
Indian wars	44,477	6,228	9,574	9,645	1,746	4,452	4,555	203	465	472
War with Mexico	59,468	2,571	731	630	677	473	395	240	647	627
Civil War	7,370,462	533,729	241,219	216,692	202,586	143,594	125,785	359	595	580
War with Spain	470,499	30,432	207,861	217,730	4,624	76,846	83,751	142	370	385
Regular establishment	91,677	19,031	18,457	19,491	3,604	4,503	4,697	181	244	241
World War	268	128	62	59	37	16	15	228	259	260
Unclassified	16,613									

NUMBER RECEIVING SPECIFIED MONTHLY RATES OF PENSION JUNE 30, 1930

	$12	$20	$25	$30	$40	$50	$65	$72	$90	Other rates
Regular establishment:										
Soldiers	2,446	110	39	2,210	67	366	6	261	149	10,007
Widows, etc	2,611	364	161	299	54	71				270
Civil War:										
Soldiers	3	2	1	15	3	397	19,927	23,156	5,340	174
Widows, etc	295	1,563	487	64,052	94,893	6,046	3		1	324
War with Spain:										
Soldiers	163	37,222	37,222	45,280	36,825	27,348	2	2,105	73	571
Widows, etc	42	1,192	31	20,542	12	20				80
Other wars: [1]										
Soldiers	50	361	160	709	817	3,332				16
Widows, etc	30	37	1	4,141	3	609				1

[1] Not including 59 pensioners of the World War receiving from $6 to $100 per month.

Source: Bureau of Pensions, Department of the Interior.

GENERAL NOTE.—The following is a summary of the various forms of veterans' relief under the administration of the United States Veterans' Bureau.

Compensation is awarded for death or disability resulting from personal injuries received or diseases contracted in the military or naval service on or after April 6, 1917, and before July 2, 1921, or for an aggravation or recurrence of a preexisting disability resulting from such service. The rates of compensation range from $8 per month for a temporary disability to $200 per month for double permanent total disability. In some instances a $50 allowance for an attendant is granted in addition to other compensation.

Yearly renewable term insurance.—During the period of the war and until July 2, 1927, yearly renewable term insurance ranging from $500 to $10,000 was issued. All term insurance not converted into permanent United States Government life insurance before July 2, 1927, lapsed. Claims upon such policies are paid in 240 monthly installments except where there is no beneficiary named or where the beneficiary named dies before receiving all of the payments, the remainder is paid in one sum.

Medical and hospital care.—In addition to compensation payments, the disabled person is furnished reasonable Government medical, surgical, and hospital service and supplies, and appliances considered reasonably necessary. Hospital facilities of this bureau are also available for veterans of the Spanish American War, the Philippine Insurrection, the Boxer Rebellion, or the World War, suffering from neuropsychiatric or tubercular ailments and diseases, paralysis agitans, encephalitis lethargica or amoebic dysentery, or the loss of sight of both eyes, whether such ailments or diseases are due to military service or otherwise. The bureau is also authorized, as far as Government facilities permit, to furnish hospitalization and necessary traveling expenses to veterans of any war since 1807, without regard to the nature or origin of their disabilities. By act of June 11, 1930, retired enlisted men of the Navy and Marine Corps and transferred members of the Fleet Naval Reserve and the Fleet Marine Corps Reserve were placed on an equal footing with veterans entitled to hospitalization under previous acts.

Vocational rehabilitation.—Under the act of July 27, 1918, honorably discharged members of the Army, Navy, or Marine Corps who were unable to carry on in a gainful occupation successfully were provided with vocational training at Government expense, including allowances for maintenance of them and their dependents. The act also provided for the placement of rehabilitated persons in suitable occupations. Veterans who suffered a compensable disability but were not vocationally handicapped were provided with instruction, including tuition and supplies, but were not given maintenance allowance. Rehabilitation activities of the bureau ceased with the close of the fiscal year 1928.

United States Government life insurance.—United States Government life insurance is issued in any multiple of $500, not less than $1,000 or more than $10,000, upon the payment of premiums at a net peace-time rate, with no extra charge for administration or excess mortality due to the hazards of war. (For rates and forms of insurance see Tables 160 and 162.) The policies carry the usual provisions common to policies issued by commercial companies, such as extended insurance, paid-up insurance, cash surrenders, and loans. Dividends are also paid from excess of interest earnings and savings in mortality.

Adjusted compensation.—The act of May 19, 1924, authorized the payment of adjusted compensation to all veterans of the World War, excluding officers above the grade of captain in the Army or Marine Corps or similar rank in the Navy and Coast Guard. The rate of adjusted compensation for service in excess of 60 days is $1.25 and $1 per day and the amount of credit is limited to $625 and $500 for overseas and home service, respectively. Veterans entitled to not more than $50 are paid in cash and others are given a 20-year endowment insurance policy for an amount that the adjusted service credit increased by 25 per cent would purchase at the age of the veteran on the birthday nearest the date of the certificate, with interest at 4 per cent compounded annually. An amendment authorized the bureau to make loans direct to the veteran; prior to its passage loans secured by adjusted service certificates could be made only by the banks. Under the act of June 5, 1930, applications for adjusted compensation may be filed to January 2, 1935.

Retirement of disabled emergency officers.—The act of May 24, 1928, provides that all emergency officers who served during the World War who have a permanent disability incurred in line of duty of 30 per cent or more shall receive retirement pay and shall be entitled to the same privileges as are now or may hereafter be provided for by law or regulations for officers of the Regular Army, Navy, or Marine Corps who have been retired for physical disability incurred in line of duty.

No. 158.—UNITED STATES VETERANS' BUREAU: DISBURSEMENTS

[All figures in thousands of dollars]

	Total to June 30, 1930	Year ended June 30—				
		1926	1927	1928	1929	1930
Grand total	5,210,485	436,105	405,348	421,001	432,743	452,150
Disbursements from appropriations	4,791,844	428,237	393,584	408,373	410,448	427,472
Losses on war-risk insurance on American vessels, their cargoes, etc.	35,076	[1] 34			1	
Military and naval family allowance	282,082	[1] 7	[1] 87	[1] 24	[1] 2	1
Military and naval insurance [2]	1,256,081	136,975	120,064	120,771	121,349	122,769
Military and naval compensation	1,637,981	164,437	173,477	181,800	188,931	199,229
Vocational rehabilitation	644,905	25,841	2,206	233	[1] 3	[1] 20
Medical and hospital services, U. S. Veterans' Bureau	383,262	31,198	31,555	30,167	29,809	32,185
Hospital facilities and services	43,288	4,511	4,599	5,222	4,044	8,241
Salaries and expenses, Veterans' Bureau	368,792	42,164	36,354	37,815	39,932	41,590
Soldiers' and sailors' civil relief claims	19					
Printing and binding	941	136	127	134	128	150
Increase of compensation	8,699	[1] 3				
Administrative expenses adjusted compensation, 1924–25	835	26				
Adjusted service and dependent pay	38,361	5,626	9,960	10,153	6,453	3,130
Adjusted service certificate fund	91,344	15,355	14,408	17,098	19,745	20,131
All other	178	12	21	4	61	66
Disbursements from trust funds	418,641	9,868	11,764	17,628	22,295	24,678
Allotment trust fund	300,839	[1] 14	[1] 100	[1] 36	[1] 6	1
U. S. Government life-insurance fund	117,724	9,882	11,864	17,664	22,301	24,677
Vocational rehabilitation gift fund	78					

[1] Credit.

[2] $453,134,000 in premiums credited to this appropriation.

Source: United States Veterans' Bureau.

No. 159.—VETERANS' INSURANCE AND COMPENSATION: DEATH AND DISABILITY AWARDS

NOTE.—See general note, p. 163

	Total to June 30, 1930	Period or year ended June 30—					
		1925	1926	1927	1928	1929	1930
Number of awards made during period or year:							
Compensation—							
Total original awards	577, 367	28, 881	26, 780	15, 429	14, 152	14, 300	16, 448
Original death	82, 191	4, 095	9, 175	2, 303	1, 890	1, 794	2, 447
Original disability	495, 176	23, 886	17, 605	13, 126	12, 262	12, 506	14, 001
Disability change to death	31, 197	3, 356	4, 913	3, 514	3, 370	2, 871	3, 004
Term insurance—							
Total original awards	187, 475	4, 104	4, 462	2, 055	1, 039	078	047
Original death	154, 118	1, 274	1, 370	752	532	372	349
Original disability	33, 357	2, 830	3, 092	1, 303	507	606	598
Disability changed to death	17, 815	1, 578	1, 538	852	080	938	810
Converted insurance—							
Total original awards	19, 700	1, 404	1, 850	1, 957	2, 914	3, 406	3, 507
Original death	12, 684	970	1, 014	1, 109	1, 822	2, 205	2, 237
Original disability	7, 016	494	836	758	1, 002	1, 201	1, 270
Disability changed to death	1, 502	149	173	190	218	264	344
Number of awards active at end of period or year:							
Compensation	———	277, 602	305, 177	326, 450	344, 008	350, 667	371, 579
Death	———	66, 958	78, 693	82, 839	86, 562	88, 529	92, 040
Disability	———	211, 644	226, 484	243, 611	257, 536	262, 138	279, 539
Term insurance	———	153, 331	154, 881	146, 047	144, 081	167, 369	155, 254
Death	———	143, 823	144, 057	135, 005	133, 107	145, 425	143, 053
Disability	———	9, 508	10, 824	11, 042	10, 974	11, 944	12, 201
Converted insurance	———	2, 602	3, 375	4, 086	5, 208	6, 634	8, 042
Death	———	1, 276	1, 462	1, 694	2, 075	2, 532	3, 006
Disability	———	1, 326	1, 913	2, 392	3, 223	4, 102	5, 036

No. 160.—GOVERNMENT LIFE INSURANCE: ANNUAL PREMIUM RATES ON $1,000 INSURANCE, BY SPECIFIED FORMS OF INSURANCE

Age at conversion	Ordinary life	20-payment life	30-payment life	20-year endowment	30-year endowment	Endowment at age 62	5-year convertible term	Age at conversion	Ordinary life	20-payment life	30-payment life	20-year endowment	30-year endowment	Endowment at age 62	5-year convertible term
	Dolls.	*Dolls.*	*Dolls.*	*Dolls.*	*Dolls.*	*Dolls.*	*Dolls.*		*Dolls.*	*Dolls.*	*Dolls.*	*Dolls.*	*Dolls.*	*Dolls.*	*Dolls.*
15	12. 20	19. 25	15. 36	38. 86	23. 98	14. 88	7. 44	43	26. 58	33. 43	28. 11	42. 53	30. 12	44. 77	10. 87
16	12. 52	19. 61	15. 59	38. 86	24. 10	15. 24	7. 44	44	27. 64	34. 38	29. 06	42. 88	30. 95	47. 72	11. 22
17	12. 76	19. 85	15. 83	38. 98	24. 10	15. 59	7. 56	45	28. 71	35. 32	30. 00	43. 47	31. 66	50. 91	11. 69
18	12. 99	20. 20	16. 07	38. 98	24. 22	16. 07	7. 56	46	29. 80	36. 38	31. 19	43. 94	32. 60	54. 69	12. 17
19	13. 23	20. 44	16. 30	38. 98	24. 22	16. 54	7. 56	47	31. 19	37. 56	32. 25	44. 65	33. 55	58. 83	12. 76
20	13. 58	20. 79	16. 54	39. 10	24. 33	17. 01	7. 68	48	32. 60	38. 75	33. 55	45. 36	34. 61	63. 67	13. 47
21	13. 82	21. 14	16. 89	39. 10	24. 33	17. 48	7. 68	49	34. 02	39. 93	34. 85	46. 07	35. 79	69. 22	14. 18
22	14. 18	21. 50	17. 13	39. 10	24. 45	18. 07	7. 80	50	35. 56	41. 34	36. 38	47. 02	37. 09	75. 72	15. 00
23	14. 53	21. 85	17. 48	39. 22	24. 45	18. 66	7. 80	51	37. 21	42. 76	———	47. 96	38. 51	83. 28	15. 95
24	14. 88	22. 21	17. 84	39. 22	24. 57	19. 25	7. 91	52	38. 98	44. 30	———	49. 02	40. 05	92. 49	16. 89
25	15. 24	22. 56	18. 07	39. 34	24. 69	19. 85	7. 91	53	40. 87	45. 83	———	50. 20	41. 82	———	18. 07
26	15. 59	23. 04	18. 43	39. 34	24. 81	20. 55	8. 03	54	42. 88	47. 61	———	51. 62	43. 59	———	19. 37
27	15. 95	23. 39	18. 78	39. 45	24. 93	21. 26	8. 03	55	45. 13	49. 50	———	53. 04	45. 60	———	20. 79
28	16. 42	23. 86	19. 14	39. 45	25. 04	22. 09	8. 15	56	47. 37	51. 50	———	54. 69	———	———	22. 33
29	16. 89	24. 33	19. 61	39. 57	25. 16	22. 92	8. 27	57	49. 85	53. 75	———	56. 47	———	———	24. 10
30	17. 36	24. 81	19. 96	39. 69	25. 40	23. 74	8. 39	58	52. 45	55. 99	———	58. 47	———	———	26. 11
31	17. 84	25. 28	20. 44	39. 81	25. 52	24. 69	8. 51	59	55. 28	58. 59	———	60. 72	———	———	28. 23
32	18. 31	25. 87	20. 91	39. 93	25. 75	25. 75	8. 62	60	58. 36	61. 31	———	63. 08	———	———	30. 60
33	18. 90	26. 34	21. 38	40. 05	25. 99	26. 82	8. 74	61	61. 66	———	———	———	———	———	33. 19
34	19. 49	26. 93	21. 85	40. 16	26. 22	28. 00	8. 86	62	65. 21	———	———	———	———	———	36. 15
35	20. 08	27. 52	22. 44	40. 28	26. 46	29. 30	8. 98	63	68. 99	———	———	———	———	———	39. 34
36	20. 79	28. 11	23. 04	40. 52	26. 82	30. 71	9. 10	64	73. 00	———	———	———	———	———	42. 88
37	21. 38	28. 82	23. 63	40. 64	27. 17	32. 13	9. 33	65	77. 37	———	———	———	———	———	46. 78
38	22. 33	29. 53	24. 22	40. 87	27. 52	33. 78	9. 45	66	82. 10	———	———	———	———	———	51. 15
39	22. 92	30. 24	24. 93	41. 11	27. 88	35. 56	9. 69	67	87. 18	———	———	———	———	———	55. 87
40	23. 74	30. 95	25. 63	41. 46	28. 47	37. 56	9. 92	68	92. 61	———	———	———	———	———	61. 07
41	24. 69	31. 78	26. 34	41. 70	28. 94	39. 66	10. 28	69	98. 40	———	———	———	———	———	66. 62
42	25. 52	32. 60	27. 17	42. 05	29. 53	42. 05	10. 51	70	104. 78	———	———	———	———	———	72. 77

Source of Tables 159 and 160: United States Veterans' Bureau.

No. 161.—GOVERNMENT LIFE INSURANCE: AMOUNT IN FORCE AND PREMIUMS PAID DIRECT TO VETERANS' BUREAU

NOTE.—See general note, p. 163. During the war premiums on term insurance were collected by the War and Navy Departments; thereafter direct by the Veterans' Bureau, except for those in service whose premiums were collected by deductions from payrolls and paid to the Veterans' Bureau

	Insurance policies in force June 30						Premiums paid direct to Veterans' Bureau during period or year ended June 30	
	Term insurance			Converted insurance				
	Total	Men in service	Men out of service	Total	Men in service	Men out of service	Term insurance	Converted insurance
Number:								
1922 [1]	300,926	48,335	252,591	280,852	25,005	255,847	11,921,657	3,266,200
1923	240,201	26,725	213,566	319,774	21,557	298,217	2,466,222	1,525,324
1924	200,385	18,913	190,472	353,215	19,576	333,639	2,090,855	1,712,810
1925	177,328	12,231	165,097	375,012	21,427	353,585	1,748,753	1,880,734
1926	130,103	6,655	123,448	423,557	25,560	397,997	1,500,111	2,060,421
1927	87,100	2,351	84,749	500,880	29,588	471,292	979,318	2,440,325
1928	266		266	660,108	31,893	628,215		3,593,159
1929	229		229	649,837	30,359	619,478		3,602,351
1930	204		204	648,044	34,504	613,540		(2)
Amount (1,000 dollars):								
1922 [1]	2,314,663	331,623	1,983,040	1,033,737	92,036	941,701	84,772	59,488
1923	1,854,146	183,359	1,670,787	1,216,004	81,979	1,134,025	17,401	30,919
1224	1,609,030	129,805	1,479,225	1,375,543	97,956	1,277,587	14,781	35,345
1925	1,372,091	89,597	1,282,494	1,492,937	111,694	1,381,243	13,105	39,388
1926	1,008,511	52,281	956,230	1,773,076	138,284	1,634,792	10,650	44,417
1927	672,075	19,308	652,767	2,220,970	170,174	2,050,796	7,258	54,047
1928	1,654		1,654	3,111,995	181,322	2,930,673	906	71,113
1929	1,342		1,342	3,058,577	176,615	2,881,962	552	69,263
1930	1,142		1,142	3,041,601	189,269	2,852,332	1,032	67,168

[1] Premiums collected are totals from origin to June 30, 1922. [2] Discontinued.

No. 162.—GOVERNMENT LIFE INSURANCE: CONVERTED INSURANCE ISSUED AND IN FORCE, BY PLAN

Plan	Issued to June 30, 1930					In force June 30, 1929	
	Number	Amount (1,000 dollars)	Average policy	Per cent of total		Number	Amount (1,000 dollars)
				Number	Amount		
Total	841,871	3,758,386	$4,464	100.00	100.00	648,044	3,041,601
Ordinary life	174,982	899,117	5,138	20.79	23.92	137,558	738,635
20-payment life	208,570	887,261	4,254	24.77	23.61	167,163	733,155
30-payment life	33,280	168,565	5,065	3.95	4.48	28,684	147,347
20-year endowment	215,423	572,828	2,659	25.59	15.24	126,535	374,097
30-year endowment	42,730	180,351	4,221	5.08	4.80	34,537	147,910
Endowment at age 62	40,945	197,145	4,815	4.86	5.25	34,541	168,116
Convertible term	125,941	853,129	6,774	14.96	22.70	98,218	669,621
Extended insurance						20,778	62,720

No. 163.—GOVERNMENT LIFE INSURANCE FUND: FINANCIAL STATEMENT OF FUNDS FROM ORIGIN, MAY 31, 1919, TO JUNE 30, 1930

	Total to June 30, 1930	Year ended June 30, 1930		Total to June 30, 1930	Year ended June 30, 1930
Income, total	$568,078,528	$84,709,336	Disbursements, total—Con.		
Premiums	456,936,709	65,081,355	Dividends	$31,999,687	$6,466,682
Interest on investments	57,168,935	9,124,593	Interest on dividend deposits	2,088	874
Repayments under sec. 302, World War Veterans' act 1924	45,179,718	8,234,717	Payments on matured endowments	186,129	97,994
Profit on sale of investments	4,616,003	1,250,082			
Interest on loans	4,101,854	996,324	Balance, total	450,353,033	
Interest on premiums	73,309	22,265	Investment and interest	176,618,935	
			Loans on adjusted-service certificates	206,777,873	
Disbursements, total	117,723,495	24,677,348	Loans on policies	64,979,269	
Paid on claims	73,913,868	15,900,397	Cash on hand	1,976,956	
Paid on surrenders	11,621,723	2,211,401			

Source of Tables 161, 162, and 163: United States Veterans' Bureau.

No. 164.—HOSPITALIZATION: UNITED STATES VETERANS' BUREAU BENEFICIARIES, YEARS ENDED JUNE 30

NOTE.—See general note, p. 163

Groups of hospitals	Capacity	Average daily patients, period of operation	Patients remaining at expiration of year				Personnel on duty at close of year	Operating expenses	Per diem cost
			Total	Tuberculosis	Neuropsychiatric	General			
All hospitals:									
1923	-------	24,526	23,604	9,886	9,403	4,315	-------	-------	-------
1924	-------	22,158	22,726	8,831	9,875	4,020	-------	-------	-------
1925	-------	27,447	26,631	9,660	12,139	4,832	-------	-------	-------
1926	-------	27,012	25,858	7,863	12,902	5,093	-------	-------	-------
1927	-------	26,386	25,318	6,956	12,748	5,614	-------	-------	-------
1928	-------	26,372	26,139	6,542	13,057	6,540	-------	-------	-------
1929	-------	27,042	27,784	6,547	13,781	7,456	-------	-------	-------
1930	-------	29,513	30,447	6,733	15,035	8,679	-------	-------	-------
U. S. Veterans' Bureau hospitals:									
1923	18,693	12,264	10,429	4,773	3,438	2,218	9,889	$21,839,009	[1] $4.91
1924	15,616	11,274	11,984	4,986	5,182	1,816	10,178	19,484,142	[1] 4.55
1925	20,504	15,855	15,743	6,013	7,433	2,297	12,818	23,354,485	[1] 4.04
1926	20,483	16,569	16,241	5,299	8,462	2,480	12,662	25,321,554	[1] 4.19
1927	20,640	17,305	16,911	5,023	9,081	2,807	12,653	25,282,431	[1] 4.00
1928	21,233	17,849	17,906	4,854	10,044	3,008	13,542	26,091,386	[1] 4.00
1929	22,077	19,326	19,299	5,035	10,941	3,323	13,614	28,178,406	[1] 4.01
1930	22,508	20,259	20,782	5,136	12,034	3,612	12,297	28,520,157	[1] 3.86
1930									
U. S. marine hospitals	[2] 732	504	732	48	2	682	-------	-------	-------
U. S. Army hospitals	[2] 2,237	1,966	1,951	531	174	1,246	-------	-------	-------
U. S. Navy hospitals	[2] 3,403	2,714	2,803	108	332	2,363	-------	-------	-------
National soldiers' homes	[2] 2,069	1,577	1,736	493	790	453	-------	-------	-------
Interior Department (St. Elizabeths)	[2] 352	347	352	-------	352	-------	-------	-------	-------
Contract hospitals	-------	1,986	2,091	417	1,351	323	-------	-------	-------

[1] Excludes hospitals which operated for only part of year under unnatural conditions.
[2] Represents only those hospital beds made available to patients of the U. S. Veterans' Bureau.

Source: United States Veterans' Bureau.

No. 165.—ADJUSTED COMPENSATION AWARDS: NUMBER AND AMOUNT TO JUNE 30, 1930

Branch of service and claim	*Number*	Amount (1,000 dollars)	*Branch of service and claim*	*Number*	Amount (1,000 dollars)
Grand total	**3,680,787**	**3,536,628**	**Navy, total**—Continued.		
			Dependents (over $50)[1]	8,852	3,626
Army, total	**3,153,762**	**2,990,582**	Certificates	442,051	470,900
Cash (less than $50):			$60 lump sum payments	----------	192
Veterans	114,505	4,052			
Dependents	6,269	171	**Marine Corps, total**	**66,545**	**70,098**
Dependents (over $50)[1]	87,267	30,431	Cash (less than $50):		
Certificates	2,945,721	2,953,533	Veterans	461	15
$60 lump sum payments	----------	2,395	Dependents	61	2
			Dependents (over $50)[1]	2,421	908
Navy, total	**460,460**	**474,946**	Certificates	63,602	69,028
Cash (less than $50):			$60 lump sum payments	----------	85
Veterans	9,091	246			
Dependents	486	12			

[1] Payments of more than $50 to dependents are made in 10 equal quarterly installments.

Source: United States Veterans' Bureau.

No. 166.—CIVIL SERVICE RETIREMENT: SUMMARY, YEARS ENDED JUNE 30

NOTE.—Retirement for civil service employees was established by act of May 22, 1920. Under this act and amendments of July 3, 1926, and May 29, 1930 (effective July 1, 1930) employees of the classified service with competitive status, most of the principal groups of unclassified laborers, and certain other groups 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 two years before reaching the retirement age where they have rendered at least 30 years of service and also provides for the retirement of those in the service not less than 5 years who, before reaching the retirement age, become disabled. From the basic compensation of each employee within the scope of the acts there is deducted 3½ per cent (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 and (2) the amount of annuity purchasable with the sum credited to the individual's account together with interest at 4 per cent per annum

[All money figures in thousands of dollars, except as indicated]

June 30 or year ended June 30—	Number of annuitants on roll			Civil service retirement and disability fund							
				Receipts			Disbursements				
	Total	Retired for age	Retired for disability	Total	Salary deductions	Interest, profits, etc.	Total	Annuities	Refunds	Balance in fund June 30	Administrative expense
1921	6,471	[1]	[1]	12,586	12,514	73	[2] 2,914	2,591	323	9,673	51
1922	7,576	6,667	909	14,854	14,266	587	[2] 6,392	4,188	2,203	18,134	50
1923	9,334	7,994	1,340	15,156	14,113	1,043	[2] 7,780	4,994	2,786	25,510	50
1924	10,548	8,895	1,653	16,632	15,109	1,523	8,557	5,692	2,864	33,586	66
1925	11,689	9,741	1,948	20,029	17,905	2,124	8,949	6,230	2,713	44,666	74
1926	12,524	10,277	2,247	20,174	17,872	2,302	10,210	6,767	3,444	54,629	74
1927	14,119	11,353	2,766	27,168	24,356	2,813	13,461	9,598	3,862	68,337	76
1928	15,383	12,173	3,210	29,503	26,455	3,048	14,762	10,990	3,771	83,078	76
1929	16,501	12,921	3,580	[3] 52,520	28,020	4,550	16,072	12,005	4,067	119,525	83
1930	17,768	13,774	3,994	[3] 55,427	29,028	5,899	18,157	13,108	5,049	156,795	81

	1929	1930
Number on the roll June 30 by—		
Sex—		
Male	15,148	16,314
Retired for age	12,098	12,885
Retired for disability	3,050	3,429
Female	1,353	1,454
Retired for age	826	889
Retired for disability	527	565
Departments—		
State	6	6
Treasury	1,511	1,590
War	1,668	1,755
Justice	40	43
Post Office	8,874	9,672
Navy	2,145	2,303
Interior	670	718
Agriculture	327	369
Commerce	177	193
Labor	82	89
District of Columbia	99	104
Government Printing Office	543	547
Superintendent of Public Buildings and Parks	70	74
Interstate Commerce Commission	13	16
Veterans' Bureau	50	54
Architect of the Capitol	12	13
Library of Congress	19	20
General Accounting Office	128	123
Smithsonian Institution	13	19
All others	54	60

	1929	1930
Number on the roll June 30 by—		
Vocations—		
Mechanics	3,512	3,750
City letter carriers	2,988	3,305
Rural letter carriers	2,683	2,864
Post-office clerks	1,408	1,651
Railway postal clerks	1,290	1,356
Departmental and other	3,393	3,522
Laborers, classified and unclassified	1,008	1,094
Hazardous occupations and tropical service	159	226
Rates received—		
Less than $100	10	12
Between $100 and $200	127	127
Between $200 and $300	436	437
Between $300 and $400	827	842
Between $400 and $500	1,685	1,643
Between $500 and $600	1,630	1,678
Between $600 and $700	1,687	1,735
Between $700 and $800	1,935	2,074
Between $800 and $900	2,481	2,672
Between $900 and $999.96	1,750	1,919
The maximum, $999.96	3,933	4,029
Average annuity	$746	$759

[1] Not available.
[2] Includes a small amount of Treasury settlements not shown separately.
[3] Includes $19,950,000 in 1929 and $20,500,000 in 1930 appropriated from the general fund of the Treasury.

Source: Commissioner of Pensions.

No. 167.—EXECUTIVE CIVIL SERVICE AND THE MERIT SYSTEM

June 30—	Approximate number of employees	Approximate number of classified employees	June 30—	Approximate number of employees	Approximate number of classified employees	June 30—	Approximate number of employees	Approximate number of classified employees
1816	6,327		1895	189,000	54,222	1921 (July 31)	597,482	448,112
1821	8,211		1901	256,000	106,205	1922	560,863	420,088
1831	19,800		1905	340,000	171,807	1923	548,531	411,398
1841	23,700		1909	370,000	234,940	1924	554,986	415,593
1851	33,300		1911	370,000	227,657	1925	564,718	423,538
1861	40,200		1913	443,605	282,597	1926	560,705	422,300
1871	53,900		1915	401,993	292,298	1927	559,138	422,998
1881	107,000		1916	438,057	296,926	1928	568,715	431,763
1884(Jan.15)		13,780	1918 (Nov. 11)	917,760	642,432	1929	587,665	445,957
1891	166,000	33,873	1920 (July 31)	601,116	497,603	1930	608,915	462,083

No. 168.—EMPLOYEES IN THE FEDERAL EXECUTIVE CIVIL SERVICE

NOTE.—Does not include legislative or judicial services nor the commissioned, warranted, or enlisted personnel of the military, naval, Marine Corps, or Coast Guard services. The government of the District of Columbia is also not included

Department or office	Total				Dec. 31, 1930				
	June 30, 1916	July 31, 1921	Dec. 31, 1926	Dec. 31, 1929	Total	In District of Columbia		Outside District of Columbia	
						Male	Female	Male	Female
Total	438,057	597,482	546,341	589,145	595,456	41,207	29,982	460,086	64,181
Department of State	2,783	3,733	4,270	4,555	4,858	399	363	2,924	1,172
Department of the Treasury	30,629	73,230	51,519	52,830	50,475	5,550	7,794	30,638	6,493
Department of War	37,695	68,544	37,076	47,130	44,263	2,496	1,707	30,720	9,340
Department of Justice	2,610	3,081	3,671	4,392	7,913	755	428	5,219	1,511
Post Office Department	250,885	288,575	[1] 308,164	[1] 317,316	[1] 315,724	3,191	858	284,559	[2] 27,116
Department of the Navy	35,722	69,749	42,500	49,320	47,393	5,386	1,196	38,512	2,299
Department of the Interior	19,347	19,705	12,201	14,377	14,594	2,018	1,102	8,931	2,543
Department of Agriculture	18,736	19,179	20,624	24,400	26,050	3,156	2,303	17,585	3,006
Department of Commerce	9,903	13,046	14,537	17,407	24,010	5,191	5,944	11,764	1,111
Department of Labor	2,504	3,833	4,041	4,732	5,064	336	399	3,630	699
Government Printing Office	4,028	4,464	4,142	4,408	4,828	3,840	988		
Smithsonian Institution	784	487	488	536	545	401	144		
Interstate Com. Com'n	2,243	1,919	1,856	2,106	2,386	1,233	369	755	29
Civil Service Commission	250	385	444	533	634	169	252	117	96
Bureau of Efficiency	27	55	51	67	45	31	14		
Federal Trade Commission	238	318	302	397	492	312	138	30	12
Shipping Board [3]		6,575	1,551	1,311	1,170	409	286	357	118
Alien Property Custodian		162	233	186	145	79	66		
Tariff Commission		99	231	227	265	139	97	13	16
Employees' Comp. Com'n		79	68	170	177	38	78	25	36
Fed. Bd. for Voca'l Education		6,411	69	81	83	39	44		
The Panama Canal	19,291	9,355	9,690	12,939	10,913	63	14	10,304	532
Public Buildings and Parks of the National Capital	217	1,229	2,274	2,481	2,874	2,241	633		
General Accounting Office		1,544	1,984	1,971	1,966	1,216	750		
Veterans' Bureau			23,587	24,197	27,320	2,032	3,555	13,707	8,026
Railroad Administration [4]		1,327	95	15	14	10	4		
War Finance Corporation [4]		(5)	103	16	11	9	2		
National Advisory Committee for Aeronautics		(5)	164	241	277	19	21	220	17
Federal Reserve Board [4]	(5)	(5)	204	225	199	88	94	17	
Board of Tax Appeals			109	146	151	66	85		
Miscellaneous	165	322	84	427	617	295	254	59	9

	June 30, 1916	Nov. 11, 1918	July 31, 1921	Dec. 31, 1926	Dec. 31, 1928	Dec. 31, 1929	Dec. 31, 1930
Total	438,057	[2] 917,760	597,482	546,341	573,107	589,145	595,456
In District of Columbia	39,442	117,760	78,865	59,569	62,140	63,946	71,189
Outside District of Columbia	398,615	[2] 800,000	518,617	486,772	510,967	525,199	524,267

[1] Does not include clerks at fourth-class offices (33,259 in 1930), who are employed and paid by the postmaster, and mail messengers (22,204 in 1930), because not included in previous computations.
[2] Approximate.
[3] Figures include administrative offices of Emergency Fleet Corporation but not workmen at shipyards or in warehouses or employees on vessels.
[4] Positions not subject to the civil service act.
[5] Separate figures not available. Included in miscellaneous.

Source of Tables 167 and 168: The Civil Service Commission.

No. 169.—CIVIL SERVICE: Number of Persons Examined by the Civil Service Commission, Number and Per Cent Who Passed, Number Appointed, and Approximate Number of Competitive Positions

Year ended June 30—	Total						Post office service [1]				Railway Mail Service [2]				All other services			
	Classified competitive positions [3]	Examined	Passed	Per cent that passed	Appointed	Per cent appointed of those that passed	Classified competitive positions [3]	Examined	Passed	Appointed	Classified competitive positions [3]	Examined	Passed	Appointed	Classified competitive positions [3]	Examined	Passed	Appointed
1885 [4]	15,590	6,347	4,141	65.2	1,800	43.5	7,509	3,233	2,262	1,249					8,090	3,114	1,879	551
1890	30,626	22,994	13,947	60.7	5,182	37.2	13,097	11,193	6,904	2,850	5,836	4,463	3,129	1,400	11,693	7,338	3,914	932
1895	48,317	31,036	19,811	63.8	4,793	24.2	25,000	19,438	12,802	3,348	7,045	4,641	3,107	643	16,272	6,957	3,902	802
1900	94,893	46,602	34,965	75.0	9,889	28.3	37,000	16,584	11,447	3,931	8,696	4,488	3,844	736	49,197	25,530	19,674	5,222
1905	171,807	143,053	111,741	78.1	38,996	34.9	81,596	52,550	41,978	16,297	12,171	6,972	4,218	1,558	78,040	83,531	65,545	21,141
1908	206,638	161,793	120,760	74.6	42,153	34.9	102,127	52,363	37,850	12,169	15,230	9,674	5,999	1,607	89,281	99,756	76,911	28,377
1909	234,940	158,484	123,449	77.9	40,943	33.2	122,711	57,568	45,468	11,441	15,967	15,724	11,336	1,392	96,262	85,192	66,645	28,110
1910	222,278	115,644	87,769	75.9	43,585	49.7	126,131	37,253	30,170	11,812	16,956	52	39	2,271	79,191	78,339	57,560	29,502
1911	227,657	105,024	70,159	66.8	23,256	33.2	127,228	42,750	34,149	9,328	17,428	8,972	6,760	1,982	83,001	53,302	29,250	11,946
1912	217,392	106,078	59,251	55.9	20,969	35.4	115,905	40,256	26,133	8,706	18,297	11,273	3,036	770	83,190	54,549	30,082	11,493
1913	282,597	141,905	94,390	66.5	[5] 35,154	37.2	161,846	59,181	39,810	14,905	19,620	18,340	9,616	1,270	101,131	64,384	44,964	18,979
1914	292,460	215,587	147,526	68.4	[6] 41,935	28.4	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	292,296	167,795	114,632	68.3	[6] 36,398	31.8	166,328	70,734	52,586	13,682	21,769	33	17	146	104,199	97,028	62,029	22,570
1916	296,926	154,722	113,980	73.7	42,057	36.9	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	86,312	55.0	167,639	51,416	38,560	19,569	21,191	13,975	10,433	43	138,069	146,723	107,934	66,700
1918	642,432	551,391	387,963	70.4	213,530	55.0	188,201	56,268	41,309	20,572	20,538	2,927	1,867	8,297	433,693	492,196	344,787	175,661
1919	569,745	438,259	299,826	68.4	179,533	59.9	190,081	58,459	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	60.0	196,449	58,922	39,667	17,181	21,717	12,866	7,571	4,269	279,437	221,539	146,667	94,859
1921	448,112	303,309	203,209	67.0	101,711	50.1	205,352	114,033	74,977	32,601	22,320	15,803	9,849	6,044	220,440	173,473	118,383	63,066
1922	420,688	206,007	128,952	62.6	63,867	49.5	209,533	70,120	43,934	25,186	22,227	12,890	8,694	910	188,928	122,997	76,274	37,771
1923	411,398	204,200	122,918	60.2	57,694	46.9	212,078	61,122	40,583	22,286	22,052	23,642	12,512	998	177,268	119,436	69,823	34,410
1924	415,593	222,915	133,506	59.9	68,287	51.1	222,276	77,862	52,575	27,237	22,073	25,510	10,969	2,129	171,244	119,543	69,962	38,921
1925	423,538	201,415	122,495	60.8	50,164	40.9	226,801	77,978	50,047	20,560	22,340	60	33	620	174,397	123,377	71,815	28,975
1926	422,300	202,846	105,964	52.2	36,992	34.9	230,021	89,835	42,591	16,561	22,340	113	87	280	169,939	112,898	63,286	20,151
1927	422,998	257,401	126,118	49.0	38,777	30.7	232,244	98,423	45,080	17,560	22,281	29,481	15,717	708	168,473	129,497	65,321	20,509
1928	431,763	236,997	123,830	52.2	37,796	30.5	238,449	100,576	49,279	15,720	21,343	194	90	785	171,971	136,227	74,461	21,291
1929	445,957	243,510	125,726	51.6	44,317	35.6	241,394	96,276	44,986	16,875	21,379	12	6	833	183,184	147,222	80,734	27,109
1930	462,083	267,429	132,991	49.7	38,281	28.8	250,525	80,115	39,665	13,560	21,443	10,645	3,895	721	190,115	176,669	89,431	24,000
Total from July 16, 1883		6,345,818	4,138,470	65.2	1,773,121	41.7		2,130,325	1,392,400	563,503		338,042	206,966	60,805		3,877,451	2,539,104	1,148,813

[1] Includes clerks, city carriers, village carriers, and employees in motor-vehicle service at classified post offices, rural carriers, fourth-class postmasters, and seapost clerks.
[2] Railway mail clerks, classified May 1, 1889. [3] At close of year or period; approximated. [4] Jan. 16, 1884, to Jan. 15, 1885.
[5] The large increase in field service figures for 1913 is due to the inclusion of navy-yard artisans' positions to the number of about 16,000 in the competitive classified service.
[6] 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.

Source: The Civil Service Commission

No. 170.—POPULAR VOTE FOR PRESIDENTIAL ELECTORS: BY PRINCIPAL POLITICAL PARTIES, TOTALS, 1888 TO 1928, AND BY STATES, 1928

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 and 1928, 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[1]	Prohibition	Total[2]
1888	5,444,337	5,540,050		146,897	250,124	11,381,408
1892	5,190,802	5,554,414		1,027,329	271,058	12,043,603
1896	7,035,638	[3] 6,467,946	[4] 36,454	131,529	141,676	13,813,243
1900	7,219,530	6,358,071	127,519	50,232	209,166	13,964,518
1904	7,628,834	5,084,491	436,184	114,753	259,257	13,523,519
1908	7,679,006	6,409,106	434,645	111,693	252,683	14,887,133
1912	3,483,922	6,286,214	926,090	4,126,020	208,923	15,031,169
1916	8,538,221	9,129,606	598,516	41,894	220,506	18,528,743
1920	16,152,200	9,147,353	950,974	265,411	189,408	26,705,346
1924	15,725,003	8,385,586	[4] 27,650	[1] 4,826,471	57,551	29,022,261
1928	21,392,190	15,016,443	289,023	6,390	20,106	36,879,414
Alabama	120,725	127,797	460			248,982
Arizona	52,533	38,537				91,254
Arkansas	77,751	119,196	429			197,693
California	1,162,323	614,365	19,595			1,796,656
Colorado	253,872	133,131	3,472	1,092		392,242
Connecticut	296,614	252,040	3,641			553,031
Delaware	68,860	36,643	329			105,891
Florida	144,168	101,764	4,036			253,674
Georgia	63,498	129,602	124			[5] 229,159
Idaho	99,848	53,074	1,308			154,230
Illinois	1,769,141	1,313,817	20,050			3,107,489
Indiana	848,290	562,691	4,516		5,496	1,421,314
Iowa	623,818	378,936	3,190	3,988		1,009,362
Kansas	513,672	193,003	6,205			713,200
Kentucky	556,064	381,070	1,177			940,604
Louisiana	51,160	164,655				215,833
Maine	179,923	81,179	1,068			262,171
Maryland	301,479	223,026	[6] 2,607			528,348
Massachusetts	775,566	792,758	7,035			1,577,827
Michigan	965,396	396,762	4,315		2,728	1,372,082
Minnesota	560,977	396,451	[6] 8,695			970,976
Mississippi	27,153	124,539				151,692
Missouri	834,080	662,562	4,079			1,500,721
Montana	113,300	78,578	1,667			194,108
Nebraska	345,745	197,959	3,434			547,138
Nevada	18,327	14,090				32,417
New Hampshire	115,404	80,715	456			196,747
New Jersey	926,050	616,517	5,397		160	1,549,381
New Mexico	69,645	48,211				118,014
New York	2,193,344	2,089,863	111,543			4,466,072
North Carolina	348,902	287,078				636,070
North Dakota	131,441	106,648	842			239,867
Ohio	1,627,546	864,210	10,198		3,556	2,508,346
Oklahoma	394,046	219,174	3,924	1,283		618,427
Oregon	205,341	109,223	4,284			319,942
Pennsylvania	2,055,382	1,067,586	[6] 19,027		3,880	3,150,615
Rhode Island	117,522	118,973	416			242,784
South Carolina	3,188	62,700	47			[5] 68,605
South Dakota	157,603	102,660	443	927		261,865
Tennessee	195,388	167,343	631			363,473
Texas	367,036	341,032	722			708,999
Utah	94,618	80,985	954			176,608
Vermont	90,404	44,440			338	135,194
Virginia	164,609	140,146	430			305,351
Washington	335,844	156,772	6,683			500,840
West Virginia	375,551	263,784	1,313		1,703	642,752
Wisconsin	544,205	450,259	18,594		2,245	1,016,872
Wyoming	52,748	29,299	788			84,496

[1] See headnote.

[2] Figures prior to 1928 do not include votes cast for names not appearing on the electoral tickets specified in the table. In 1928 they represent the entire vote cast, including 48,770 votes (35 States) cast for the Workers electors and 67,951 scattering, defective, blank, and void ballots.

[3] Democrat-Populist.

[4] 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.

[5] Total for Georgia includes 35,871 anti-Smith votes; for South Carolina, 2,670.

[6] Maryland includes 906 Labor votes; Minnesota and Pennsylvania, 1,921 and 380 Industrial votes, respectively.

Sources: 1888–1920, reports of State officials on file in the Department of State; 1924 and 1928, data compiled by William Tyler Page, Clerk of the House of Representatives.

No. 171.—ELECTORAL VOTE FOR PRESIDENT: BY PRINCIPAL POLITICAL PARTIES AND BY STATES, 1908 TO 1928

NOTE.—In 1924, the 13 electoral votes of Wisconsin were cast for La Follette and Wheeler, Independent Progressive candidates

State	1908		1912			1916		1920		1924		1928	
	Republican	Democratic	Republican	Democratic	Progressive	Republican	Democratic	Republican	Democratic	Republican	Democratic	Republican	Democratic
Total	321	162	8	435	88	254	277	404	127	382	136	444	87
Plurality	159	.....	.....	347	.....	.....	23	277	.....	246	.....	357	.....
Alabama	.....	11	.....	12	.....	.....	12	.....	12	.....	12	.....	12
Arizona	.....	.....	.....	3	.....	.....	3	3	.....	3	.....	3	.....
Arkansas	.....	9	.....	9	.....	.....	9	.....	9	.....	9	.....	9
California	10	.....	.....	2	11	.....	13	13	.....	13	.....	13	.....
Colorado	.....	5	.....	6	.....	.....	6	6	.....	6	.....	6	.....
Connecticut	7	.....	.....	7	.....	7	.....	7	.....	7	.....	7	.....
Delaware	3	.....	.....	3	.....	3	.....	3	.....	3	.....	3	.....
Florida	.....	5	.....	6	.....	.....	6	.....	6	.....	6	6	.....
Georgia	.....	13	.....	14	.....	.....	14	.....	14	.....	14	.....	.....
Idaho	3	.....	.....	4	.....	.....	4	4	.....	4	.....	4	14
Illinois	27	.....	.....	29	.....	29	.....	29	.....	29	.....	29	.....
Indiana	15	.....	.....	15	.....	15	.....	15	.....	15	.....	15	.....
Iowa	13	.....	.....	13	.....	13	.....	13	.....	13	.....	13	.....
Kansas	10	.....	.....	10	.....	.....	10	10	.....	10	.....	10	.....
Kentucky	.....	13	.....	13	.....	.....	13	.....	13	13	.....	13	.....
Louisiana	.....	9	.....	10	.....	.....	10	.....	10	.....	10	.....	10
Maine	6	.....	.....	6	.....	6	.....	6	.....	6	.....	6	.....
Maryland	2	6	.....	8	.....	.....	8	8	.....	8	.....	8	.....
Massachusetts	16	.....	.....	18	.....	18	.....	18	.....	18	.....	.....	18
Michigan	14	.....	.....	.....	15	15	.....	15	.....	15	.....	15	.....
Minnesota	11	.....	.....	.....	12	12	.....	12	.....	12	.....	12	.....
Mississippi	.....	10	.....	10	.....	.....	10	.....	10	.....	10	.....	10
Missouri	18	.....	.....	18	.....	.....	18	18	.....	18	.....	18	.....
Montana	3	.....	.....	4	.....	.....	4	4	.....	4	.....	4	.....
Nebraska	.....	8	.....	8	.....	.....	8	8	.....	8	.....	8	.....
Nevada	.....	3	.....	3	.....	.....	3	3	.....	3	.....	3	.....
New Hampshire	4	.....	.....	4	.....	.....	4	4	.....	4	.....	4	.....
New Jersey	12	.....	.....	14	.....	14	.....	14	.....	14	.....	14	.....
New Mexico	.....	.....	.....	3	.....	.....	3	3	.....	3	.....	3	.....
New York	39	.....	.....	45	.....	45	.....	45	.....	45	.....	45	.....
North Carolina	.....	12	.....	12	.....	.....	12	.....	12	.....	12	12	.....
North Dakota	4	.....	.....	5	.....	.....	5	5	.....	5	.....	5	.....
Ohio	23	.....	.....	24	.....	.....	24	24	.....	24	.....	24	.....
Oklahoma	.....	7	.....	10	.....	.....	10	10	.....	.....	10	10	.....
Oregon	4	.....	.....	5	.....	5	.....	5	.....	5	.....	5	.....
Pennsylvania	34	.....	.....	.....	38	38	.....	38	.....	38	.....	38	.....
Rhode Island	4	.....	.....	5	.....	5	.....	5	.....	5	.....	.....	5
South Carolina	.....	9	.....	9	.....	.....	9	.....	9	.....	9	.....	9
South Dakota	4	.....	.....	.....	5	5	.....	5	.....	5	.....	5	.....
Tennessee	.....	12	.....	12	.....	.....	12	12	.....	.....	12	12	.....
Texas	.....	18	.....	20	.....	.....	20	.....	20	.....	20	20	.....
Utah	3	.....	4	.....	.....	.....	4	4	.....	4	.....	4	.....
Vermont	4	.....	4	.....	.....	4	.....	4	.....	4	.....	4	.....
Virginia	.....	12	.....	12	.....	.....	12	.....	12	.....	2	12	.....
Washington	5	.....	.....	.....	7	.....	7	7	.....	7	.....	7	.....
West Virginia	7	.....	.....	8	.....	7	1	8	.....	8	.....	8	.....
Wisconsin	13	.....	.....	13	.....	13	.....	13	.....	(1)	(1)	13	.....
Wyoming	3	.....	.....	3	.....	.....	3	3	.....	3	.....	3	.....

[1] See headnote.

Sources: 1908 to 1920, Journal of the Senate, Washington, D. C; 1924 and 1928, data compiled by William Tyler Page, Clerk of the House of Representatives.

No. 172.—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 fixed by Congress as the basis of determining the number of Representatives per State. No apportionment under Census of 1920

State	Ratios under Constitution and consuses														
	Constitution	1790	1800	1810	1820	1830	1840	1850 [1]	1860 [2]	1870 [3]	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	232	237	243	293	332	357	391	435	435
Alabama				[4] 1	3	5	7	7	6	8	8	9	9	10	9
Arizona														[5] 1	1
Arkansas						[4] 1	1	2	3	4	5	6	7	7	7
California							[4] 2	2	3	4	6	7	8	11	20
Colorado										[4] 1	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							[4] 1	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											[4] 1	1	1	2	2
Illinois				[4] 1	1	3	7	9	14	19	20	22	25	27	27
Indiana				[4] 1	3	7	10	11	11	13	13	13	13	13	12
Iowa							[4] 2	2	6	9	11	11	11	11	9
Kansas									1	3	7	8	8	8	7
Kentucky		2	6	10	12	13	10	10	9	10	11	11	11	11	9
Louisiana				[4] 1	3	3	4	4	5	6	6	6	7	8	8
Maine				[6] 7	7	8	7	6	5	5	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						[4] 1	3	4	6	9	11	12	12	13	17
Minnesota								[4] 2	2	3	5	7	9	10	9
Mississippi				[4] 1	1	2	4	5	5	6	7	7	8	8	7
Missouri					1	2	5	7	9	13	14	15	16	16	13
Montana											[4] 1	1	1	2	2
Nebraska									[4] 1	1	3	6	6	6	5
Nevada									[4] 1	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														[5] 1	1
New York	6	10	17	27	34	40	34	33	31	33	34	34	37	43	45
North Carolina	5	10	12	13	13	13	9	8	7	8	9	9	10	10	11
North Dakota											[4] 1	1	2	3	2
Ohio			[4] 1	6	14	19	21	21	19	20	21	21	21	22	24
Oklahoma													[4] 5	8	9
Oregon								[4] 1	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											[4] 2	2	2	3	2
Tennessee		[4] 1	3	6	9	13	11	10	8	10	10	10	10	10	9
Texas							[4] 2	2	4	6	11	13	16	18	21
Utah												[4] 1	1	2	2
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											[4] 1	2	3	5	6
West Virginia										3	4	4	5	6	6
Wisconsin							[4] 2	3	6	8	9	10	11	11	10
Wyoming											[4] 1	1	1	1	1

[1] Membership increased from 233 to 234 by act of July 30, 1852. (10 Stat. L., 25.)
[2] Membership increased from 233 to 241 by act of Mar. 4, 1862. (12 Stat. L., 353.)
[3] Membership originally fixed at 283 but increased by act of May 30, 1872, to 292. (17 Stat. L., 192.)
[4] Assigned after apportionment.
[5] Included in apportionment act in anticipation of its becoming a State.
[6] 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., 565.)

Source: Reports of the Bureau of the Census, Department of Commerce.

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. In order to show the actual receipts and expenditures for any month or year, it is necessary to take into account these delayed reports. The figures for actual transactions during a month or year which are calculated by the use of these 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. For 1923 to 1926, certain receipts credited direct to appropriations were not included in total receipts shown on a warrant basis (though included in cash receipts) but instead operated to reduce expenditures; subsequently they were credited to receipts. Under normal conditions the unexpended balances of disbursing offices vary comparatively little from year to year, and other adjustments are small, but during a war period or a period of postwar adjustments differences in these items may be large and may cause marked discrepancies between figures shown on a cash as compared with a warrant basis. For example, the liquidation of the War Finance Corporation has caused some very large differences between figures of Government expenditures on these bases during the past decade.

Expenditures on the basis of checks issued (Table 178) 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.

All figures for receipts and expenditures include the figures of postal surpluses or deficiencies only and consequently leave out the gross figures of postal revenues and expenditures.

No. 173.—ORDINARY RECEIPTS AND EXPENDITURES CHARGEABLE AGAINST ORDINARY RECEIPTS: SUMMARY

NOTE.—Figures are on the "current cash" basis shown by daily Treasury statements, unrevised

[All figures in millions and tenths of millions of dollars]

Year ended June 30—	Ordinary receipts					Expenditures chargeable against ordinary receipts			Surplus (+) or deficit (−)
	Total	Customs	Income and profits tax	Miscellaneous internal revenue	Miscellaneous revenue	Total	Ordinary	Public debt retirements	
1916	782.5	213.2	124.9	387.8	56.6	734.1	734.1	----------	+48.5
1917	1,124.3	226.0	359.7	449.7	89.0	1,977.7	1,977.7	----------	−853.4
1918	3,664.6	180.0	2,314.0	872.0	298.6	12,697.8	12,696.7	1.1	−9,033.3
1919	5,152.3	184.5	3,018.8	1,296.5	652.5	18,522.9	18,514.9	8.0	−13,370.6
1920	6,694.6	322.9	3,944.9	1,460.1	966.6	6,482.1	6,403.3	78.7	+212.5
1921	5,624.9	308.6	3,206.0	1,390.4	719.9	5,538.2	5,115.9	422.3	+86.7
1922	4,109.1	356.4	2,068.1	1,145.1	539.4	3,795.3	3,372.6	422.7	+313.8
1923	4,007.1	561.9	1,678.6	945.9	820.7	3,697.5	3,294.6	402.9	+309.7
1924	4,012.0	545.6	1,842.1	953.0	671.3	3,506.7	3,048.7	458.0	+505.4
1925	3,780.1	547.6	1,760.5	828.6	643.4	3,529.6	3,063.1	466.5	+250.5
1926	3,962.8	579.4	1,982.0	855.6	545.7	3,585.0	3,097.6	487.4	+377.8
1927	4,129.4	605.5	2,225.0	644.4	654.5	3,493.6	2,974.0	519.6	+635.8
1928	4,042.3	569.0	2,174.0	621.0	678.4	3,643.5	3,103.3	540.3	+398.8
1929	4,033.3	602.3	2,330.7	607.3	493.0	3,848.5	3,298.9	549.6	+184.8
1930	4,177.9	587.0	2,411.0	628.3	551.6	3,994.2	3,440.3	553.9	+183.8
1931	3,317.2	378.4	1,860.4	569.4	509.1	4,220.0	3,779.9	440.1	−902.7

Source: Annual Report of the Secretary of the Treasury.

No. 174.—RECEIPTS AND EXPENDITURES OF THE GOVERNMENT

NOTE.—In thousands of dollars. Figures are on the basis of warrants issued (net); see general note, p. 173

Yearly average or year ended June 30—	Ordinary receipts	Ordinary expenditures	Public-debt retirements chargeable against ordinary receipts	Surplus (+) or deficit (−), ordinary	Public-debt receipts, proceeds of bonds, and other securities [1]	Public-debt retirements chargeable against public-debt receipts and surplus revenues [1]	Postal revenues, excluding surplus postal receipts covered into the Treasury [2]	Postal expenditures, excluding postal deficiencies [2]
1791–1800	6,765	6,835	----------	−70	2,726	2,394	138	127
1801–1810	13,055	9,086	----------	+3,969	[3] 296	4,261	403	390
1811–1820	21,032	23,942	----------	−2,910	11,095	8,325	862	823
1821–1830	21,923	16,161	----------	+5,762	[3] 1,500	6,780	1,400	1,416
1831–1840	30,460	24,494	----------	+5,966	[3] 2,516	[3] 5,932	3,347	3,272
1841–1850	27,117	32,392	----------	−5,275	[3] 12,550	6,762	4,391	4,359
1851–1860	60,237	60,162	----------	+75	7,306	7,698	6,798	6,947
1861–1865	160,907	683,735	----------	−522,878	776,719	254,381	10,961	10,357
1866–1870	447,300	377,642	----------	+69,658	330,503	377,607	16,422	17,443
1871–1875	336,330	287,459	----------	+49,370	89,352	148,818	23,642	23,661
1876–1880	288,124	255,598	----------	+32,526	227,036	238,662	29,762	29,253
1881–1885	366,961	257,691	----------	+109,270	61,348	167,671	42,011	42,466
1883	398,288	265,408	----------	+132,879	304,373	438,431	45,509	43,253
1884	348,520	244,126	----------	+104,394	1,405	101,266	43,326	47,233
1885	323,691	260,227	----------	+63,464	58	46,043	42,561	45,509
1886	336,440	242,483	----------	+93,957	40	44,584	43,948	42,823
1887	371,403	267,932	----------	+103,471	41	127,959	48,838	46,481
1888	370,266	267,925	----------	+111,341	49	74,862	52,695	53,412
1889	387,050	299,289	----------	+87,761	24	121,289	56,178	58,476
1890	403,081	318,041	----------	+85,040	22	104,064	60,882	59,408
1891	392,612	365,774	----------	+26,839	14	101,003	65,932	68,341
1892	354,938	345,023	----------	+9,914	15	24,348	70,930	72,900
1893	385,820	383,478	----------	+2,342	23	710	75,897	75,667
1894	306,355	367,525	----------	−61,170	50,014	256	75,080	76,808
1895	324,729	356,195	----------	−31,466	81,165	2,495	76,083	76,197
1896	338,142	352,179	----------	−14,037	131,169	7,294	82,499	81,643
1897	347,722	365,774	----------	−18,052	3	11,379	82,665	82,948
1898	405,321	443,369	----------	−38,047	6	29,042	89,013	87,563
1899	515,961	605,072	----------	−89,112	199,201	14,622	95,021	93,440
1900	567,241	520,861	----------	+46,380	118	22,790	102,355	100,534
1901	587,685	524,617	----------	+63,068	4	36,113	111,631	110,658
1902	562,478	485,234	----------	+77,244	2	56,224	121,848	122,407
1903	561,881	517,006	----------	+44,875	2	16,609	134,224	136,043
1904	541,087	583,660	----------	−42,573	3	18,623	143,583	145,893
1905	544,275	567,279	----------	−23,004	3	605	152,827	152,356
1906	594,984	570,202	----------	+24,782	2	245	167,933	165,802
1907	665,860	579,129	----------	+86,732	30,005	30,373	183,586	182,648
1908	601,862	652,196	----------	−57,334	40,068	34,357	191,479	195,501
1909	604,320	693,744	----------	−89,423	30,000	15,435	203,502	201,541
1910	675,512	693,617	----------	−18,105	----------	761	224,129	221,515
1911	701,833	691,202	----------	+10,631	17,642	216	237,880	237,661
1912	692,609	689,881	----------	+2,728	32,818	121	246,744	246,961
1913	724,111	724,512	----------	−401	1,930	103	266,620	261,082
1914	734,673	735,081	----------	−408	3,119	109	284,135	283,558
1915	697,911	760,587	----------	−62,676	934	48	283,748	291,945
1916	782,535	741,997	----------	+40,538	1,804	36	312,058	300,728
1917	1,124,325	2,086,042	----------	−961,717	2,390,725	636,981	324,526	319,890
1918	4,180,425	13,791,908	----------	−9,611,483	16,964,910	7,685,268	340,345	322,628
1919	4,654,381	18,952,141	----------	−14,297,760	29,053,332	15,813,848	346,333	362,161
1920	6,704,414	6,141,745	----------	+562,669	15,835,274	17,013,020	431,937	418,607
1921	5,584,517	4,468,713	422,562	[4] +693,242	8,824,739	8,721,752	463,491	480,506
1922	4,103,597	3,195,685	422,353	[4] +485,559	5,910,931	6,500,585	484,772	481,316
1923	3,847,046	3,244,717	402,958	[4] +199,371	7,259,181	7,486,748	532,828	524,306
1924	3,884,041	2,946,401	457,894	[4] +479,746	2,178,676	2,814,718	572,949	574,774
1925	3,607,644	[5] 2,464,169	466,538	[4] +676,937	3,047,016	3,351,799	599,591	616,120
1926	3,908,458	3,030,387	487,376	[4] +390,694	2,986,134	3,339,670	659,820	640,286
1927	4,128,423	3,001,837	519,564	[4] +607,022	5,157,255	5,770,467	683,122	687,395
1928	4,038,236	3,071,400	540,246	[4] +426,581	6,830,219	7,193,291	693,634	693,675
1929	4,036,219	3,322,619	549,604	[4] +163,996	5,169,698	5,293,485	696,948	[6] 687,709
1930	4,174,052	3,392,077	553,884	[4] +228,091	3,695,460	3,877,700	705,484	711,986

[1] Exclusive of the deposits made by banks to retire national bank and Federal reserve notes and of payments made from this fund to retire such notes; these are in the nature of fiduciary transactions. Both columns include redemption-exchange transactions.

[2] 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 1930 the 3½ per cent salary deductions are included.

[3] Averages are for entire 10-year period though there were no receipts or retirements certain years.

[4] After taking account of public-debt retirement expenditures chargeable against ordinary receipts.

[5] See note 7, Table 176.

[6] Exclusive of items referred to in note 9, Table 180.

Source: Annual Report of the Secretary of the Treasury.

No. 175.—ORDINARY RECEIPTS OF THE GOVERNMENT: BY MAJOR SOURCES

NOTE.—In thousands of dollars. Figures are on basis of warrants issued (net); see general note, p. 173

Yearly average or year ended June 30—	Total ordinary receipts	Customs	Internal revenue		Sales of public lands	Surplus postal receipts	Miscellaneous receipts
			Income and profits tax	Miscellaneous			
1791–1800	6,765	5,940	----------	444	[1] 10	[1] 36	334
1801–1810	13,055	12,046	----------	201	456	[1] 22	329
1811–1820	21,082	16,383	----------	1,544	1,623	50	1,429
1821–1830	21,923	19,852	----------	31	1,388	(2)	640
1831–1840	30,460	20,470	----------	5	7,452	(2)	2,533
1841–1850	27,117	24,366	----------	[1] 1	1,980	----------	768
1851–1860	60,237	54,498	----------	----------	4,582	----------	1,156
1861–1865	160,907	68,988	[3] 28,006	[1] 27,283	555	----------	19,994
1866–1870	447,300	178,903	50,603	171,315	2,109	----------	44,368
1871–1875	336,830	186,200	7,760	112,217	2,223	----------	28,429
1876–1880	288,124	146,594	(2)	116,697	1,025	----------	23,808
1881–1885	366,961	201,963	[4] 30	132,102	6,086	----------	26,799
1883	398,288	214,706	----------	144,720	7,956	----------	30,905
1884	348,520	195,067	56	121,530	9,811	----------	22,056
1885	323,691	181,472	----------	112,499	5,706	----------	24,014
1886	336,440	192,905	----------	116,806	5,631	----------	21,098
1887	371,403	217,287	----------	118,823	9,254	----------	26,039
1888	379,266	219,091	----------	124,297	11,202	----------	24,676
1889	387,050	223,833	----------	130,882	8,039	----------	24,297
1890	403,081	229,669	----------	142,607	6,358	----------	24,447
1891	392,612	219,522	----------	145,687	4,030	----------	23,374
1892	354,938	177,453	----------	153,971	3,262	----------	20,252
1893	385,820	203,355	----------	161,028	3,182	----------	18,255
1894	306,355	131,819	----------	147,111	1,674	----------	25,752
1895	324,729	152,159	77	143,345	1,103	----------	28,046
1896	338,142	160,022	----------	146,763	1,006	----------	30,352
1897	347,722	176,554	----------	146,689	365	----------	23,614
1898	405,321	149,575	----------	170,901	1,243	----------	83,603
1899	515,961	206,128	----------	273,437	1,678	----------	34,717
1900	567,241	233,165	----------	295,328	2,837	----------	35,911
1901	587,685	238,585	----------	307,181	2,965	----------	38,954
1902	562,478	254,445	----------	271,880	4,144	----------	32,009
1903	561,881	284,480	----------	230,810	8,926	----------	37,665
1904	541,087	261,275	----------	232,904	7,453	----------	39,455
1905	544,275	261,799	----------	234,096	4,859	----------	43,521
1906	594,984	300,252	----------	249,150	4,880	----------	40,703
1907	665,860	332,233	----------	269,667	7,879	----------	56,081
1908	601,862	286,113	----------	251,711	9,732	----------	54,306
1909	604,320	300,712	----------	246,213	7,701	----------	49,695
1910	675,512	333,683	20,952	268,982	6,356	----------	45,539
1911	701,833	314,497	33,517	289,012	5,732	----------	59,075
1912	692,609	311,322	28,583	293,029	5,393	----------	54,283
1913	724,111	318,891	35,006	309,411	2,910	----------	57,893
1914	734,673	292,320	71,381	308,660	2,572	3,800	55,940
1915	697,911	209,787	80,202	336,468	2,167	3,500	63,787
1916	782,535	213,186	124,937	387,765	1,888	----------	54,759
1917	1,124,326	225,962	359,981	449,685	1,893	5,200	81,903
1918	4,180,425	182,759	2,839,000	857,044	1,969	[5] 48,631	[5] 251,023
1919	4,654,381	183,429	2,600,763	1,239,468	1,405	[5] 89,906	[5] 539,411
1920	6,704,414	323,537	3,056,936	1,442,213	1,910	[5] 5,213	[5] 974,605
1921	5,584,517	308,025	3,228,138	1,351,836	1,530	----------	694,988
1922	4,103,597	357,545	2,086,918	1,121,240	895	81	536,917
1923	3,847,046	562,189	1,691,090	935,700	657	----------	657,411
1924	3,884,041	545,012	1,841,759	952,531	522	----------	544,217
1925	3,607,044	548,522	1,761,659	827,787	624	----------	469,053
1926	3,908,458	579,717	1,974,104	862,668	754	----------	491,215
1927	4,128,423	605,672	2,219,952	648,732	621	----------	653,444
1928	4,038,236	568,157	2,174,573	617,620	385	----------	677,501
1929	4,036,219	602,820	2,331,274	608,770	315	----------	493,040
1930	4,174,052	584,771	2,410,259	628,423	396	----------	550,202

[1] Averages are for entire 10-year period though there were no receipts under these items certain years.
[2] Less than $500.
[3] Average for 1863 to 1865.
[4] Average for 1881 and 1884.
[5] Estimated increased postage under act of Oct. 3, 1917, included in "Surplus postal receipts."

Source: Annual Report of the Secretary of the Treasury.

No. 176.—ORDINARY EXPENDITURES OF THE GOVERNMENT: BY MAJOR CLASSES

NOTE.—In thousands of dollars. Figures are on basis of warrants issued (net); see general note, p. 173

Yearly average or year ended June 30—	Total ordinary expenditures	Civil and miscellaneous [1]	War Department [1]	Navy Department [1]	Indians	Pensions [2]	U. S. Veterans' Bureau [3]	Postal deficiencies [4]	Interest on the public debt
1791–1800	6,835	980	1,732	[4] 882	31	97	----------	----------	3,111
1801–1810	9,086	1,870	1,632	1,636	164	78	----------	----------	3,703
1811–1820	23,942	2,589	10,742	4,675	317	741	----------	----------	4,877
1821–1830	16,161	3,144	3,918	3,295	599	1,247	----------	----------	3,956
1831–1840	24,494	5,616	8,321	5,041	2,612	2,572	----------	----------	[5] 331
1841–1850	32,202	7,452	12,815	7,237	1,384	1,700	----------	[5] 185	1,615
1851–1860	60,162	21,233	15,784	11,996	3,266	1,531	----------	3,574	2,776
1861–1865	683,785	25,894	547,752	65,329	3,203	4,858	----------	2,146	34,600
1866–1870	377,642	54,524	127,815	28,382	4,488	23,428	----------	[5] 3,562	135,440
1871–1875	287,459	69,152	40,186	23,328	7,504	30,166	----------	5,544	111,580
1876–1880	255,698	56,819	37,170	15,990	5,405	35,051	----------	4,072	100,191
1881–1885	257,691	68,256	43,010	15,863	7,328	57,790	----------	[5] 1,703	63,742
1883	265,408	68,604	48,911	15,283	7,303	66,013	----------	75	59,160
1884	244,126	70,920	30,430	17,293	6,476	55,429	----------	----------	54,578
1885	260,227	82,953	42,671	16,021	6,552	56,102	----------	4,542	51,386
1886	242,483	65,973	34,324	13,908	6,099	63,405	----------	8,104	50,580
1887	267,932	78,764	38,561	15,141	6,195	79,029	----------	6,501	47,742
1888	267,925	78,167	38,522	16,926	6,249	80,280	----------	3,056	44,715
1889	299,289	94,088	44,435	21,379	6,892	87,625	----------	3,809	41,001
1890	318,041	94,832	44,583	22,006	6,708	106,937	----------	6,875	36,099
1891	365,774	115,708	48,720	26,114	8,527	124,416	----------	4,742	37,547
1892	345,023	95,790	40,895	29,174	11,151	134,583	----------	4,051	23,378
1893	383,478	97,786	49,642	30,130	13,345	159,358	----------	5,947	27,264
1894	367,525	93,694	54,568	31,701	10,293	141,177	----------	8,250	27,841
1895	356,195	82,263	51,805	28,798	9,940	141,395	----------	11,017	30,978
1896	352,179	77,916	50,831	27,148	12,166	139,434	----------	9,360	35,385
1897	365,774	79,252	48,950	34,562	13,017	141,053	----------	11,149	37,791
1898	443,369	86,016	91,992	58,824	10,905	147,452	----------	10,504	37,585
1899	605,072	110,980	229,841	63,942	12,806	139,395	----------	8,212	39,897
1900	520,861	131,689	134,775	55,953	10,175	140,877	----------	7,231	40,160
1901	524,617	131,977	144,616	60,507	10,896	139,324	----------	4,955	32,343
1902	485,234	125,111	112,272	67,803	10,050	138,489	----------	2,402	29,108
1903	517,006	133,073	118,630	82,618	12,935	138,426	----------	2,769	28,556
1904	583,660	131,357	165,200	102,956	10,438	142,559	----------	6,503	24,046
1905	567,279	127,968	126,094	117,550	14,236	141,774	----------	15,065	24,591
1906	570,202	131,639	137,326	110,474	12,747	141,035	----------	12,673	24,309
1907	579,129	145,642	149,775	97,128	15,164	139,310	----------	7,629	24,481
1908	659,196	162,532	175,840	118,037	14,580	153,892	----------	12,888	21,426
1909	693,744	167,001	192,437	115,546	15,695	161,710	----------	19,501	21,804
1910	693,617	171,581	189,823	123,174	18,504	160,696	----------	8,496	21,343
1911	691,202	173,839	197,199	119,938	20,934	157,981	----------	----------	21,311
1912	689,881	172,257	184,123	135,592	20,135	153,590	----------	1,568	22,616
1913	724,512	169,802	202,129	133,263	20,306	175,085	----------	1,027	22,890
1914	735,081	170,530	208,350	139,682	20,215	173,440	----------	----------	22,864
1915	760,587	200,533	202,100	141,836	22,130	164,388	----------	6,637	22,903
1916	741,997	199,555	182,139	155,029	17,570	159,302	----------	5,500	22,900
1917	2,086,042	1,150,351	459,540	257,166	30,598	160,318	3,326	----------	24,742
1918	13,791,908	6,237,492	5,705,136	1,368,643	30,888	181,138	68,863	2,221	197,527
1919	18,952,141	6,701,040	9,265,325	2,009,272	34,593	221,615	104,085	344	615,867
1920	6,141,745	[6] 2,989,558	1,100,866	629,803	40,517	213,344	107,730	[6] 35,813	1,024,024
1921	4,468,713	[6] 1,452,779	580,795	647,871	41,471	260,611	357,007	[6] 131,502	996,677
1922	3,195,685	[6] 524,917	402,058	458,795	38,500	252,577	464,998	[6] 64,353	989,485
1923	3,244,717	704,227	356,723	322,533	45,143	264,148	465,328	32,527	1,055,088
1924	2,946,411	614,223	348,606	324,130	46,754	228,262	433,047	12,639	938,741
1925	[7] 2,464,169	[7] 86,543	357,957	326,365	38,755	218,321	530,994	23,217	882,015
1926	3,030,387	607,638	358,329	311,612	48,442	207,190	536,201	30,506	831,460
1927	3,001,837	670,147	361,987	322,621	36,792	230,556	564,677	27,263	787,794
1928	3,071,409	746,217	400,345	337,608	36,991	229,401	556,916	32,080	731,850
1929	3,322,619	912,251	427,230	364,807	34,087	229,781	580,784	[8] 94,700	678,980
1930	3,392,077	947,841	466,285	374,053	32,067	220,609	600,906	91,714	658,602

[1] Up to 1920, inclusive, civil expenditures under War and Navy Departments at Washington are included under the column Civil and Miscellaneous; thereafter under War and Navy Departments, respectively. Civil and miscellaneous expenditures, beginning 1917, have been revised to exclude expenditures by Bureau of War Risk Insurance and for vocational rehabilitation. War Department expenditures include those for rivers and harbors and the Panama Canal.

[2] Includes only Army and Navy pensions for service prior to World War and fees of examining surgeons. Does not include salaries under Bureau of Pensions or payments to veterans of the World War, which are made by Veterans' Bureau (see next column).

[3] Prior to 1922 data represent expenditures by Bureau of War Risk Insurance and for vocational rehabilitation. They include operations less in Government life insurance trust funds and special funds.

[4] Exclusive of amounts transferred to the civil service retirement and disability fund.

[5] Averages are for entire period, though there were no expenditures in certain years.

[6] Additional compensation, Postal Service (resolution of Nov. 8, 1919), included in "Postal deficiencies."

[7] The liquidation of the War Finance Corporation and the repayment of loans by the railroads very much affected the total civil and miscellaneous expenditures in 1925.

[8] Includes $9,000,000 back railway mail pay; excludes, however, the $42,997,000 shown on p. 181.

Source: Annual Report of the Secretary of the Treasury.

No. 177.—RECEIPTS OF THE GOVERNMENT: BY SOURCES

NOTE.—Data are for years ended June 30 and are on the basis of warrants issued. (See general note, p. 173)

[All figures in thousands of dollars]

	1929	1930
ORDINARY RECEIPTS		
Revenue receipts:		
Customs	602,820	584,771
Duties	600,811	582,755
Tonnage tax	2,009	2,016
Internal revenue	2,940,044	3,038,682
Income tax	2,331,274	2,410,259
Miscellaneous taxes	608,135	627,427
Collections under enforcement of national prohibition act [1]	635	996
Miscellaneous taxes—		
Franchise tax, Federal reserve and Federal intermediate credit banks	2,843	4,455
Immigration head tax	2,885	2,723
Tax on circulation of national banks	3,240	3,248
Taxes, licenses, fines, etc., Canal Zone	92	87
Interest, exchange, and dividends on capital stock—		
Interest on income of Library of Congress trust fund, investment account	25	32
Interest on advance payments to contractors	83	80
Interest on deferred collections or payments	93	67
Interest on bonds of foreign governments under funding agreements	139,974	141,932
Interest on unfunded obligations of foreign governments	20,367	----------
Interest on public deposits	3,411	3,022
Interest on miscellaneous obligations	1,600	1,897
Discounts on certificates of indebtedness, Treasury notes and bonds redeemed and purchased	681	5,459
Dividends, Panama R. R.	700	700
Gain by exchange	1	[2]
Federal control of transportation systems [3]	66	45
Loans to railroads after termination of Federal control [3]	3,085	3,327
Military and naval insurance, Veterans' Bureau, 1929 and prior years [3]	485	362
Fines and penalties—		
Judicial	526	626
Customs Service	2,183	2,086
Immigration Service	166	316
Under enforcement of national prohibition act (judicial) [4]	4,354	4,202
Recovery of value of oil in case of United States against petroleum companies	4	2,906
Navy fines and forfeitures	675	507
Other	54	88
Fees—		
Alaska game laws	26	30
Board of Tax Appeals	59	48
Clerks, U. S. courts	1,547	1,580

	1929	1930
ORDINARY RECEIPTS—contd.		
Revenue receipts—Continued.		
Fees—Continued.		
Commissions on telephone pay stations, Federal buildings, and rented post offices	57	75
Consular and passport	7,652	7,773
Copying	42	41
Copyright	309	331
Immigration (registration)	----------	146
Indian lands and timber	275	278
Fees and commissions, Land Office	401	414
Marshals, U. S. courts	192	192
Naturalization	907	1,937
Navigation	249	236
On letters patent	3,697	4,024
Testing	77	79
Other	42	70
Forfeitures—		
Bonds of aliens, contractors, etc.	514	538
Bribes to United States officers	21	48
Customs Service	174	183
Judicial	188	80
Under enforcement of national prohibition act [4]	280	168
Unclaimed moneys and wages remaining in registry of courts	176	242
Unclaimed funds	5	8
Other	62	26
Assessments—		
On Federal reserve banks for salaries and expenses, Federal Reserve Board	2,895	2,829
On Federal intermediate credit and Federal and joint-stock land banks for salaries, etc., Federal Farm Loan Board	880	985
Salaries and expenses, national-bank examiners	1,874	2,510
General railroad contingent fund	978	2,412
Austrian, German, and Hungarian Governments' moiety, expenses, mixed and Tripartite Claims Commissions	18	17
Deposits for establishing wool standards	50	40
Naval hospital funds	491	452
Deposits by individuals for expenses of surveying public lands	25	29
Other	10	3
Reimbursements—		
Construction charges (Indian Service)	54	49
Coos Bay wagon road grant fund [5]	1,049	----------
Under grain and cotton standards acts	151	198
Maintenance of District of Columbia inmates in Federal penal and correctional institutions	182	123

[1] Additional collections under the national prohibition act are included under "Fines and penalties" and "Forfeitures," making total collections under the enforcement of this act of $5,269,000 in 1929 and $5,366,000 in 1930.

[2] Less than $500.

[3] Repayments to appropriations, representing cash receipts credited to appropriations.

[4] See note 1.

[5] Funds to cover payments to certain counties of Oregon of unpaid taxes to Southern Oregon Co.

No. 177.—Receipts of the Government: By Sources—Continued

[All figures in thousands of dollars]

	1929	1930
ORDINARY RECEIPTS—contd.		
Revenue receipts—Continued.		
Reimbursements—Contd.		
District of Columbia administrative expenses under employees' compensation act, fiscal year 1929		60
District of Columbia liability under civil service retirement act, fiscal year 1929		150
Gasoline State tax		12
Electric light charges by Potomac Electric Power Co	55	
Expenses of redeeming national currency	*518*	*515*
Inspection of food and farm products	243	255
Deductions from awards of Mixed Claims Commission, United States and Germany [6]	380	86
Government property lost or damaged	69	83
Hospitalization charges and expenses	158	149
Expense of international service of ice observation and patrol	136	110
By contractors for excess of cost over contract price	37	89
Cost from estates of deceased *Indians*	*58*	*59*
Maintenance charges, irrigation systems, Indian Service	470	503
Appropriations made for *Indian tribes*	115	109
Settlement of claims against various depositors	562	67
Reclamation fund [3]	6,532	
Collections, reclamation fund		4,911
Auxiliary reclamation fund, Yuma project, Arizona		28
Other	77	176
Gifts and contributions—		
Forest Service cooperative work	1,830	1,776
Library of Congress, gift fund	181	289
Contributions to Library of Congress investment account [7]	2	139
Donations, National Park Service	31	1,774
Pan American Union quotas	88	73
Contributions for river and harbor improvements	492	1,711
For roads, bridges, and related works, Alaska	211	150
For restoration of Old Fort Niagara, N. Y		15
For paving Dry Valley Road, Rossville, Ga		13
For wharf and walk, Jamestown, Va	15	
For memorial to women of World War	211	123
Other	45	24

	1929	1930
ORDINARY RECEIPTS—contd.		
Revenue receipts—Continued.		
Sales of property (products)—		
Scrap and salvaged materials, condemned stores, waste paper, etc	2,522	2,369
Agricultural products	70	121
Card indexes, Library of Congress	194	248
Public documents, charts, maps, etc	294	526
Electric current	[8] 251	[8] 612
Electric current power plant, Coolidge Dam, Ariz		25
Heat, light, and power (Capitol power plant)		153
Seal and fox skins, and furs	370	288
Occupational therapy products	65	111
Subsistence (meals, etc.)	20	18
Water	48	52
Other	10	13
Sales of services—		
Fumigating and disinfecting (Dept. of Agriculture)	70	88
Laundry and dry-cleaning	1,259	1,212
Overhead charges on sales of services or supplies (War and Navy)	101	100
Operation of properties, U. S. Housing Corp	298	271
Quarantine charges (fumigation, inspection, etc., of vessels, Public Health Service)	560	568
Quarters, subsistence, and laundry service	81	130
Radio service	101	111
Storage and other charges	344	378
Profits from sale of ships' stores, Navy	383	208
Telephone and telegraph services	337	334
Tolls and profits, Panama Canal	27,736	27,810
Work done for individuals, corporations, et al	71	86
Other	81	54
Rents and royalties—		
Rent of public buildings and grounds	530	633
Rentals, Center Market, Washington, D. C	143	140
Leases, Annette Islands reserve, Alaska	25	
Rent of land	206	275
Rent of equipment	35	69
Receipts under mineral leasing acts	3,706	4,734
Royalties on oil, gas, etc	2,487	1,612
Moneys due Oklahoma from royalties, oil and gas	42	34
Potash deposits, royalties and rentals	11	14
Rent of water-power sites	56	57
Rent of telegraph and telephone facilities (United States lines)	11	24
Other	26	37

[3] Repayments to appropriations, representing cash receipts credited to appropriations.
[6] Deductions to cover reimbursement for expenses incurred by the United States in the adjudication of claims, settlement of war claims act of 1928.
[7] Heretofore stated as a trust fund.
[8] Includes $185,000 in 1929 and $520,000 in 1930 for Dam No. 2, Muscle Shoals, Ala.

No. 177.—Receipts of the Government: By Sources—Continued

[All figures in thousands of dollars]

	1929	1930
ORDINARY RECEIPTS—contd.		
Revenue receipts—Continued.		
Permits, privileges, and licenses—		
Alaska fund	251	221
Business concessions	253	274
Fishing and hunting	12	12
Immigration permits	364	321
Licenses under Federal water power act	347	477
Permits to enter national parks	533	664
Pipe-line, water and power transmission rights	12	16
Purchases of Army discharges	----------	300
Other	1	1
Mint receipts—profits on coinage, bullion deposits, etc.	5,373	8,322
Forest reserve fund	6,312	6,846
Postal receipts, Panama Canal	151	[1]55
United States revenues from District of Columbia sources	52	43
Total revenue receipts	3,824,848	3,905,236
Nonrevenue receipts:		
Army costs due United States from Germany	13,498	10,154
Repayment of investments—		
Federal control of transportation system [2]	37	134
Loans to railroads after termination of Federal control, etc. [2]	11,877	7,980
Farmers' seed grains and feed loans [2]	----------	11
Loans to farmers in storm, drought, and flood-stricken areas [2]	----------	4,360
Construction loan fund, U. S. Shipping Board [2]	1,306	1,362
Return of advances made to reclamation fund	1,000	1,000
Reimbursement on account of representation of interests of foreign governments growing out of hostilities in Europe	158	----------
Reimbursement of relief moneys furnished American citizens in Europe	----------	367
Liquidation of capital stock, Federal land banks	173	91
Principal of bonds of foreign governments under funding agreements	38,788	97,634
Principal of unfunded loans made to foreign governments	3	----------
Principal of Government-owned securities (sale of war supplies)	304	38
Construction costs of public works in Colon and Panama	98	63
Other	14	12
Sale of public lands	315	396

	1929	1930
ORDINARY RECEIPTS—contd.		
Nonrevenue receipts—Contd.		
Sale of property—		
Capital equipment—trucks, horses, cars, machinery, furniture, etc.	1,110	432
Land and buildings	2,861	2,594
Land, etc., on account of naval public works construction fund	20	[3]
Land, etc., on account of military post construction fund	2,741	1,966
Office material, etc. (General Supply Committee)	18	14
War supplies	2,584	1,051
Coos Bay wagon road grant fund	175	200
The Oregon and California land grant fund	752	523
Sale of ordnance material	93	[2] 5
Deposits for construction loans under merchant marine act, 1920	3,267	[10] 8,061
Other	7	15
Trust funds—		
Longshoremen's and harbor workers' compensation act	20	30
For Government life insurance fund	79,933	80,870
Pension money, St. Elizabeths Hospital	139	83
Personal funds of patients, St. Elizabeths Hospital	166	168
Indian moneys—		
Proceeds of labor	2,889	3,053
Oil and gas leases, etc., Osage Reservation, Okla.	9,604	6,120
Kiowa, Comanche, and Apache Indians, Okla., moneys due for oil and gas, act Mar. 4, 1923	70	47
Sales and lease of Indian lands, etc.	1,351	1,355
Navy pension fund, principal	5	7
Pay of the Navy and Marine Corps deposit funds [2]	----------	191
Foreign Service retirement and disability fund	8	61
Pay of the Army deposit fund	1,552	1,636
Proceeds from estates of deceased soldiers	50	41
Soldiers' Home permanent fund	832	459
Miscellaneous trust funds	23	64
District of Columbia—		
Revenue receipts [11]—		
Dist. of Col. share [12]	31,450	32,801
Nonrevenue receipts—		
Dist. of Col. share	1	[3]
Dist. of Col. trust funds	2,080	2,303
Total nonrevenue receipts	211,370	268,823
Grand total, all items	4,036,218	4,174,059
Change in uncovered moneys	+1	−7
Total ordinary receipts	4,036,219	4,174,052

[2] Less than $500.
[3] Repayments to appropriations, representing cash receipts credited to appropriations.
[9] Debit item, deduct.
[10] Exclusive of $8,922,000 transferred from the checking account of the U. S. Shipping Board on the books of the Treasurer of the United States to the warrant account and covered into the Treasury by miscellaneous receipt covering warrant. As this was merely an adjustment between accounts of cash transactions occurring in prior years, this item has not been included in either receipts or expenditures.
[11] For United States share see last item under "Revenue receipts" above.
[12] Excluding trust funds.

Source: Annual Report of the Secretary of the Treasury.

No. 178.—EXPENDITURES OF THE GOVERNMENT: DETAILS OF

NOTE.—Data are for years ended June 30 and are on the basis of checks issued. (See general note, p. 173.)

[All figures in thousands of dollars]

	1929	1930
GENERAL EXPENDITURES		
Legislative establishment	17,866	20,138
United States Senate	2,951	3,311
House of Representatives	7,883	8,339
Legislative, miscellaneous	414	128
Architect of the Capitol	1,285	2,957
Botanic Garden	244	176
Library of Congress	2,009	2,318
Government Printing Office	3,080	2,908
Executive Office: Salaries, and expenses, mansion, etc	489	692
Independent offices (including Veterans' Bureau)[1]	459,039	491,503
Alaska relief funds	13	25
American Battle Monuments Commission	772	1,324
Arlington Memorial Bridge Commission	2,369	2,749
Board of Mediation	243	183
Board of Tax Appeals	699	673
Board of Efficiency	215	227
Civil Service Commission	1,245	1,416
Commission of Fine Arts	8	9
Employees' Compensation Commission	4,050	4,588
Federal Board for Vocational Education	7,763	8,456
Federal Farm Board [2]	----------	732
Federal Oil Conservation Board	10	14
Federal Power Commission	132	162
Federal Radio Commission	207	274
Federal Reserve Board	2,905	2,833
Federal Trade Commission	1,167	1,448
General Accounting Office	4,131	4,109
Housing Corporation	477	580
Interstate Commerce Commission	[1] 7,833	[1] 8,009
National Advisory Committee for Aeronautics	607	980
Office of Public Buildings and Public Parks of the National Capital	2,936	3,303
Personnel Classification Bd	73	9
Porto Rican Hurricane Relief Commission	206	3,875
Smithsonian Institution	409	434
National Museum	739	736
U. S. Geographic Board	4	9
U. S. Supreme Court Building Commission	25	(3)
U. S. Tariff Commission	762	711
Miscellaneous commissions, boards, etc.—		
George Rogers Clark Sesquicentennial Commission	(3)	37
George Washington Bicentennial Commission	----------	15
International Trade Exhibition	107	----------
Mount Rushmore National Memorial Commission	----------	70
Perry's Victory Memorial Commission	----------	14
Protection of interests of United States in oil lands	40	67
GENERAL EXPENDITURES—CON.		
Independent offices—Cont'd		
Miscellaneous commissions, boards, etc.—Continued.		
Public Buildings Commission	38	31
Miscellaneous	198	6
U. S. Veterans' Bureau [4]	418,535	443,306
Salaries and expenses	40,655	41,270
Adjusted service and dependent pay	6,456	3,130
Medical and hospital services, Veterans' Bureau	29,345	32,464
Hospital facilities and services, Veterans' Bureau	4,044	8,241
Military and naval compensation	189,001	190,366
Military and naval insurance (appropriated fund)	115,604	122,840
Military and naval insurance, special fund	5,675	[5] 77
Miscellaneous	*196*	*568*
Government life insurance fund (trust fund)—Expenses [4]	28,047	35,041
Special deposit accounts	[5] *579*	455
Department of Agriculture	171,674	177,330
Office of the Secretary	1,178	1,187
Office of Information	1,068	1,274
Library	96	101
Office of Experiment Stations	4,237	4,725
Extension service	1,948	1,744
Cooperative agricultural extension work	7,151	7,540
Weather Bureau	2,936	3,390
Bureau of Animal Industry	8,339	9,577
Meat Inspection, Bureau of Animal Industry	5,551	5,552
Bureau of Dairy Industry	544	625
Bureau of Plant Industry	4,660	5,003
Forest Service	11,619	16,157
Special funds—		
Cooperative work, Forest Service	1,815	1,731
Payments to States and Territories from national forests fund	*1,351*	*1,565*
Roads and trails for States, national forests fund	419	503
Lands for protection of watersheds and streams	1,147	25
Bureau of Chemistry and Soils	1,353	1,595
Bureau of Entomology	2,355	2,388
Bureau of Biological Survey	1,338	1,578
Bureau of Public Roads	419	3,509
Road construction	95,081	85,857
Bureau of Agricultural Economics	5,699	5,969
Bureau of Home Economics	146	56
Plant Quarantine and Control Administration	3,539	8,805
Food, Drug, and Insecticide Administration	*1,537*	*1,554*
Loans to farmers in storm, flood, and drought-stricken areas	5,605	4,094
Miscellaneous	542	511
Special deposit accounts	[5] *8*	116

[1] Exclusive of operations in special accounts, see p. 183.
[2] For agricultural marketing fund see, p. 183. [3] Less than $500.
[4] For adjusted service certificate fund and Government life insurance fund investments, see p. 183.
[5] Excess credits, deduct.

No. 178.—Expenditures of the Government: Details of—Continued

[All figures in thousands of dollars]

	1929	1930
GENERAL EXPENDITURES—con.		
Department of Commerce	40,511	57,057
Office of the Secretary	2,736	3,403
Aircraft in commerce	4,945	6,710
Bureau of Foreign and Domestic Commerce	4,264	4,751
Bureau of the Census	2,173	14,648
Steamboat Inspection Service	1,150	1,271
Bureau of Navigation	333	379
Bureau of Standards	2,490	2,759
Bureau of Lighthouses	11,058	11,526
Coast and Geodetic Survey	2,552	2,865
Bureau of Fisheries	2,043	2,439
Patent Office	3,280	3,679
Bureau of Mines	3,400	2,614
Miscellaneous	47	12
Special deposit accounts	38	(2)
Department of the Interior [6]	300,949	288,878
Interior, civil	263,706	257,155
Office of the Secretary	966	1,076
General Land Office	5,503	4,730
Bureau of Pensions—[6]		
Salaries and expenses	1,905	1,793
Army and Navy pensions	220,549	218,956
Bureau of Reclamation	10,583	10,995
Geological Survey	2,140	2,138
National parks	6,325	9,618
Bureau of Education	3,550	3,706
Territorial governments	287	219
Beneficiaries	1,599	2,296
Alaska Railroad	1,125	1,633
Miscellaneous	45	4
Special deposit accounts	129	[3] *10*
Indian Affairs	37,243	31,723
Salaries, general expenses	1,407	1,547
Expenses of Indian Commissioners	12	12
Education	7,434	7,901
General support and administration	900	973
Interest on Indian trust funds	857	705
Trust funds	15,743	12,571
Fulfilling treaty	922	923
Miscellaneous expenses	7,006	7,430
Special deposit accounts	2,962	[3] *540*
Department of Justice	28,348	32,171
Department of Justice proper	4,863	4,913
Salaries and expenses	2,420	2,383
Detection and prosecution of crimes	2,243	2,530
Judicial	24,685	27,258
Salaries and expenses, Supreme Court	327	321
Salaries of circuit, district, and retired judges	1,921	1,931
National Park commissioners	14	14
Court of Customs and Patent Appeals	95	127
Court of Claims	257	261
Territorial Courts	178	178
Expenses, etc., United States Courts	14,746	15,832

	1929	1930
GENERAL EXPENDITURES—con.		
Department of Justice—Cont'd		
Judicial—Continued		
Penal and correctional institutions	7,083	8,575
Miscellaneous	7	19
Special deposit accounts	62	[3] *1*
Department of Labor	11,352	10,813
Office of the Secretary	754	798
Bureau of Labor Statistics	354	408
Bureau of Immigration	7,591	8,481
Bureau of Naturalization	849	1,030
Children's Bureau	1,522	333
Women's Bureau	106	115
Employment service	205	216
Miscellaneous	13	7
Special deposit accounts	[3] *45*	[3] *775*
Navy Department	366,184	375,446
Office of the Secretary	2,878	3,025
Office of Naval Records and Library	39	38
Office of Judge Advocate General	124	129
Office of Chief of Naval Operations	263	262
Bureau of Navigation	7,301	8,296
Bureau of Engineering	19,994	20,605
Bureau of Construction and Repair	27,795	27,994
Bureau of Ordnance	12,652	13,070
Bureau of Supplies and Accounts—		
Fuel and transportation	9,634	8,370
Maintenance	9,570	10,014
Pay, subsistence, and transportation, Navy	148,308	152,010
Other items	293	4,761
Bureau of Medicine and Surgery	3,509	3,440
Bureau of Yards and Docks	15,137	14,492
Bureau of Aeronautics	28,373	28,598
Naval Academy	1,925	2,350
Marine Corps—		
Pay	15,584	16,097
General expenses	10,621	9,950
Other items	283	524
Increase of Navy—		
Armor, armament, and ammunition	10,949	13,437
Construction and machinery	34,154	35,848
Other items	1,372	495
Miscellaneous	5,303	1,403
General account of advances	96	278
Special deposit accounts	[3] *12*	[3] *59*
Post Office Department [7]	43,048	59
Additional compensation for transportation of mail by railroad routes	[8] 42,997	
Miscellaneous	51	59
Department of State	13,358	14,157
Salaries and expenses	1,579	1,594
Foreign intercourse	[1] 11,742	[1] 12,576
Special deposit accounts	[3] *38*	[3] *13*

[1] Exclusive of operations in special accounts, see p. 183.
[2] Less than $500. [3] Excess credits, deduct.
[6] Excluding civil service retirement fund, see p. 183.
[7] Excludes Postal Service payable from postal revenues and deficiencies in postal revenues, p. 183.
[8] Represents so-called back railway mail pay in accordance with rates fixed by the Interstate Commerce Commission. An additional sum of $9,000,000 is also included under "Postal deficiency" p. 183.

No. 178.—Expenditures of the Government: Details of—Continued

[All figures in thousands of dollars]

	1929	1930
GENERAL EXPENDITURES—con.		
Treasury Department[9]	199,502	194,540
Office of the Secretary	169	164
Office of the chief clerk and superintendent	692	722
Division of supply	1,428	1,463
Office of Commissioner of Accounts and Deposits	87	89
Division of Bookkeeping and Warrants	764	756
Public debt service	4,611	4,072
Division of appointments	62	62
Office of disbursing clerk	56	54
Customs Service[9]—		
Collecting the revenue	20,754	22,074
Miscellaneous expenses	423	523
Bureau of the Budget	182	192
Federal Farm Loan Bureau	906	949
Office of Treasurer of the United States	1,638	1,814
Office of Comptroller of the Currency	2,710	2,892
Internal Revenue Service[9]—		
Collecting the revenue	33,026	34,544
Bureau of Prohibition[6]—Enforcement of narcotics and prohibition acts	13,314	15,401
Coast Guard	28,245	29,286
Bureau of Engraving and Printing	6,678	6,218
Secret Service Division	534	577
Public Health Service	10,069	10,373
Mints and assay offices	1,570	1,600
Office of Supervising Architect	45,898	59,779
Operating expenses, public buildings	11,901	12,257
Repairs, equipment, etc., public buildings	3,550	5,068
Sites, construction, etc.—		
Post offices, customhouses, etc.	29,567	41,201
Inspection stations	9	37
Quarantine stations	57	42
Marine hospitals	814	1,173
Miscellaneous—		
To promote the education of the blind	75	75
Judgments, U. S. Courts, Treasury	1,025	----------
Outstanding liabilities, (*trust fund*)	[5] 748	[5] 469
Other	56	62
Special deposit accounts	561	582
Special accounts—		
Payment of Cape Cod Canal bonds	6,181	46
Purchase of obligations of foreign governments	12,167	----------
Premium on public debt	1,366	634
Subscription to capital stock, Federal intermediate credit banks	5,000	----------
War Department[10]	413,969	458,973
Military activities	312,118	327,366
Office of the Secretary	893	964
General Staff Corps	285	283
Adjutant General's Department	1,713	1,639
Inspector General's Department	27	27
Judge Advocate General's Department	223	204
GENERAL EXPENDITURES—con.		
War Department—Continued.		
Military activities—Contd.		
Finance Department—		
Pay of the Army	128,378	133,610
Finance service	1,065	1,125
Judgments, U. S. courts and Court of Claims	2,412	1,938
Miscellaneous items	1,631	1,573
Quartermaster Corps—		
Army transportation	16,642	17,162
Barracks and quarters and other buildings and utilities	11,438	12,060
Clothing and equipage	6,650	6,557
Construction of buildings, utilities, etc., at military posts	7,620	7,238
Construction and repair of hospitals	1,054	1,140
Incidental expenses of the Army	3,850	3,947
Regular supplies of the Army	10,757	9,803
Subsistence of the Army	24,056	24,980
Other	4,609	2,730
Signal Corps	2,431	3,389
Air Corps	23,491	28,203
Medical Department	1,355	1,775
Bureau of Insular Affairs	81	81
Corps of Engineers	996	1,682
Fortifications, etc., Panama Canal	944	999
Ordnance Department	12,144	12,016
Chemical Warfare Service	1,279	1,405
Chief of Infantry	62	65
Chief of Cavalry	20	22
Chief of Field Artillery	23	28
Chief of Coast Artillery	461	367
Military Academy	2,816	2,760
Militia Bureau	33,160	32,133
Organized Reserves and military training of citizens	10,572	11,756
National Board for Promotion of Rifle Practice	734	710
Army account of advances	81	79
Special deposit accounts	[5] 1,842	1,936
Nonmilitary activities	101,851	128,607
Finance service	5	32
National cemeteries	1,196	1,059
National military parks	302	350
Miscellaneous, Quartermaster Corps[11]	4	1,013
Signal Corps	184	153
Medical Department	53	70
Corps of Engineers miscellaneous	1,510	1,342
Rivers and harbors—		
Improving rivers	82,990	105,357
Improving harbors	394	1,009
Special deposit accounts	5	[5] 1
Inland Waterways Corporation	2,500	1,500
National homes for disabled volunteer soldiers	9,559	12,507
War claims and relief acts	979	81
Trust funds	2,059	2,027
Miscellaneous	111	117
District of Columbia	30,718	45,331
Total general expenditures	2,107,008	2,161,886

[5] Excess credits, deduct.
[9] Exclusive of refunds, debentures, drawbacks, etc., shown under "Refunds of receipts," p. 183.
[10] Excluding Panama Canal. [11] Heretofore included under "Corps of Engineers, miscellaneous."

No. 178.—Expenditures of the Government: Details of—Continued

[All figures in thousands of dollars]

	1929	1930		1929	1930
SPECIAL EXPENDITURES			PUBLIC DEBT RETIREMENTS CHARGEABLE AGAINST ORDINARY RECEIPTS		
Interest on public debt	678,080	658,602			
Refunds of receipts—			*Retirements from*—		
Customs	21,590	24,127	Sinking fund	370,277	388,369
Internal revenue [12]	191,416	128,572	Debt repayments from foreign countries, including U. S. Bonds	176,214	160,926
Postal deficiency	[13] 94,700	91,714	Estate taxes	20	73
Panama Canal	0,619	11,264	Franchise tax receipts (Federal reserve and Federal intermediate credit banks)	2,933	4,455
Operations in special accounts [14]—			Forfeitures, gifts, etc	160	61
Railroads	[5] *1,804*	[5] *4,855*			
War Finance Corporation	[5] *644*	[5] *61*	Total	549,604	553,884
Shipping Board	16,053	31,625			
Agricultural marketing fund		148,591	Grand total, all items	3,851,051	3,986,253
Alien-property funds	[5] *546*	356			
Adjusted service certificate fund	111,759	112,142	Less net increase (+) or decrease (−) in outstanding checks	+3,238	−8,517
Civil service retirement fund	19,975	[15] 20,263			
Investment of trust funds—			Total expenditures chargeable against ordinary receipts	3,848,413	3,993,770
Government life insurance	52,070	43,940			
District of Columbia teachers' retirement	522	551			
Foreign service retirement	298	313			
General railroad contingent	1,050	2,339			
Total ordinary expenditures	3,302,047	3,431,389			

[5] Excess credits, deduct.
[12] Including prohibition.
[13] Includes $9,000,000 back railway mail pay, see also p. 181.
[14] Net amounts.
[15] Exclusive of $150,000 expended under District of Columbia for its liability under civil service retirement act, fiscal year 1930.

No. 179.—ORDINARY RECEIPTS AND EXPENDITURES CHARGEABLE AGAINST ORDINARY RECEIPTS: By Months

Note.—All figures in thousands of dollars. Figures are on the "current cash" basis shown by daily Treasury statements, unrevised; see general note p. 173

Year and month	Ordinary receipts					Expenditures chargeable against ordinary receipts		
	Total	Customs	Income taxes	Miscellaneous internal revenue	Miscellaneous revenue	Total	Ordinary	Public debt retirements
1928:								
July	154,859	44,591	32,603	50,001	27,663	278,620	225,562	53,058
August	173,495	52,797	34,693	53,472	32,532	308,594	221,868	86,726
September	557,398	50,410	442,985	46,378	17,625	482,600	257,048	225,552
October	187,627	59,741	38,609	55,776	33,501	398,653	364,047	4,606
November	145,156	48,436	32,205	49,892	14,623	213,629	213,629	
December	640,105	45,803	431,702	47,917	123,683	384,019	286,925	97,094
1929:								
January	163,889	45,549	35,139	51,630	31,571	371,595	371,571	25
February	158,794	48,651	37,266	44,822	28,055	185,494	182,560	2,933
March	736,816	55,200	601,364	50,704	29,548	273,875	273,875	
April	173,508	50,404	46,053	47,945	29,107	335,643	335,552	91
May	166,722	48,279	42,838	54,051	21,554	225,269	224,864	405
June	705,882	52,401	555,257	54,719	103,506	420,473	341,360	79,113
July	169,473	52,144	34,884	54,595	27,851	349,825	245,950	103,874
August	174,502	56,427	32,210	54,917	30,947	210,725	210,720	5
September	670,736	52,612	542,280	51,647	24,197	399,068	266,010	133,058
October	175,998	57,607	31,162	56,181	31,048	364,678	356,994	7,684
November	143,889	44,126	28,281	50,489	20,993	218,407	218,204	203
December	742,942	39,298	516,501	50,664	136,479	443,191	303,210	139,980
1930:								
January	151,195	41,278	29,134	53,576	27,208	347,351	347,351	
February	138,540	35,935	38,183	44,401	20,021	236,742	219,705	17,037
March	674,876	42,610	550,504	50,050	22,712	362,221	290,486	71,735
April	159,053	41,071	38,107	47,753	32,122	414,147	375,293	38,854
May	173,243	51,722	34,208	56,475	30,748	230,997	230,997	
June	803,495	72,170	526,444	57,560	147,320	416,799	375,347	41,453
July	138,741	26,200	29,634	57,577	25,330	284,310	259,279	25,031
August	127,388	32,083	26,231	51,639	17,435	224,117	224,117	
September	602,811	30,655	498,520	47,379	20,257	308,221	268,191	40,030
October	147,813	39,319	27,877	49,930	30,687	375,244	375,244	
November	120,362	36,365	28,223	43,472	12,302	244,651	244,623	28
December	717,092	30,764	496,821	45,374	144,134	364,540	335,335	29,205

Source of Tables 178 and 179: Annual Report of the Secretary of the Treasury.

No. 180.—EXPENDITURES OF THE GOVERNMENT CHARGEABLE AGAINST

NOTE.—All figures in thousands of dollars. Figures are on the "current cash"

	1916	1917	1918	1919	1920
General expenditures, total [1]	692, 526	999, 985	6, 893, 903	11, 747, 271	3, 231, 652
Legislative establishment [2]	13, 808	15, 092	15, 820	17, 060	19, 328
Executive proper [2, 3]	502	1, 280	9, 663	17, 467	6, 676
State Department	6, 307	6, 169	9, 893	20, 766	13, 586
Treasury Department [4, 5]	71, 797	84, 294	152, 500	227, 278	322, 316
War Department	164, 547	358, 158	4, 850, 687	8, 995, 880	1, 610, 587
Department of Justice	10, 539	10, 566	12, 965	15, 717	17, 814
Post Office Department [6]	7, 272	1, 895	4, 173	2, 412	50, 049
Navy Department	153, 854	239, 633	1, 278, 840	2, 002, 311	736, 021
Interior Department [16]	199, 471	216, 416	244, 557	288, 286	279, 245
Department of Agriculture	27, 970	29, 547	42, 870	39, 246	65, 546
Department of Commerce	11, 438	11, 690	12, 834	15, 590	30, 011
Department of Labor	3, 608	3, 852	5, 469	12, 943	5, 415
Veterans' Bureau [4]					
Other independent offices and commissions [2, 4]	7, 165	7, 559	12, 715	75, 376	59, 460
District of Columbia [12]	13, 255	13, 682	14, 447	16, 014	19, 988
Unclassified items	+992	+150	+26, 470	+895	−4, 400
Interest on public debt	22, 901	24, 743	189, 743	619, 216	1, 020, 252
Other special expenditures, total [1]	18, 630	952, 954	5, 813, 051	6, 148, 393	2, 151, 440
Refunds of receipts—					
Customs [5]					
Internal revenue [5]					
Postal deficiency [6]					
Panama Canal	18, 630	19, 783	19, 268	13, 196	11, 366
Payment for West Indian Islands		25, 000			
Special accounts [13]—					
Railroads			120, 264	358, 795	[14] 1, 036, 672
War Finance Corporation			44, 929	302, 622	[15] 223, 472
Shipping Board		14, 291	770, 682	1, 820, 607	530, 566
Agricultural marketing fund (net)					
Alien property funds [3]					
Grain Corporation					[17] 350, 328
Food and Fuel Administrations			54, 860	87, 338	
Sugar Equilization Board					
Purchase of obligations of foreign governments		885, 000	4, 738, 030	3, 470, 255	421, 337
Purchase of Federal farm loan bonds			65, 018	80, 580	29, 644
Subscription to stock, Federal land banks		8, 880			
Adjusted service certificate fund					
Civil service retirement fund [10]					
Investment of trust funds—					
Government life insurance [5]					
District of Columbia teachers' retirement [12]					
Foreign Service retirement					
General railroad contingent					
Total ordinary	734, 056	1, 977, 682	12, 696, 702	18, 514, 880	6, 403, 344
Public debt retirements (chargeable against ordinary receipts) from—					
Sinking fund					
Debt repayments from foreign countries, including U. S. bonds				7, 922	72, 670
Estate taxes				93	3, 141
Franchise taxes, Federal reserve and Federal intermediate credit banks			1, 134		2, 022
Forfeitures, gifts, etc.					13
Total			1, 134	8, 015	78, 746
Total expenditures chargeable against ordinary receipts	734, 056	1, 977, 682	12, 697, 837	18, 522, 895	6, 482, 090

[1] Totals prior to 1922 are not comparable with later years because of changes in classification of general and special expenditures.

[2] In the fiscal years 1921, 1922, and 1923, material changes were made in classification of expenditures between legislative establishment, executive proper, and other independent offices and commissions.

[3] Alien property funds included under executive proper prior to fiscal year 1922.

[4] Payments for veterans' relief made prior to Aug. 11, 1921, by the War Risk Insurance Bureau are included under Treasury Department, while similar payments made prior to that date by the Federal Board for Vocational Education are under other independent offices and commissions.

[5] Refunds of customs and internal revenue receipts and investments of Government life insurance fund included under Treasury Department prior to 1922.

[6] Postal deficiency included under Post Office Department prior to 1922.

[7] Post Office Department expenditures for 1921 include $65,576,000 paid to the Railroad Administration. This resulted in a corresponding decrease in expenditures for Federal control of transportation.

[8] Deduct, excess of credits.

[9] Post Office Department expenditures include $42,997,000 and postal deficiency, $9,000,000, representing payment of so-called back railway mail pay to inland carriers.

ORDINARY RECEIPTS: By Major Classifications, Years Ended June 30

basis, according to daily Treasury statements, unrevised; see general note p. 173

1921	1922	1923	1924	1925	1926	1927	1928	1929	1930
3,079,884	2,135,868	1,950,041	1,838,403	1,837,004	1,826,727	1,857,859	1,953,327	2,106,503	2,182,709
18,983	17,088	14,165	14,316	13,856	15,776	19,678	16,402	17,547	19,987
210	219	349	451	412	439	612	589	487	690
8,781	9,667	15,463	14,669	15,054	16,521	16,498	11,607	13,285	14,170
488,637	209,105	145,017	137,411	128,232	136,579	151,560	195,649	200,447	193,114
1,101,015	454,731	392,734	348,630	361,888	355,072	360,809	390,541	416,902	453,525
17,206	17,889	23,521	21,134	23,496	23,774	24,819	27,600	28,892	32,483
[7] 135,369	3,384	147	187	[8] 80	96	180	277	[9] 43,091	58
650,374	470,775	333,201	332,249	348,142	312,743	318,909	331,335	364,562	374,166
357,815	331,814	354,623	328,228	302,441	301,759	302,707	299,000	301,123	290,028
119,838	142,696	128,746	141,116	104,044	155,350	156,287	159,915	171,147	177,581
30,820	21,688	21,784	21,430	25,783	29,132	30,940	34,383	39,987	54,299
8,503	6,227	7,241	6,620	9,078	8,545	9,922	9,821	11,311	10,654
----------	[11] 376,750	[11] 461,719	[11] 409,121	[11] 384,716	404,692	391,470	401,325	417,280	446,956
110,943	43,872	28,712	28,262	27,683	32,069	35,443	35,681	40,309	49,496
22,715	23,732	24,054	25,873	32,713	34,411	37,567	39,400	40,117	45,080
−923	+232	−1,436	−1,234	+347	−233	+449	−199	+18	+423
990,145	991,001	1,055,924	940,603	881,807	831,938	787,020	731,764	678,330	659,348
1,038,899	245,740	288,668	279,612	344,294	438,947	329,152	418,173	514,026	618,212
----------	37,124	28,737	20,567	22,921	27,745	20,321	21,857	21,826	24,092
----------	45,702	125,279	127,220	147,777	132,220	117,412	148,286	190,728	133,852
----------	64,346	32,527	12,039	23,217	39,506	27,203	32,080	[9] 94,700	91,714
10,461	3,025	4,317	8,387	9,093	9,018	8,305	10,449	9,046	11,329
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[7] 730,712	[16] *139,469*	114,145	35,742	7,205	2,726	1,043	[8] *620*	[8] *1,858*	[8] *4,796*
[8] *22,028*	94,428	[8] *100,430*	[8] *62,540*	[8] *42,902*	[8] *19,691*	[8] *27,066*	[9] *8,813*	[8] *611*	[8] *59*
130,723	87,200	57,024	85,491	30,305	23,043	19,011	34,882	15,889	31,605
----------	----------	----------	----------	----------	----------	----------	----------	----------	149,959
----------	1,826	[8] *1,866*	[8] *1,151*	4,018	3,516	[8] *498*	[8] *351*	[8] *1,845*	909
[17] 90,353	[17] 32,000	----------	----------	----------	----------	----------	----------	----------	----------
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----------	[8] *15,280*	2,482	----------	----------	----------	----------	----------	----------	----------
73,897	718	----------	----------	----------	----------	----------	----------	----------	----------
16,781	----------	----------	----------	----------	----------	----------	----------	----------	----------
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----------	----------	----------	----------	99,459	120,152	115,219	111,818	111,773	112,313
----------	9,283	8,001	8,028	9,746	10,816	[8] *425*	109	19,955	20,434
----------	24,500	26,672	30,410	31,992	38,290	47,316	61,702	52,160	43,469
----------	231	191	233	258	297	290	514	503	517
----------	----------	----------	----------	83	100	87	81	282	313
----------	----------	----------	4,584	1,124	1,209	871	1,180	978	2,412
5,116,928	3,372,608	3,294,628	3,046,678	3,063,105	3,097,612	2,974,030	3,103,265	3,298,859	3,440,269
261,100	276,046	284,019	295,987	306,308	317,092	333,528	354,741	370,277	388,369
72,930	64,838	100,893	149,388	159,180	169,654	179,216	181,804	176,214	180,926
20,349	21,085	6,569	8,897	48	----------	----------	2	20	73
60,725	60,333	10,815	3,635	794	568	1,232	618	2,933	4,455
169	393	555	93	208	63	5,578	3,090	160	61
422,282	422,695	402,850	458,000	466,538	487,376	519,555	540,255	549,604	573,884
5,538,209	3,795,302	3,697,478	3,506,678	3,529,643	3,584,988	3,493,585	3,643,520	3,848,463	3,994,152

[10] Civil service retirement fund, established May, 1920, included under Interior Department prior to 1922.

[11] In 1922 to 1925 additional allotments for veterans' relief are included under the Treasury, War, and Navy Departments, and in 1924 and 1925 also under the Interior Department. In 1922 these allotments amounted to $31,746,000; in 1923, to $10,706,000; in 1924, to $6,411,000; and in 1925, to $6,058,000.

[12] Teachers' retirement fund included under District of Columbia prior to 1922.

[13] Figures are not and allow for receipts and deposits credited to the account concerned.

[14] Includes $228,369,000 payments on certificates of indebtedness of Director General of Railroads.

[15] Deduct, excess of credits resulting from receipts of $266,637,000 from sale of equipment trust notes and $123,783,000 from sale or collection of other securities acquired under the transportation act, 1920. In 1923 and 1924 receipts on these accounts were included under miscellaneous receipts.

[16] Deduct, excess of credits resulting from deposits by War Finance Corporation of proceeds of United States securities redeemed.

[17] Includes $350,000,000 in 1920, $100,000,000 in 1921, and $25,000,000 in 1922 applied by U. S. Grain Corporation to reduction of capital stock and reflected in miscellaneous receipts for those years; the 1921 figure represents net expenditures after taking into account credits.

Source: Annual Report of the Secretary of the Treasury.

No. 181.—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					
	65th and 66th, 1920	66th, 1921	66th and 67th, 1922	67th, 1923	67th, 1924	68th, 1925
Legislative	17,037	18,453	18,706	15,165	14,786	16,648
Executive Office	221	223	229	351	497	426
Independent offices	2,246,238	931,952	165,733	757,413	522,563	411,216
District of Columbia	17,203	20,749	23,175	26,052	26,033	27,967
Department of Agriculture	196,175	144,706	49,813	145,546	110,662	74,637
Department of Commerce	30,079	23,912	17,911	20,784	22,116	24,123
Department of the Interior	271,567	346,357	352,395	328,256	343,519	292,323
Department of Justice	18,377	18,176	17,080	20,076	23,846	24,227
Department of Labor	5,364	6,099	5,393	8,607	7,519	8,364
Navy Department	910,560	453,578	489,651	300,514	325,323	278,601
Post Office Department:						
Payable from Treasury [1]	[2] 38,069	[3] 16,841	[4] 14,339	554	442	173
Payable from postal revenues [5]	412,528	523,408	701,424	572,528	596,909	629,199
Department of State	12,762	11,098	11,022	17,570	15,896	15,246
Treasury Department	317,690	432,152	359,328	243,845	279,612	269,355
Interest on the public debt	1,052,300	1,017,500	922,650	[6] 1,100,000	940,000	805,000
Sinking fund and debt retirements chargeable against ordinary receipts	(7)	287,500	265,755	330,089	507,011	471,806
War Department	870,465	494,975	459,080	359,592	355,211	341,340
Increase of compensation [8]	30,760	35,000	35,000			
Total	6,454,597	4,780,830	3,909,282	4,248,141	4,092,544	3,748,652
Deduct amount payable from postal revenues [5]	412,528	523,408	701,424	572,528	596,909	629,199
Net total	6,042,068	4,257,361	3,207,858	3,675,612	3,495,635	3,119,453

Branch	68th, 1926	69th, 1927	69th, 1928	70th, 1929	70th, 1930	71st, 1931
Legislative	15,720	20,160	16,480	18,970	21,338	20,521
Executive Office	534	824	438	437	594	628
Independent offices	590,347	639,941	520,041	648,089	661,319	1,169,256
District of Columbia	40,209	38,459	38,920	41,541	42,569	52,468
Department of Agriculture	146,715	167,572	153,430	163,668	169,660	220,288
Department of Commerce	25,143	31,526	36,822	40,713	60,508	61,301
Department of the Interior	274,826	270,351	285,800	353,332	334,467	87,159
Department of Justice	28,104	27,200	26,432	29,049	30,771	42,248
Department of Labor	9,338	10,184	10,160	11,181	11,429	12,849
Navy Department	324,752	325,791	320,466	394,736	379,152	389,183
Post Office Department:						
Payable from Treasury [1]	244	32	18	67	28	43,075
Payable from postal revenues [5]	651,256	842,420	755,364	776,975	842,125	840,271
Department of State	18,187	17,819	12,312	15,609	15,826	18,778
Treasury Department	340,915	330,207	345,269	455,474	427,393	372,557
Interest on the public debt	830,000	795,000	755,000	676,000	640,000	619,000
Sinking fund and debt retirements chargeable against ordinary receipts	484,766	515,583	503,630	541,942	553,068	635,324
War Department	364,625	397,386	370,429	466,795	474,990	477,799
Total	4,151,682	4,409,463	4,211,011	4,633,578	4,665,237	5,071,712
Deduct amount payable from postal revenues [5]	651,256	842,420	755,364	776,975	842,125	840,271
Net total	3,500,426	3,567,044	3,455,647	3,856,603	3,823,112	4,231,440

[1] 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 5.)
[2] Includes $35,698,000 additional compensation, Postal Service.
[3] Includes $14,000,000 for deficit under Federal control of telegraph and telephone systems.
[4] Includes $11,053,000 certified claims.
[5] These figures include amounts which may be required under indefinite appropriations (payable from the Treasury) to supply deficiencies, if any, in the postal revenues.
[6] Includes $125,000,000 of accumulated interest on war-savings certificates, series of 1918, to be paid during the fiscal year 1923 though properly allocable to the full five years of their life.
[7] The sinking fund created by the act of Feb. 25, 1862, was repealed by the act of Mar. 3, 1919. The act of Mar. 3, 1919, created a cumulative sinking fund beginning with the fiscal year 1921.
[8] In 1919 to 1922, indefinite appropriations, estimated. In 1923 and 1924, definite amounts were appropriated which are included under the several departments and establishments. Thereafter, this item was absorbed by rates of pay included under the classification act, approved Mar. 4, 1923.

Source: Annual Report of the Secretary of the Treasury.

No. 182.—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 173, 175, and 177 which represent the deposits of these collections in the Treasury or depositaries 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 [1]	Fermented liquors [1]	Tobacco [1]	Income and profits [2]	Legacies, inheritances, etc.	Sales of manufacturers and dealers [1,3]	Documentary stamps [4]	Other [5]
1863–1865	122,942	18,079	2,551	7,697	28,005	305	43,444	6,915	15,946
1866–1870	221,707	37,220	5,931	21,962	50,604	2,277	63,283	14,932	25,580
1871–1875	119,971	49,877	8,684	34,450	7,750	[6] 2,505	2,931	9,745	6,024
1876–1880	116,681	55,614	10,510	40,000	(7)		341	6,272	3,943
1881–1885	132,064	71,163	16,614	36,964	[8] 20		70	4,433	2,803
1886–1890	126,711	72,045	22,931	30,901			14	5	815
1891–1895	150,262	86,898	30,841	30,802	[9] 77		3	(7)	1,703
1896–1900	206,624	92,876	49,593	41,900		[8] 2,060	1,971	[9] 25,253	4,307
1901–1905	255,314	128,178	58,930	49,650		3,652	1,053	[8] 23,956	4,269
1906–1910	261,321	144,557	58,609	52,020	[6] 20,960	[8] 96	107		1,736
1911–1915	356,851	155,854	68,063	74,866	49,737		739	[6] 20,494	3,494
1916–1920	2,855,761	226,293	93,352	169,853	1,984,473	[10] 59,790	77,800	38,559	217,500
1921–1925	3,158,975	[11] 42,400	17	301,176	2,121,913	126,415	186,135	58,373	322,546
1926–1930	2,894,284	[11] 17,482	4	405,614	2,222,032	81,262	55,484	51,586	60,819
1903	230,741	131,953	47,548	43,515		5,357	160		2,208
1904	232,904	135,810	49,083	44,656		2,072	148		1,134
1905	234,188	135,959	50,361	45,660		774	162		1,273
1906	249,103	143,304	55,642	48,423		142	150		1,352
1907	269,664	156,337	59,568	51,811		50	181		1,718
1908	251,666	140,159	59,808	49,863			176		1,661
1909	246,213	134,868	57,456	51,887			165		1,836
1910	289,457	148,029	60,572	58,118	20,960		165		2,112
1911	322,526	155,280	64,368	67,006	33,512		153		2,209
1912	321,616	150,301	63,269	70,590	28,583		169		2,613
1913	344,424	163,879	66,267	76,789	35,006		156		2,326
1914	380,009	159,098	67,082	79,987	71,381		128		2,333
1915	415,681	144,620	79,329	79,957	80,202		3,089	20,494	7,989
1916	512,723	158,682	88,771	88,064	124,937		4,219	38,110	9,939
1917	809,394	192,111	91,837	103,202	387,382	6,077	775	8,254	19,695
1918	3,698,956	317,554	126,286	156,189	2,852,325	47,453	36,037	21,875	140,638
1919	3,850,150	365,211	117,840	206,003	2,900,784	82,030	79,400	43,751	355,131
1920	5,407,580	97,905	41,966	295,809	3,956,936	103,636	267,969	81,259	562,100
1921	4,595,357	82,598	25	255,219	3,228,138	154,043	229,398	69,864	576,071
1922	3,197,451	[11] 45,563	46	270,759	2,086,918	139,419	174,361	55,919	424,464
1923	2,621,745	[11] 30,354	4	309,015	1,691,090	126,705	185,117	61,490	217,970
1924	2,796,179	[11] 27,580	5	325,639	1,841,759	102,967	200,922	58,526	238,781
1925	2,584,140	[11] 25,903	2	345,247	1,761,659	[12] 108,940	140,877	46,068	155,444
1926	2,836,000	[11] 26,436	16	370,666	1,974,104	[12] 119,216	150,220	49,801	145,540
1927	2,865,683	[11] 21,105	1	376,170	2,219,952	100,340	66,850	32,603	48,572
1928	2,700,536	[11] 15,307	(7)	396,450	2,174,573	60,087	51,952	43,818	48,347
1929	2,939,054	[11] 12,777	(7)	434,445	2,331,274	61,807	5,724	58,798	34,140
1930	3,040,146	[11] 11,695		450,339	2,410,259	64,770	2,676	72,909	27,497

Year	Transportation, telegraph, etc.	Beverages (nonalcoholic), etc.	Corporation capital stock	Theater admissions, etc.	Year	Transportation, telegraph, etc.	Beverages (nonalcoholic), etc.	Corporation capital stock	Theater admissions, etc.
1917			10,472		1924	34,662	10,419	87,472	77,713
1918	70,737	2,215	24,995	26,357	1925			90,003	30,908
1919	237,840	7,182	28,776	50,920	1926			97,386	23,981
1920	280,348	57,461	93,020	76,721	1927			8,970	17,941
1921	301,512	58,676	81,526	89,731	1928			8,689	17,725
1922	198,890	33,504	80,612	73,385	1929			5,956	6,083
1923	30,381	10,132	81,568	70,175	1930			47	4,231

[1] Including special taxes relating to manufacture and sale.
[2] Including receipts from excise tax on corporations for the years 1910 to 1914, and munition manufacturers' tax for 1917 and 1918.
[3] Revised to include tax on adulterated, process, or renovated butter, mixed flour, and filled cheese, 1901 to 1918, stamp tax on medicinal articles and preparations, 1898 to 1902, and excise tax on perfumery, cosmetics etc., 1915 to 1922; these items were formerly included under "Miscellaneous" or "Stamps" for the years named. Figures for 1863 to 1878 include receipts from the tax on raw cotton.
[4] Includes proprietary stamps prior to 1896–1900.
[5] The totals in this column for the years 1917 to 1930 include items shown in detail in second part of table.
[6] Figures for one year only. [7] Less than $500. [8] Average for two years. [9] Average for three years.
[10] Average for four years. [11] Consists chiefly of tax on distilled spirits (nonbeverage).
[12] Includes gift tax amounting to $7,518,000 in 1925 and $3,175,000 in 1926.

Source: Annual Report of the Secretary of the Treasury.

No. 183.—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 182

	1925	1926	1927	1928	1929	1930
Grand total	2,584,140	2,836,090	2,865,663	2,790,536	2,639,054	3,040,146
Income and profits [1]	1,761,659	1,974,104	2,219,952	2,174,573	2,331,274	2,410,269
Corporation [1]	916,233	1,094,980	1,308,013	1,201,846	1,235,733	1,263,414
Individual	845,426	879,124	911,940	882,727	1,095,541	1,146,845
Estates of decedents	101,422	116,041	100,349	60,087	61,897	64,770
Gifts: Transfer of property by gift	7,518	3,175				
Distilled spirits	25,903	26,436	21,195	15,307	12,777	11,695
Distilled spirits (nonbeverage)	23,179	23,752	18,757	13,609	11,590	10,717
Distilled spirits (beverage) and rectified spirits or wines	15	55	16	13	11	10
Still or sparkling wines, cordials, etc.	1,595	1,679	706	893	293	239
Grape brandy used in fortifying sweet wines	475	322	401	201	208	124
Rectifiers, dealers, manufacturers of stills, etc. (special taxes)	533	535	1,148	504	528	526
Miscellaneous collections	105	92	77	86	88	79
Fermented liquors	2	16	1	[2]	[2]	
Tobacco	345,247	370,866	376,170	396,450	434,445	450,339
Cigars (large)	43,347	38,319	23,545	22,879	22,549	21,141
Cigars (small)	731	533	353	301	323	302
Cigarettes (large)	110	127	87	76	83	65
Cigarettes (small)	225,033	254,825	278,929	301,753	341,952	359,816
Snuff	6,754	6,918	6,908	7,461	7,127	7,542
Tobacco, chewing and smoking	66,922	67,711	65,070	62,774	61,159	60,098
Cigarette papers and tubes	1,189	1,061	1,170	1,124	1,180	1,324
Manufacturers (special taxes)	1,126	1,132				
Miscellaneous collections	36	41	109	18	73	51
Revenue acts of 1924, 1926, and 1928	326,607	341,161	[3] 142,327	[3] 138,232	[3] 93,775	[3] 97,781
Documentary stamps, etc.—						
Sales by postmasters	7,738	7,881	35	15,561	17,868	22,611
Bonds of indebtedness, capital-stock issues, etc.	20,125	20,600	13,009			
Capital-stock sales or transfers	12,809	17,137	16,674	24,209	37,596	46,698
Sales of produce (future deliveries)	5,397	4,183	2,865	4,048	3,333	3,600
Playing cards	3,183	4,213	4,742	5,011	5,370	4,819
Excise taxes—						
Automobile trucks	7,808	6,817				
Other automobiles and motor cycles [4]	94,142	113,133	66,438	51,627	5,546	2,320
Tires, parts, or accessories for automobiles, etc.	22,737	18,205				
Pistols and revolvers	3,664	51	103	109	166	344
Other firearms, shells, etc.		2,567				
Jewelry, clocks, watches, opera glasses, etc.	9,673	7,308				
Miscellaneous	2,829	2,117	199	139		
Opium, coca leaves, including special taxes, etc.	1,091	982	798	690	605	589
Corporations, on value of capital stock	90,603	97,386	[5] 8,970	[5] 8,689	[5] 5,956	[5] 47
Other special taxes	5,812	4,548	8	10		
Admissions to theaters, concerts, cabarets, etc.	30,908	23,981	17,941	17,725	6,083	4,231
Dues of clubs	8,691	10,074	10,436	10,353	11,245	12,521
Miscellaneous:						
Adulterated, process or renovated butter, filled cheese, and mixed flour	25	22	21	15	12	12
Oleomargarine	3,039	3,070	3,164	3,408	3,611	3,919
Collections under prohibition laws	561	416	503	925	727	1,105
Other miscellaneous receipts [6]	12,157	871	2,010	1,537	536	266

[1] Includes income tax on Alaska railroads (act of July 18, 1914).
[2] Less than $500.
[3] Totals include back tax collections from automobiles, 1929 and 1930, and from corporation capital stock, 1927 to 1930.
[4] Tax repealed effective May 29, 1928.
[5] Tax due prior to July 1, 1926.
[6] Consists chiefly of delinquent taxes collected under repealed laws.

Source: Annual Report of the Commissioner of Internal Revenue.

No. 184.—INTERNAL REVENUE: RECEIPTS BY STATES, YEARS ENDED JUNE 30

NOTE.—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. See also headnote, Table 182.

[All figures in thousands of dollars]

Division and State	Income taxes				Miscellaneous internal revenue			
	1927	1928	1929	1930	1927	1928	1929	1930
Total	2,219,952	2,174,573	2,331,274	2,410,259	645,731	615,962	607,780	629,887
New England	166,201	160,035	177,627	182,362	15,157	11,083	9,253	11,749
Maine	8,564	8,086	8,387	7,928	1,902	383	302	743
New Hampshire	3,007	3,246	3,353	3,287	496	749	025	472
Vermont	2,656	2,221	2,309	2,146	164	82	54	84
Massachusetts	105,269	98,530	109,723	109,653	9,481	6,888	5,797	6,050
Rhode Island	12,905	13,572	13,596	13,863	803	1,198	519	1,445
Connecticut	33,800	34,381	40,259	45,455	2,311	1,733	1,956	2,936
Middle Atlantic	953,516	946,498	1,047,694	1,138,021	174,290	159,032	154,866	145,095
New York	649,299	646,604	744,782	830,165	105,780	106,581	98,754	93,790
New Jersey	81,301	82,956	93,922	94,812	32,662	22,646	27,525	29,136
Pennsylvania	222,916	216,938	208,990	213,044	35,848	29,805	28,587	17,159
East North Central	518,347	514,120	542,677	534,874	121,415	104,411	56,786	56,980
Ohio	117,649	113,764	121,822	126,150	29,782	25,923	20,676	19,480
Indiana	28,406	27,246	25,402	23,340	7,709	7,449	2,636	2,938
Illinois	194,971	201,135	217,402	223,375	22,408	20,885	20,826	23,762
Michigan	141,639	128,484	140,484	127,075	56,360	45,495	10,939	9,401
Wisconsin	35,682	43,492	37,508	34,134	5,156	4,659	1,710	1,370
West North Central	120,760	114,840	116,722	115,324	18,659	16,645	17,292	14,781
Minnesota	26,219	26,105	27,668	28,598	2,224	1,740	1,401	1,840
Iowa	11,726	11,310	12,836	12,843	941	672	595	526
Missouri	55,903	51,979	51,633	50,542	14,392	13,106	14,219	11,482
North Dakota	740	748	665	524	58	40	45	32
South Dakota	737	679	794	840	86	67	44	48
Nebraska	5,808	5,333	5,857	5,309	370	400	323	397
Kansas	19,627	18,686	17,270	16,668	588	621	665	466
South Atlantic	168,817	154,668	156,629	160,397	263,269	281,284	320,763	348,324
Delaware	14,319	20,011	28,167	39,103	1,056	1,006	2,143	1,042
District of Columbia	16,020	16,361	15,678	14,784	2,207	825	1,417	940
Maryland	29,627	28,254	31,332	35,954	2,852	3,057	3,315	2,530
Virginia	20,781	21,891	20,177	18,592	58,380	61,804	67,307	78,103
West Virginia	15,750	13,352	11,349	9,451	2,606	2,530	2,913	2,689
North Carolina	19,205	20,351	20,067	16,981	186,447	204,964	234,428	257,276
South Carolina	3,826	3,737	3,600	2,802	250	161	157	217
Georgia	13,699	13,550	13,500	12,146	578	633	556	375
Florida	35,590	17,181	12,859	11,084	8,893	6,304	8,529	5,652
East South Central	43,764	39,203	38,683	35,943	16,172	14,052	18,435	22,174
Kentucky	16,258	15,001	15,198	14,946	11,423	9,019	11,405	17,432
Tennessee	13,723	13,351	13,761	12,204	4,089	4,485	4,224	4,184
Alabama	10,458	8,178	7,599	6,657	525	470	555	504
Mississippi	3,325	2,674	2,326	2,046	135	87	190	54
West South Central	86,670	82,251	71,818	68,442	4,645	4,142	4,342	3,878
Louisiana	15,396	12,181	12,985	10,569	2,083	2,034	2,095	1,630
Texas	42,964	45,659	37,704	36,963	1,995	1,673	1,702	1,921
Oklahoma	23,257	20,188	17,572	17,872	362	327	369	208
Arkansas	5,053	4,224	3,557	3,038	205	108	116	119
Mountain	24,392	24,288	24,044	24,258	3,199	1,184	2,252	1,438
Montana	2,376	2,825	3,049	2,531	1,955	154	1,379	80
Wyoming	1,830	2,057	1,110	723	56	110	57	29
Colorado	12,657	11,453	11,038	12,048	817	427	502	420
New Mexico	658	772	934	858	22	17	32	67
Arizona	1,673	1,737	2,311	2,827	64	183	88	139
Utah	3,769	3,663	3,479	3,122	154	108	89	104
Nevada	501	690	1,076	1,321	83	113	65	558
Idaho	1,428	1,071	1,049	828	49	73	41	41
Pacific	131,699	132,468	149,551	144,903	28,356	23,658	25,284	24,433
Washington	13,192	12,156	13,424	13,644	662	583	596	660
Oregon	6,198	5,815	5,903	5,376	514	294	283	368
California	112,309	114,437	130,224	125,883	27,180	22,781	24,405	23,405
Philippine Islands					377	388	372	325
Hawaii	5,144	6,112	5,473	5,298	187	132	133	218
Alaska	143	149	157	138	4	1	1	1

Source: Annual Report of the Commissioner of Internal Revenue.

No. 185.—PERSONAL AND CORPORATION INCOME TAX RETURNS: BY STATES AND TERRITORIES, 1928

Division and State	Number of returns		Net income (thousands of dollars)		Tax (thousands of dollars)			Total tax, per cent of total United States
	Personal	Corporation	Personal	Corporation	Personal	Corporation	Total	
Total	4,070,851	495,892	25,226,326	10,617,741	1,164,254	1,184,142	2,348,396	100.00
New England	364,560	34,905	2,288,052	698,336	98,246	76,987	175,233	7.46
Maine	18,611	3,644	111,553	34,915	4,262	3,703	7,965	.34
New Hampshire	14,132	1,322	72,610	11,398	1,992	1,168	3,160	.13
Vermont	9,394	1,112	48,086	10,314	1,050	1,033	2,084	.09
Massachusetts	215,559	18,851	1,357,076	412,506	59,739	45,923	105,662	4.50
Rhode Island	25,801	2,871	176,225	51,732	8,093	5,585	13,678	.58
Connecticut	81,063	7,105	522,497	177,471	23,104	19,570	42,674	1.82
Middle Atlantic	1,338,319	149,439	9,904,458	4,530,879	600,269	512,905	1,113,174	47.40
New York	780,418	103,372	6,458,089	3,248,917	451,607	367,733	819,340	34.89
New Jersey	196,681	20,509	1,241,411	376,247	51,890	41,171	93,061	3.96
Pennsylvania	361,220	25,558	2,204,956	905,715	96,772	104,001	200,773	8.55
East North Central	945,847	97,162	5,583,654	2,645,749	239,215	298,331	537,546	22.89
Ohio	218,479	24,722	1,302,762	589,966	55,394	64,775	120,169	5.12
Indiana	75,376	11,703	335,337	122,603	10,101	12,902	23,003	.98
Illinois	373,621	30,444	2,302,631	1,012,940	110,660	115,222	225,882	9.62
Michigan	179,896	14,920	1,065,530	735,071	50,601	85,310	135,911	5.79
Wisconsin	98,485	15,303	453,394	184,569	12,459	20,122	32,581	1.38
West North Central	265,550	53,242	1,501,634	628,595	42,620	67,346	109,966	4.68
Minnesota	60,752	11,302	340,153	155,637	11,925	17,091	29,016	1.23
Iowa	40,789	8,643	221,881	65,510	6,216	6,604	12,820	.55
Missouri	99,295	16,751	563,951	256,781	18,911	27,953	46,864	2.00
North Dakota	9,710	3,523	34,878	5,688	209	321	530	.02
South Dakota	10,649	2,954	38,955	6,229	322	395	717	.03
Nebraska	31,426	4,830	139,471	30,623	2,109	2,883	4,992	.21
Kansas	32,929	5,223	162,395	108,127	2,928	12,099	15,027	.64
South Atlantic	297,093	49,214	1,628,663	778,306	69,812	86,416	146,228	6.23
Delaware	9,592	1,705	107,335	189,783	10,592	22,067	32,659	1.39
Maryland	65,258	5,970	409,372	156,352	16,127	17,573	33,700	1.43
Dist. of Col	44,183	2,220	227,021	55,898	7,474	6,423	13,897	.59
Virginia	37,619	6,785	181,750	118,505	4,409	13,166	17,575	.75
West Virginia	30,643	5,146	140,128	51,923	2,921	5,445	8,366	.36
North Carolina	30,997	6,669	161,039	96,562	6,052	10,770	16,822	.72
South Carolina	13,725	3,817	55,510	17,816	717	1,804	2,521	.11
Georgia	32,921	5,620	167,064	64,903	3,806	6,892	10,698	.46
Florida	32,155	11,283	178,344	27,064	7,714	2,276	9,990	.42
East South Central	113,437	18,195	590,910	184,099	18,063	19,333	35,395	1.51
Kentucky	35,367	5,894	193,736	75,154	5,639	8,172	13,811	.59
Tennessee	35,039	5,213	190,287	65,893	5,624	7,039	12,663	.54
Alabama	26,891	4,656	142,168	31,252	4,036	3,055	7,091	.30
Mississippi	16,140	2,432	64,689	12,700	764	1,066	1,830	.08
West South Central	203,175	29,528	1,047,026	330,498	26,107	34,260	60,367	2.57
Arkansas	16,600	2,760	71,690	17,064	878	1,572	2,450	.10
Louisiana	36,981	6,072	184,035	60,221	4,330	6,122	10,502	.45
Oklahoma	37,261	6,456	211,062	79,233	6,447	8,125	14,572	.62
Texas	112,273	14,238	580,239	173,980	14,402	18,441	32,843	1.40
Mountain	102,585	22,006	469,480	138,716	10,051	12,441	22,492	.95
Montana	17,112	3,708	72,908	14,643	1,298	1,249	2,547	.11
Idaho	9,808	2,352	37,123	6,645	283	535	818	.03
Wyoming	8,622	1,441	33,233	5,737	372	457	829	.04
Colorado	31,091	7,134	158,932	59,932	4,466	6,109	10,569	.45
New Mexico	6,686	1,103	29,996	4,621	464	415	879	.04
Arizona	11,527	1,734	58,369	9,811	1,000	936	2,536	.11
Utah	13,262	3,508	58,809	20,363	1,096	2,004	3,100	.13
Nevada	4,477	1,026	20,110	6,964	478	736	1,214	.05
Pacific	[1] 412,238	41,274	[1] 2,172,051	657,065	[1] 70,559	72,194	142,753	6.08
Washington	[1] 66,167	11,847	[1] 273,648	75,391	[1] 4,465	7,419	11,884	.51
Oregon	29,333	6,673	132,829	29,385	2,387	2,737	5,121	.22
California	316,738	22,754	1,765,574	552,289	63,707	62,038	125,745	5.35
Alaska	[2]	175	[2]	642	[2]	46	46	.01
Hawaii	8,047	734	43,350	33,456	1,312	3,884	5,196	.22

[1] Includes Alaska.
[2] Included with Washington.

Source: Statistics of Income, Report of Commissioner of Internal Revenue, Treasury Department.

No. 186.—PERSONAL AND CORPORATION TAX RETURNS: SUMMARY

NOTE.—Under the various revenue laws the following individuals were required to file personal returns: In 1913 to 1916, those with net income of $3,000 and over; 1917 to 1924, $1,000 and over; 1925 to 1928, $1,500 and over; or if married and living with husband or wife filing a joint return, $2,000 in 1917 to 1923, $2,500 in 1924, and $3,500 in 1925 to 1928; also, beginning 1921, individuals with gross income of $5,000 or over regardless of net income. All income tax data include Alaska and Hawaii

Calendar year	Number of returns			Net income		Tax yield				
		Corporation		Personal	Corporation	Personal			Corporation	
	Personal	Reporting net income	Reporting no net income [1]			Total	Normal	Surtax	Income tax	War and excess profits
				Millions of dollars		Thousands of dollars				
1913	357,598	188,866	128,043	[2] 3,900	4,714	28,254	12,728	15,525	[3] 43,128	
1914	357,515	174,205	[4] 125,240	4,000	3,940	41,046	16,559	24,487	39,145	
1915	336,652	190,911	[4] 175,532	4,000	5,310	67,944	23,996	43,948	56,994	
1916	437,036	206,084	134,269	6,298	8,766	173,387	51,441	121,946	171,805	
1917 [5]	3,472,890	232,079	119,347	13,652	10,730	691,493	156,897	[6] 534,596	503,698	1,638,748
1918	4,425,114	202,061	115,518	15,925	8,362	1,127,722	476,433	651,289	653,198	2,505,566
1919	5,332,760	209,634	110,564	19,860	9,411	1,269,630	468,105	801,525	743,536	1,431,806
1920	7,259,944	203,233	142,362	23,736	7,903	1,075,054	478,250	596,804	636,508	988,726
1921	6,662,176	171,239	185,168	19,577	4,336	719,387	308,059	411,328	366,444	335,132
1922	6,787,481	212,535	170,348	21,336	6,964	[7] 861,057	355,410	474,581	775,310	8,466
1923	7,698,321	233,339	165,594	24,778	8,322	[7] 661,666	283,791	348,089	937,107	
1924	7,369,788	236,389	181,032	25,656	7,587	[7] 704,265	257,795	437,540	881,550	
1925	4,171,051	252,334	177,738	21,895	9,584	[7] 734,555	216,360	432,853	1,170,331	
1926	4,138,092	258,134	197,186	21,959	9,673	[7] 732,471	200,599	448,330	1,229,797	
1927	4,101,547	259,849	215,182	22,545	8,982	[7] 830,639	215,817	511,731	1,130,674	
1928	4,070,851	268,783	227,109	25,226	10,618	[7] 1,164,254	281,895	688,825	1,184,142	

[1] Includes inactive concerns (52,231 in 1928) reporting no income or not reporting income data.
[2] Determined on the basis of the number of returns filed and the average net income in each class.
[3] Includes excise tax, $10,071,000, under act of Aug. 5, 1909.
[4] Figures for 1915 contain approximately 30,000 returns which properly belong in 1914.
[5] In 1917 there was also a war and excess-profits tax on partnerships of $103,888,000, which is not shown.
[6] Includes war and excess-profits tax, $101,250,000.
[7] Includes tax on capital net gain from sale of assets held for more than 2 years. In 1924 to 1928 figures represent net tax after deducting tax credits of 12½ per cent on capital net loss from sale of assets held over 2 years and 25 per cent of tax on earned net income.

No. 187.—GROSS INCOME OF CORPORATIONS: BY INDUSTRIAL GROUPS

NOTE.—Gross income excludes nontaxable income, except dividends on capital stock of domestic corporations beginning 1922, but includes receipts from all other sources. Sales are included on a gross basis but only net profits from the sale of real estate, stocks, bonds, and other capital assets are included. Data are not comparable with "total income" of individuals shown in other tables. See also Table 189

[In millions of dollars]

Industrial group	1921	1922	1923	1924	1925	1926	1927	1928
Total	91,249	100,921	118,564	119,230	134,260	142,129	144,398	157,254
Agriculture and related industries	676	705	774	810	794	864	822	825
Mining and quarrying	3,889	3,695	4,863	4,849	4,925	4,548	3,837	3,589
Manufacturing, total	38,442	44,683	56,221	53,911	60,830	62,495	63,722	67,273
Foods, beverages, and tobacco	8,270	8,865	10,078	11,847	13,400	13,475	13,914	14,249
Textiles and textile products	5,686	6,795	7,857	7,189	7,717	7,753	7,807	7,837
Leather and leather products	1,418	1,464	1,597	1,507	1,515	1,661	1,731	1,722
Rubber and rubber goods	638	943	1,079	1,122	1,409	1,600	1,447	1,386
Lumber and wood products	1,847	2,402	2,975	2,835	2,968	3,069	2,805	2,842
Paper, pulp, and products	1,004	1,162	1,444	1,364	1,491	1,652	1,669	1,728
Printing and publishing	1,722	1,847	1,985	2,166	2,282	2,547	2,567	2,680
Chemicals and allied substances	3,879	5,711	6,108	5,890	7,065	8,090	8,768	9,550
Stone, clay, and glass products	954	1,172	1,364	1,383	1,502	1,665	1,600	1,655
Metals and metal products	9,805	9,976	16,601	15,939	19,110	18,454	19,185	21,174
All other manufacturing	3,220	4,345	5,133	2,668	2,311	2,527	2,229	2,450
Construction	1,773	1,766	2,224	2,210	2,306	2,816	3,053	2,978
Transportation and public utilities [1]	9,001	9,754	10,527	10,176	11,381	14,764	15,140	15,802
Trade	27,344	28,677	32,274	35,116	39,847	40,938	40,944	43,204
Public service	1,755	2,216	2,419	2,632	2,839	3,360	3,587	3,828
Finance, banking, insurance, etc	7,551	8,932	8,464	9,072	10,517	12,300	13,204	19,707
Predominant branch not ascertainable and nominal concerns	818	491	799	454	322	45	86	48

[1] Data prior to 1925 incomplete as these corporations to a large extent reported merely net income.

Source of Tables 186 and 187: Statistics of Income, Report of the Commissioner of Internal Revenue.

No. 188.—CORPORATION DIVIDENDS: AS SHOWN IN INCOME TAX RETURNS

NOTE.—The total cash and stock dividends for earlier years are as follows: 1922, cash, $3,436,715,000, stock, $3,348,000,000; 1923, cash, $4,169,100,000, stock, $891,300,000; 1924, cash, $4,338,800,000, stock $510,500,000

[All figures in millions and tenths of millions of dollars]

Industrial group	1925		1926		1927		1928	
	Cash dividends	Stock dividends	Cash dividends	Stock dividends	Cash dividends	Stock dividends	Cash dividends	Stock dividends
Total	5,189.5	544.4	5,945.3	757.6	6,423.8	702.5	7,073.7	550.1
Agriculture and related industries	30.9	4.1	32.3	1.6	47.1	1.4	50.4	1.1
Mining and quarrying	335.1	3.9	402.7	19.5	329.9	5.3	311.4	10.8
Manufacturing, total	2,223.8	267.4	2,544.2	463.4	2,603.3	248.0	2,981.6	260.8
Foods, beverages, and tobacco	312.2	72.1	327.2	41.1	365.9	71.0	374.9	19.1
Textiles and textile products	186.2	26.8	185.3	25.5	195.5	20.9	197.9	19.5
Leather and leather products	38.8	10.0	33.3	10.2	29.3	15.0	47.7	10.8
Rubber and rubber goods	33.1	1.2	41.3	1.2	58.4	2.3	27.5	6.4
Lumber and wood products	119.7	13.7	124.3	15.1	108.6	9.7	112.6	11.6
Paper, pulp, and products	64.3	3.6	56.2	6.1	65.9	9.9	80.7	11.9
Printing, and publishing	90.6	14.4	121.9	6.8	137.7	17.4	128.1	5.5
Chemicals and allied substances	477.7	28.7	544.3	91.6	521.3	12.4	771.1	95.5
Stone, clay, and glass products	79.1	29.2	101.5	13.7	85.9	5.8	83.3	17.4
Metals and metal products	714.0	60.3	889.9	239.6	957.5	76.8	1,054.0	56.5
All other manufacturing	99.2	7.5	119.0	12.5	77.3	6.8	103.8	15.6
Construction	70.0	11.6	55.3	10.1	75.1	16.1	65.3	11.3
Transportation and public utilities	1,006.8	77.2	1,276.7	68.1	1,606.9	64.2	1,652.8	44.3
Trade	506.3	90.5	525.3	80.2	553.5	127.9	661.7	74.4
Public service	107.9	9.5	125.2	12.9	133.7	46.6	134.3	12.9
Finance—banking, insurance, etc	896.8	78.6	978.6	100.5	1,069.0	192.8	1,313.9	125.4
Predominant branchnot ascertainable and nominal concerns	11.8	1.7	4.9	1.3	5.3	.2	2.6	.1

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

No. 189.—CORPORATION INCOME TAX RETURNS: ANALYSIS OF RECEIPTS AND DEDUCTIONS, TOTALS, 1925 TO 1928, AND BY INDUSTRIAL GROUPS, 1928

[All figures in millions or millions and tenths of millions of dollars]

	Aggregate				Manufacturing			
	1925	1926	1927	1928	Total	Food	Textiles	Leather
Receipts, total [1]	136,711	142,629	144,899	157,848	67,368	14,256.3	7,845.7	1,722.8
Gross sales	108,763	106,206	106,864	112,436	64,361	13,955.0	7,675.3	1,686.2
Gross profits from sales [2]	*22,117*	*23,729*	*25,377*	*25,171*	*15,625*	*2,515.2*	*1,487.0*	*296.3*
Gross profits other than from sales	26,252	9,332	9,420	10,334	1,073	74.2	86.9	8.7
Interest		3,712	3,989	4,476	386	81.0	24.7	4.7
Miscellaneous income		21,373	22,467	28,092	978	108.2	89.1	19.1
Not subject to tax—								
Dividends of other domestic corporations	1,176	1,505	1,658	1,917	475	30.5	11.3	3.1
Interest on Federal, State, and municipal bonds	520	500	501	593	95	7.4	8.4	1.0
Deductions, total	127,395	133,119	136,230	147,112	62,887	13,655.5	7,699.9	1,669.4
Cost of goods sold	86,646	82,484	83,487	87,265	48,736	11,439.8	6,238.3	1,389.9
Interest paid	3,617	3,939	4,375	4,582	710	133.0	72.3	35.2
Taxes paid other than income tax	(3)	1,878	2,014	2,203	573	73.2	56.6	8.8
Depreciation, amortization, and depletion	3,330	3,841	3,848	4,113	1,922	210.7	151.4	19.2
Miscellaneous expense	33,801	40,927	42,506	48,949	10,946	1,801.8	1,111.3	216.3
Net profits	9,316	9,510	8,669	10,736	4,481	597.8	215.8	53.4
Deduct tax-exempt items (above)	1,695	2,005	2,159	2,510	570	58.0	19.7	4.1
Net income	7,621	7,505	6,510	8,226	3,911	559.8	196.1	49.3
Deduct prior year loss	243	236	244	301	117	16.9	13.7	1.7
Net income, deducting prior year loss	7,378	7,269	6,266	7,925	3,794	542.8	182.4	47.6
Total tax	1,170	1,230	1,131	1,184	544	72.9	39.3	8.8

For footnotes see p. 193

No. 189.—Corporation Income Tax Returns: Analysis of Receipts and Deductions, Totals, 1925 to 1928, and by Industrial Groups, 1928—Con.

[All figures in millions and tenths of millions of dollars]

	Manufacturing—Continued							
	Rubber	Lumber	Paper	Printing	Chemicals	Stone, etc.	Metal	All other
Receipts, total [1]	1,386.6	2,844.7	1,729.1	2,683.6	9,567.4	1,658.2	21,221.6	2,451.6
Gross sales	1,350.0	2,730.8	1,664.6	2,454.7	8,633.7	1,604.5	20,266.1	2,340.3
Gross profits from sales [2]	*235.8*	*642.6*	*430.5*	*845.0*	*2,303.5*	*525.3*	*5,148.0*	*701.1*
Gross profits other than from sales	3.9	26.9	6.9	134.5	405.2	6.9	344.3	24.4
Interest	6.1	16.1	18.1	11.6	76.5	7.5	125.4	13.9
Miscellaneous income	17.1	59.6	22.2	50.3	159.6	32.1	373.0	48.1
Not subject to tax—								
Dividends of other domestic corporations	9.1	8.7	15.7	28.8	276.0	3.8	65.1	22.6
Interest on Federal, State, and municipal bonds	.4	2.6	1.6	3.7	16.4	3.4	47.7	2.3
Deductions, total	1,378.3	2,762.8	1,608.1	2,441.5	8,486.6	1,511.5	19,453.8	2,286.9
Cost of goods sold	1,004.7	2,088.3	1,234.1	1,609.7	5,830.2	1,079.2	15,123.1	1,639.2
Interest paid	25.3	48.5	36.2	29.6	120.8	19.7	190.6	20.9
Taxes paid other than income tax	8.8	38.3	19.3	21.4	126.7	15.5	187.8	16.7
Depreciation, amortization, and depletion	32.8	134.9	64.9	58.2	547.4	76.7	578.9	46.7
Miscellaneous expense	246.7	452.8	253.6	722.6	1,861.5	320.4	3,373.4	563.4
Net profits	8.3	81.9	121.0	242.1	1,080.8	146.7	1,767.8	164.7
Deduct tax-exempt items (above)	9.6	11.2	17.4	32.5	292.5	7.3	112.8	24.9
Net income	[3] *1.3*	70.7	103.6	209.6	788.3	139.4	1,655.0	139.8
Deduct prior year loss	1.4	8.4	2.0	4.6	14.8	3.4	42.4	7.8
Net income, deducting prior year loss	[4] *2.7*	62.3	101.6	205.0	773.5	136.0	1,612.6	132.0
Total tax	5.1	15.2	13.7	27.3	89.0	19.7	221.8	21.7

	Agriculture	Mining and quarrying	Construction	Transportation and other public utilities	Trade	Public service	Finance	Nominal concerns
Receipts, total [1]	826.4	3,599.8	2,932.5	15,825.5	43,286.7	3,831.7	20,079.1	48.4
Gross sales	662.4	3,105.1	2,498.0	----------	41,809.0	----------	----------	----------
Gross profits from sales [2]	*247.5*	*952.9*	*446.9*	----------	*7,898.8*	----------	----------	----------
Gross profits other than from sales	100.1	243.4	392.3	1,720.2	571.3	1,682.1	4,545.9	5.7
Interest	9.7	34.4	17.3	247.6	146.8	26.9	3,605.4	2.3
Miscellaneous income	43.4	148.6	59.0	13,253.4	614.8	2,083.4	[5] 10,874.9	36.7
Not subject to tax—								
Dividends of other domestic corporations	9.5	57.6	11.7	580.7	62.2	35.2	681.5	3.3
Interest on Federal, State and municipal bonds	1.3	10.7	4.2	23.6	82.6	4.1	371.4	.4
Deductions, total	785.3	3,406.3	2,867.0	13,581.2	42,250.5	3,664.9	[6] 17,621.0	47.6
Cost of goods sold	414.9	2,152.2	2,051.1	----------	33,910.2	----------	----------	----------
Interest paid	29.6	99.3	31.1	1,367.6	285.1	117.5	1,939.3	1.8
Taxes paid other than income tax	25.0	80.1	14.2	669.6	201.6	71.3	566.9	.8
Depreciation, amortization and depletion	45.1	418.9	62.9	922.9	288.4	166.0	285.6	.9
Miscellaneous expense	270.7	655.8	707.7	10,621.1	7,565.2	3,310.1	[5] 14,829.2	44.1
Net profits	41.1	193.5	115.5	2,244.3	1,036.2	166.8	2,458.1	.8
Deduct tax-exempt items (above)	10.7	68.2	16.0	604.4	144.8	39.3	1,053.0	3.8
Net income	30.4	125.3	99.5	1,639.9	891.4	127.5	1,405.1	[4] *3.0*
Deduct prior year loss	5.4	19.2	10.8	29.1	42.2	13.6	63.3	.2
Net income, deducting prior year loss	25.0	106.1	88.7	1,610.8	849.2	113.9	1,341.8	[4] *3.2*
Total tax	3.2	36.7	17.2	211.7	126.3	25.5	213.2	.3

[1] Includes net profits from sale of real estate, stocks, bonds, and other capital assets, but not gross receipts from these items. Nontaxable income, other than interest on tax-exempt obligations and dividends on stock of domestic corporations, is not included.

[2] Difference between gross sales and cost of goods shown below.

[3] Included in miscellaneous expense.

[4] Deficit.

[5] Includes for a limited number of returns the cost of securities purchased for customers.

[6] Includes special nonexpense deductions of life-insurance companies.

Source: Statistics of Income, Report of Commissioner of Internal Revenue, Treasury Department.

No. 190.—CORPORATION INCOME TAX RETURNS: NUMBER AND NET INCOME (OR DEFICIT) BY INCOME CLASSES, TOTALS 1924 TO 1928, AND BY INDUSTRIAL GROUPS, 1928

[Net income and deficit in thousands of dollars]

	Number	Net income	Number	Net income	Number	Net income	Number	Net income
	1924		1925		1926		1927	
Reporting net income	236,389	7,586,052	252,334	9,583,684	258,134	9,673,403	259,849	8,961,884
Less than $10,000	180,275	440,136	188,848	467,453	197,373	466,772	201,465	465,849
$10,000 to $100,000	47,268	1,404,772	52,747	1,621,589	50,461	1,542,734	48,333	1,471,610
$100,000 to $1,000,000	7,945	2,083,697	9,626	2,520,788	9,203	2,426,847	9,009	2,405,365
$1,000,000 to $5,000,000	739	1,447,837	917	1,876,243	883	1,769,643	855	1,700,282
$5,000,000 and over	162	2,210,210	196	3,097,611	214	3,468,407	187	2,938,778
Reporting deficit [1]	181,032	[2] *2,223,926*	177,738	[2] *1,962,628*	197,186	[2] *2,168,710*	165,826	[2] *2,471,739*
Inactive corporations [3]							40,356	
	1928 [4]		Agriculture		Mining and quarrying		Manufacturing, total	
Reporting net income	268,783	10,617,741	4,504	80,476	5,183	332,679	55,007	4,744,261
Less than $10,000	207,036	512,430	3,651	8,297	3,045	8,136	35,308	96,423
$10,000 to $100,000	50,142	1,522,678	745	21,768	1,162	39,102	14,776	496,716
$100,000 to $1,000,000	9,747	2,052,348	103	23,855	325	87,588	4,323	1,214,523
$1,000,000 to $5,000,000	1,029	2,119,926	4	[5] 26,556	43	80,747	499	1,025,219
$5,000,000 and over	229	3,810,359	1		8	103,106	101	1,911,381
Reporting deficit	174,828	[2] *2,391,124*	4,679	[2] *50,092*	7,750	[2] *207,416*	36,566	[2] *833,735*
Inactive corporations [3]	52,281		1,082		5,860		4,204	
	Food		Textiles		Leather		Rubber	
Reporting net income	9,082	639,770	8,076	351,850	1,362	77,425	349	44,645
Less than $10,000	6,200	16,238	5,484	14,053	845	2,358	213	557
$10,000 to $100,000	2,265	72,349	1,930	66,665	401	13,110	80	3,032
$100,000 to $1,000,000	531	140,028	575	157,129	110	32,527	49	17,069
$1,000,000 to $5,000,000	67	148,973	35	71,606	5	[5] 29,430	6	[5] 23,987
$5,000,000 and over	19	262,182	2	42,397	1		1	
Reporting deficit	5,586	[2] *79,965*	6,098	[2] *155,729*	1,015	[2] *28,038*	331	[2] *45,987*
Inactive corporations [3]	730		334		63		43	
	Lumber		Paper		Printing		Chemicals	
Reporting net income	4,290	142,197	1,345	118,589	7,070	243,650	4,231	848,127
Less than $10,000	2,043	8,019	656	2,073	5,232	13,558	2,493	6,414
$10,000 to $100,000	1,352	44,259	484	17,206	1,484	47,312	1,201	42,038
$100,000 to $1,000,000	283	67,310	184	58,145	320	86,111	438	133,838
$1,000,000 to $5,000,000	12	22,609	21	41,165	31	56,475	76	160,440
$5,000,000 and over					3	41,194	23	495,497
Reporting deficit	3,367	[2] *71,498*	678	[2] *14,969*	3,703	[2] *84,104*	2,820	[2] *59,789*
Inactive corporations [3]	290		70		354		450	
	Stone, etc.		Metal		All other manufacturing		Construction	
Reporting net income	2,676	172,007	12,252	1,910,003	4,274	195,999	10,179	170,906
Less than $10,000	1,725	4,765	6,873	20,779	2,944	7,609	7,993	20,385
$10,000 to $100,000	726	25,076	3,761	130,634	1,042	34,135	1,883	57,242
$100,000 to $1,000,000	190	50,106	1,385	403,408	258	69,852	201	71,845
$1,000,000 to $5,000,000	31	65,716	187	366,680	28	57,230	11	[5] 21,434
$5,000,000 and over	4	26,344	46	988,502	2	27,173	1	
Reporting deficit	1,933	[2] *82,518*	7,479	[2] *254,975*	3,556	[2] *56,179*	7,117	[2] *71,369*
Inactive corporations [3]	243		964		657		1,474	
	Transportation and other public utilities		Trade		Public service		Finance	
Reporting net income	13,882	1,813,088	79,745	1,246,862	19,008	254,186	80,315	1,971,343
Less than $10,000	10,994	22,415	64,966	109,486	16,004	33,868	64,180	152,328
$10,000 to $100,000	2,093	64,633	13,165	370,605	2,628	74,503	13,632	396,646
$100,000 to $1,000,000	591	206,409	1,515	360,081	348	83,360	2,244	603,302
$1,000,000 to $5,000,000	138	309,805	85	157,705	27	[5] 62,455	222	401,633
$5,000,000 and over	66	1,209,825	14	188,985	1		37	357,434
Reporting deficit	7,422	[2] *178,170*	46,602	[2] *355,514*	14,518	[2] *126,709*	48,824	[2] *566,199*
Inactive corporations [3]	2,358		3,419		3,303		16,294	

[1] Includes inactive concerns for 1924 to 1926.
[2] Deficit.
[3] No income data reported.
[4] Including concerns not giving the nature of their business which are not shown separately.
[5] Classes grouped to conceal net income and identity of taxpayer.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

No. 191.—CORPORATION INCOME TAX RETURNS: BY STATES AND TERRITORIES, 1925 TO 1928

[All figures in thousands of dollars]

Division and State	Net income				Income tax			
	1925	1926	1927	1928	1925	1926	1927	1928
Total	9,583,684	9,673,403	8,981,884	10,617,741	1,170,331	1,229,797	1,130,674	1,184,142
New England	642,810	602,608	643,658	698,336	77,146	75,327	78,523	76,987
Maine	39,072	32,529	36,574	34,915	4,584	3,909	4,327	3,703
New Hampshire	10,262	9,293	11,148	11,398	1,169	1,065	1,240	1,168
Vermont	10,238	10,429	9,927	10,314	1,218	1,230	1,164	1,038
Massachusetts	407,769	382,932	399,971	412,506	49,269	48,500	49,174	45,923
Rhode Island	50,376	43,396	49,046	51,732	6,019	5,477	5,791	5,585
Connecticut	125,093	124,029	136,992	177,471	14,887	15,646	16,827	19,570
Middle Atlantic	3,821,163	4,054,794	3,701,485	4,530,879	473,395	521,600	472,045	512,905
New York	2,598,419	2,770,885	2,545,507	3,248,917	322,979	356,409	324,573	367,733
New Jersey	331,624	342,090	349,484	376,247	39,209	42,830	43,337	41,171
Pennsylvania	891,120	941,819	806,494	905,715	111,207	122,361	104,135	104,001
East North Central	2,485,901	2,420,711	2,268,164	2,645,749	306,991	310,224	290,040	298,331
Ohio	564,543	530,119	505,740	539,966	69,182	66,541	63,487	64,775
Indiana	135,335	129,344	115,760	122,603	15,736	15,748	13,965	12,902
Illinois	851,333	901,782	836,588	1,012,940	105,692	116,559	107,409	115,222
Michigan	762,997	672,422	624,658	735,671	96,056	88,183	81,971	85,310
Wisconsin	171,193	187,044	185,418	184,569	20,325	23,193	23,118	20,122
West North Central	613,465	623,441	547,185	628,595	73,180	77,507	67,236	67,346
Minnesota	131,886	130,212	117,224	155,637	15,797	16,155	14,227	17,091
Iowa	56,259	56,751	53,292	65,510	6,302	6,586	6,154	6,604
Missouri	272,484	267,510	239,671	256,781	33,347	33,948	30,281	27,953
North Dakota	7,972	6,574	5,412	5,688	547	422	300	321
South Dakota	5,257	3,437	5,230	6,229	426	257	387	395
Nebraska	30,391	27,498	26,750	30,623	3,318	3,122	2,918	2,853
Kansas	109,216	131,459	99,606	108,127	13,443	17,017	12,807	12,099
South Atlantic	791,879	741,726	699,650	778,806	95,526	93,018	87,302	86,416
Delaware	60,931	82,896	116,890	189,783	7,665	10,815	15,548	22,067
Maryland	103,665	118,166	104,113	156,352	12,753	14,934	13,189	17,573
Dist. of Columbia	64,493	66,987	55,838	55,808	8,119	8,671	7,225	6,423
Virginia	112,238	135,859	123,648	118,505	13,406	17,284	15,770	13,166
West Virginia	64,525	76,152	57,024	51,923	7,533	9,415	6,996	5,445
North Carolina	106,623	102,879	114,607	96,562	12,822	13,017	14,147	10,770
South Carolina	20,003	15,325	24,791	17,816	1,912	1,693	2,694	1,804
Georgia	67,081	61,824	70,521	64,903	7,700	7,564	8,320	6,892
Florida	102,320	82,638	32,218	27,064	23,516	9,625	3,413	2,276
East South Central	203,744	197,958	181,516	184,999	23,854	24,085	21,712	19,332
Kentucky	78,149	77,203	72,270	75,154	9,418	9,612	8,893	8,172
Tennessee	66,906	66,927	61,403	65,893	7,703	8,177	7,405	7,039
Alabama	42,930	40,662	35,667	31,252	4,979	4,861	4,172	3,055
Mississippi	15,759	13,166	12,176	12,700	1,664	1,435	1,242	1,066
West South Central	367,703	364,919	272,067	330,498	42,671	44,867	31,983	34,280
Arkansas	22,900	18,597	16,260	17,064	2,515	2,123	1,811	1,572
Louisiana	64,233	62,497	56,861	60,221	7,269	7,554	6,753	6,122
Oklahoma	73,912	84,301	56,508	79,233	8,025	10,327	6,368	8,125
Texas	206,658	199,524	142,338	173,980	24,862	24,863	17,051	18,441
Mountain	123,982	123,717	104,987	128,716	13,904	14,607	11,809	12,441
Montana	11,841	13,937	13,312	14,643	1,196	1,519	1,361	1,249
Idaho	9,014	7,707	5,930	6,645	975	837	587	535
Wyoming	8,188	5,233	4,920	5,737	884	534	492	457
Colorado	60,448	62,872	47,759	59,932	7,077	7,812	5,647	6,109
New Mexico	3,173	3,708	3,998	4,621	311	395	418	415
Arizona	7,679	8,813	7,780	9,811	814	1,011	865	936
Utah	21,207	18,566	17,179	20,303	2,432	2,183	1,952	2,004
Nevada	2,342	2,881	4,109	6,964	215	316	487	736
Pacific	510,317	517,006	534,145	657,065	60,810	64,600	60,246	72,194
Washington	63,839	63,300	62,700	75,391	7,122	7,286	7,222	7,419
Oregon	28,652	26,867	23,695	29,385	3,154	2,995	2,494	2,737
California	417,826	426,839	447,750	552,289	50,534	54,319	56,530	62,038
Alaska	572	674	678	642	60	66	63	46
Hawaii	22,148	25,849	28,349	33,456	2,794	3,396	3,715	3,884

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

No. 192.—CORPORATION INCOME TAX RETURNS: ANALYSIS

NOTE.—All money figures in thousands of dollars. Corporations

Division and State or Territory	Total number of corporations	Corporations reporting net income					
		Number reporting net income	Per cent of total number of corporations	Gross income	Expenses and deductions	Net income	Prior year loss deduction
1919	320,108	209,634	65.47	88,261,006	78,849,588	9,411,418	
1920	345,595	203,233	58.81	93,824,225	85,921,570	7,902,655	
1921	356,397	171,239	48.05	60,051,123	55,715,075	4,336,048	
1922	382,883	212,535	55.51	80,331,080	73,367,809	6,963,811	501,780
1923	398,033	233,339	58.49	97,457,479	89,135,950	8,321,529	578,307
1924	417,421	236,389	56.63	97,158,006	89,572,344	7,586,052	219,727
1925	430,072	252,334	58.67	113,692,083	104,108,400	9,583,684	243,079
1926	455,320	258,134	56.69	118,022,117	108,348,714	9,673,403	235,852
1927	475,031	269,840	54.70	111,324,330	106,342,455	8,981,884	244,293
1928	495,392	268,783	54.20	129,289,435	118,671,694	10,617,741	301,146
New England	34,905	19,779	56.67	10,695,445	9,997,109	698,336	23,206
Maine	3,644	2,092	57.41	494,436	459,521	34,915	782
New Hampshire	1,322	767	58.02	153,633	142,235	11,398	275
Vermont	1,112	724	65.11	156,048	145,734	10,314	420
Massachusetts	18,851	10,266	54.46	7,274,258	6,861,752	412,506	12,103
Rhode Island	2,871	1,628	56.71	691,950	640,218	51,732	2,479
Connecticut	7,105	4,302	60.55	1,925,120	1,747,649	177,471	7,133
Middle Atlantic	149,439	79,688	53.32	48,754,624	44,223,745	4,530,879	116,873
New York	103,372	55,008	53.22	34,037,638	31,088,721	3,248,917	87,325
New Jersey	20,509	11,310	55.15	3,607,869	3,231,622	376,247	12,362
Pennsylvania	25,558	13,370	52.31	10,209,117	9,303,402	905,715	17,186
East North Central	97,182	56,331	57.96	34,223,965	31,578,215	2,645,750	67,100
Ohio	24,722	14,344	58.02	7,557,708	6,967,801	589,907	23,193
Indiana	11,703	6,836	58.41	1,635,492	1,512,889	122,603	4,065
Illinois	30,444	17,668	58.04	15,084,946	14,072,006	1,012,940	23,946
Michigan	14,920	8,655	58.01	6,998,639	6,262,968	735,671	12,176
Wisconsin	15,393	8,828	57.35	2,347,120	2,162,551	184,569	3,715
West North Central	53,242	30,114	56.56	9,398,392	6,769,798	628,594	20,625
Minnesota	11,302	6,229	55.11	2,544,669	2,389,032	155,637	3,481
Iowa	8,643	4,981	57.63	1,098,127	1,032,618	65,509	3,833
Missouri	16,751	9,137	54.55	3,724,876	3,468,095	256,781	9,565
North Dakota	3,528	1,737	49.23	160,051	154,963	5,088	410
South Dakota	2,954	1,712	57.96	154,811	148,582	6,229	364
Nebraska	4,836	3,060	63.27	653,414	622,791	30,623	1,114
Kansas	5,228	3,258	62.32	1,061,844	953,717	108,127	1,858
South Atlantic	49,214	23,811	48.38	8,699,056	7,920,249	778,807	19,683
Delaware	1,705	984	57.71	1,330,828	1,141,045	189,783	4,098
Maryland	5,970	3,144	52.66	2,348,095	2,192,343	156,352	3,063
District of Columbia	2,220	1,126	50.72	555,365	499,467	55,898	739
Virginia	6,785	3,835	56.52	1,024,068	906,164	118,504	2,547
West Virginia	5,145	2,773	53.90	656,952	605,029	51,923	1,942
North Carolina	6,069	3,462	51.91	1,225,830	1,129,267	96,563	1,354
South Carolina	3,817	1,710	44.80	328,582	310,766	17,816	652
Georgia	5,620	3,409	60.66	875,584	810,681	64,903	1,864
Florida	11,283	3,368	29.85	352,552	325,487	27,065	3,424
East South Central	18,195	10,597	58.24	2,676,401	2,491,402	184,999	6,266
Kentucky	5,894	3,457	58.65	955,937	880,783	75,154	1,450
Tennessee	5,213	3,039	58.30	962,458	896,565	65,893	2,425
Alabama	4,656	2,619	56.25	500,374	469,122	31,252	1,248
Mississippi	2,432	1,482	60.94	257,632	244,932	12,700	1,143
West South Central	29,526	16,882	57.18	4,777,486	4,446,988	330,498	16,932
Arkansas	2,760	1,707	61.85	308,073	291,009	17,064	1,106
Louisiana	6,072	3,370	55.50	1,040,909	980,088	60,221	4,091
Oklahoma	6,456	3,512	54.40	975,497	896,264	79,233	5,787
Texas	14,238	8,293	58.25	2,452,987	2,279,007	173,980	5,948
Mountain	22,006	10,589	48.12	1,988,299	1,859,583	128,716	7,301
Montana	3,708	1,933	52.13	213,196	198,553	14,643	959
Idaho	2,352	1,061	45.11	126,777	120,132	6,645	460
Wyoming	1,441	881	61.14	69,951	64,214	5,737	311
Colorado	7,134	3,342	46.85	941,131	881,199	59,932	3,676
New Mexico	1,103	541	49.05	70,297	65,676	4,621	175
Arizona	1,734	766	44.17	126,210	116,399	9,811	458
Utah	3,503	1,712	48.80	290,146	269,783	20,363	1,051
Nevada	1,026	353	34.40	150,591	143,627	6,964	211
Pacific	41,274	20,443	49.53	7,861,971	7,204,906	657,065	22,732
Washington	11,847	5,874	49.58	1,239,108	1,163,717	75,391	4,110
Oregon	6,673	3,131	46.92	512,332	482,947	29,385	1,653
California	22,754	11,438	50.27	6,110,531	5,558,242	552,289	16,969
Alaska	175	94	53.72	7,459	6,818	641	78
Hawaii	734	455	61.99	206,357	172,901	33,456	350

[1] No income data reported. [2] Includes war and excess-profits tax; for amount, see Table 186.

FOR UNITED STATES, 1919 TO 1928, AND BY STATES, 1928
reporting no net income include inactive corporations prior to 1927

Corporations reporting net income—Continued		Corporations reporting no net income					Inactive corporations [1]		Division and State or Territory
Income tax	Per cent of total tax	Number reporting no net income	Per cent of total number of corporations	Gross income	Expenses and deductions	Deficit	Number	Per cent	
[2] 2, 175, 342	----------	110, 564	34. 54	11, 657, 743	12, 653, 289	995, 546	----------	----------	1919.
[2] 1, 625, 235	----------	142, 362	41. 19	24, 381, 338	26, 410, 762	2, 029, 424	----------	----------	1920.
[2] 701, 575	----------	185, 158	51. 95	31, 198, 150	35, 076, 369	3, 878, 219	----------	----------	1921.
[2] 783, 776	----------	170, 348	44. 49	20, 588, 835	22, 782, 611	2, 193, 776	----------	----------	1922.
937, 107	----------	165, 594	41. 51	21, 106, 184	23, 119, 739	2, 013, 555	----------	----------	1923.
881, 550	----------	181, 032	43. 37	22, 070, 497	24, 294, 423	2, 223, 926	----------	----------	1924.
1, 170, 331	----------	177, 738	41. 33	20, 568, 068	22, 530, 696	1, 962, 628	----------	----------	1925.
1, 229, 797	----------	197, 186	43. 31	24, 107, 735	26, 276, 445	2, 168, 710	----------	----------	1926.
1, 130, 674	100. 00	165. 826	34, 91	29, 074, 012	31, 545, 751	2, 471, 739	49, 356	10. 39	1927.
1, 184, 142	100. 00	174, 828	35. 26	27, 965, 473	30, 356, 597	2, 391, 124	52, 281	10. 54	1928.
76, 987	6. 50	12, 768	36. 58	2, 650, 089	2, 865, 084	214, 994	2, 358	6. 75	N. E.
3, 703	. 31	1, 133	31. 09	124, 662	133, 636	8, 974	419	12. 72	Me.
1, 168	. 10	466	35. 25	80, 241	91, 345	11, 104	89	6. 73	N. H.
1, 038	. 09	342	30. 76	42, 212	46, 810	4, 598	46	4. 13	Vt.
45, 923	3. 88	7, 501	39. 79	1, 849, 501	1, 996, 516	147, 014	1, 084	5. 75	Mass.
5, 585	. 47	1, 000	34. 83	187, 610	202, 717	15, 107	243	8. 46	R. I.
19, 570	1. 65	2, 326	32. 74	365, 863	394, 060	28, 197	477	6. 71	Conn.
512, 904	43. 31	57, 332	38. 37	9, 049, 986	9, 890, 589	840, 600	12, 419	8. 31	Mid. Atl.
367, 733	31. 05	40, 062	38. 75	6, 116, 344	6, 689, 997	573, 652	8, 302	8. 03	N. Y.
41, 171	3. 48	7, 605	37. 08	782, 487	868, 123	85, 635	1, 594	7. 77	N. J.
104, 000	8. 78	9, 665	37. 82	2, 151, 155	2, 332, 469	181, 313	2, 523	9. 87	Penn.
298, 332	25. 19	32, 394	33. 34	5, 247, 616	5, 791, 632	544, 012	8, 457	8. 70	E. N. C.
64, 776	5. 47	8, 042	36. 17	1, 330, 515	1, 453, 346	123, 830	1, 436	5. 81	Ohio.
12, 902	1. 09	3, 561	30. 43	469, 319	504, 303	34, 983	1, 306	11. 16	Ind.
115, 222	9. 73	10, 370	34. 06	4, 704, 848	4, 884, 616	179, 767	2, 406	7. 90	Ill.
85, 310	7. 20	4, 840	32. 44	1, 325, 146	1, 484, 624	159, 477	1, 425	9. 55	Mich.
20, 122	1. 70	4, 081	30. 41	408, 788	454, 743	45, 955	1, 884	12. 24	Wis.
67, 346	5. 69	16, 193	30. 41	1, 811, 618	1, 945, 343	133, 722	6, 935	13. 03	W. N. C.
17, 091	1. 44	3, 544	31. 36	418, 989	447, 216	28, 226	1, 529	13. 53	Minn.
6, 604	. 56	2, 507	29. 01	219, 656	238, 206	18, 550	1, 155	13. 36	Iowa.
27, 953	2. 36	5, 711	34. 09	766, 051	826, 624	60, 573	1, 903	11. 36	Mo.
321	. 03	972	27. 55	44, 524	47, 745	3, 220	819	23. 22	N. D.
394	. 04	677	22. 92	30, 632	32, 970	2, 337	565	19. 12	S. D.
2, 883	. 24	1, 251	25. 87	153, 126	163, 482	10, 356	525	10. 86	Nebr.
12, 100	1. 02	1, 531	29. 28	178, 640	189, 100	10, 460	439	8. 40	Kans.
86, 416	7. 30	19, 082	38. 77	1, 824, 021	2, 034, 005	209, 983	6, 321	12. 85	S. Atl.
22, 067	1. 87	471	27. 63	105, 179	114, 620	9, 441	250	14. 66	Del.
17, 573	1. 49	2, 067	34. 62	236, 587	262, 412	25, 825	759	12. 72	Md.
6, 423	. 54	822	37. 03	102, 795	114, 322	11, 527	272	12. 25	D. C.
13, 166	1. 11	2, 337	34. 45	245, 296	264, 087	18, 790	613	9. 03	Va.
5, 445	. 46	1, 910	37. 12	170, 774	190, 738	19, 964	462	8. 98	W. Va.
10, 770	. 91	2, 667	39. 99	281, 057	281, 841	20, 784	540	8. 10	N. C.
1, 804	. 15	1, 709	44. 77	156, 705	166, 073	9, 368	398	10. 43	S. C.
6, 892	. 58	1, 922	34. 20	257, 331	275, 831	18, 500	289	5. 14	Ga.
2, 276	. 19	5, 177	45. 88	288, 297	364, 081	75, 784	2, 738	24. 27	Fla.
19, 332	1. 63	5, 918	32. 53	782, 503	833, 869	51, 366	1, 980	9. 23	E. S. C.
8, 172	. 69	1, 783	30. 25	172, 661	188, 659	15, 998	654	11. 10	Ky.
7, 039	. 59	1, 747	38. 51	368, 428	386, 497	18, 069	427	8. 19	Tenn.
3, 055	. 26	1, 608	34. 54	161, 097	171, 616	10, 519	429	9. 21	Ala.
1, 066	. 09	780	32. 07	80, 317	87, 097	6, 780	170	6. 99	Miss.
34, 261	2. 90	9, 959	33. 73	1, 483, 225	1, 625, 201	141, 976	2, 685	9. 09	W. S. C.
1, 573	. 13	889	32. 21	107, 435	116, 884	9, 449	164	5. 94	Ark.
6, 122	. 52	2, 132	35. 11	295, 881	323, 266	27, 385	570	9. 39	La.
8, 125	. 69	2, 177	32. 72	293, 740	330, 030	36, 290	767	11. 88	Okla.
18, 441	1. 56	4, 761	33. 44	786, 169	855, 021	68, 852	1, 154	8. 31	Tex.
12, 441	1. 05	6, 115	27. 79	414, 186	470, 775	56, 600	5, 302	24. 09	Mt.
1, 249	. 11	960	25. 89	46, 558	52, 041	5, 483	815	21. 98	Mont.
535	. 05	553	23. 51	50, 413	57, 252	6, 839	738	31. 38	Idaho.
457	. 04	304	25. 26	16, 529	19, 206	2, 678	196	13. 60	Wyo.
6, 109	. 52	2, 313	32. 42	147, 988	165, 091	17, 103	1, 479	20. 73	Colo.
415	. 04	282	26. 57	17, 357	19, 678	2, 221	280	25. 38	N. Mex.
936	. 07	430	24. 80	45, 435	54, 348	8, 923	538	5. 94	Ariz.
2, 004	. 16	932	26. 57	79, 898	88, 649	8, 751	864	24. 63	Utah.
736	. 06	281	27. 39	10, 008	14, 010	4, 002	392	38. 21	Nev.
72, 194	6. 10	14, 778	35. 80	1, 658, 567	1, 854, 334	195, 768	6, 053	14. 67	Pac.
7, 419	. 63	3, 799	32. 07	288, 353	319, 358	31, 005	2, 174	18. 35	Wash.
2, 737	. 23	2, 232	38. 45	204, 219	223, 122	18, 904	1, 310	19. 63	Oreg.
62, 038	5. 24	8, 747	33. 44	1, 165, 995	1, 311, 854	145, 859	2, 569	11. 29	Calif.
46	. 33	51	29. 14	2, 188	2, 595	407	30	17. 14	Alaska.
3, 883	----------	238	32. 43	41, 474	43, 170	1, 696	41	5. 58	Hawaii.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

No. 193.—CORPORATION INCOME TAX RETURNS: NUMBER, NET INCOME, AND TAX, BY INDUSTRIAL GROUPS

NOTE.—All money figures in thousands of dollars. Tax includes war and excess profits tax prior to 1923

Year	Corporations reporting net income			Corporations reporting no net income[1]		Corporations reporting net income			Corporations reporting no net income[1]	
	Number	Net income	Tax	Number	Deficit	Number	Net income	Tax	Number	Deficit
	Agriculture and related industries					Mining and quarrying				
1920	3,874	71,480	17,170	5,312	66,140	6,933	702,074	174,596	10,601	176,505
1921	3,146	40,718	6,002	5,578	88,553	4,365	185,134	31,969	13,295	414,489
1922	4,000	62,901	6,622	5,092	56,091	6,130	286,437	31,400	10,963	280,456
1923	3,914	92,201	9,791	5,446	49,930	5,175	283,566	30,777	13,334	334,254
1924	4,530	64,230	6,733	5,228	62,498	4,893	240,142	28,389	13,500	307,091
1925	4,662	76,862	8,604	5,242	59,215	5,488	453,600	55,049	13,675	209,957
1926	4,698	70,812	8,175	5,990	55,665	5,005	455,798	57,308	13,246	183,474
1927	4,445	78,577	9,053	4,460	61,894	5,232	276,309	34,898	7,804	246,924
1928	4,504	80,476	8,217	4,679	50,092	5,183	332,679	36,751	7,750	207,416
	Manufacturing									
	Total[2]					Food products, beverages, and tobacco				
1920	49,425	4,116,424	944,960	28,746	834,149	7,551	404,847	90,538	6,167	183,895
1921	37,030	1,777,786	351,770	42,718	1,898,831	7,207	319,176	65,676	6,570	309,162
1922	48,697	3,454,420	389,776	33,788	813,413	8,359	447,671	50,667	5,723	150,306
1923	53,795	4,271,899	434,864	31,404	701,012	8,666	506,924	55,046	5,487	124,176
1924	51,342	3,595,675	429,653	35,461	832,203	9,080	536,852	63,376	5,362	95,715
1925	54,137	4,383,357	546,741	34,537	682,255	9,303	533,472	66,587	5,419	91,512
1926	55,094	4,494,790	584,507	38,150	786,687	9,239	592,440	77,147	6,266	95,309
1927	53,620	3,938,647	507,735	36,196	851,053	9,232	585,820	75,794	5,630	108,191
1928	55,007	4,744,261	544,036	36,566	833,735	9,082	639,770	72,939	5,586	79,965
	Textiles and textile products					Leather and leather products				
1920	5,545	458,613	121,770	4,576	166,846	1,230	61,028	14,811	932	103,922
1921	5,312	327,356	67,216	5,560	180,439	981	57,065	11,815	1,203	105,909
1922	6,973	535,107	62,500	4,452	78,311	1,330	88,041	10,414	954	24,811
1923	7,678	563,412	65,435	4,093	71,845	1,321	72,388	8,248	982	36,126
1924	6,836	316,928	37,651	5,393	188,104	1,341	70,319	8,037	1,087	31,876
1925	7,504	413,115	48,814	4,767	114,772	1,373	76,023	9,169	986	28,895
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	21,703
1928	8,076	351,850	39,355	6,098	155,729	1,362	77,425	8,893	1,015	28,038
	Rubber and rubber goods					Lumber and wood products				
1920	279	26,678	3,748	392	31,575	5,300	321,270	78,960	1,965	27,169
1921	196	5,102	815	445	101,562	2,984	70,511	11,247	3,749	120,220
1922	284	41,930	2,286	309	24,563	4,545	207,996	22,699	2,366	48,282
1923	273	45,924	2,840	334	21,563	5,250	299,050	33,457	2,132	32,587
1924	325	56,900	5,662	313	15,345	4,750	178,869	21,090	2,913	57,754
1925	349	122,966	15,412	289	13,942	4,657	200,316	24,667	2,976	53,116
1926	339	37,501	4,867	341	24,764	4,591	172,972	21,907	3,271	69,196
1927	335	70,253	8,849	284	19,356	4,178	125,408	15,612	3,353	94,205
1928	349	44,645	5,149	331	45,987	4,290	142,197	15,210	3,367	71,493
	Paper, pulp, and products					Printing and publishing				
1920	1,349	241,616	72,302	344	4,035	6,393	163,160	42,250	1,695	13,709
1921	730	44,882	7,584	946	49,179	5,386	124,157	27,183	3,046	26,680
1922	1,086	84,025	9,481	683	22,409	5,771	184,716	21,745	2,939	23,020
1923	1,240	109,909	12,233	575	14,932	6,183	165,947	19,429	3,040	23,627
1924	1,204	92,674	10,675	682	18,361	6,278	175,972	20,802	3,340	28,455
1925	1,288	111,186	14,004	652	12,137	6,523	190,909	23,375	3,397	29,505
1926	1,365	120,460	15,610	659	14,362	6,931	203,507	25,857	3,614	31,006
1927	1,386	123,988	16,064	642	13,614	6,734	198,476	25,123	3,629	34,788
1928	1,345	118,589	13,768	678	14,959	7,070	243,650	27,310	3,703	34,104
	Chemicals and allied substances					Stone, clay, and glass products				
1920	3,047	441,370	98,163	2,779	96,440	2,661	151,173	37,360	1,001	8,287
1921	2,502	153,217	29,598	3,422	132,881	1,998	69,756	12,032	1,683	26,260
1922	3,512	461,221	54,056	2,605	66,158	2,459	125,692	14,938	1,431	16,586
1923	3,472	419,584	49,426	2,845	94,158	2,880	187,844	22,113	1,321	14,374
1924	3,640	466,184	56,650	2,961	76,309	2,735	102,403	19,152	1,621	17,944
1925	3,961	623,278	78,393	3,011	82,352	2,753	181,547	22,853	1,701	17,846
1926	4,076	785,155	102,964	3,210	69,279	2,762	195,166	25,542	1,844	22,112
1927	3,900	495,857	64,767	2,892	110,369	2,587	157,263	20,564	1,876	28,356
1928	4,231	848,127	99,002	2,820	59,789	2,676	172,007	19,770	1,933	32,518

[1] Includes inactive concerns prior to 1927; for number of in active concerns in 1927 and 1928 see Table 190.
[2] Includes all other manufacturing not shown separately.

No. 193.—Corporation Income Tax Returns: Number, Net Income, and Tax, by Industrial Groups—Continued

Year	Corporations reporting net income			Corporations reporting no net income		Corporations reporting net income			Corporations reporting no net income	
	Number	Net income	Tax	Number	Deficit	Number	Net income	Tax	Number	Deficit
	Manufacturing—Continued					Construction				
	Metals and metal products									
1920	10,135	1,411,647	293,858	4,996	136,757	7,010	113,552	33,179	2,950	28,309
1921	5,468	437,367	90,308	10,068	666,002	6,041	67,335	13,595	4,320	51,507
1922	8,307	906,956	98,760	7,477	272,040	6,997	91,724	9,653	4,373	52,529
1923	10,168	1,427,496	160,771	6,072	178,081	8,151	112,004	11,430	4,400	42,809
1924	11,227	1,340,597	162,979	8,943	244,779	8,701	132,704	13,912	4,475	42,011
1925	12,760	1,756,753	221,973	8,769	201,445	9,701	156,491	17,581	5,637	43,346
1926	11,989	1,803,444	237,077	8,065	192,574	10,075	162,569	19,146	6,695	53,621
1927	11,412	1,501,274	198,066	8,227	241,305	10,071	171,160	20,073	6,281	59,417
1928	12,252	1,910,003	221,838	7,479	254,975	10,179	170,906	17,175	7,117	71,369
	Transportation and other public utilities					Trade				
1920	12,922	829,131	98,623	7,677	150,505	52,278	911,173	192,613	26,607	339,482
1921	11,831	821,871	101,022	7,274	323,369	42,809	571,945	96,742	45,370	626,828
1922	13,690	979,264	119,481	6,821	196,480	59,791	1,014,013	107,041	35,892	313,093
1923	14,269	1,257,410	150,999	6,844	125,650	68,186	1,197,926	128,536	32,460	264,797
1924	14,565	1,232,012	148,278	7,866	137,753	68,112	1,098,586	120,649	37,211	296,517
1925	14,862	1,468,693	180,314	8,751	134,744	71,910	1,254,046	145,350	37,678	287,506
1926	15,444	1,723,399	228,662	9,656	120,174	71,403	1,165,558	140,522	41,302	330,998
1927	13,855	1,588,880	210,878	6,982	197,472	74,747	1,156,870	137,362	44,931	362,339
1928	13,882	1,813,088	211,082	7,422	173,170	79,745	1,246,802	126,332	46,602	355,514
	Public service					Finance—Banking, insurance, etc.				
1920	11,914	145,491	31,547	5,576	29,199	55,484	933,304	119,002	23,418	293,936
1921	10,694	104,873	19,269	8,409	45,939	54,122	739,297	76,271	28,736	363,166
1922	13,494	148,367	16,262	9,651	59,615	58,646	887,335	99,098	32,459	397,661
1923	15,482	188,368	20,377	9,632	59,141	62,554	868,083	95,114	34,118	410,813
1924	15,495	202,165	22,131	10,825	66,650	67,089	995,124	109,444	37,672	400,597
1925	16,571	246,426	28,467	12,410	72,226	73,246	1,523,823	179,948	42,701	456,219
1926	17,755	260,981	31,040	14,502	103,772	76,819	1,336,893	160,215	53,614	528,032
1927	18,287	244,464	28,626	12,869	117,065	78,100	1,522,834	181,706	44,582	566,177
1928	19,008	254,186	25,502	14,518	126,709	80,315	1,971,343	213,238	48,824	566,199

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

No. 194.—CORPORATION INCOME TAX RETURNS: Number, Income, and Tax, by Industrial Groups and Industries, 1928

Note.—All money figures in thousands of dollars. For totals for all corporations see Table 192; for inactive corporations for major groups, see Table 190. Group totals include industries not shown separately

Industry	Corporations reporting net income				Corporations reporting no net income		
	Number	Gross income	Net income	Income tax	Number	Gross income	Deficit
Agriculture and related industries	4,504	636,640	80,476	8,216	4,679	188,503	50,092
Mining and quarrying	5,183	2,501,468	332,679	36,751	7,750	1,087,745	207,416
Metal mining	318	846,884	122,742	13,816	814	139,028	28,364
Coal:							
Anthracite	53	183,962	14,415	1,678	73	186,615	9,164
Bituminous, lignite, peat, etc	803	517,597	33,477	3,422	1,842	431,742	57,985
Oil and gas	1,686	543,541	85,545	9,318	2,399	218,847	82,063
Manufacturing	55,007	57,458,959	4,744,261	544,937	36,566	9,813,970	883,735
Food products, beverages, and tobacco	9,082	12,732,302	639,770	72,939	5,886	1,516,526	79,965
Bakery and confectionery products	1,948	1,314,706	114,991	13,207	1,285	244,124	15,023
Canned products—fish, fruits, vegetables, poultry, etc	1,009	755,216	65,204	7,338	677	117,242	9,607
Mill products—bran, flour, feed, etc	739	1,193,100	39,603	4,475	552	265,554	6,266
Packing-house products—fresh meats, ham, lard, bacon, meat, canning, etc	455	4,967,477	50,243	5,376	243	335,878	6,145
Sugar—beet, cane, maple, and products	99	664,522	53,606	6,023	74	130,778	13,964
Soft drinks—wine, cereal beverages, mineral waters, etc	1,155	359,419	58,066	6,523	983	86,999	11,323
Tobacco, cigarettes, cigars, snuff, etc	238	1,180,870	121,678	14,548	181	19,122	2,147

No. 194.—Corporation Income Tax Returns: Number, Income, and Tax, by Industrial Groups and Industries, 1928—Continued

[All money figures in thousands of dollars]

Industry	Corporations reporting net income				Corporations reporting no net income		
	Number	Gross income	Net income	Income tax	Number	Gross income	Deficit
Manufacturing—Continued.							
Textiles and textile products	6,976	5,702,986	351,850	39,355	6,098	2,134,380	155,728
Cotton goods—dress goods, plain cloth, etc., napping and dyeing	483	912,355	49,248	5,558	501	455,005	38,666
Woolen and worsted goods—wool yarn, wool carpets, wool pulling, etc	291	395,375	18,720	2,043	295	297,876	19,799
Silk and rayon goods	460	627,580	74,200	8,619	360	264,441	14,742
Carpets, floor coverings, tapestries, etc	91	138,842	13,775	1,613	68	29,794	4,930
Clothing—custom-made, factory-made, coats, underwear, etc	4,086	1,854,810	73,237	7,840	2,909	582,600	34,666
Knit goods—sweaters, hosiery, etc	719	635,160	46,195	5,213	425	128,028	12,742
Leather and leather products	1,362	1,335,306	77,425	8,892	1,015	396,514	28,038
Boots, shoes, slippers, etc	695	840,556	55,355	6,454	534	240,264	16,628
Gloves, saddlery, harness, trunks, finishing and tanning leather, etc	667	478,750	22,070	2,438	481	156,250	11,410
Rubber and rubber products	349	932,047	44,945	5,150	331	454,122	45,987
Auto tires, tubes, etc	48	727,846	25,728	2,997	106	424,835	42,579
Rubber boots, shoes, hose, etc	221	171,672	16,202	1,859	159	21,380	2,812
Bone, celluloid, and ivory products	80	32,529	2,625	294	66	7,907	596
Lumber and wood products	4,290	2,052,903	142,197	15,210	3,367	789,282	71,492
Sawmill and planing-mill products	1,934	1,014,746	70,798	7,483	1,597	464,710	45,817
Carriages, wagons, furniture, etc	2,356	1,038,157	71,399	7,727	1,770	324,572	25,675
Paper, pulp, and products	1,345	1,374,722	118,580	13,768	678	352,796	14,950
Printing and publishing	7,070	2,329,670	243,650	27,310	3,703	350,275	34,104
Chemicals and allied substances	4,231	8,772,465	848,126	99,001	2,320	778,525	59,789
Petroleum, and mineral oil refining	347	5,264,922	442,229	51,652	226	376,936	24,355
Chemicals proper	250	791,703	102,714	12,272	180	32,108	3,487
Allied chemical substances—drugs, oils, paints, soaps, etc	3,428	2,518,654	290,818	33,902	2,326	357,024	30,009
Fertilizers	206	197,096	12,365	1,085	88	12,457	1,938
Stone, clay, glass and related products	2,676	1,394,910	172,007	19,770	1,933	259,941	32,518
Metal products and processes	12,252	18,847,896	1,910,003	221,338	7,479	2,326,047	254,975
Iron and steel blast furnaces, rolling mills, foundries, etc	1,895	4,913,248	363,319	42,368	831	319,225	24,814
Locomotives and railroad equipment	101	208,512	25,362	2,973	72	93,190	12,222
Motor vehicles, complete or parts	560	4,598,927	452,856	53,046	481	840,902	98,655
Factory machinery	843	628,013	78,670	9,197	499	103,988	13,427
Agricultural machinery and equipment	254	651,520	104,091	12,408	191	30,659	6,520
Electrical machinery and equipment	721	1,299,890	160,122	18,730	447	73,113	10,538
Building and construction, gas and mining machinery and equipment	1,721	1,299,417	148,380	17,133	1,100	251,356	22,431
Household equipment, etc	552	475,120	70,323	8,294	485	105,949	15,002
Office equipment, etc	217	452,613	57,895	6,359	124	12,328	2,894
Metal building material and equipment	897	762,242	74,783	8,636	733	148,411	15,660
Hardware, tools, etc	1,482	1,074,435	161,970	18,554	784	139,944	12,786
Precious metal products and processes, jewelry, etc	547	353,957	27,294	2,936	325	46,871	4,210
Radios, complete or parts	161	179,993	23,188	2,678	177	41,077	7,123
Airplanes, seaplanes, etc	43	55,749	13,411	1,573	102	7,104	2,498
Construction	10,179	2,317,186	170,906	17,175	7,117	661,089	71,389
Building and construction above ground, installing machinery, wrecking, etc	6,984	1,138,033	69,298	6,455	5,026	375,245	32,728
Other construction underground and on surface—bridge building, water-front construction, etc	3,052	1,110,825	96,556	10,180	1,977	235,594	32,379
Ship building and repairing	143	68,328	5,052	540	114	50,250	6,262
Transportation and other public utilities	13,882	14,263,775	1,813,087	211,681	7,422	1,538,135	173,170
Steam railroads	313	6,867,866	714,919	84,585	248	383,141	38,584
Electric railways, Pullman cars, refrigerator; stock and fruit cars, and lessors	481	749,413	133,956	15,903	313	238,987	29,486
Water transportation and related branches	1,055	381,490	47,141	4,930	626	104,036	17,642
Aerial transportation	136	11,085	2,513	254	274	6,806	1,789
Auto bus lines, taxicabs, and sight seeing companies	1,063	147,522	11,577	1,127	884	69,554	6,447
Cartage and storage, food storage, packing and shipping, etc	4,863	761,327	54,477	5,357	2,573	157,565	17,206
Electric light and power companies	998	2,011,153	359,821	42,518	354	286,256	27,595
Gas companies, artificial and natural	313	422,708	66,649	7,912	191	60,124	7,887
Telephone and telegraph companies	2,876	1,865,984	272,065	32,247	1,057	18,429	3,322
Radio broadcasting companies	69	114,302	22,667	2,654	61	3,993	736
Water companies	1,068	75,893	18,054	1,884	408	6,170	1,716

No. 194.—Corporation Income Tax Returns: Number, Income, and Tax, by Industrial Groups and Industries, 1928—Continued

[All money figures in thousands of dollars]

Industry	Corporations reporting net income				Corporations reporting no net income		
	Number	Gross income	Net income	Income tax	Number	Gross income	Deficit
Trade	**79,745**	**34,824,464**	**1,246,862**	**126,332**	**46,602**	**3,379,620**	**355,514**
Wholesale	14,990	12,679,795	334,131	34,659	7,290	3,087,392	96,556
Retail	44,737	14,804,989	634,538	63,876	28,243	3,395,912	172,007
Wholesale and retail	6,796	3,813,094	139,902	14,673	3,060	1,011,386	31,630
Commission	3,824	1,658,773	61,443	6,240	2,403	378,944	18,085
Service	**19,008**	**2,784,160**	**254,186**	**25,501**	**14,518**	**1,043,450**	**126,709**
Domestic service—laundries, hotels, restaurants, etc	6,390	1,131,976	75,112	7,317	5,318	542,740	58,350
Amusements	3,547	761,302	77,877	8,008	3,419	263,201	38,742
Theaters, legitimate, vaudeville, etc	433	137,014	9,595	1,022	503	67,742	11,443
Motion-picture producers	106	219,254	19,246	1,938	100	11,012	2,136
Motion-picture theaters	1,219	293,079	34,009	3,627	948	114,763	12,364
Other amusements—circuses, golf links, race tracks, etc	1,789	112,015	15,027	1,420	1,868	69,684	12,799
Professional service—curative, educational, legal, etc	3,444	260,255	34,933	3,441	2,421	75,725	12,558
Business service—detective bureaus, trade shows, mimeographing, electrical advertising, etc	2,909	495,913	48,579	5,161	1,804	110,919	9,803
Finance	**80,315**	**14,476,370**	**1,971,343**	**213,235**	**48,324**	**5,231,322**	**566,199**
National banks	5,606	3,160,301	191,794	21,415	2,195	206,459	28,009
State and private banks, savings banks, loan and trust companies	13,428	1,797,340	313,125	34,191	4,298	252,257	39,997
Stock and bond brokers, investment bankers	1,936	3,667,495	255,603	29,618	792	500,317	22,666
Financing retail sales of automobiles, pianos, radios, etc	693	61,456	16,503	1,723	187	6,016	1,572
Realty development, holding, etc	44,133	2,169,121	572,331	57,159	35,194	943,597	315,085
Insurance companies	1,377	2,330,344	320,660	36,570	801	346,534	78,141
Life insurance companies	393	702,313	117,693	13,978	183	96,234	6,031
Other insurance companies	984	1,628,031	202,962	22,593	618	250,299	72,110

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

No. 195.—ASSETS AND LIABILITIES OF CORPORATIONS: As of December 31, or at Close of Fiscal Year Nearest Thereto

[All money figures in millions of dollars]

	Total[1]			Agriculture		Mining and quarrying		Manufacturing, total	
	1926	1927	1928	1927	1928	1927	1928	1927	1928
Number of corporations submitting balance sheets	369,449	379,156	443,611	7,195	7,130	11,298	10,366	84,776	84,925
Assets, total	**282,179**	**287,542**	**307,218**	**2,177**	**2,054**	**11,565**	**10,799**	**65,582**	**67,060**
Cash[2]	16,802	16,851	21,952	57	51	360	413	3,525	3,805
Notes and accounts receivable[3]	23,551	[4] 50,950	[4] 62,804	197	210	703	745	8,947	9,502
Inventory	20,939	21,005	20,752	217	189	681	515	11,884	12,112
Tax-exempt investments	8,694	9,781	10,116	31	41	262	264	2,035	2,182
Real estate, buildings, and equipment (less depreciation)	97,524	104,945	109,932	1,230	1,177	7,495	6,647	26,007	27,025
Miscellaneous[5]	94,669	84,001	81,662	445	386	2,064	2,215	13,184	12,444
Liabilities, total	**282,179**	**287,542**	**307,218**	**2,177**	**2,054**	**11,565**	**10,799**	**65,582**	**67,060**
Notes and accounts payable	24,042	24,126	27,437	388	399	918	854	7,350	7,449
Bonded debt and mortgages	31,801	34,740	42,943	178	160	912	975	4,806	5,446
Miscellaneous[6]	87,076	96,274	93,950	327	139	1,632	1,173	5,377	4,147
Capital stock	84,663	91,881	95,732	1,082	1,059	6,240	5,793	31,553	32,492
Preferred	17,146	17,800	18,476	176	138	585	487	7,359	7,563
Common	67,517	74,081	77,256	906	921	5,655	5,306	24,194	24,929
Surplus	*39,154*	*45,414*	*52,069*	*373*	*449*	*2,618*	*2,752*	*17,896*	*18,933*
Less deficit	*4,557*	*4,893*	*4,913*	*176*	*158*	*755*	*748*	*1,400*	*1,407*
Net surplus	34,597	40,521	47,156	202	297	1,863	2,004	16,496	17,526

For footnotes, see p. 202.

No. 195.—Assets and Liabilities of Corporations: As of December 31, or at Close of Fiscal Year Nearest Thereto—Continued

[All money figures in millions of dollars]

	Major manufacturing groups, 1928									
	Food, etc.	Textiles	Leather	Rubber	Lumber	Paper	Printing	Chemicals	Stone, etc.	Metals
Number of corporations submitting balance sheets	13,162	13,442	2,273	640	7,190	1,942	9,628	6,437	4,275	18,733
Assets, total	**8,924**	**6,747**	**1,219**	**1,433**	**3,749**	**2,116**	**2,655**	**13,078**	**2,421**	**22,233**
Cash [2]	508	380	68	86	139	91	157	661	125	1,529
Notes and accounts receivable [3]	1,140	1,114	280	207	613	228	448	1,188	271	3,525
Inventory	1,885	1,860	438	296	707	307	203	1,637	314	3,813
Tax-exempt investments	207	217	19	12	57	54	85	363	100	1,003
Real estate, buildings, and equipment (less depreciation)	3,366	2,434	264	469	1,805	1,112	837	5,654	1,325	9,075
Miscellaneous [4]	1,818	742	150	363	428	324	925	3,575	286	3,288
Liabilities, total	**8,924**	**6,747**	**1,219**	**1,433**	**3,749**	**2,116**	**2,655**	**13,078**	**2,421**	**22,233**
Notes and accounts payable	1,144	1,154	215	178	650	274	379	957	206	1,944
Bonded debt and mortgages	838	233	31	240	212	239	208	936	187	2,149
Miscellaneous [5]	625	449	64	138	232	123	292	927	130	984
Capital stock	4,451	3,381	671	710	1,570	939	1,004	6,702	1,277	10,579
Preferred	1,255	895	209	268	229	247	207	804	307	2,846
Common	3,196	2,486	462	442	1,341	692	797	5,898	970	7,733
Surplus	*2,057*	*1,738*	*276*	*209*	*1,222*	*562*	*789*	*3,737*	*663*	*6,921*
Less deficit	*190*	*253*	*38*	*42*	*137*	*21*	*77*	*171*	*51*	*344*
Net surplus	1,867	1,530	238	167	1,085	541	712	3,566	612	6,577

	Construction		Transportation and other public utilities		Trade		Public service		Finance, banking, insurance, etc.	
	1927	1928	1927	1928	1927	1928	1927	1928	1927	1928
Number of corporations submitting balance sheets	14,955	15,289	16,868	16,770	110,280	114,068	25,388	26,505	106,016	108,123
Assets, total	**2,739**	**2,690**	**66,559**	**71,380**	**20,083**	**21,481**	**5,618**	**5,857**	**112,917**	**125,692**
Cash [2]	191	197	1,540	1,571	1,198	1,293	240	249	9,721	14,278
Notes and accounts receivable [3]	742	816	2,116	3,628	5,615	6,297	459	547	32,131	41,029
Inventory	306	293	1,024	1,000	5,631	5,907	177	178	1,068	675
Tax-exempt investments	78	84	272	475	403	325	37	43	6,652	6,690
Real estate, buildings, and equipment (less depreciation)	743	756	46,487	48,887	4,309	4,910	3,340	3,522	15,251	16,969
Miscellaneous [4]	679	574	15,111	15,819	2,927	2,749	1,365	1,318	48,094	46,051
Liabilities, total	**2,739**	**2,690**	**66,559**	**71,380**	**20,083**	**21,481**	**5,618**	**5,857**	**112,917**	**125,692**
Notes and accounts payable	691	818	2,603	3,585	5,046	5,646	869	928	6,179	7,724
Bonded debt and mortgages	238	220	20,542	25,696	846	1,044	1,163	1,291	6,047	8,103
Miscellaneous [5]	646	402	10,524	6,522	1,501	1,180	662	555	75,572	79,815
Capital stock	738	808	25,296	25,741	8,858	9,252	2,188	2,386	15,725	18,056
Preferred	101	139	4,927	4,960	1,837	1,889	502	514	2,286	2,768
Common	637	669	20,369	20,781	7,021	7,363	1,686	1,872	13,439	15,288
Surplus	*519*	*557*	*8,256*	*10,463*	*4,428*	*4,977*	*962*	*946*	*10,317*	*12,950*
Less deficit	*93*	*115*	*662*	*627*	*596*	*618*	*226*	*249*	*923*	*956*
Net surplus	426	442	7,594	9,836	3,832	4,359	736	697	9,394	11,994

[1] Includes nominal concerns, nature of business not given, not shown separately.
[2] In till and deposits in banks.
[3] Less reserve for bad debts.
[4] Includes loans and discounts from bank statements which were included in miscellaneous assets in 1926.
[5] Includes the following items: Investments in affiliated companies; stocks and bonds other than tax-exempt obligations; loans, mortgages, etc., except loans and discounts reported by banks in 1927 and 1928 which are included in notes receivable; patents, good will, formulas, trade-marks, etc.
[6] Includes the following items: Reserves, accrued expenses; unadjusted credits; deposits (time, saving, demand, etc.) reported by banks, reserves, other funds, capital stock, and surplus for life-insurance companies.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

No. 196.—PERSONAL INCOME TAX RETURNS: ANALYSIS

NOTE.—See headnote, Table 186

[All money figures, except as indicated, in millions of dollars]

	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928
Total income	22,438	26,691	23,329	24,872	29,248	29,579	25,272	25,447	26,209	28,988
Wages and salaries	10,756	15,270	13,813	13,694	14,195	13,618	9,742	9,994	10,218	10,862
Business	3,878	3,206	2,366	2,840	4,723	4,755	3,689	3,573	3,287	3,244
Partnerships [1]	1,831	1,701	1,341	1,427	1,676	1,810	1,827	1,733	1,755	1,930
Profits from sales of real estate, stocks, bonds, etc	999	1,021	463	[2] 742	[2] 863	[2] 1,125	[2] 1,992	[2] 1,466	[2] 1,813	[2] 2,928
Rents and royalties	1,019	1,047	1,178	1,225	1,814	2,010	1,471	1,451	1,302	1,105
Interest and investment income	1,437	1,648	1,643	1,739	2,178	2,282	1,814	1,937	2,027	2,144
Fiduciary [1]	------	------	------	258	329	310	306	333	421	444
Items exempt from normal tax	2,517	2,797	2,524	2,948	3,469	3,670	4,431	4,962	[3] 5,383	[3] 6,272
Dividends	2,454	2,736	2,477	2,664	3,120	3,251	3,405	4,012	4,255	4,351
Interest on Gov't obligations	63	62	47	34	44	30	26	37	47	41
Capital net gain from sale of assets held over 2 years	------	------	------	249	305	389	940	913	[4] 1,081	[4] 1,880
General deductions, including contributions, etc	2,578	2,955	3,752	3,536	4,470	3,923	3,377	3,489	3,663	3,761
Net income	19,860	23,736	19,577	21,336	24,777	25,656	21,895	21,959	22,545	25,226
Net loss for prior year	------	------	------	45	34	30	32	27	37	34
Exemptions from normal tax	11,941	15,632	16,716	17,649	20,743	19,999	16,658	17,086	17,375	18,118
Personal exemption and credit for dependents	9,424	12,835	14,192	14,702	17,275	16,329	12,228	12,124	12,001	11,859
Above items exempt from normal tax	2,517	2,797	2,524	2,947	3,469	3,670	4,430	4,962	5,374	6,259
Less exemptions in excess of net income	*149*	*702*	*2,714*	*2,740*	*2,862*	*2,875*	*1,506*	*1,823*	*1,891*	*1,681*
Net exemptions	11,493	14,930	14,002	14,909	17,881	17,624	15,153	15,263	15,484	16,437
Net income subject to normal tax	8,367	8,806	5,575	6,382	6,862	8,003	6,711	6,669	7,034	8,755
Normal tax	468	478	308	355	284	258	216	201	210	282
Surtax	802	597	411	475	349	438	433	448	512	689
Net tax on capital net gain from sale of assets held over 2 years [5]	------	------	------	31	29	39	110	108	128	228
Less tax credit of 25 per cent of tax on earned net income	------	------	------	------	------	*31*	*25*	*25*	*25*	*35*
Net tax	1,270	1,075	719	861	662	704	735	732	831	1,164
Number of returns (thous.)	5,333	7,260	6,662	6,787	7,698	7,370	4,171	4,138	4,102	4,071
Average net income per return	$3,724	$3,269	$2,939	$3,143	$3,219	$3,481	$5,249	$5,306	$5,497	$6,197
Average tax per return	$238	$148	$108	$127	$86	$96	$176	$177	$203	$286
Averages per capita of total population: [6]										
Net income returned	$187	$222	$180	$194	$221	$226	$190	$188	$190	$210
Tax	$11.98	$10.06	$6.63	$7.81	$5.91	$6.20	$6.37	$6.26	$7.00	$9.68

[1] Income from fiduciaries included with partnerships in 1919 to 1921.
[2] Exclusive of capital net gain from sales of assets held over 2 years.
[3] $9,000,000 should be deducted from this amount in 1927 and $12,176,000 in 1928 to give the amount exempt from normal tax, see note 4.
[4] The amount here shown is subject to a deduction of $9,000,000 in 1927 and $12,176,000 in 1928 loss in ordinary net income to give the amount exempt from normal tax but taxable at 12½ per cent.
[5] For 1922 and 1923, figures represent tax of 12½ per cent on capital net gain from sale of assets held over 2 years; thereafter, net tax after deducting from this amount tax credit of 12½ per cent on capital net loss from such sales. Prior to 1924, the amount of loss from the sale of capital assets held over 2 years was included in general deductions.
[6] Averages for 1920 to 1928 computed by Bureau of Foreign and Domestic Commerce on basis of revised Census estimates of population.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

No. 197.—PERSONAL INCOME TAX RETURNS: BY INCOME CLASSES

NOTE.—See headnote, Table 186. The net income here shown is subject to deduction of exemptions to give net income subject to tax, see Tables 196 and 198

Income class (net income)	1922	1923	1924	1925	1926	1927	1928
Number of returns	6,787,481	7,698,321	7,389,788	4,171,051	4,138,092	4,101,547	4,070,851
Under $1,000	402,076	368,502	344,876	98,178	119,513	126,745	111,123
$1,000 to $2,000	2,471,181	2,523,150	2,413,881	1,071,992	1,045,519	996,098	918,447
$2,000 to $3,000	2,129,898	2,472,041	2,112,993	842,528	837,792	855,762	837,781
$3,000 to $5,000	1,100,115	1,719,625	1,800,900	1,327,683	1,240,400	1,209,345	1,102,613
$5,000 to $10,000	391,373	387,842	437,330	503,052	560,549	567,700	628,766
$10,000 to $25,000	151,329	170,095	191,216	236,779	246,730	252,079	270,889
$25,000 to $50,000	35,478	39,832	47,061	59,721	57,487	60,123	68,048
$50,000 to $100,000	12,000	12,452	15,816	20,958	20,520	22,573	27,207
$100,000 to $150,000	2,171	2,339	3,065	4,759	4,724	5,261	7,049
$150,000 to $300,000	1,323	1,301	1,876	3,223	3,267	3,873	5,678
$300,000 to $500,000	309	327	457	892	892	1,141	1,756
$500,000 to $1,000,000	161	141	242	479	468	557	923
$1,000,000 and over	67	74	75	207	231	290	511
	In thousands of dollars						
Net income	21,336,213	24,777,406	25,056,153	21,894,576	21,955,506	22,545,091	25,226,327
Under $1,000	247,564	252,513	235,452	58,306	67,238	72,231	64,535
$1,000 to $2,000	3,630,371	3,693,642	3,564,474	1,774,601	1,747,917	1,645,576	1,526,832
$2,000 to $3,000	5,153,497	6,073,444	5,277,147	2,047,970	2,042,903	2,062,275	2,030,901
$3,000 to $5,000	4,500,558	6,469,195	6,827,924	5,236,003	4,872,780	4,700,816	4,648,098
$5,000 to $10,000	2,641,905	2,653,026	2,991,188	3,463,852	3,838,954	3,895,759	4,282,520
$10,000 to $25,000	2,265,872	2,538,079	2,855,397	3,544,808	3,660,623	3,748,058	4,037,853
$25,000 to $50,000	1,208,274	1,350,680	1,599,848	2,032,239	1,954,653	2,051,771	2,326,503
$50,000 to $100,000	805,224	833,808	1,066,784	1,418,948	1,389,339	1,535,387	1,857,878
$100,000 to $150,000	260,204	280,656	377,645	572,860	570,189	636,018	850,451
$150,000 to $300,000	266,814	260,584	374,609	655,300	661,412	787,270	1,157,131
$300,000 to $500,000	116,672	124,569	171,249	330,774	340,214	431,122	663,900
$500,000 to $1,000,000	107,671	95,107	158,462	327,368	317,881	378,167	670,861
$1,000,000 and over	141,387	152,072	155,974	422,457	494,394	600,641	1,103,863
Net tax	861,057	661,066	704,265	734,555	732,471	830,639	1,164,254
Under $1,000	247	317	146	69	56	40	60
$1,000 to $2,000	27,081	18,253	10,432	1,704	1,761	1,234	1,550
$2,000 to $3,000	20,730	16,606	10,207	3,809	4,217	3,971	4,317
$3,000 to $5,000	47,533	40,048	26,865	8,326	7,245	6,508	7,475
$5,000 to $10,000	70,388	54,075	28,828	19,149	20,272	20,664	22,896
$10,000 to $25,000	123,576	103,109	78,069	74,172	72,465	74,226	82,758
$25,000 to $50,000	125,697	103,601	109,360	120,689	112,797	119,475	136,568
$50,000 to $100,000	144,093	108,879	136,636	147,843	140,947	156,675	194,447
$100,000 to $150,000	71,337	55,719	75,678	79,472	77,900	87,398	116,355
$150,000 to $300,000	98,810	62,104	92,481	103,059	103,097	123,776	182,514
$300,000 to $500,000	43,488	31,669	45,771	55,722	55,256	73,750	113,250
$500,000 to $1,000,000	38,559	25,498	42,585	53,674	53,665	64,265	116,424
$1,000,000 and over	49,518	35,788	47,207	66,867	81,893	98,657	185,140
Average tax rate on net income, per cent	4.04	2.67	2.74	3.35	3.34	3.68	4.62
Under $1,000	.10	.13	.06	.12	.08	.06	.09
$1,000 to $2,000	.75	.49	.29	.10	.10	.07	.10
$2,000 to $3,000	.40	.27	.19	.19	.21	.19	.21
$3,000 to $5,000	1.06	.71	.39	.16	.15	.14	.16
$5,000 to $10,000	2.66	2.04	.96	.55	.52	.53	.53
$10,000 to $25,000	5.48	4.06	2.73	2.09	1.98	1.98	2.05
$25,000 to $50,000	10.40	7.67	6.84	5.94	5.94	5.82	5.87
$50,000 to $100,000	17.89	13.06	12.81	10.42	10.14	10.20	10.47
$100,000 to $150,000	27.42	19.85	20.04	13.87	13.66	13.74	13.74
$150,000 to $300,000	37.03	23.83	24.69	15.73	15.72	15.72	15.77
$300,000 to $500,000	37.27	25.42	26.73	16.40	16.24	17.11	17.06
$500,000 to $1,000,000	35.81	26.81	26.87	16.39	16.88	16.99	17.35
$1,000,000 and over	35.02	23.53	30.27	15.83	16.56	16.42	16.70

[1] Includes normal tax, surtax, and tax on capital net gain from sale of assets held more than two years less tax credit on capital net loss in 1924 to 1928, and also tax credit of 25 per cent of tax on earned net income. See Table 198.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

No. 198.—PERSONAL INCOME TAX RETURNS: ANALYSIS, BY INCOME CLASSES, 1928

Income class (net income)	Number of returns	Total income	General deductions, including contributions	Net income [1]	Net loss for prior year	Exemptions from normal tax			
						Personal exemption	Dividends	Interest on Govt. obligations [2]	Capital net gain [3]
		In thousands of dollars							
Total	4,070,851	28,987,634	3,761,307	25,226,327	33,616	11,359,161	4,350,979	40,553	1,879,780
Under $1,000, free [4]	98,873			57,905		202,715			
Under $1,000, taxed	12,250			6,631		1,327			
$1,000 to $2,000, free [4]	419,619			660,375		1,164,622			
$1,000 to $2,000, taxed	408,828			866,457		732,098			
$2,000 to $3,000, free [4]	379,455	9,564,418	1,204,052	937,995		1,397,885	341,064		
$2,000 to $3,000, taxed	458,326			1,092,906		696,021			
$3,000 to $4,000, free [4]	450,040			1,574,141		1,793,985			
$3,000 to $4,000, taxed	253,673			902,910		580,798			
$4,000 to $5,000, free [4]	154,085			668,716		683,067			
$4,000 to $5,000, taxed	334,815			1,502,330		1,097,533			
$5,000 to $6,000, free [4]	22,763	1,458,242	196,318	122,696	1,257	97,353	88,571		
$5,000 to $6,000, taxed	208,347			1,139,227	107	736,485			
$6,000 to $10,000, free [4]	22,953	3,492,456	471,860	172,865	3,648	74,551	349,801		
$6,000 to $10,000, taxed	374,703			2,847,732	692	1,309,779			
$10,000 to $25,000	270,889	4,675,760	637,912	4,037,853	8,509	892,871	835,311	14,703	
$25,000 to $50,000	68,048	2,675,286	348,783	2,326,503	4,889	211,230	694,181	9,501	46,525
$50,000 to $100,000	27,207	2,123,784	265,906	1,857,878	4,819	80,682	641,315	6,490	248,478
$100,000 to $150,000	7,049	969,992	119,541	850,451	2,818	20,657	302,940	2,329	184,983
$150,000 to $300,000	5,678	1,312,161	155,030	1,157,131	2,339	16,343	377,014	2,425	332,494
$300,000 to $500,000	1,756	742,202	78,302	663,900	2,445	5,051	207,523	1,119	219,896
$500,000 to $1,000,000	983	746,865	76,003	670,862	1,071	2,728	197,128	876	267,115
$1,000,000 and over	511	1,226,462	117,600	1,108,863	1,022	1,380	316,181	3,110	680,289

Income class (ne income)	Normal tax	Surtax	Net tax on capital net gain [5]	Tax credit of 25 per cent of tax on earned net income	Net tax	Average tax per individual (dollars)	Average rate of tax on net income (per cent)	Per cent distribution		
								Returns	Net income	Net tax
	Thousands of dollars									
Total	281,895	688,825	228,324	34,790	1,164,254	285.99	4.62	100.00	100.00	100.00
Under $1,000, free [4]								2.73	.26	.01
Under $1,000, taxed	79			19	60	4.90	.90			
$1,000 to $2,000, free [4]								22.56	6.05	.13
$1,000 to $2,000, taxed	2,060			511	1,550	3.11	.18			
$2,000 to $3,000, free [4]								20.58	8.05	.37
$2,000 to $3,000, taxed	5,741			1,424	4,317	9.42	.40			
$3,000 to $4,000, free [4]								17.29	9.82	.28
$3,000 to $4,000, taxed	4,391			1,083	3,308	13.04	.37			
$4,000 to $5,000, free [4]								12.01	8.61	.36
$4,000 to $5,000, taxed	5,533			1,366	4,167	12.45	.28			
$5,000 to $6,000, free [4]								5.68	5.00	.37
$5,000 to $6,000, taxed	5,526			1,271	4,254	20.42	.37			
$6,000 to $10,000, free [4]								9.77	11.97	1.60
$6,000 to $10,000, taxed	22,499			3,857	18,642	49.75	.65			
$10,000 to $25,000	67,247	25,288		9,777	82,758	305.50	2.05	6.66	16.01	7.11
$25,000 to $50,000	55,879	83,499	5,177	7,987	136,568	2,006.94	5.87	1.67	9.22	11.73
$50,000 to $100,000	40,668	128,576	29,389	4,186	194,447	7,146.94	10.47	.67	7.36	16.70
$100,000 to $150,000	16,457	79,576	22,094	1,272	116,855	16,577.53	13.74	.17	3.37	10.03
$150,000 to $300,000	21,691	122,313	39,754	1,244	182,514	32,144.06	15.77	.14	4.59	15.68
$300,000 to $500,000	11,784	74,925	26,965	424	113,250	64,493.17	17.06	.04	2.63	9.73
$500,000 to $1,000,000	10,718	73,005	32,939	238	116,424	118,437.44	17.35	.02	2.66	10.00
$1,000,000 and over	11,622	101,643	72,006	131	185,140	362,309.20	16.70	.01	4.40	15.90

[1] 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.

[2] If not wholly exempt from tax.

[3] Relates to net gain from sale of assets held for more than 2 years exempt from normal tax but subject to a special tax.

[4] Specific exemptions exceed net income.

[5] Tax (12½ per cent) on capital net gain from sale of assets held more than 2 years, less tax credit of 12½ per cent on capital net loss on such sales.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

No. 199.—PERSONAL INCOME TAX RETURNS: TOTAL INCOME BY INCOME CLASSES, DISTRIBUTED BY SOURCES OF INCOME, 1928

NOTE.—For total income and items exempt from normal tax see Table 198

[All figures, except percentages, in thousands of dollars]

Income class (net income)	Income from personal industry and business				Income from property			
	Wages and salaries	Business	Partnerships	Profits from sale of real estate, securities, etc.[1]	Rents and royalties	Dividends	Interest and other income[2]	Interest on Govt. obligations[3]
Total	10,862,331	3,243,955	1,929,519	4,807,922	1,164,518	4,350,979	2,587,856	40,553
Under $5,000	5,854,045	1,471,700	346,198	227,585	527,148	341,064	796,678	------
$5,000 to $6,000	732,741	271,469	97,232	73,828	75,815	88,571	118,585	------
$6,000 to $10,000	1,497,514	583,424	260,219	290,162	174,813	349,801	336,523	------
$10,000 to $25,000	1,504,300	540,216	354,520	711,372	197,057	835,311	618,197	14,703
$25,000 to $50,000	602,063	186,249	197,158	593,943	85,619	694,181	306,572	9,501
$50,000 to $100,000	*333,811*	*95,336*	*167,093*	*603,920*	51,691	641,315	219,078	6,490
$100,000 to $150,000	116,076	29,702	86,408	341,545	15,789	302,940	75,204	2,329
$150,000 to $300,000	116,080	32,934	150,409	532,424	15,870	377,013	85,005	2,425
$300,000 to $500,000	45,717	14,915	93,091	327,819	7,077	207,523	44,940	1,119
$500,000 to $1,000,000	30,214	15,370	56,566	376,546	5,858	197,128	34,306	876
$1,000,000 and over	24,680	2,590	90,625	728,778	7,781	316,131	52,768	3,110
	Per cent of total income of class derived from each source							
Total	37.47	11.19	6.66	16.58	4.02	15.01	8.93	.14
Under $5,000	61.20	15.39	3.62	2.38	5.51	3.57	8.33	------
$5,000 to $6,000	50.25	18.62	6.67	5.06	5.20	6.07	8.13	------
$6,000 to $10,000	42.87	16.70	7.45	8.31	5.01	10.02	9.64	------
$10,000 to $25,000	32.17	11.55	7.58	15.21	4.22	17.87	11.08	.32
$25,000 to $50,000	22.50	6.96	7.37	22.20	3.20	25.95	11.46	.36
$50,000 to $100,000	15.95	4.49	7.87	28.44	2.43	30.20	10.31	.31
$100,000 to $150,000	*11.97*	*3.06*	*8.91*	*35.21*	*1.63*	*31.23*	*7.75*	*.24*
$150,000 to $300,000	8.85	2.51	11.46	40.58	1.21	28.73	6.48	.18
$300,000 to $500,000	6.16	2.01	12.54	44.17	.95	27.96	6.06	.15
$500,000 to $1,000,000	4.05	2.06	11.59	50.42	.78	26.39	4.59	.12
$1,000,000 and over	2.01	.21	7.39	59.42	.63	25.78	4.31	.25

[1] Includes capital net gain from sale of assets held more than 2 years. (See Table 198.)
[2] Including fiduciary income. [3] If not wholly exempt from tax.

No. 200.—PERSONAL INCOME TAX RETURNS:[1] BY FAMILY RELATIONSHIP

	1922	1923	1924	1925	1926	1927	1928
Number of returns	6,787,431	7,698,321	7,369,788	4,171,051	4,138,092	4,101,547	4,070,851
Joint returns of husbands and wives[2]	3,565,302	4,505,729	3,991,551	2,074,849	2,017,182	2,016,850	1,976,954
Wives making separate returns from husbands	101,319	170,573	173,225	120,358	113,550	112,719	124,208
Single men, heads of families	392,356	413,682	394,201	274,139	268,090	302,821	286,873
Single women, heads of families	135,929	157,649	153,279	96,562	100,284	103,430	105,194
All other men	1,823,525	1,697,031	1,865,258	1,193,379	1,146,871	1,109,676	1,079,048
All other women	740,500	718,080	773,314	392,186	449,727	431,769	456,757
Community property income	27,540	35,557	18,960	19,578	42,388	24,282	40,917
Net income (1,000 dollars)	21,336,213	24,777,466	25,656,153	21,894,576	21,958,506	22,545,091	25,228,326
Joint returns of husbands and wives[2]	13,673,814	16,711,847	16,695,378	13,772,705	13,555,920	13,870,232	15,269,775
Wives making separate returns from husbands	638,862	847,110	955,000	1,093,921	1,110,206	1,219,414	1,525,571
Single men, heads of families	1,091,277	1,190,175	1,227,022	1,103,331	1,102,102	1,211,235	1,280,921
Single women, heads of families	361,518	448,887	445,185	400,658	436,422	483,327	502,098
All other men	3,758,959	3,628,421	4,223,497	3,716,460	3,630,034	3,700,791	3,944,632
All other women	1,603,594	1,688,707	1,883,757	1,540,291	1,750,900	1,770,517	2,043,223
Community property income	208,189	262,319	226,314	261,210	363,922	309,274	660,106

[1] See headnote, Table 186.
[2] Includes returns of husbands whose wives, though living with them, file separate returns.

Source of Tables 199 and 200: Statistics of Income, Reports of the Commissioner of Internal Revenue.

No. 201.—PERSONAL INCOME TAX RETURNS: INCOME DISTRIBUTED BY SOURCES, BY STATES AND TERRITORIES, 1928

[All figures in thousands of dollars]

Division and State	Total income	From personal industry and business				From property			
		Wages and salaries	Business	Partnerships	Profits from sale of real estate, securities, etc.[1]	Rents and royalties	Dividends	Interest and investment income [2]	Interest on Government obligations [3]
Total	28,987,636	10,862,331	3,243,955	1,929,519	4,807,922	1,164,518	4,350,979	2,587,856	40,553
New England	2,570,239	879,604	261,627	120,761	432,302	69,087	525,516	277,534	3,884
Maine	126,729	39,663	17,288	4,771	19,093	3,807	24,452	17,468	189
New Hampshire	82,367	26,574	12,814	3,627	12,063	3,062	16,162	7,968	97
Vermont	54,372	19,953	8,477	3,109	4,994	1,718	9,816	6,240	65
Massachusetts	1,521,630	526,760	149,786	76,622	250,570	35,577	303,145	167,929	2,243
Rhode Island	107,059	68,118	18,569	8,850	28,373	6,377	43,762	22,614	397
Connecticut	588,082	198,536	54,693	23,782	108,209	18,526	128,179	55,315	843
Middle Atlantic	11,265,868	3,971,934	1,005,757	888,307	2,194,843	288,019	1,799,997	1,100,537	16,473
New York	7,330,440	2,448,179	586,278	695,909	1,556,895	161,338	1,168,606	701,608	11,627
New Jersey	1,408,604	586,618	138,790	64,533	220,463	42,536	207,175	147,324	1,165
Pennsylvania	2,526,824	937,137	280,689	127,865	417,485	84,145	424,216	251,605	3,680
East North Central	6,392,592	2,685,893	661,077	327,912	1,062,240	275,776	893,517	477,165	9,009
Ohio	1,494,388	642,342	149,036	77,119	240,719	63,578	245,726	72,078	3,788
Indiana	416,637	199,192	57,827	24,282	43,224	19,922	51,020	19,790	1,382
Illinois	2,712,204	1,139,497	253,999	149,180	477,219	118,634	345,565	225,469	2,682
Michigan	1,246,230	477,484	131,284	53,867	236,055	55,251	181,644	109,802	841
Wisconsin	523,133	227,378	68,931	23,455	65,023	18,341	69,562	50,026	416
West North Central	1,735,833	682,213	295,724	109,973	195,170	95,880	215,629	138,560	2,685
Minnesota	391,361	156,516	53,380	21,339	53,294	13,413	59,145	33,733	542
Iowa	256,963	80,990	54,705	18,052	34,093	16,784	27,110	25,000	229
Missouri	648,058	290,977	64,828	31,239	81,124	31,032	98,748	48,582	1,529
North Dakota	42,076	17,155	12,573	4,304	932	1,958	1,791	3,349	14
South Dakota	45,603	15,762	15,074	4,714	1,737	2,925	2,298	3,153	20
Nebraska	162,463	61,980	42,346	13,215	8,976	10,835	12,455	12,544	110
Kansas	189,214	58,827	52,818	17,110	15,014	18,933	14,082	12,199	232
South Atlantic	1,939,843	762,697	215,086	105,262	253,515	92,209	334,971	173,142	2,755
Delaware	127,013	24,504	6,723	3,612	20,496	2,156	50,657	9,766	97
Maryland	402,179	168,847	44,487	26,991	64,936	17,412	79,881	59,021	603
Dist. of Col	257,667	116,291	28,498	9,505	30,973	11,630	30,484	29,791	495
Virginia	218,314	93,851	28,513	12,932	22,022	10,525	34,594	15,539	336
West Virginia	166,217	72,055	21,382	9,154	17,348	9,652	29,341	6,824	461
North Carolina	209,347	82,974	24,338	12,888	20,033	12,579	33,812	8,500	224
South Carolina	69,681	32,739	10,408	4,554	4,125	3,880	8,048	5,863	63
Georgia	201,464	96,763	23,867	13,007	17,275	11,560	26,810	11,979	202
Florida	227,761	74,673	26,870	12,619	38,307	12,815	36,344	25,859	274
East South Central	697,509	286,176	93,289	53,611	89,951	40,025	84,033	49,274	1,148
Kentucky	225,958	87,870	26,967	13,544	34,539	10,983	35,909	15,556	591
Tennessee	224,006	97,597	26,793	17,427	23,136	12,426	26,769	14,581	276
Alabama	165,640	68,403	20,988	14,204	23,554	10,772	15,541	12,985	192
Mississippi	80,905	32,306	18,541	8,436	3,722	5,844	5,814	6,152	89
West South Central	1,273,280	461,385	218,564	124,421	121,892	118,779	123,183	103,302	1,757
Arkansas	88,937	34,643	17,403	9,748	3,821	8,497	7,764	6,938	123
Louisiana	217,194	91,484	28,699	17,615	19,104	14,181	27,084	18,730	298
Oklahoma	258,604	92,116	41,657	22,101	30,646	27,775	23,210	20,670	429
Texas	708,545	243,142	130,805	74,957	68,321	68,326	65,125	56,964	907
Mountain	587,741	211,112	111,975	36,729	52,762	24,292	56,129	44,151	588
Montana	82,106	35,057	19,543	5,429	7,594	3,192	5,935	5,288	66
Idaho	42,506	16,990	12,758	3,376	1,655	2,008	2,364	3,324	29
Wyoming	37,746	16,213	9,879	3,136	1,649	1,568	2,637	2,616	47
Colorado	184,368	67,789	32,110	10,661	18,068	8,981	27,703	18,722	333
New Mexico	34,197	11,285	9,582	3,196	2,465	2,121	2,537	2,999	13
Arizona	66,771	24,434	12,142	4,832	12,120	3,529	4,836	4,330	48
Utah	67,467	30,460	11,651	4,148	6,330	2,098	7,988	4,751	42
Nevada	22,580	8,884	4,310	1,951	2,881	795	2,129	1,021	10
Pacific	2,523,442	899,589	375,955	161,268	401,787	156,081	303,787	220,842	2,175
Washington [4]	310,146	140,636	56,661	16,963	27,322	15,263	28,715	24,190	395
Oregon	152,540	65,161	30,023	10,991	12,113	8,006	12,225	13,870	152
California	2,060,756	693,792	289,271	133,312	362,352	134,792	262,827	182,782	1,628
Hawaii	51,488	21,728	4,900	1,278	3,460	2,410	14,237	3,349	130

[1] Includes capital net gain from sale of assets held more than 2 years. (See Table 203.)
[2] Including fiduciary income.
[3] If not wholly exempt from tax.
[4] Includes Alaska.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

No. 202.—PERSONAL INCOME TAX RETURNS:

NOTE.—See headnote Table 186. The net income here shown is subject to

[Net income and tax yield

Division and State	Number of returns						Net income	
	1923	1924	1925	1926	1927	1928	1923	1924
Total	7,698,321	7,389,788	4,171,051	4,138,092	4,101,547	4,070,351	24,777,486	25,656,153
New England	738,948	664,651	370,664	375,484	358,760	364,560	2,414,187	2,282,872
Maine	48,435	42,254	19,444	19,709	18,710	18,611	142,964	135,221
New Hampshire	36,876	31,532	16,413	15,276	14,484	14,132	104,852	94,133
Vermont	21,752	20,618	9,559	8,646	8,268	9,394	64,800	63,631
Massachusetts	415,100	378,049	221,530	224,042	214,356	215,559	1,413,016	320,157
Rhode Island	66,965	48,702	29,123	26,362	25,184	25,801	214,750	191,556
Connecticut	149,820	143,496	74,595	81,449	77,778	81,063	473,805	478,174
Middle Atlantic	2,255,635	2,228,971	1,279,738	1,326,939	1,343,815	1,338,319	8,094,807	8,870,320
New York	1,221,654	1,215,640	751,941	753,044	760,974	780,418	4,565,315	5,144,766
New Jersey	293,503	299,904	150,874	176,320	195,467	196,681	1,050,741	1,177,421
Pennsylvania	740,478	713,427	376,923	397,576	381,374	361,220	2,478,751	2,548,133
East North Central	1,862,459	1,730,402	961,545	959,102	955,031	945,847	5,880,137	5,821,581
Ohio	463,017	418,048	224,643	231,196	222,707	218,479	1,457,697	1,403,749
Indiana	178,831	156,845	80,300	77,126	76,703	75,376	510,507	461,717
Illinois	676,489	652,501	357,448	374,725	378,859	373,621	2,272,960	2,413,605
Michigan	350,072	323,733	188,669	176,804	175,806	170,886	1,041,933	1,045,850
Wisconsin	194,050	179,275	110,485	99,251	100,956	98,485	547,040	496,660
West North Central	659,324	621,683	329,475	301,771	291,667	285,550	1,844,540	1,814,078
Minnesota	134,360	128,237	71,291	64,227	61,439	60,752	372,377	375,529
Iowa	135,864	110,404	50,379	49,476	45,849	40,789	363,242	298,734
Missouri	192,282	186,784	109,059	99,509	96,407	99,295	605,276	632,533
North Dakota	18,054	16,160	11,715	9,881	9,758	9,710	42,974	48,690
South Dakota	21,928	26,506	17,086	12,414	10,969	10,649	50,171	66,124
Nebraska	70,545	60,512	35,661	33,532	32,170	31,426	195,153	189,372
Kansas	86,291	84,080	34,284	32,732	35,575	32,929	215,347	203,034
South Atlantic	606,830	588,499	359,983	328,820	305,424	297,093	1,856,386	1,985,149
Delaware	19,202	18,892	9,131	9,301	9,266	9,592	57,187	64,180
Maryland	127,770	126,226	66,152	67,160	65,099	65,258	401,260	467,226
Dist. of Columbia	75,796	77,836	43,293	40,024	39,580	44,183	221,951	253,312
Virginia	77,451	71,697	37,507	37,797	37,393	37,619	242,587	231,056
West Virginia	89,263	75,037	36,810	32,544	32,500	30,643	260,343	227,000
North Carolina	68,191	68,864	38,740	35,332	33,398	30,997	206,639	200,880
South Carolina	28,225	28,090	15,727	13,809	14,310	13,725	87,031	79,614
Georgia	71,341	62,651	37,410	36,744	33,818	32,921	222,888	210,908
Florida	49,591	64,306	76,213	56,109	40,080	32,155	156,500	250,964
East South Central	227,072	213,904	115,267	114,052	111,772	113,437	683,008	704,850
Kentucky	79,091	72,119	37,315	32,821	33,004	35,367	214,416	238,094
Tennessee	69,031	66,931	34,089	35,495	33,812	35,039	226,034	224,184
Alabama	51,049	47,591	26,278	28,540	27,992	26,891	150,004	169,919
Mississippi	27,851	27,213	16,985	17,196	16,964	16,140	83,494	82,653
West South Central	374,100	359,234	211,565	207,294	208,964	203,175	1,158,384	1,180,769
Arkansas	35,788	35,484	20,597	19,363	17,331	16,660	109,794	110,255
Louisiana	67,440	67,658	40,695	38,996	37,293	36,981	213,802	221,133
Oklahoma	70,180	63,357	40,825	37,497	39,806	37,261	221,203	211,272
Texas	200,683	192,735	109,448	111,438	114,534	112,273	613,495	638,109
Mountain	239,243	233,989	117,862	107,235	105,173	102,585	613,447	625,330
Montana	42,809	44,011	19,239	16,191	18,651	17,112	99,256	107,242
Idaho	25,012	21,436	12,907	11,617	10,673	9,808	58,393	52,302
Wyoming	23,246	22,947	10,336	8,930	8,870	8,622	57,376	60,752
Colorado	72,366	73,350	35,808	35,110	31,727	31,091	200,573	205,088
New Mexico	12,202	11,595	7,203	6,513	6,462	6,086	32,608	31,951
Arizona	22,899	21,301	10,104	10,509	11,059	11,527	59,526	58,273
Utah	30,242	28,685	16,101	13,568	13,029	13,262	79,943	82,088
Nevada	10,467	10,664	6,164	4,797	4,702	4,477	25,712	27,534
Pacific [1]	723,289	718,063	415,646	408,249	411,669	412,238	2,239,742	2,324,910
Washington [1]	136,057	138,181	78,030	61,950	62,200	66,167	351,985	393,962
Oregon	69,123	66,669	32,542	30,955	33,903	29,333	189,854	189,884
California	517,109	511,218	305,074	315,344	315,566	316,738	1,697,903	1,741,064
Hawaii	12,421	12,387	9,306	9,146	9,252	8,047	42,829	46,395

[1] Includes Alaska.

BY STATES AND TERRITORIES, 1923 TO 1928

deduction of exemptions to give net income subject to tax, see Tables 196 and 203

In thousands of dollars]

Net income—Continued				Tax yield						Division and State
1925	1926	1927	1928	1923	1924	1925	1926	1927	1928	
21, 894, 576	21, 958, 506	22, 545, 091	25, 226, 327	661, 666	704, 265	734, 555	732, 471	830, 639	1, 164, 254	Total
1, 911, 646	1, 953, 336	2, 013, 224	2, 288, 052	66, 147	65, 096	65, 262	61, 854	72, 372	98, 246	N. E.
97, 928	107, 979	103, 081	111, 558	2, 786	2, 568	2, 719	3, 419	3, 301	4, 262	Me.
70, 118	66, 744	70, 561	72, 619	1, 643	1, 377	1, 219	1, 201	1, 825	1, 992	N. H.
45, 857	42, 209	41, 842	48, 086	1, 333	978	920	821	847	1, 056	Vt.
1, 132, 290	1, 147, 576	1, 189, 273	1, 357, 076	42, 528	40, 857	41, 052	37, 116	43, 950	59, 739	Mass.
160, 955	155, 051	157, 405	176, 225	6, 658	6, 722	5, 818	5, 546	6, 332	8, 093	R. I.
404, 498	433, 777	451, 002	522, 497	11, 199	12, 594	13, 534	13, 751	16, 117	23, 104	Conn.
7, 878, 208	8, 154, 486	8, 607, 674	9, 904, 456	296, 132	346, 590	357, 905	356, 909	422, 796	600, 269	M. A.
4, 903, 229	4, 984, 020	5, 298, 451	6, 458, 089	192, 312	236, 775	252, 158	247, 164	305, 210	451, 607	N. Y
943, 673	1, 032, 297	1, 117, 398	1, 241, 411	30, 553	31, 941	32, 383	32, 858	38, 912	51, 890	N. J.
2, 031, 306	2, 138, 169	2, 091, 825	2, 204, 956	73, 267	77, 874	73, 364	76, 887	78, 674	96, 772	Pa.
4, 790, 684	4, 813, 590	4, 983, 785	5, 580, 654	140, 895	143, 629	142, 684	147, 814	164, 421	239, 215	E. N. C.
1, 141, 453	1, 146, 496	1, 153, 756	1, 302, 762	33, 062	32, 062	30, 321	32, 839	35, 519	55, 394	Ohio
344, 267	358, 625	349, 434	365, 337	7, 883	6, 656	7, 509	9, 935	8, 884	10, 101	Ind.
1, 075, 436	1, 095, 011	2, 093, 909	2, 392, 631	62, 880	66, 583	64, 792	64, 214	73, 796	110, 660	Ill.
910, 910	905, 815	950, 086	1, 066, 530	28, 051	30, 984	33, 263	32, 408	35, 600	50, 601	Mich.
418, 618	407, 643	436, 580	453, 394	9, 019	7, 344	6, 799	8, 418	10, 622	12, 459	Wis.
1, 411, 572	1, 371, 379	1, 344, 285	1, 501, 684	29, 575	26, 558	27, 794	27, 417	28, 497	42, 620	W. N. C.
305, 945	296, 414	295, 670	340, 153	7, 084	6, 721	6, 126	6, 475	7, 383	11, 925	Minn.
198, 736	203, 015	190, 436	221, 881	4, 127	3, 124	3, 111	2, 918	3, 310	6, 216	Iowa
533, 836	512, 801	501, 495	563, 951	13, 085	12, 373	14, 247	13, 497	13, 738	18, 911	Mo.
35, 695	33, 169	33, 252	34, 878	276	268	163	180	187	209	N. Dak.
53, 971	38, 153	35, 907	38, 955	350	306	192	209	210	322	S. Dak.
141, 878	134, 154	130, 131	139, 471	2, 534	1, 848	1, 733	1, 382	1, 428	2, 109	Nebr.
141, 511	153, 673	157, 394	162, 395	2, 119	1, 918	2, 222	2, 756	2, 241	2, 928	Kans.
1, 979, 194	1, 660, 320	1, 577, 269	1, 628, 663	40, 367	41, 515	61, 234	45, 066	48, 723	59, 812	S. A.
54, 899	70, 544	90, 263	107, 335	1, 402	2, 433	2, 780	5, 101	7, 970	10, 592	Del.
362, 485	374, 759	390, 671	409, 371	11, 540	12, 073	11, 623	11, 517	13, 860	16, 127	Md.
200, 354	198, 056	198, 938	227, 621	6, 098	5, 766	5, 718	5, 527	6, 027	7, 474	D. C.
170, 257	176, 025	172, 240	181, 750	3, 669	3, 314	2, 981	3, 405	3, 611	4, 409	Va.
144, 777	141, 307	139, 696	140, 128	3, 876	2, 706	2, 134	2, 304	2, 520	2, 921	W. Va.
161, 624	153, 232	155, 917	161, 030	4, 767	3, 778	3, 179	3, 398	4, 520	6, 052	N. C.
57, 662	53, 080	55, 219	55, 510	1, 555	727	431	420	555	717	S. C.
177, 204	171, 146	167, 407	167, 064	3, 766	3, 309	3, 530	2, 888	3, 613	3, 806	Ga.
649, 932	322, 601	206, 918	178, 844	3, 694	7, 229	28, 858	10, 416	6, 047	7, 714	Fla.
552, 191	546, 198	543, 849	590, 910	12, 535	11, 153	9, 741	9, 971	11, 334	16, 083	E. S. C.
180, 217	169, 101	172, 582	193, 766	3, 724	3, 806	3, 300	3, 226	4, 028	5, 639	Ky.
168, 198	175, 714	173, 163	190, 287	4, 284	3, 420	3, 126	3, 652	4, 035	5, 624	Tenn.
130, 025	136, 523	133, 225	142, 168	2, 841	2, 771	2, 236	2, 449	2, 455	4, 036	Ala.
73, 751	64, 860	64, 879	64, 689	1, 686	1, 156	989	644	816	764	Miss.
990, 840	1, 040, 740	1, 023, 473	1, 047, 026	21, 077	19, 017	21, 948	25, 611	23, 657	26, 107	W. S. C.
84, 474	84, 661	75, 554	71, 690	2, 050	1, 458	1, 434	1, 482	1, 340	878	Ark.
195, 585	185, 479	175, 254	184, 035	4, 439	3, 529	3, 850	3, 312	3, 175	4, 380	La.
219, 961	223, 037	212, 342	211, 062	3, 910	3, 794	6, 897	8, 135	6, 232	6, 447	Okla.
496, 820	547, 563	560, 323	580, 239	10, 678	10, 236	9, 767	12, 682	12, 910	14, 402	Tex.
437, 788	422, 711	431, 071	469, 480	6, 343	6, 088	5, 411	5, 518	6, 758	10, 051	Mt.
66, 825	59, 200	69, 654	72, 908	721	731	580	562	868	1, 298	Mont.
40, 444	39, 888	38, 449	37, 123	426	261	171	184	247	283	Idaho
33, 482	31, 751	31, 208	33, 233	521	414	257	263	275	372	Wyo.
150, 363	154, 805	148, 473	158, 932	3, 268	3, 163	2, 841	2, 959	3, 307	4, 460	Colo.
23, 995	24, 632	26, 288	29, 996	337	224	179	227	283	464	N. Mex.
41, 383	41, 717	45, 837	58, 369	603	512	545	499	698	1, 600	Ariz.
61, 635	53, 832	53, 629	58, 809	726	599	660	629	851	1, 096	Utah.
19, 661	16, 796	17, 443	20, 110	241	184	178	195	229	478	Nev.
1, 894, 988	1, 952, 296	1, 975, 862	2, 172, 051	46, 777	43, 137	41, 632	51, 215	50, 880	70, 559	Pac.[1]
272, 545	245, 592	252, 547	273, 648	3, 926	3, 231	2, 717	2, 801	2, 914	4, 465	Wash.[1]
132, 023	135, 030	140, 739	132, 829	2, 392	2, 025	1, 788	2, 175	1, 921	2, 387	Oreg.
1, 490, 420	1, 571, 674	1, 582, 576	1, 765, 574	39, 959	37, 881	37, 127	46, 239	46, 045	63, 707	Calif.
41, 465	42, 950	44, 619	43, 350	1, 319	1, 482	944	1, 096	1, 201	1, 312	Hawaii.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

No. 203.—PERSONAL INCOME TAX RETURNS:

[All money figures, except average per return

Division and State	Number of returns	Net income [1]	Prior year loss deductions	Exemptions from normal tax				Normal tax
				Personal exemption	Dividends	Interest on Govt. obligations [2]	Capital net gain [3]	
Total	4,070,851	25,226,326	33,616	11,859,161	4,350,978	40,553	1,879,780	231,895
New England	364,560	2,288,052	1,505	1,033,445	525,515	3,532	159,447	23,165
Maine	18,611	111,558	52	55,446	24,451	189	4,731	1,047
New Hampshire	14,132	72,610	85	40,599	16,162	97	3,123	555
Vermont	9,304	48,086	57	27,848	9,816	65	984	346
Massachusetts	215,559	1,357,076	1,077	608,179	303,145	2,242	100,887	14,384
Rhode Island	25,801	176,225	101	74,697	43,761	397	12,050	1,731
Connecticut	81,063	522,497	133	226,676	128,180	842	37,672	5,152
Middle Atlantic	1,338,319	9,904,456	11,715	3,885,715	1,799,997	16,474	878,180	133,103
New York	780,418	6,458,089	8,937	2,253,134	1,168,506	11,628	630,111	97,213
New Jersey	196,681	1,241,411	836	586,853	207,175	1,166	84,335	13,363
Pennsylvania	361,220	2,204,956	1,942	1,045,728	424,216	3,680	163,734	22,527
East North Central	945,847	5,580,654	5,423	2,738,535	893,517	9,009	456,892	58,033
Ohio	218,479	1,302,762	949	640,340	245,726	3,783	116,384	12,814
Indiana	75,376	355,337	225	224,785	51,020	1,382	18,126	2,866
Illinois	373,021	2,392,631	3,037	1,002,372	345,565	2,582	201,132	27,041
Michigan	179,886	1,066,530	927	513,504	181,645	841	95,560	10,996
Wisconsin	98,485	453,394	285	207,534	69,561	416	25,690	3,416
West North Central	285,550	1,501,684	1,076	884,304	215,631	2,684	95,391	11,996
Minnesota	60,752	340,153	269	181,198	59,145	541	28,655	2,770
Iowa	40,789	221,881	86	126,771	27,110	229	22,785	1,449
Missouri	99,295	563,951	508	301,095	98,749	1,529	36,973	5,067
North Dakota	9,710	34,878	28	31,939	1,791	14	51	175
South Dakota	10,649	38,955	30	34,513	2,209	29	146	205
Nebraska	31,426	139,471	217	101,310	12,455	111	2,470	1,004
Kansas	32,929	162,395	538	107,478	14,082	231	4,311	1,326
South Atlantic	297,093	1,628,663	2,244	883,621	334,971	2,757	77,028	14,491
Delaware	9,592	107,335	----------	27,162	50,057	97	7,837	1,153
Maryland	65,258	409,372	476	190,037	79,881	603	18,746	4,498
Dist. of Columbia	44,183	227,621	228	113,731	30,484	495	9,652	2,407
Virginia	37,619	181,750	234	115,474	34,594	336	5,515	1,319
West Virginia	30,643	140,128	150	91,489	29,341	461	3,321	906
North Carolina	30,997	161,039	141	100,457	38,811	224	12,088	1,007
South Carolina	13,725	55,510	64	43,671	8,048	63	1,140	320
Georgia	32,921	167,064	300	101,504	26,810	203	4,866	1,323
Florida	32,155	178,844	651	99,796	30,345	275	13,863	1,558
East South Central	113,437	590,910	2,101	349,737	84,032	1,149	37,267	4,850
Kentucky	35,307	193,766	172	105,323	35,909	591	8,514	1,727
Tennessee	35,039	190,287	487	107,784	26,769	276	14,221	1,602
Alabama	26,891	142,168	474	83,423	15,540	192	14,113	1,107
Mississippi	16,140	64,689	968	53,207	5,814	90	419	414
West South Central	203,175	1,047,026	4,150	605,442	123,183	1,757	33,131	10,279
Arkansas	16,660	71,690	372	53,899	7,764	123	602	451
Louisiana	36,981	184,035	357	108,893	27,084	208	4,797	1,654
Oklahoma	37,261	211,052	767	120,850	23,210	429	8,600	2,365
Texas	112,273	580,239	2,654	321,770	65,125	907	19,132	5,809
Mountain	102,585	469,480	500	300,554	56,129	587	17,474	3,562
Montana	17,112	72,905	61	49,894	5,935	66	1,704	537
Idaho	9,808	37,123	77	28,568	2,365	29	174	212
Wyoming	8,622	33,233	35	24,743	2,637	46	455	212
Colorado	31,091	158,932	82	93,227	27,703	333	5,708	1,307
New Mexico	6,686	29,996	60	19,430	2,537	13	535	247
Arizona	11,527	58,360	136	32,491	4,836	48	5,310	512
Utah	13,202	58,809	24	41,093	7,987	42	2,397	377
Nevada	4,477	20,110	25	11,108	2,129	10	1,191	158
Pacific [5]	412,238	2,172,051	4,287	1,151,166	303,767	2,174	124,716	22,153
Washington [5]	66,197	273,648	640	181,760	28,715	396	7,313	1,957
Oregon	29,333	132,329	171	87,221	12,225	151	4,161	1,030
California	316,738	1,765,574	3,426	882,185	262,827	1,628	113,242	19,160
Hawaii	8,047	43,350	65	26,642	14,236	130	254	263

[1] See note 1, Table 198.
[2] If not wholly exempt from tax.
[3] Relates to net gain from sale of assets held for more than two years exempt from normal tax but subject to a special tax.
[4] Tax on capital net gain from sale of assets held more than two years less tax credit on capital net loss from such sales.

Analysis by States and Territories, 1928

and per capita tax, in thousands of dollars]

Surtax	Net tax on capital net gain[4]	Tax credit of 25 per cent of tax on earned net income	Net tax	Average per return		Tax per capita of total population[5]	Per cent of population filing returns[6]	Per cent of United States total				Division and State
				Net income	Tax			Population[5]	Returns	Net income	Tax	
688, 825	228, 324	34, 790	1, 164, 254	6, 197	235. 89	9. 68	3. 38	100. 00	100. 00	100. 00	100. 00	Total.
58, 877	19, 263	3, 059	98, 246	6, 276	289. 49	12. 23	4. 54	6. 68	8. 96	9. 07	8. 44	N. E.
2, 774	564	122	4, 262	5, 994	229. 03	5. 38	2. 35	.66	.46	.44	.37	Me.
1, 124	383	70	1, 992	5, 138	140. 95	4. 32	3. 06	.38	.35	.29	.17	N. H.
638	122	51	1, 056	5, 118	112. 38	2. 95	2. 62	.30	.23	.19	.09	Vt.
35, 191	12, 128	1, 914	59, 739	6, 295	277. 14	14. 20	5. 15	3. 48	5. 30	5. 38	5. 13	Mass.
5, 146	1, 454	239	8, 093	6, 830	313. 67	12. 02	3. 83	.56	.63	.70	.70	R. I.
14, 004	4, 612	663	23, 104	6, 445	285. 02	14. 73	5. 17	1. 30	1. 99	2. 07	1. 98	Conn.
375, 503	106, 902	15, 239	600, 269	7, 400	448. 50	23. 47	5. 23	21. 27	32. 87	39. 26	51. 55	M. A.
288, 065	76, 772	10, 443	451, 607	8, 275	578. 67	36. 98	6. 39	10. 15	19. 17	25. 60	38. 79	N. Y.
30, 271	10, 246	1, 991	51, 800	6, 312	263. 82	13. 34	5. 06	3. 23	4. 83	4. 02	4. 45	N. J.
57, 197	19, 884	2, 805	90, 772	6, 104	267. 90	10. 21	3. 81	7. 88	8. 87	8. 74	8. 31	Pa.
133, 612	55, 425	8, 055	239, 215	5, 800	262. 91	9. 71	3. 84	20. 49	23. 24	22. 12	20. 56	E. N. C.
30, 203	14, 112	1, 795	55, 394	5, 963	263. 54	8. 53	3. 36	5. 40	5. 37	5. 16	4. 76	Ohio.
5, 445	2, 248	458	10, 101	4, 847	134. 01	3. 17	2. 37	2. 65	1. 85	1. 45	.87	Ind.
2, 145	24, 349	3, 776	110, 660	6, 404	296. 18	14. 88	5. 03	6. 18	9. 18	9. 48	9. 51	Ill.
29, 421	11, 672	1, 488	50, 601	5, 920	281. 20	10. 90	3. 88	3. 86	4. 42	4. 23	4. 35	Mich.
6, 538	3, 044	538	12, 459	4, 604	126. 51	4. 32	3. 44	12. 40	2. 42	1. 80	1. 07	Wis.
20, 777	11, 713	1, 866	42, 620	5, 259	149. 26	3. 24	2. 17	10. 95	7. 01	5. 95	3. 68	W. N. C.
6, 075	3, 525	445	11, 925	5, 599	196. 29	4. 71	2. 40	2. 11	1. 49	1. 35	1. 03	Minn.
2, 178	2, 817	228	6, 216	5, 440	152. 40	2. 53	1. 66	2. 05	1. 00	.88	.53	Iowa.
10, 150	4, 512	827	18, 911	5, 679	190. 45	5. 27	2. 77	2. 99	2. 44	2. 24	1. 62	Mo.
54	6	27	209	3, 592	21. 57	.31	1. 44	.56	.24	.14	.02	N.Dak
127	18	28	322	3, 638	30. 19	.47	1. 56	.57	.26	.15	.03	S.Dak.
959	306	159	2, 109	4, 438	67. 12	1. 56	2. 30	1. 13	.77	.55	.18	Nebr.
1, 225	520	152	2, 928	4, 932	88. 92	1. 57	1. 77	1. 55	.81	.64	.25	Kans.
38, 038	9, 191	1, 908	53, 812	5, 482	201. 32	3. 86	1. 92	12. 88	7. 30	6. 46	5. 14	S. A.
8, 083	849	93	10, 592	11, 190	1,104.35	44. 93	4. 07	.20	.24	.43	.91	Del.
9, 945	2, 225	541	16, 127	6, 273	247. 12	10. 08	4. 08	1. 33	1. 60	1. 62	1. 39	Md.
4, 250	1, 172	355	7, 474	5, 152	169. 17	15. 52	9. 23	.40	1. 09	.90	.64	D. C.
2, 589	86	185	4, 409	4, 831	117. 20	1. 84	1. 57	2. 00	.92	.72	.38	Va.
1, 773	79	138	2, 921	4, 573	95. 32	1. 73	1. 82	1. 40	.75	.56	.25	W.Va
3, 719	1, 473	147	6, 052	5, 195	195. 23	1. 97	1. 01	2. 55	.76	.64	.52	N. C.
313	141	58	717	4, 044	52. 21	.41	.79	1. 44	.34	.22	.06	S. C.
2, 116	594	226	3, 806	5, 074	115. 63	1. 31	1. 13	2. 42	.81	.66	.33	Ga.
4, 650	1, 672	165	7, 714	5, 562	239. 91	5. 58	2. 33	1. 15	.79	.71	.66	Fla.
7, 286	4, 584	655	16, 063	5, 209	141. 60	1. 65	1. 17	8. 08	2. 79	2. 35	1. 38	E. S. C.
3, 075	1, 047	208	5, 639	5, 479	159. 45	2. 19	1. 37	2. 15	.87	.77	.48	Ky.
2, 500	1, 763	241	5, 624	5, 431	160. 51	2. 19	1. 36	2. 14	.86	.76	.48	Tenn.
1, 340	1, 747	157	4, 036	5, 287	150. 08	1. 56	1. 04	2. 16	.66	.56	.35	Ala.
371	27	49	764	4, 008	47. 32	.39	.82	1. 64	.40	.26	.07	Miss.
13, 077	3, 833	1, 084	28, 107	5, 153	128. 49	2. 20	1. 72	9. 85	4. 99	4. 15	2. 25	W. S. C.
428	55	58	878	4, 303	52. 69	.48	.91	1. 53	.41	.28	.08	Ark.
2, 319	590	183	4, 380	4, 976	118. 44	2. 14	1. 80	1. 70	.91	.73	.38	La.
3, 331	1, 007	257	6, 447	5, 664	173. 00	2. 76	1. 60	1. 94	.92	.84	.55	Okla.
6, 999	2, 181	586	14, 402	5, 168	128. 28	2. 56	2. 00	4. 08	2. 75	2. 30	1. 24	Tex.
4, 830	2, 111	451	10, 051	4, 576	97. 98	2. 76	2. 82	3. 03	2. 51	1. 86	.85	Mt.
638	183	60	1, 298	4, 261	75. 85	2. 41	3. 17	.45	.42	.29	.11	Mont.
78	22	28	283	3, 785	28. 87	.64	2. 22	.37	.24	.15	.02	Idaho.
133	55	27	372	3, 854	43. 16	1. 60	3. 91	.18	.21	.13	.03	Wyo.
2, 649	686	183	4, 460	5, 112	143. 42	4. 37	3. 05	.85	.76	.63	.38	Colo.
178	64	25	464	4, 486	69. 46	1. 13	1. 62	.34	.16	.12	.04	N. M.
482	650	52	1, 600	5, 064	138. 83	3. 83	2. 76	.35	.28	.23	.14	Ariz.
477	299	58	1, 096	4, 434	82. 63	2. 20	2. 66	.41	.33	.23	.09	Utah
195	143	18	478	4, 492	106. 69	5. 38	5. 05	.07	.11	.08	.04	Nev.
36, 521	15, 313	2, 428	70, 559	5, 289	171, 16	9. 04	5. 28	6. 49	10. 13	8. 61	6. 06	Pac.[6]
1, 861	801	244	4, 465	4, 136	67. 48	2. 81	4. 17	1. 32	1. 63	1. 08	.38	Wash [6]
1, 003	502	154	2, 387	4, 528	81. 39	2. 58	3. 17	.77	.72	.53	.21	Oreg.
32, 657	13, 920	2, 030	63, 707	5, 574	201. 14	12. 04	5. 98	4. 40	7. 78	7. 00	5. 47	Calif.
1, 104	[7] 10	45	1, 312	5, 387	163. 01	3. 76	2. 30	.29	.20	.17	.11	Hawaii

[5] Based on revised Census estimates of population as of July 1, 1928.
[6] Includes figures for Alaska.
[7] Excess of tax credit on capital net loss from sale of assets held over 2 years over tax on capital net gain from such sales.

No. 204.—FEDERAL ESTATE TAX RETURNS: RETURNS OF RESIDENT DECEDENTS DISTRIBUTED BY SIZE OF NET ESTATE

[All money figures, except average amount of tax per return, in thousands of dollars]

	Grand total					
	1924	1925	1926	1927	1928	1929
Number of returns	12,403	14,013	13,142	9,353	8,079	8,582
Gross estate, total	2,350,249	2,958,363	3,386,367	3,146,290	3,503,239	3,843,514
Real estate	553,434	651,229	647,836	573,454	610,653	570,068
Bonds exempt or partially exempt	192,470	228,511	293,809	233,887	247,411	240,336
Other bonds	155,050	232,173	253,583	230,897	239,440	263,142
Capital stock in corporations	738,363	973,886	1,266,306	1,223,992	1,510,971	1,860,795
Mortgages, notes, cash, etc	305,122	359,126	389,453	357,271	385,278	381,105
All other	405,810	513,438	535,100	526,789	509,486	528,066
Deductions, total	1,160,284	1,408,612	1,504,212	1,490,036	1,661,225	1,641,318
Specific exemption	620,000	700,050	689,400	798,910	784,350	846,750
Charitable, public, and similar bequests	65,928	116,360	226,708	130,975	216,099	153,377
Property from an estate taxed within 5 years	67,713	88,811	71,065	73,482	71,857	85,128
Funeral and administrative expenses, debts, mortgages, etc	366,608	444,916	463,499	440,175	537,121	501,537
Insurance exemption	40,035	57,875	53,540	46,494	51,798	54,224
Net taxable estate [1]	1,261,602	1,621,008	1,951,969	1,735,840	1,943,429	2,268,328
Total tax	65,900	96,931	138,056	100,532	135,014	165,413
Tax credit [2]		10,707	36,732	59,601	94,453	122,110
Net tax	65,900	86,224	101,324	40,931	40,561	43,303
Average tax per return (dollars)	5,313	6,153	7,710	4,376	5,021	5,046
Average rate of tax on net taxable estate (per cent)	5.22	5.31	5.19	2.36	2.09	1.91

	1929: No net taxable estate	1929: Net estate of—					
		Under $50,000	$50,000–$200,000	$200,000–$600,000	$600,000–$1,000,000	$1,000,000–$5,000,000	$5,000,000 and over
Number of returns	1,824	2,288	2,321	1,412	358	338	41
Gross estate, total	277,306	349,039	598,794	756,429	385,685	821,837	654,424
Real estate	78,528	86,312	118,540	113,868	52,019	78,772	42,029
Bonds, exempt or partially exempt	8,805	14,207	24,243	35,703	31,445	84,068	41,265
Other bonds	15,853	28,813	51,773	71,916	29,443	43,002	22,341
Capital stock in corporations	70,800	103,041	224,599	335,965	184,168	462,916	479,307
Mortgages, notes, cash, etc	35,627	60,241	88,397	87,068	32,558	55,094	22,121
All other	67,693	56,425	91,242	111,909	56,052	97,385	47,361
Deductions, total	343,431	298,404	351,652	271,212	110,744	181,840	84,033
Specific exemption	177,300	223,900	230,800	140,050	35,900	33,800	4,100
Charitable, public, and similar bequests	35,372	10,012	20,742	17,574	16,932	36,017	17,028
Property from an estate taxed within 5 years	25,553	6,897	10,022	12,603	4,084	18,652	5,517
Funeral and administrative expenses, debts, mortgages, etc	95,203	48,545	76,776	88,185	48,430	87,366	57,032
Insurance exemption	10,003	9,050	12,412	11,900	4,498	6,005	356
Net taxable estate [1]	[3] 66,125	50,635	247,142	486,217	274,941	639,997	570,391
Total tax		507	4,239	14,845	11,778	44,429	89,585
Tax credit [2]		339	3,084	10,726	8,563	31,523	67,874
Net tax		168	1,185	4,119	3,215	12,906	21,711
Average tax per return (dollars)		73	510	2,917	8,981	38,184	529,531
Average rate of tax on net taxable estate (per cent)		0.33	0.48	0.85	1.17	2.02	3.81

[1] In arriving at grand total net taxable estate the grand total deductions are diminished by the deductions in excess of gross estate shown for 1929 in column "No net taxable estate."

[2] Credit for payments of estate, inheritance, legacy, or succession taxes actually made to any of the several States or Territories.

[3] Deductions in excess of gross estate.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

No. 205.—PUBLIC DEBT OF THE UNITED STATES: DEBT OUTSTANDING, BY SPECIFIC LOANS, JUNE 30, 1930

Title and authorizing act	Date of loan	When redeemable or payable	Rate of interest	Interest payable	Average price received	Amount authorized	Amount issued	Amount outstanding
INTEREST-BEARING DEBT								
Consols of 1930:			*Per cent*					
Act of Mar. 14, 1900	Apr. 1, 1900	After Apr. 1, 1930	2	Jan., Apr., July, and Oct. 1.	$100.5116	$839,146,340	$646,250,150	$599,724,050
Panama Canal Loan:								
Acts of June 28, 1902, and Dec. 21, 1905	Aug. 1, 1906	After Aug. 1, 1916; on Aug. 1, 1936.	2	Feb., May, Aug., and Nov. 1.	103.513	130,000,000	54,631,980	48,954,180
	Nov. 1, 1908	After Nov. 1, 1918; on Nov. 1, 1938.	2	do	102.436		30,000,000	25,947,400
Acts of Aug. 5, 1909; Feb. 4, 1910; and Mar. 2, 1911.	June 1, 1911	On June 1, 1961	3	Mar., June, Sept., and Dec. 1.	102.582	290,569,000	50,000,000	49,800,000
Postal Savings bonds:								
Act of June 25, 1910	Jan. 1, July 1, 1911–1930.	On and after 1 year; 20 years from issue.	2½	Jan. and July 1	Par	Indefinite.	19,224,720	19,224,720
Conversion bonds:								
Act of Dec. 23, 1913	Jan. 1, 1916 and 1917.	30 years from issue	3	Jan., Apr., July, and Oct. 1.	Exchange at par.		28,894,500	28,894,500
First Liberty Loan:								
First 3½'s, act of Apr. 24, 1917	June 15, 1917	On and after June 15, 1932; on June 15, 1947.	3½	June and Dec. 15	Par	5,638,945,460	1,989,455,550	1,392,256,250
First 4's, acts of Apr. 24, 1917, and Sept. 24, 1917.[1]	Nov. 15, 1917	do	4		Conversion at par.	1,989,455,550	568,318,450	5,005,450
First 4¼'s; same acts	May 9, 1918	do	4¼		do	1,989,455,550	555,212,300	532,798,500
First and second 4¼'s; same acts	Oct. 24, 1918	do	4¼		do	1,413,556,550	3,492,150	3,492,150
Fourth Liberty Loan:								
Act of Sept. 24, 1917[1]	do	On and after Oct. 15, 1933; on Oct. 15, 1938.	4¼	Apr. and Oct. 15	Par	12,016,484,950	6,964,581,100	6,268,251,550
Treasury bonds, act of Sept. 24, 1917:[1]								
4¼ per cent bonds of 1947–1952	Oct. 16, 1922	On and after Oct. 15, 1947; on Oct. 15, 1952.	4¼	do	Par	619,314,850	619,314,850	758,984,300
					Exchange at par.	144,647,450	144,647,450	
4 per cent bonds of 1944–1954	Dec. 15, 1924	On and after Dec. 15, 1944; on Dec. 15, 1954.	4	June and Dec. 15	Par	224,513,500	224,513,500	1,036,834,500
					Exchange at par.	532,420,300	532,420,300	
3¾ per cent bonds of 1946–1956	Mar. 15, 1926	On and after Mar. 15, 1946; on Mar. 15, 1956.	3¾	Mar. and Sept. 15	100.50	290,154,700	290,154,700	489,087,100
					100.50	494,898,100	494,898,100	

[1] As amended.

No. 205.—PUBLIC DEBT OF THE UNITED STATES: DEBT OUTSTANDING, BY SPECIFIC LOANS, JUNE 30, 1930—Continued

Title and authorizing act	Date of loan	When redeemable or payable	Rate of interest	Interest payable	Average price received	Amount authorized	Amount issued	Amount outstanding
INTEREST-BEARING DEBT—contd.								
Treasury bonds, act of Sept. 24, 1917 [1]—Contd.			*Per cent*					
3¾ per cent bonds of 1943–1947	June 15, 1927	On and after June 15, 1943; on June 15, 1947.	3¾	June and Dec. 15	$100.50 Exchange at par.	$249,598,300 245,256,450	$249,598,300 245,256,450	$493,037,750
3¾ per cent bonds of 1940–1943	July 16, 1928	On and after June 15, 1940; on June 15, 1943.	3¾	do	Par Exchange at par.	251,521,400 107,521,550	251,521,400 107,521,550	359,042,950
Treasury notes, act of Sept. 24, 1917: [1]								
Series A–1930–1932	Mar. 15, 1927	On and after Mar. 15, 1930; on Mar. 15, 1932.	3½	Mar. and Sept. 15	do		1,360,456,450	674,079,850
Series B–1930–1932	Sept. 15, 1927	On and after Sept. 15, 1930; on Sept. 15, 1932.	3½	do	Par Exchange at 100.125		250,522,600 368,973,100	500,311,700
Series C–1930–1932	Jan. 16, 1928	On and after Dec. 15, 1930; on Dec. 15, 1932.	3½	June and Dec. 15	Exchange at par.		607,399,650	451,723,950
Adjusted service—								
Series A–1931	Jan. 1, 1926	After Jan. 1, 1927; on Jan. 1, 1931.	4	Jan. 1	Par		53,500,000	46,900,000
Series B–1931	Mar. 5, 1926	After Mar. 5, 1927; on Jan. 1, 1931.	4	do	do		70,000,000	70,000,000
Series A–1932	Jan. 1, 1927	After Jan. 1, 1928; on Jan. 1, 1932.	4	do	do		123,400,000	123,400,000
Series A–1933	Jan. 1, 1928	After Jan. 1, 1929; on Jan. 1, 1933.	4	do	do		123,400,000	123,400,000
Series A–1934	Jan. 1, 1929	After Jan. 1, 1930; on Jan. 1, 1934.	4	do	do		127,700,000	127,700,000
Series A–1935	Jan. 1, 1930	After Jan. 1, 1931; on Jan. 1, 1935.	4	do	do	Not exceeding $7,500,000,000 outstanding at any one time.	137,800,000	137,800,000
Civil service retirement fund—								
Series 1931	Mar. 14, 1927	After Mar. 14, 1928; on June 30, 1931.	4	June 30	do		31,200,000	31,200,000
Series 1932	June 30, 1927	After June 30, 1928; on June 30, 1932.	4	do	do		14,400,000	14,400,000
Series 1933	Various dates from June 30, 1928.	After 1 year from date of issue; on June 30, 1933.	4	do	do		47,800,000	47,800,000
Series 1934	Various dates from July 1, 1929.	After 1 year from date of issue; on June 30, 1934.	4	do	do		35,800,000	35,800,000
Series 1935	June 30, 1930	After 1 year from date of issue; on June 30, 1935.	4	do	do		4,900,000	4,900,000

Foreign service retirement fund:								
Series 1933	Various dates from June 30, 1923.	After 1 year from date of issue; on June 30, 1932.	4	do	do		529,000	385,000
Series 1934	Various dates from July 1, 1929.	After 1 year from date of issue; on June 30, 1934.	4	do	do		454,000	454,000
Series 1935	June 30, 1930	After 1 year from date of issue; on June 30, 1935.	4	do	do		32,000	32,000
Certificates of indebtedness, act of Sept. 24, 1917: [1]								
Series TS–1930	Dec. 16, 1929	On Sept. 15, 1930	3⅛	Mar. and Sept. 15	Par	Not exceeding $10,000,000,000 outstanding at any one time.	351,640,500	351,640,500
Series TD–1930	Mar. 15, 1930	On Dec. 15, 1930	3¼	June and Dec. 15	do		483,341,000	483,341,000
Series TJ–1931	June 16, 1930	On June 15, 1931	2⅞	do	do		429,373,000	429,373,000
Treasury bills, act of Sept. 24, 1917: [1, 2]								
Series maturing July 14, 1930	Apr. 15, 1930	On July 14, 1930	[2] 2.933	July 14, 1930	99.267		51,316,000	51,316,000
Series maturing Aug. 18, 1930	May 19, 1930	On Aug. 18, 1930	[2] 2.544	Aug. 18, 1930	99.357		104,600,000	104,600,000
Total interest-bearing debt								15,921,892,350
Total matured debt on which interest has ceased.								31,715,370

Title and authorizing act	Authorized to be outstanding at one time	Issues or deposits, including reissues	Authorized to be outstanding at present time	Outstanding
NONINTEREST-BEARING DEBT				
Old demand notes: Acts of July 17, 1861; Aug. 5, 1861; Feb. 12, 1862	$60,000,000	[3] $60,030,000		$53,013
Fractional currency: Acts of July 17, 1862; Mar. 3, 1863; June 30, 1864	50,000,000	[3] 368,724,080		[4] 1,990,512
Legal-tender notes: Acts of Feb. 25, 1862; July 11, 1862; Mar. 3, 1863; May 31, 1878; Mar. 14, 1900; Mar. 4, 1907	450,000,000		$346,681,016	346,681,016
National-bank notes (redemption account—balance remaining of deposits by national banks to redeem their circulating notes): Act of July 14, 1890	Indefinite.			35,570,940
Thrift and Treasury savings stamps, unclassified sales, etc				3,444,187
Total noninterest-bearing debt				387,739,667
Total debt				16,341,347,387
Less gold reserve				156,039,088
Gross debt as shown on statement of the public debt June 30, 1930				16,185,308,299

[1] As amended.
[2] Treasury bills are noninterest bearing and are sold at a discount. The average sale price gives an approximate yield on a bank discount basis as above indicated.
[3] Including reissues.
[4] After deducting amounts officially estimated to have been lost or irrevocably destroyed.

Source: Annual Report of the Secretary of the Treasury.

No. 206.—PUBLIC DEBT OF THE UNITED STATES: 1800 TO 1931

[All figures except per capita in thousands of dollars]

June 30—	Gross debt [1]		Interest bearing [2]	Matured	Non-interest bearing [1]
	Amount	Per capita			
1800	82,976	$15.63	----------	----------	----------
1810	53,173	7.34	----------	----------	----------
1820	91,016	9.44	----------	----------	----------
1830	48,565	3.77	----------	----------	----------
1840	3,573	.21	----------	----------	----------
1850	63,453	2.74	----------	----------	----------
1855	35,588	1.32	35,418	170	----------
1860	64,844	2.06	64,683	161	----------
1866	2,755,764	77.69	2,322,116	4,436	429,212
1867	2,650,168	73.19	2,238,955	1,739	409,474
1868	2,583,446	69.87	2,101,326	1,246	390,874
1869	2,545,111	67.41	2,151,495	5,112	388,503
1870	2,436,453	63.19	2,035,881	3,570	397,003
1871	2,322,052	58.70	1,920,697	1,949	399,406
1872	2,209,991	54.44	1,800,794	7,927	401,270
1873	2,151,210	51.62	1,696,484	51,929	402,797
1874	2,159,933	50.47	1,724,931	3,216	431,786
1875	2,156,277	49.06	1,708,676	11,426	436,175
1876	2,130,846	47.21	1,696,685	3,902	430,258
1877	2,107,760	45.47	1,697,888	16,649	393,223
1878	2,159,418	45.37	1,780,736	5,594	373,089
1879	2,298,913	47.05	1,887,716	37,015	374,181
1880	2,090,909	41.69	1,709,993	7,621	373,295
1881	2,019,286	39.35	1,625,568	6,724	386,994
1882	1,859,916	35.37	1,449,810	16,261	390,845
1883	1,721,959	32.07	1,321,220	7,831	389,899
1884	1,625,307	29.60	1,212,564	19,656	393,088
1885	1,578,551	28.11	1,182,151	4,101	392,299
1886	1,555,660	27.10	1,132,014	9,704	413,941
1887	1,465,185	24.97	1,007,692	6,115	451,678
1888	1,384,632	23.09	936,522	2,496	445,613
1889	1,249,471	20.39	815,854	1,911	431,705
1890	1,122,397	17.92	711,313	1,816	409,268
1891	1,005,807	15.75	610,529	1,015	393,663
1892	968,219	14.88	585,029	2,786	380,404
1893	961,432	14.49	585,037	2,094	374,301
1894	1,016,898	15.04	635,042	1,851	380,005
1895	1,096,913	$15.91	716,202	1,722	378,989
1896	1,222,729	17.40	847,304	1,637	373,729
1897	1,226,794	17.14	847,365	1,347	378,082
1898	1,232,743	16.90	847,367	1,263	384,113
1899	1,436,701	19.33	1,046,049	1,218	389,434
1900	1,263,417	16.56	1,023,479	1,176	238,762
1901	1,221,572	15.71	987,141	1,416	233,016
1902	1,178,031	14.89	931,070	1,281	245,680
1903	1,159,406	14.40	914,541	1,205	243,659
1904	1,136,259	13.88	895,157	1,971	239,131
1905	1,132,357	13.60	895,158	1,370	235,829
1906	1,142,623	13.50	896,159	1,128	245,236
1907	1,147,178	13.33	894,834	1,087	251,257
1908	1,177,690	13.46	897,504	4,130	276,056
1909	1,148,315	12.91	913,317	2,884	232,114
1910	1,146,940	12.69	913,317	2,125	231,498
1911	1,153,985	12.28	915,353	1,880	236,752
1912	1,193,839	12.48	963,777	1,760	228,301
1913	1,193,048	12.26	965,707	1,660	225,682
1914	1,188,235	12.00	967,953	1,553	218,730
1915	1,191,264	11.83	969,759	1,507	219,998
1916	1,225,146	11.96	971,503	1,473	252,110
1917	2,975,619	28.57	2,712,549	14,232	248,837
1918	12,243,629	115.65	11,985,882	20,243	237,504
1919	25,482,034	240.09	25,234,496	11,109	236,429
1920	24,297,918	228.33	24,061,095	6,748	230,075
1921	23,976,251	221.82	23,737,352	10,940	227,959
1922	22,964,079	209.25	22,711,036	25,251	227,793
1923	22,349,688	200.86	22,007,591	98,172	243,925
1924	21,251,120	188.59	20,981,586	30,241	239,293
1925	20,516,272	179.80	20,210,906	30,243	275,123
1926	19,643,183	170.04	19,383,771	13,328	246,084
1927	18,510,174	158.28	18,260,944	14,707	244,523
1928	17,604,291	148.73	17,317,695	45,332	241,264
1929	16,931,198	141.34	16,638,941	50,751	241,505
1930	16,185,308	131.42	15,921,892	31,715	231,701
1931 [3]	16,801,281	134.40	16,519,589	51,819	229,874

Date	Gross debt [1]	Interest-bearing debt					Matured debt on which interest has ceased	Debt bearing no interest [1]
		Pre-war loans unmatured	Liberty and Treasury bonds	Notes (Victory, Liberty loan, and Treasury)	Certificates of indebtedness	Treasury savings securities [4]		
Apr. 5, 1917	1,281,969	1,023,557	----------	----------	----------	----------	1,459	256,952
June 30, 1917	2,975,629	973,357	1,466,335	----------	272,857	----------	14,232	248,837
June 30, 1918	12,243,629	966,106	8,963,714	----------	1,706,205	349,797	20,243	237,504
Aug. 31, 1919 [5]	26,594,268	883,463	16,219,399	4,113,405	4,201,209	931,302	9,914	235,576
June 30, 1920	24,297,918	883,549	15,334,836	4,246,365	2,768,926	827,419	6,748	230,075
June 30, 1921	23,976,251	883,728	15,235,216	4,224,972	2,699,330	694,105	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	243,925
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	765,316	16,076,974	2,404,241	578,685	385,690	30,243	275,123
June 30, 1926	19,643,183	765,860	16,162,418	1,612,404	483,279	359,810	13,328	246,084
June 30, 1927	18,510,174	766,550	14,453,845	2,019,195	702,096	309,259	14,707	244,523
June 30, 1928	17,604,291	768,138	12,252,685	2,900,001	1,252,408	144,469	45,332	241,264
June 30, 1929	16,931,198	770,207	11,354,495	2,861,012	1,640,200	13,028	50,751	241,505
Dec. 31, 1929	16,300,920	771,373	11,338,821	2,512,935	1,305,542	[6] 100,000	30,560	232,689
June 30, 1930	16,185,308	772,545	11,338,791	2,390,287	1,264,355	[6] 156,916	31,715	231,701
Dec. 31, 1930	16,026,087	773,812	11,338,757	2,341,781	1,191,906	[6] 127,455	22,295	230,081
June 30, 1931 [3]	16,801,281	776,155	12,754,368	620,908	1,923,578	[6] 444,580	51,819	229,874

[1] After deducting gold reserve.
[2] Exclusive of bonds issued to the Pacific railways and the Navy pension fund.
[3] Preliminary.
[4] Amounts outstanding of series of 1918, 1919, 1920, and 1921 (except issue of Dec. 15, 1921) are amounts issued on the basis of reports of sales or of cash receipts less amounts retired on the basis of redemption value. Amounts outstanding of all other series are the net redemption value. Includes net receipts from the sale of thrift stamps and Treasury savings stamps prior to June 30, 1926.
[5] Maximum figure.
[6] Treasury bills (maturity value).

Source: Annual reports of the Secretary of the Treasury.

No. 207.—PUBLIC DEBT OF THE UNITED STATES: SUMMARY OF TRANSACTIONS IN INTEREST-BEARING SECURITIES DURING THE FISCAL YEAR 1930

[All figures in thousands of dollars]

Account	Total	Pre-war bonds	Liberty and Treasury bonds	Treasury notes	Certificates of indebtedness	Treasury bills	Treasury (war) savings securities
Outstanding June 30, 1929	16, 638, 941	770, 207	11, 354, 495	2, 861, 012	1, 640, 200		13, 028
Issued during 1930:							
Upon original subscription against cash received	3, 695, 453	2, 338		178, 986	3, 201, 562	312, 024	543
Upon exchange, etc., for securities of equal par value retired—							
Exchange—							
Interim certificates	2, 104		4		2, 100		
Coupon for registered	266, 520	705	265, 815				
Registered for coupon	405, 796		405, 796				
Of denominations	1, 771, 084		313, 613	495, 971	959, 261	2, 240	
Temporary for permanent	509		509				
Mutilated for perfect [1]	60		59	1			
Transfer of ownership	102, 811	85, 893	76, 918	30, 000			
Upon adjudicated claims for replacement	252	8	241	3			
Total issued during 1930	6, 334, 589	88, 943	1, 062, 955	704, 961	4, 162, 923	314, 264	543
Retired during 1930:							
Account of redemption—							
Purchases—							
Cumulative sinking fund	388, 369		10, 150	378, 219			
Surplus money in the Treasury	145, 000			145, 000			
Repayment of principal by foreign governments	418		418				
Securities received for redemption—							
Gifts, forfeitures, or miscellaneous	48		30	18			
Estate taxes	73		73				
Franchise tax receipts, Federal reserve banks	4, 283				4, 283		
Franchise tax receipts, Federal intermediate credit banks	172				172		
Repayments of principal by foreign governments	91, 052		3, 043	37, 293	50, 717		
Interest payments on obligations of foreign governments	69, 456		1, 991	67, 465			
Prior to call or maturity	135, 206			16, 017	119, 249		
At maturity	3, 567, 213			5, 700	3, 392, 077	156, 046	13, 391
Account of exchange, etc., for securities of equal par value issued—							
Exchange—							
Interim certificates	2, 104		4		2, 100		
Coupon for registered	266, 520	705	265, 815				
Registered for coupon	405, 796		405, 796				
Of denominations	1, 771, 084		313, 613	495, 971	959, 261	2, 240	
Temporary for permanent	509		509				
Mutilated for perfect [1]	60		59	1			
Transfer of ownership	192, 811	85, 893	76, 918	30, 000			
Account of loss or destruction [2]	252	8	241	3			
Total retired during 1930	7, 040, 486	86, 606	1, 078, 660	1, 175, 686	4, 527, 858	158, 286	13, 391
Outstanding June 30, 1930	15, 933, 044	772, 545	11, 338, 791	2, 390, 287	1, 275, 264	155, 978	181
Deduct interest-bearing debt which matured during the year	11, 152				10, 910	62	181
Outstanding June 30, 1930 (per public debt statement)	15, 921, 892	772, 545	11, 338, 791	2, 390, 287	1, 264, 355	155, 916	

[1] Includes coupon error transactions.
[2] Covered by insurance or bonds of indemnity.

Source: Annual Report of the Secretary of the Treasury.

No. 208.—PUBLIC DEBT OF THE UNITED STATES: TRANSACTIONS DURING THE YEARS ENDED JUNE 30, 1917 TO 1930

[All figures in thousands of dollars]

	1917–1925	1926	1927	1928	1929	1930
Gross debt outstanding at beginning of period or year	1, 225, 146	20, 516, 272	19, 643, 183	18, 510, 174	17, 604, 291	16, 931, 198
Interest-bearing debt	971, 563	20, 210, 906	19, 383, 771	18, 250, 944	17, 317, 695	16, 638, 941
Matured debt on which interest has ceased	1, 473	30, 243	13, 328	14, 707	45, 332	50, 751
Debt bearing no interest (less gold reserve)	252, 110	275, 123	246, 084	244, 523	241, 264	241, 505
Public debt issues	91, 969, 480	3, 008, 357	5, 185, 083	6, 855, 341	5, 194, 342	3, 722, 970
Pre-war issues	73, 257	544	690	1, 583	2, 075	2, 338
Certificates of indebtedness	62, 245, 693	2, 355, 515	3, 145, 735	5, 419, 284	4, 637, 488	3, 201, 552
Treasury bills						312, 024
First Liberty loan	1, 039, 456					
Second Liberty loan	3, 807, 865					
Third Liberty loan	4, 175, 650					
Fourth Liberty loan	6, 964, 581					
Victory Liberty loan	4, 495, 373					
Treasury notes	4, 297, 744	123, 500	1, 529, 456	1, 365, 247	161, 077	178, 986
Treasury bonds	1, 811, 051	494, 898	467, 802	27, 053	359, 043	
Treasury (war) savings securities	1, 649, 779	11, 677	13, 572	17, 052	10, 015	550
National-bank notes, deposits for retirement	459, 012	22, 223	27, 828	25, 122	24, 644	27, 510
Public debt redemptions	72, 676, 333	3, 861, 447	6, 318, 092	7, 761, 224	5, 867, 435	4, 488, 880
Pre-war issues	278, 012	640	213	88	109	202
Certificates of indebtedness	61, 666, 296	2, 449, 743	2, 927, 254	4, 867, 363	4, 240, 027	3, 578, 968
Treasury bills						156, 040
First Liberty loan	37, 936	12, 307	54	4	5	5, 597
Second Liberty loan	703, 306	31	1, 798, 148	1, 273, 532	23, 143	4, 003
Third Liberty loan	1, 200, 273	397, 105	340, 608	918, 816	1, 208, 305	10, 788
Fourth Liberty loan	640, 100	0	27, 566	2, 863	15, 084	10, 108
Victory Liberty loan	4, 488, 604	2, 307	1, 282	959	497	290
Treasury notes	1, 873, 704	930, 485	1, 119, 512	490, 215	201, 477	649, 910
Treasury bonds	14	1	10, 000	150	12, 695	
Treasury (war) savings securities	1, 264, 060	33, 850	64, 162	178, 827	141, 055	15, 572
National-bank notes, retirements	430, 503	54, 400	28, 061	27, 687	24, 346	37, 270
Miscellaneous noninterest-bearing debt	4, 863	569	1, 233	619	1	1
Gross debt outstanding at close of period or year	20, 516, 272	19, 643, 183	18, 510, 174	17, 604, 291	16, 931, 198	16, 185, 308
Interest-bearing	20, 210, 906	19, 383, 771	18, 250, 944	17, 317, 695	16, 638, 941	15, 921, 892
Matured debt on which interest has ceased	30, 243	13, 328	14, 707	45, 332	50, 751	31, 715
Debt bearing no interest less gold reserve	275, 123	246, 084	244, 523	241, 264	241, 505	231, 701

No. 209.—PAYMENTS AND LOANS OF UNITED STATES TO CARRIERS

Section of transportation act of 1920, as amended, and character of transactions	To or as of—		
	Nov. 15, 1922	June 30, 1929	June 30, 1930
Payments to carriers under section 204 for reimbursement of deficits on account of Federal control:	*Dollars*	*Dollars*	*Dollars*
Partial payments	2, 177, 651	2, 207, 651	2, 207, 651
Final payments (less refunds of overpayments)	2, 961, 899	8, 760, 150	8, 760, 150
Total certified	5, 139, 550	10, 967, 802	10, 967, 802
Deductions [1]	972, 596	1, 921, 389	1, 921, 389
Payments to carriers under guaranty provided in section 209:			
Advances	263, 935, 874	263, 935, 874	263, 935, 874
Partial payments	168, 930, 412	169, 441, 912	169, 441, 912
Final payments (less refunds of overpayments)	17, 224, 517	98, 329, 331	98, 378, 260
Total	450, 090, 804	531, 707, 117	531, 756, 046
Payments by carriers to United States under section 209 (d) on account of excess earnings		446, 638	446, 638
Loans to carriers under section 210:			
Total loans made to date	317, 886, 667	350, 600, 667	350, 600, 667
Total repayments to date	98, 684, 546	293, 215, 875	301, 195, 692
Account outstanding	219, 202, 122	57, 384, 792	49, 404, 975

[1] Amount due from the carriers to the President on account of traffic balances or other indebtedness and payable to the Director General of Railroads as his agent. This amount should be deducted from the total certified to arrive at the amount paid to the carriers direct.

Source of Tables 208 and 209: Annual Report of the Secretary of the Treasury.

No. 210.—OBLIGATIONS OF FOREIGN GOVERNMENTS TO UNITED STATES: AMOUNT OF INDEBTEDNESS AND PAYMENTS RECEIVED ON ACCOUNT

[All figures in thousands of dollars]

Country	Total indebtedness, Dec. 31, 1929	Indebtedness, Dec. 31, 1930				
		Total	Funded		Unfunded	
			Principal (net)	Accrued interest [1]	Principal (net)	Estimated accrued interest
Total	11, 678, 093	11, 609, 030	11, 249, 319	32, 323	204, 852	122, 537
Armenia	17, 921	18, 460			11, 960	6, 500
Austria	[2] 24, 615	24, 040	24, 040			
Belgium	408, 180	404, 730	404, 730			
Czechoslovakia [3]	171, 571	168, 571	168, 571			
Estonia	16, 365	16, 466	13, 830	2, 636		
Finland	8, 659	8, 604	8, 604			
France	3, 000, 000	3, 865, 000	3, 865, 000			
Great Britain	4, 426, 000	4, 398, 000	4, 398, 000			
Greece	32, 231	31, 730	31, 730			
Hungary	1, 920	1, 909	1, 909			
Italy	2, 022, 000	2, 017, 000	2, 017, 000			
Latvia	6, 796	6, 889	5, 775	1, 114		
Lithuania [4]	6, 272	6, 235	6, 235			
Nicaragua	313	328			291	37
Poland	200, 396	206, 057	177, 485	28, 572		
Rumania [3]	65, 161	64, 561	64, 561			
Russia	298, 703	308, 601			192, 601	116, 000
Yugoslavia	62, 050	61, 850	61, 850			

Country	Payments to Dec. 31, 1930					Payments during year ended Dec. 31, 1930		
	Total	Funded indebtedness		Unfunded indebtedness [5]				
		Principal	Interest	Principal	Interest	Total	Principal	Interest
Total	2, 515, 013	422, 847	1, 136, 323	281, 990	671, 354	241, 394	77, 429	163, 965
Austria	575	575				288	288	
Belgium	46, 516	13, 050	12, 865	2, 058	18, 544	6, 450	3, 450	3, 000
Cuba [6]	12, 287			10, 000	2, 287			
Czechoslovakia	16, 804	16, 500			304	3, 000	3, 000	
Estonia	1, 001		1, 000		1	300		300
Finland	2, 826	396	2, 120		309	315	55	260
France	465, 401	160, 000	19, 325	64, 690	221, 386	54, 325	35, 000	19, 325
Great Britain	1, 845, 328	202, 000	1, 083, 750	202, 182	357, 397	160, 780	28, 000	132, 780
Greece	2, 647	767	718	3	1, 159	976	501	475
Hungary	440	74	365		1	99	12	58
Italy	84, 224	25, 000	1, 261	364	57, 599	6, 261	5, 000	1, 261
Latvia	531		400		131	100		100
Liberia [6]	36			26	10			
Lithuania	998	197	799		2	224	36	188
Nicaragua	169			141	28			
Poland	19, 555	1, 287	16, 220		2, 048	7, 507	1, 287	6, 220
Rumania	4, 062	2, 000		1, 799	263	600	600	
Russia	[7] 8, 749				[7] 8, 749			
Yugoslavia	2, 304	1, 000		728	636	200	200	

[1] Accrued and unpaid interest on funded debts due to exercise of options to pay specified amounts over first 5 years in lieu of total amounts due, for which bonds similar to those originally issued under funding agreement will be given upon expiration of the options for the full amount deferred.

[2] The act of Feb. 4, 1929, authorized the indebtedness of Austria in the amount of $24,615,000 to be funded as of Jan. 1, 1928. Payment of $288,000, the first installment of principal due, was made on Jan. 1, 1929, which amount was held in a special account until the agreement was actually concluded.

[3] Indebtedness includes deferred payments provided for in the funding agreement for which gold bonds of the debtor government have been or will be delivered to the Treasury.

[4] Increase in indebtedness over amount funded due to exercise of options to pay one-half of the interest due on original issue of bonds in bonds of debtor government.

[5] Payments of governments which have funded were made prior to the dates of the funding agreements.

[6] Cuba and Liberia have paid in full both principal and interest due on their obligations.

[7] Represents proceeds of liquidation of financial affairs of Russian Government in this country.

Source: Treasury Department.

No. 211.—SUMMARY OF SECURITIES OWNED BY THE UNITED STATES GOVERNMENT, AS OF JUNE 30, 1928 TO 1930

NOTE.—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; as, for example, securities held for the account of the Alien Property Custodian, the United States Government life insurance fund, and other similar trust funds.

[All figures in thousands of dollars]

Class of security	1928	1929	1930
Grand total	11,108,951	11,115,050	11,639,564
Foreign obligations	10,904,547	10,897,564	11,406,907
Received under debt settlements	7,198,880	7,257,928	11,086,120
All other [1]	3,705,667	3,639,636	320,787
Capital stock of war emergency corporations [2]	55,098	42,144	47,570
Emergency Fleet Corporation	24,314	13,020	20,073
U. S. Housing Corporation	30,684	29,024	27,397
U. S. Spruce Corporation	100	100	100
Railroad obligations	74,609	62,699	54,792
Capital stock of Panama R. R.	7,000	7,000	7,000
Capital stock of Inland Waterways Corporation	5,000	7,500	9,000
Capital stock of Federal land banks	556	383	293
Capital stock of Federal intermediate credit banks	25,000	30,000	30,000
Securities received by War and Navy Departments on account of sales of surplus war supplies and property	7,462	6,699	6,429
Securities received by U. S. Shipping Board on account of sales of ships, etc	29,680	61,062	77,573

[1] Figures do not include interest accrued and unpaid.

[2] Figures represent balance after offsetting the deposits made by the corporations with the Treasury against holdings of capital stock. Capital stock outstanding of the War Finance Corporation, which is in liquidation, was more than offset by deposits with the Treasury.

No. 212.—MONEY COST OF WORLD WAR TO UNITED STATES GOVERNMENT TO JUNE 30, 1930

NOTE.—Data, which are partly estimated, include expenditures during the war period taken as extending from Apr. 6, 1917, to June 30, 1921, and continuing costs, expenses of the Veterans' Bureau, interest on war debt, and construction of veterans' hospitals, to June 30, 1930. They make allowance for estimated normal expenditures under the War and Navy Departments, receipts on account of the sale of war supplies and surplus Government property, and assets held on June 30, 1921, except foreign obligations and amounts due from Germany account of army of occupation, which are taken as of June 30, 1930.

[All figures in thousands of dollars]

	Total war costs	Receipts	Assets June 30, 1921 (partly estimated)	Net war costs
Total	51,546,619	4,483,047	9,189,664	37,873,908
Military activities	16,283,569	981,574	452,402	14,849,594
Naval activities	3,480,782	24,439	55,000	3,401,343
War emergency corporations [1]	4,387,600	487,720	874,598	3,025,273
War expenditures under other departments and war agencies [2]	3,541,813	597,787	67,664	2,876,361
Interest on war debt to June 30, 1930	10,136,999			10,136,999
Foreign obligations (June 30, 1930)	[3] 9,610,404	2,391,518	[4] 7,740,000	[5] 521,115
Veterans' Bureau (continuing cost to June 30, 1930) [6]	4,055,201			4,055,201
Settlement of war claims act of 1928	50,252			50,252

[1] Includes data for War Finance Corporation revised to June 30, 1929, and of United States Shipping Board Emergency Fleet Corporation revised to June 30, 1930.

[2] Includes expenditures, receipts, etc., under Federal control of transportation systems and expenditures for hospital construction to June 30, 1930.

[3] Represents obligations acquired for cash advances under Liberty bond acts.

[4] Value June 30, 1930, on the basis of 4 per cent per annum, payable semiannually (approximately the average rate of interest United States is paying on its public debt), of payments to be received on all accounts under funding agreements, including the debts of Austria and Greece on a similar basis.

[5] Credit, deduct.

[6] Expenditures prior to 1922 by the War Risk Bureau are included with "War expenditures under other departments and war agencies."

Source of Tables 211 and 212: Annual Report of the Secretary of the Treasury.

10. STATE, MUNICIPAL, AND LOCAL GOVERNMENT FINANCES

No. 213.—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, 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 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)				
	1860	1880	1902	1912	1922	1860	1880	1902	1912	1922
Grand total	94,187	313,921	724,737	1,349,841	3,503,725	3.00	6.26	9.22	13.91	32.23
New England	13,565	42,492	76,308	127,232	270,516	4.33	10.60	13.39	18.53	35.59
Maine	2,257	5,182	6,856	8,987	22,295	3.59	7.99	9.78	11.86	28.83
New Hampshire	1,262	3,179	4,166	6,978	15,029	3.87	9.16	9.95	15.98	33.71
Vermont	908	1,745	1,911	4,020	9,188	2.88	5.25	5.52	11.17	26.07
Massachusetts	7,437	24,327	49,219	82,566	156,285	6.04	13.64	17.06	23.27	39.33
Rhode Island	686	2,693	6,133	8,192	19,925	3.93	9.74	13.65	14.13	32.12
Connecticut	1,015	5,366	8,021	16,489	47,794	2.21	8.62	8.53	13.95	33.30
Middle Atlantic	25,551	94,130	211,936	364,266	840,028	3.43	8.97	13.17	17.71	36.86
New York	15,303	56,303	132,711	221,467	454,878	3.96	11.09	17.49	22.80	42.72
New Jersey	1,458	8,958	20,956	49,424	145,355	2.17	7.02	10.54	17.98	44.27
Pennsylvania	8,730	28,779	58,269	93,375	239,795	3.00	6.72	8.95	11.52	26.70
East North Central	33,531	78,502	172,421	292,021	869,682	3.40	7.00	10.47	15.38	39.27
Ohio	9,611	25,757	47,460	76,697	224,423	4.11	8.05	11.15	15.45	37.63
Indiana	3,701	11,943	27,968	45,644	117,138	2.74	6.04	10.84	16.53	39.26
Illinois	6,122	24,586	53,013	84,834	250,380	3.58	7.99	10.56	14.37	37.60
Michigan	1,767	8,628	23,477	47,998	108,797	2.36	5.27	9.48	16.34	43.90
Wisconsin	2,330	7,588	20,503	36,848	108,944	3.00	5.77	9.61	15.23	40.45
West North Central	7,442	35,490	95,010	180,440	490,829	3.43	5.78	9.00	15.06	38.52
Minnesota	666	4,346	17,761	38,108	107,325	3.87	5.57	9.65	17.47	43.78
Iowa	2,378	11,062	22,603	36,570	105,842	3.52	6.81	10.17	16.45	43.36
Missouri	4,110	11,832	21,785	35,491	91,445	3.48	5.46	6.82	10.58	26.64
North Dakota		[1] 478	4,186	11,875	31,167		[2] 3.54	11.44	17.97	47.13
South Dakota			4,329	10,720	32,483			10.69	16.67	50.18
Nebraska	92	2,792	9,499	19,781	53,230	3.19	6.17	8.89	16.04	40.26
Kansas	196	4,980	14,847	27,895	69,331	1.83	5.00	10.14	16.55	38.83
South Atlantic	9,580	21,553	46,365	91,136	255,316	1.79	2.84	4.31	7.15	17.73
Delaware	206	604	1,317	1,791	4,841	1.83	4.12	7.00	8.61	21.20
Maryland	2,159	5,437	10,698	16,360	40,026	3.14	5.82	8.79	12.30	26.95
District of Columbia	260	1,469	3,351	5,399	12,366	3.47	8.27	11.62	15.51	28.26
Virginia	3,673	4,694	6,896	13,822	33,878	2.30	3.10	3.64	6.40	14.32
West Virginia		1,994	5,507	10,026	38,435		3.22	5.52	7.67	25.39
North Carolina	1,045	1,916	3,975	9,989	37,017	1.05	1.37	2.04	4.33	13.98
South Carolina	1,280	1,840	3,736	6,899	20,886	1.82	1.85	2.73	4.39	12.09
Georgia	798	3,014	8,204	18,414	35,673	.75	1.95	3.58	6.73	12.01
Florida	159	585	2,681	8,436	32,194	1.13	2.17	4.79	10.22	31.44
East South Central	5,057	11,996	27,167	51,663	125,781	1.26	2.15	3.50	5.95	13.98
Kentucky	2,148	5,201	10,462	17,669	37,322	1.86	3.15	4.74	7.56	15.28
Tennessee	1,103	2,516	7,626	14,112	35,127	.99	1.63	3.68	6.31	14.83
Alabama	851	2,062	4,899	9,971	22,684	.88	1.63	2.59	4.45	9.46
Mississippi	955	2,217	4,180	9,911	30,648	1.21	1.96	2.61	5.28	17.12
West South Central	6,129	10,794	29,985	77,723	222,351	3.51	3.24	4.35	8.17	21.05
Arkansas	635	1,839	4,446	10,621	17,476	1.46	2.29	3.30	6.40	10.77
Louisiana	4,961	4,386	8,478	14,432	41,562	7.01	4.67	5.91	8.27	22.65
Oklahoma			[3] 3,377	19,705	54,079			[3] 3.77	10.16	25.69
Texas	533	4,569	13,684	32,965	109,234	.88	2.87	4.26	7.90	22.60
Mountain	95	4,717	24,312	54,327	144,466	.54	7.22	13.76	18.45	41.23
Montana		384	4,092	11,245	26,008		9.80	15.53	26.83	43.94
Idaho		187	1,895	6,952	18,569		5.73	11.11	18.35	40.68
Wyoming		230	1,074	2,610	8,365		11.07	11.16	15.98	40.68
Colorado		2,152	10,741	16,931	44,588		11.07	19.34	19.17	45.75
New Mexico	30	164	1,410	3,426	8,805	.32	1.37	7.15	9.26	23.89
Arizona		293	1,635	4,358	15,352		7.25	12.59	18.88	42.54
Utah	65	435	2,848	6,529	17,711	1.61	3.02	9.81	16.13	37.82
Nevada		872	617	2,276	5,068		14.00	14.57	24.02	65.47
Pacific	3,237	14,247	41,235	111,033	284,756	7.29	12.78	16.42	23.28	48.61
Washington	57	505	9,003	31,205	66,283	4.94	6.73	16.43	23.21	47.13
Oregon	199	1,114	4,920	17,139	40,090	3.79	6.37	11.43	22.64	49.55
California	2,981	12,628	27,312	62,689	178,383	7.85	14.60	17.81	23.50	48.97

[1] Dakota Territory. [2] Oklahoma and Indian Territory combined.

Source: Bureau of the Census, Department of Commerce.

No. 214.—ASSESSED VALUATION OF PROPERTY SUBJECT TO GENERAL PROPERTY TAX, 1929

NOTE.—Data shown are taxable values of property subject to the general property tax for the use of State governments. 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

[All figures in millions of dollars]

Division and State	Total [1]	Real property	Personal property
Grand total	[2] 163,683	[2] 125,645	[2] 31,418
New England	13,065	11,001	1,970
Maine	744	598	146
New Hampshire	673	541	81
Vermont	327	230	54
Massachusetts	7,124	6,293	831
Rhode Island	1,394	918	476
Connecticut	2,803	2,421	382
Middle Atlantic	45,688	41,057	4,092
New York	25,333	25,018	315
New Jersey	6,682	5,359	834
Pennsylvania [2]	13,623	10,680	2,943
East North Central	42,704	31,409	9,350
Ohio	13,678	9,525	4,153
Indiana	5,107	3,742	1,425
Illinois	8,666	6,401	1,440
Michigan	8,634	6,739	1,462
Wisconsin	6,559	5,002	870
West North Central	13,306	12,949	4,095
Minnesota	2,359	1,710	649
Iowa	1,493	806	599
Missouri	4,679	3,553	632
North Dakota	991	718	273
South Dakota	1,755	1,358	274
Nebraska	3,292	2,401	891
Kansas	3,737	2,403	777
South Atlantic	12,747	8,297	3,648
Delaware [3]	275	275	([4])
Maryland	2,689	1,880	803
South Atlantic—Contd.			
Virginia [4]	[5] 2,342	1,324	1,018
West Virginia	2,076	1,199	365
North Carolina [2]	2,971	2,106	865
South Carolina	426	226	200
Georgia	1,311	779	320
Florida	657	502	77
East South Central	7,072	4,157	2,266
Kentucky	3,219	1,570	1,649
Tennessee	1,837	1,311	229
Alabama	1,241	783	227
Mississippi	775	493	161
West South Central	8,372	5,657	2,392
Arkansas	605	420	185
Louisiana	1,757	1,090	667
Oklahoma	1,791	1,135	333
Texas	4,219	3,012	1,207
Mountain	4,855	3,186	789
Montana	428	254	82
Idaho	487	341	30
Wyoming	448	239	95
Colorado	1,577	1,052	293
New Mexico	312	134	50
Arizona	685	614	03
Utah	701	379	127
Nevada	217	173	44
Pacific	10,924	7,932	2,816
Washington	1,246	1,003	243
Oregon	1,123	822	125
California [2]	8,555	6,107	2,448

[1] See headnote.
[2] No general property tax levied for State purposes in Pennsylvania, North Carolina, California, and Delaware, but assessed valuation of property for local taxation in these States is shown.
[3] Valuation of personal property included with that of real property.
[4] Only personal intangible and certain classes of public service corporations taxed for State purposes.
[5] Includes assessed valuation of $1,580,000,000 on which no State tax is levied.

No. 215.—PUBLIC DEBT: GROSS DEBT LESS SINKING FUND ASSETS OF ALL CLASSES OF GOVERNMENT ORGANIZATIONS IN THE UNITED STATES

NOTE.—For national debt (gross figure) for later years, see Table 206; for State debts, Table 222.

Government organization	1880	1890	1902	1912	1922
Total (thousands of dollars)	3,042,605	1,969,113	[1] 2,838,896	4,350,460	30,345,626
National [2]	1,919,327	851,013	969,457	1,028,564	22,155,886
States	274,746	211,210	[1] 239,369	345,942	935,544
Counties	124,105	145,048	196,565	371,528	1,272,790
Incorporated places and all other civil divisions	724,428	780,942	1,433,505	3,104,426	6,481,406
Per capita (dollars): [3]					
National [2]	38.27	13.60	12.22	10.59	203.78
States	5.48	3.37	3.03	3.57	8.64
Counties	2.47	2.51	2.80	4.33	13.18

[1] Revised figure.
[2] Gross debt less cash in the Treasury as of June 30, 1880, 1891, 1903, 1913, and 1923.
[3] Not computed for incorporated places and all other civil divisions.

Source of Tables 214 and 215: Bureau of the Census, Department of Commerce.

No. 216.—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

	1927			1928			1929		
	Amount (thousands of dollars)	Per capita (dollars)	Per cent of total	Amount (thousands of dollars)	Per capita (dollars)	Per cent of total	Amount (thousands of dollars)	Per capita (dollars)	Per cent of total
Revenue receipts, total	1,758,381	14.99	100.0	1,935,432	16.31	100.0	2,059,327	17.08	100.0
From taxes	1,355,127	11.55	77.1	1,507,220	12.70	77.9	1,611,961	13.35	78.3
General property taxes	370,435	3.16	21.1	381,171	3.21	19.7	350,233	2.90	17.0
Special taxes	301,942	2.57	17.2	338,925	2.86	17.5	401,214	3.32	19.5
Inheritance	105,947	.90	6.0	127,538	1.08	6.6	148,592	1.23	7.2
Income	54,959	.47	3.1	55,847	.47	2.9	74,596	.62	3.6
Bank and other corporation stock	75,649	.64	4.3	78,122	.66	4.0	82,750	.69	4.0
All other	65,387	.56	3.7	77,418	.65	4.0	95,276	.79	4.6
Poll taxes	3,426	.03	.2	3,854	.03	.2	3,542	.03	.2
Licenses	679,324	5.79	38.6	783,270	6.60	40.5	856,972	7.10	41.6
Special assessments	27,078	.23	1.5	34,341	.29	1.8	30,543	.25	1.5
Fines, forfeits, and escheats	7,912	.07	.4	8,584	.07	.4	7,909	.07	.4
Subventions, donations, and pension assessments	138,770	1.18	7.9	141,928	1.20	7.3	151,546	1.26	7.4
Interest, rents, and highway privileges	81,921	.70	4.7	85,198	.72	4.4	90,489	.75	4.4
Earnings of general departments	134,881	1.15	7.7	143,920	1.21	7.4	149,873	1.24	7.3
Earnings of public-service enterprises	12,692	.11	.7	14,241	.12	.7	17,006	.14	.8
Governmental-cost payments, total	1,726,989	14.72	100.0	1,889,173	15.92	100.0	2,061,016	17.08	100.0
Operation and maintenance	1,129,479	9.63	65.4	1,217,721	10.26	64.5	1,307,873	10.84	63.5
General departments	1,120,005	9.55	64.9	1,208,286	10.18	64.0	1,297,699	10.75	63.0
General government	99,759	.85	5.8	97,654	.82	5.2	114,366	.95	5.5
Protection to person and property	63,770	.55	3.7	70,138	.60	3.7	71,856	.59	3.5
Development and conservation of natural resources	64,598	.55	3.7	66,112	.55	3.5	69,559	.58	3.4
Health and sanitation	27,825	.24	1.6	29,475	.24	1.6	31,618	.26	1.5
Highways	170,793	1.46	9.9	204,482	1.72	10.8	219,265	1.82	10.6
Charities, hospitals, and corrections	193,225	1.65	11.2	201,831	1.70	10.7	215,627	1.79	10.5
Education	447,044	3.81	25.9	482,850	4.07	25.6	518,233	4.29	25.1
Recreation	4,039	.03	.2	4,003	.03	.2	4,613	.04	.2
Miscellaneous	48,952	.42	2.8	51,741	.44	2.7	52,562	.44	2.6
Public-service enterprises	9,474	.08	.5	9,435	.08	.5	10,174	.08	.5
Interest	78,722	.67	4.6	86,929	.73	4.6	94,137	.78	4.6
Outlays	518,788	4.42	30.0	584,523	4.92	30.9	659,006	5.46	32.0
Highway construction	404,164	3.44	23.4	458,092	3.86	24.2	532,732	4.41	25.8
All other	114,624	.98	6.6	126,431	1.07	6.7	126,274	1.05	6.1

No. 217.—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
1924	12.31	9.14	3.16	9.60	9.10	.50
1925	13.19	9.82	3.35	9.87	9.27	.60
1926	14.29	10.91	3.37	9.72	9.06	.66
1927	14.99	11.55	3.44	10.30	9.63	.67
1928	16.31	12.70	3.61	10.99	10.26	.73
1929	17.08	13.35	3.71	11.62	10.84	.78

Source of Tables 216 and 217: Bureau of the Census, Department of Commerce.

No. 218.—STATE FINANCES: Total Revenue Receipts and Govern

[All figures except per capita

Division and State	Revenue receipts						Governmental-cost payments for operation, maintenance, and interest		
			1928		1929				1928
	1915	1922	Total	General and special property taxes	Total	General and special property taxes	1915	1922	Total
Grand total	458,233	1,159,527	1,935,432	486,807	2,059,327	459,084	399,714	962,275	1,3046,50
New England	45,631	105,214	140,220	37,321	155,704	39,328	37,925	74,142	98,621
Maine	5,796	13,076	18,539	5,841	18,014	5,851	5,057	10,940	12,368
New Hampshire	2,418	6,537	8,878	2,997	9,693	2,929	1,599	4,413	7,245
Vermont	2,630	5,053	8,086	2,558	10,506	2,613	2,478	4,216	6,429
Massachusetts	24,051	51,339	59,348	16,403	65,069	17,902	19,011	33,629	43,184
Rhode Island	3,245	7,393	11,573	4,301	15,471	3,954	2,952	5,436	7,418
Connecticut	7,191	21,816	33,796	5,821	36,951	6,079	6,828	15,508	19,977
Middle Atlantic	104,957	263,212	476,599	117,861	517,722	104,615	96,097	226,775	335,442
New York	53,777	134,681	240,109	35,969	272,940	25,596	49,305	113,589	183,928
New Jersey	17,999	42,083	88,489	40,888	91,008	40,856	17,055	46,856	58,589
Pennsylvania	33,181	86,448	147,911	41,004	153,714	38,163	29,736	66,330	97,925
East North Central	91,377	223,612	338,178	109,146	345,945	90,429	74,310	199,930	213,698
Ohio	20,849	53,689	75,370	17,553	78,527	9,521	16,752	54,734	45,014
Indiana	10,706	25,588	44,745	12,044	48,882	11,820	9,743	19,016	27,865
Illinois	26,239	45,042	80,051	25,783	69,902	19,792	16,992	30,874	52,629
Michigan	17,703	61,738	92,220	44,154	94,533	39,303	16,916	69,777	57,709
Wisconsin	15,880	37,555	45,792	9,632	54,101	9,993	13,907	25,529	30,391
West North Central	56,898	148,176	233,122	57,693	242,940	59,139	46,473	127,341	145,408
Minnesota	19,470	42,262	59,566	11,464	63,041	13,950	13,692	29,708	39,037
Iowa	9,489	31,907	41,183	10,128	40,891	9,709	7,637	16,325	23,393
Missouri	10,001	26,871	45,014	8,358	50,130	9,175	8,875	40,047	27,466
North Dakota	3,801	8,752	18,722	4,017	18,716	3,582	3,551	8,009	14,428
South Dakota	3,204	11,059	18,000	4,638	18,257	4,900	3,015	14,117	12,089
Nebraska	5,116	14,944	23,632	10,820	19,977	7,759	4,207	8,611	12,404
Kansas	5,817	12,380	27,005	8,268	31,928	10,064	5,496	10,524	16,611
South Atlantic	37,902	111,596	216,653	33,357	232,491	34,476	35,672	91,064	141,751
Delaware	856	4,855	8,969	2,107	14,791	3,241	740	3,822	5,300
Maryland	7,497	18,463	27,553	6,873	28,165	7,400	6,750	13,533	20,049
Virginia	9,358	26,501	40,180	6,126	48,410	4,878	8,408	19,777	24,866
West Virginia	3,264	12,348	22,627	2,776	23,632	2,915	3,562	11,375	16,724
North Carolina	4,706	13,164	43,080	874	41,401	918	4,531	15,108	27,095
South Carolina	2,726	8,399	19,629	2,418	21,654	2,626	2,880	6,417	14,531
Georgia	6,385	17,317	27,998	6,630	28,136	6,755	6,206	12,137	16,712
Florida	3,107	10,548	26,617	5,553	26,302	5,743	2,595	8,895	16,474
East South Central	25,301	59,014	111,431	27,939	119,786	30,596	26,217	47,102	79,790
Kentucky	8,046	17,917	33,933	10,816	35,840	11,151	8,671	12,887	19,463
Tennessee	5,135	15,465	30,425	3,765	34,405	3,762	5,283	11,163	21,869
Alabama	7,178	15,382	29,624	8,952	30,802	9,442	7,338	12,532	22,887
Mississippi	4,942	11,150	17,449	4,406	18,739	6,241	4,925	10,520	15,571
West South Central	36,534	84,420	175,029	46,039	181,973	46,703	31,867	79,144	129,566
Arkansas	3,799	7,500	20,001	5,091	22,640	6,084	3,758	6,863	10,960
Louisiana	8,735	20,087	28,233	9,363	30,876	10,007	7,203	15,212	20,408
Oklahoma	5,276	14,974	33,655	4,144	33,727	3,666	4,979	12,695	18,967
Texas	18,724	41,859	93,140	27,441	94,730	26,856	15,927	44,374	70,236
Mountain	19,086	61,832	82,364	26,732	84,839	25,783	16,469	38,272	54,207
Montana	3,284	8,458	11,236	2,028	11,839	1,945	3,004	5,664	6,938
Idaho	2,078	5,767	8,277	2,370	8,377	2,034	1,800	4,295	5,312
Wyoming	1,243	6,599	9,694	1,283	8,765	1,731	1,005	2,862	5,442
Colorado	3,640	13,858	18,808	5,972	18,726	5,625	3,902	8,781	12,077
New Mexico	1,946	5,955	8,408	2,560	9,674	2,510	1,233	3,904	5,684
Arizona	2,248	9,427	9,628	6,030	10,503	5,331	1,919	4,854	6,890
Utah	3,712	8,531	12,380	5,124	12,235	5,158	2,549	6,779	9,076
Nevada	935	3,237	3,933	1,335	4,720	1,449	1,057	1,733	2,788
Pacific	40,547	101,553	161,836	30,089	177,927	28,015	34,684	78,505	108,187
Washington	11,367	22,485	35,292	16,007	35,311	13,353	7,996	13,908	21,506
Oregon	4,541	19,448	23,814	5,246	25,696	5,500	3,558	15,172	14,846
California	24,639	59,620	102,730	8,836	116,920	9,162	23,130	49,425	71,815

Source: Bureau of the Census, Department of Commerce.

MENTAL-COST PAYMENTS FOR OPERATION, MAINTENANCE, AND INTEREST

in thousands of dollars]

Governmental-cost payments for operation, maintenance, and interest—Contd.					Outlays for permanent improvements		Per capita revenue receipts		Per capita governmental-cost payments for operation, maintenance and interest		Division and State
1928—Contd.		1929									
Operation and maintenance	Interest	Total	Operation and maintenance	Interest	1928	1929	1928	1929	1928	1929	
1,217,721	86,929	1,402,010	1,307,873	94,137	584,523	659,006	$16.31	$17.06	$10.99	$11.62	U. S.
92, 548	4, 073	104, 607	100, 385	4, 223	41, 610	46, 830	17. 49	19. 24	12. 05	12. 93	N. E.
11, 415	953	13, 117	12, 189	928	6, 644	7, 392	23. 44	22. 69	15. 64	16. 52	Me.
7, 173	72	7, 969	7, 836	133	2, 229	3, 043	19. 28	20. 95	15. 74	17. 23	N. H.
6, 306	63	9, 815	9, 526	289	2, 999	6, 475	22. 59	29. 29	17. 96	27. 36	Vt.
41, 718	1, 466	45, 594	44, 262	1, 332	8, 585	10, 550	14. 20	15. 43	10. 33	10. 81	Mass.
6, 556	862	7, 878	6, 995	883	5, 616	5, 158	17. 21	22. 73	11. 03	11. 57	R. I.
19, 320	657	20, 234	19, 577	657	15, 537	14, 212	21. 70	23. 40	12. 82	12. 81	Conn.
313, 379	22, 063	358, 469	335, 801	22, 668	102, 786	121, 808	18. 78	20. 09	13. 22	13. 91	M. A.
169, 727	14, 201	197, 195	182, 389	14, 806	52, 830	56, 252	19. 84	22. 16	15. 20	16. 01	N. Y.
49, 974	3, 615	57, 978	54, 232	3, 746	25, 891	32, 865	23. 00	23. 15	13. 93	14. 74	N. J.
93, 678	4, 247	103, 296	99, 180	4, 116	24, 065	32, 691	15. 70	16. 16	10. 39	10. 86	Pa.
201, 999	11, 899	236, 334	223, 589	12, 745	101, 725	135, 633	13. 80	13. 80	8. 72	9. 50	E. N. C
44, 194	820	52, 210	51, 411	808	11, 260	13, 512	11. 60	11. 93	6. 93	7. 93	Ohio.
27, 773	92	29, 545	29, 445	100	16, 423	19, 641	14. 08	15. 24	8. 77	9. 21	Ind.
46, 524	6, 105	51, 056	43, 989	7, 067	36, 108	55, 967	10. 85	9. 33	7. 13	6. 82	Ill.
53, 233	4, 566	68, 203	63, 542	4, 661	22, 253	26, 813	20. 12	20. 12	12. 61	14. 51	Mich.
30, 275	116	35, 311	35, 202	109	15, 681	16, 700	15. 95	18. 65	10. 58	12. 17	Wis.
130, 892	14, 516	154, 891	140, 666	14, 225	72, 128	71, 356	17. 74	18. 38	11. 06	11. 72	W.N.C
34, 964	4, 103	40, 703	36, 724	3, 979	12, 915	10, 514	23. 59	24. 80	15. 47	16. 01	Minn.
22, 504	889	25, 966	25, 088	878	17, 255	16, 332	16. 77	16. 60	9. 52	10. 54	Iowa.
24, 248	3, 218	32, 048	28, 946	3, 102	14, 320	21, 383	12. 54	13. 88	7. 65	8. 87	Mo.
12, 553	1, 875	14, 375	12, 405	1, 970	3, 116	3, 632	27. 80	27. 66	21. 43	21. 24	N. Dak.
8, 890	3, 149	12, 902	9, 784	3, 118	3, 882	3, 482	26. 45	26. 61	17. 69	18. 81	S. Dak.
12, 264	140	12, 677	12, 674	3	8, 574	4, 734	17. 38	14. 60	9. 12	9. 27	Nebr.
15, 469	1, 142	16, 220	15, 045	1, 175	12, 006	11, 279	14. 55	17. 10	8. 95	8. 69	Kans.
127, 895	13, 856	148, 871	132, 936	15, 735	100, 299	79, 369	14. 51	15. 40	9. 49	9. 85	S. A.
4, 826	474	5, 885	5, 379	506	2, 558	3, 758	38. 16	62. 54	22. 55	24. 89	Del.
18, 661	1, 388	19, 718	18, 478	1, 240	9, 519	8, 493	17. 26	17. 45	12. 56	12. 22	Md.
23, 841	1, 025	26, 171	25, 120	1, 051	13, 351	11, 815	16. 76	20. 10	10. 37	10. 87	Va.
14, 263	2, 461	17, 620	15, 001	2, 628	14, 181	6, 106	13. 54	13. 93	10. 01	10. 39	W. Va.
19, 954	7, 141	30, 267	22, 584	7, 683	20, 253	17, 456	14. 19	13. 37	8. 92	9. 78	N. C.
14, 052	479	15, 570	14, 113	1, 457	15, 841	11, 607	11. 35	12. 48	8. 40	8. 98	S. C.
16, 382	330	17, 511	17, 187	324	11, 546	10, 221	9. 63	9. 68	5. 75	6. 02	Ga.
15, 916	558	16, 920	15, 074	846	13, 050	9, 913	19. 59	18. 69	12. 13	11. 31	Fla.
75, 139	4, 651	90, 781	84, 103	6, 678	57, 722	60, 942	11. 51	11. 81	8. 24	8. 95	E. S. C.
18, 835	628	22, 203	21, 581	622	16, 176	15, 589	13. 20	12. 15	7. 57	7. 53	Ky.
20, 856	1, 013	23, 219	21, 320	1, 899	14, 212	23, 292	11. 91	13. 32	8. 56	8. 99	Tenn.
20, 990	2, 197	26, 953	24, 163	2, 790	21, 792	16, 722	11. 45	11. 77	8. 84	10. 30	Ala.
14, 758	813	18, 406	17, 039	1, 367	5, 542	5, 339	8. 87	9. 42	7. 92	9. 26	Miss.
123, 836	5, 730	136, 022	129, 720	6, 302	49, 030	69, 132	14. 85	15. 20	10. 99	11. 36	W. S. C.
15, 266	4, 694	20, 458	15, 351	5, 107	10, 888	23, 131	10. 92	12. 29	10. 90	11. 11	Ark.
19, 612	791	24, 195	23, 176	1, 019	8, 511	11, 283	13. 77	14. 85	9. 95	11. 64	La.
18, 857	110	22, 873	22, 774	99	15, 555	10, 338	14. 54	14. 34	8. 19	9. 73	Okla.
70, 101	135	68, 496	68, 419	77	14, 076	24, 380	16. 67	16. 61	12. 57	12. 01	Tex.
51, 812	2, 395	57, 287	54, 680	2, 607	24, 853	26, 371	22. 71	23. 19	14. 94	15. 66	Mt.
6, 532	406	7, 377	6, 981	396	3, 574	4, 361	20. 80	21. 96	12. 85	13. 69	Mont.
4, 946	366	4, 990	4, 643	347	3, 302	2, 502	18. 70	18. 88	12. 00	11. 25	Idaho.
5, 298	144	5, 588	5, 500	88	3, 198	2, 471	44. 16	39. 40	24. 79	25. 11	Wyo.
11, 519	558	12, 892	12, 379	513	5, 455	4, 821	18. 46	18. 29	11. 86	12. 59	Colo.
5, 402	282	6, 338	5, 700	638	3, 970	5, 175	20. 53	23. 28	13. 88	15. 25	N. Mex.
6, 794	96	7, 701	7, 606	95	1, 902	3, 565	23. 20	24. 82	16. 67	18. 20	Ariz.
8, 620	450	9, 713	9, 267	446	2, 031	1, 807	25. 01	24. 44	18. 34	19. 40	Utah.
2, 695	93	2, 688	2, 604	84	1, 421	1, 669	44. 34	52. 38	31. 43	29. 83	Nev.
100, 221	7, 946	114, 948	105, 993	8, 955	34, 370	47, 565	21. 25	22. 60	14. 20	14. 60	Pac.
20, 739	767	24, 887	23, 130	757	10, 188	12, 902	23. 33	23. 03	14. 21	15. 58	Wnsh.
12, 519	2, 327	15, 622	12, 703	2, 919	6, 966	7, 713	25. 87	27. 42	16. 13	16. 67	Oreg.
66, 963	4, 852	76, 439	70, 160	5, 279	17, 216	26, 950	19. 82	21. 64	13. 86	13. 96	Calif.

No. 219.—DEBT OF STATE GOVERNMENTS: GROSS DEBT LESS SINKING FUND ASSETS

NOTE.—For details of public debt in 1929 see Table 220

Division and State	Total (thousands of dollars)					Per capita (dollars)				
	1902	1912	1922	1928	1929	1902	1912	1922	1928	1929
Grand total	[1] 234,985	345,942	935,544	1,733,777	1,850 306	2.99	3.57	8.64	14.61	15.38
New England	74,961	95,570	110,458	114,381	117,387	13.06	13.92	14.53	14.27	14.51
Maine	2,785	1,255	12,906	20,964	21,681	3.97	1.67	16.69	26.50	27.31
New Hampshire	1,551	1,956	3,018	2,055	3,952	3.71	4.50	6.77	4.46	8.54
Vermont	363	570	2,112	6,701	9,168	1.05	1.58	5.99	18.72	25.50
Massachusetts	65,964	79,551	76,996	63,959	62,228	22.87	22.78	19.38	15.31	14.76
Rhode Island	2,620	5,127	9,338	17,988	18,332	5.83	9.02	15.05	26.74	26.93
Connecticut	1,678	7,111	6,088	2,714	2,026	1.78	6.12	4.24	1.68	1.28
Middle Atlantic	8,576	86,847	252,865	412,939	405,722	.53	4.22	11.04	16.27	15.75
New York	8,187	86,205	186,542	259,658	255,986	1.08	9.05	17.52	21.45	20.78
New Jersey	[2]	642	16,355	64,153	64,041	------	.24	4.98	16.68	16.28
Pennsylvania	389	[2]	49,968	89,128	85,695	.06	------	5.56	9.46	9.01
East North Central	18,598	18,105	99,446	248,638	285,512	1.13	.95	4.49	10.14	11.47
Ohio	4,685	5,142	30,143	16,300	13,167	1.10	1.05	5.05	2.51	2.00
Indiana	2,914	1,350	2,325	2,642	3,694	1.13	.49	.78	.83	1.15
Illinois	2,155	2,273	13,880	151,539	193,697	.43	.39	2.08	20.54	25.72
Michigan	6,506	7,089	50,934	76,593	74,490	2.65	2.41	13.25	16.71	15.85
Wisconsin	2,278	2,251	2,164	1,564	1,464	1.07	.93	.80	.54	.50
West North Central	10,233	8,180	74,681	147,153	141,236	.97	.68	5.86	11.20	10.69
Minnesota	1,755	1,345	20,308	9,922	7,576	.95	.63	8.28	30.29	2.98
Iowa	50	357	1,457	20,061	17,619	.02	.16	.60	8.17	7.15
Missouri	4,366	4,671	30,456	69,159	73,412	1.37	1.40	8.87	19.26	20.32
North Dakota	968	820	5,913	5,040	4,201	2.64	1.29	8.97	7.48	6.21
South Dakota	457	370	15,431	16,243	13,108	1.08	.58	23.84	23.87	19.11
Nebraska	2,005	374	1,038	843	------	1.88	.31	.78	.62	.62
Kansas	632	243	78	25,885	24,477	.43	.14	.04	13.94	13.11
South Atlantic	51,645	51,942	123,630	355,215	371,888	4.86	4.07	8.85	23.79	24.62
Delaware	762	763	5,834	8,440	6,484	4.05	3.70	25.55	35.95	27.42
Maryland	4,943	7,334	22,129	25,414	27,496	4.06	5.56	14.90	15.92	17.04
Virginia [3]	23,546	22,043	21,756	27,330	27,946	12.76	10.46	9.19	11.40	11.60
West Virginia [3]	------	------	24,181	55,252	64,541	------	------	15.97	33.07	38.04
North Carolina	6,755	8,059	34,713	171,960	175,961	3.47	3.54	13.11	56.04	56.55
South Carolina	6,730	6,190	8,729	44,558	47,618	4.88	3.08	5.05	25.77	27.46
Georgia	7,876	6,934	5,419	11,089	10,341	3.44	2.57	1.82	4.02	3.56
Florida	1,033	619	869	10,547	12,351	1.84	.77	.85	7.76	8.78
East South Central	35,880	33,846	56,964	119,026	166,842	4.62	3.89	6.33	12.29	16.46
Kentucky	2,291	4,441	7,745	11,145	12,422	1.04	1.90	3.17	4.33	4.21
Tennessee	17,985	11,812	19,142	29,341	57,581	8.08	5.32	8.08	11.48	22.30
Alabama	12,727	13,132	15,233	58,592	69,712	6.73	5.05	6.36	22.04	26.54
Mississippi	2,877	4,461	14,864	19,948	27,127	1.79	2.41	8.30	10.14	13.64
West South Central	19,287	26,309	28,493	112,927	142,311	2.80	2.77	2.70	9.58	11.88
Arkansas	1,191	1,236	2,722	82,475	100,630	.88	.76	1.52	45.02	54.63
Louisiana	13,503	13,546	14,329	19,519	29,572	9.48	7.89	8.08	9.52	14.22
Oklahoma	510	6,931	4,797	3,998	4,477	1.10	3.74	2.28	1.73	1.90
Texas	3,993	4,656	6,145	6,935	7,632	1.24	1.14	1.27	1.24	1.34
Mountain	11,322	19,273	50,548	45,812	44,641	6.41	4.51	14.43	12.63	12.20
Montana	1,204	1,513	7,579	8,423	7,457	4.57	3.73	12.80	15.60	13.84
Idaho	324	2,143	7,673	6,554	6,353	1.84	5.92	16.81	14.81	14.32
Wyoming	301	122	4,011	2,483	2,342	3.12	.77	19.50	11.31	10.53
Colorado	3,797	3,174	12,019	11,619	10,622	6.72	3.70	12.33	11.41	10.37
New Mexico	999	1,218	4,954	5,879	7,435	4.94	3.41	13.44	14.36	17.89
Arizona	3,099	3,965	2,740	2,006	2,804	23.86	13.28	7.59	4.85	6.62
Utah	974	1,430	9,819	6,766	6,075	3.36	3.62	20.97	13.67	12.13
Nevada	624	608	1,751	2,082	1,553	14.70	6.70	22.62	23.47	17.24
Pacific	4,463	11,810	138,441	177,686	180,817	1.77	2.48	23.63	23.33	22.97
Washington	1,272	1,556	13,191	13,562	13,900	2.31	1.21	9.38	8.96	9.07
Oregon	236	31	39,983	34,487	32,144	.54	.04	49.42	37.47	34.30
California	2,955	10,223	85,267	129,637	134,773	1.92	3.83	23.41	25.01	24.95

[1] Revised figure $239,309,000, not distributed by States.
[2] Sinking-fund assets exceed total debt.
[3] Virginia-West Virginia debt settlement not made until 1919.

Source: Bureau of the Census, Department of Commerce.

No. 220.—DEBT OF STATE GOVERNMENT: BY CLASSES, 1929

[All figures, except per capita, in thousands of dollars]

Division and State	Gross debt at close of year								Sinking fund assets
	Total		Funded or fixed	Floating		Special assessment bonds and certificates	Current		
	Amount	Per capita		Debt to public trust funds	All other		Revenue bonds and notes	Warrants	
Grand total	2,300,057	$19.08	1,971,170	37,668	46,677	116,915	88,388	41,239	443,751
New England	197,627	24.42	103,385	2,333	80	91,429	250	150	80,240
Maine	21,692	27.33	20,250	1,256	----	----	150	36	11
New Hampshire	3,952	8.54	2,775	1,077	----	----	100	----	----
Vermont	9,168	25.56	9,088	----	80	----	----	----	----
Massachusetts	123,793	23.35	32,364	----	----	91,429	----	----	61,505
Rhode Island	22,617	33.23	22,617	----	----	----	----	----	4,285
Connecticut	16,405	10.39	16,291	----	----	----	----	114	14,379
Middle Atlantic	543,701	21.10	537,044	821	4,373	----	571	392	137,979
New York	360,967	29.30	355,223	688	4,853	----	196	7	104,981
New Jersey	88,232	22.43	88,100	116	----	----	----	16	24,191
Pennsylvania	94,502	9.93	93,721	17	20	----	375	369	8,807
East North Central	311,965	12.54	284,964	14,530	----	----	218	12,253	26,453
Ohio	14,031	2.22	7,502	5,534	----	----	----	1,595	1,404
Indiana	3,738	1.17	2,411	----	----	----	218	1,109	44
Illinois	134,793	26.00	109,337	1,814	----	----	----	2,642	2,035
Michigan	97,330	20.71	83,250	7,182	----	----	----	6,907	22,849
Wisconsin	1,464	.50	1,464	----	----	----	----	----	----
West North Central	274,569	20.78	253,512	4,399	2,152	----	2,735	6,771	133,333
Minnesota	57,788	22.73	50,219	----	----	----	----	1,569	50,212
Iowa	18,636	7.57	15,669	----	1,802	----	402	763	1,017
Missouri	75,218	20.82	70,567	4,399	----	----	----	252	1,806
North Dakota	37,512	55.43	34,607	----	----	----	2,333	572	33,311
South Dakota	58,329	85.03	56,950	----	350	----	----	1,029	45,221
Nebraska	843	.62	----	----	----	----	----	843	----
Kansas	26,243	14.05	24,500	----	----	----	----	1,743	1,766
South Atlantic	392,507	25.99	314,188	679	39,287	11,934	23,501	2,918	20,669
Delaware	12,391	52.39	12,391	----	----	----	----	----	5,907
Maryland	30,409	18.84	30,328	----	----	----	81	----	2,913
Virginia	29,992	12.45	29,505	175	69	----	285	958	2,046
West Virginia	65,907	38.84	65,194	----	----	----	713	----	1,366
North Carolina	182,933	59.09	168,143	164	----	----	13,195	1,431	7,872
South Carolina	47,915	27.62	4,922	250	35,978	----	6,710	55	297
Georgia	10,444	3.53	4,705	90	3,240	----	2,409	----	103
Florida	12,516	8.89	----	----	----	11,934	108	474	165
East South Central	169,132	16.68	113,492	12,200	----	----	40,213	3,228	2,290
Kentucky	12,744	4.32	22	2,481	----	----	10,215	26	322
Tennessee	57,581	22.30	29,082	2,527	----	----	24,700	1,272	----
Alabama	69,713	20.64	61,215	4,812	----	----	1,797	1,889	1
Mississippi	29,094	14.63	23,173	2,380	----	----	3,509	41	1,967
West South Central	142,755	11.92	125,594	1,983	----	----	7,845	7,333	444
Arkansas	100,637	54.63	93,299	----	----	----	5,531	1,807	7
Louisiana	29,822	14.34	25,462	1,983	----	----	2,183	194	250
Oklahoma	4,664	1.98	2,466	----	----	----	----	2,198	187
Texas	7,632	1.34	4,367	----	----	----	131	3,134	----
Mountain	54,632	14.93	36,935	----	----	2,774	10,869	4,054	9,991
Montana	9,929	18.42	5,630	----	----	----	3,512	787	2,472
Idaho	7,297	16.45	5,176	----	----	----	1,908	213	944
Wyoming	2,649	11.91	1,900	----	----	----	609	140	307
Colorado	11,332	11.07	9,936	----	----	----	1,093	303	710
New Mexico	7,832	18.84	2,908	----	----	872	3,240	812	997
Arizona	3,506	8.28	489	----	----	1,902	----	1,115	702
Utah	10,438	20.85	9,595	----	----	----	507	236	4,363
Nevada	1,649	18.30	1,201	----	----	----	----	448	96
Pacific	213,169	27.08	197,056	723	285	10,778	187	4,140	32,352
Washington	15,507	10.11	13,800	----	(1)	----	----	1,707	1,607
Oregon	62,170	66.34	61,531	----	----	----	172	467	30,026
California	135,492	25.08	121,725	723	285	10,778	15	1,966	719

[1] Less than $500.

Source: Bureau of the Census, Department of Commerce.

No. 221.—FUNDED, FLOATING, AND SPECIAL ASSESSMENT DEBT AT CLOSE OF YEAR: BY PURPOSE FOR WHICH INCURRED, 1929

NOTE.—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

[All figures in thousands of dollars]

Division and State	Total	General government properties	Agricultural purposes	Highways		Charities, hospitals, and corrections [1]	Schools	Soldiers' and sailors' aid and homes	Other general purposes	For public service enterprises and investments
				Roadways	All other					
Grand total	2,172,430	28,763	3,997	904,173	186,618	30,747	47,925	243,882	386,329	249,996
New England	197,227	6,598	----	16,516	10,053	11,545	2,157	4,286	128,290	17,779
Maine	21,506	----	----	11,928	2,385	50	218	900	1,875	4,150
New Hampshire	3,852	----	----	----	----	414	97	----	3,341	----
Vermont	9,169	60	----	----	----	----	582	888	7,559	80
Massachusetts	123,793	780	----	2,850	2,886	7,189	----	----	97,510	12,578
Rhode Island	22,616	5,753	----	1,738	4,785	3,892	1,260	2,500	1,714	971
Connecticut	16,291	----	----	----	----	----	----	----	16,291	----
Middle Atlantic	542,736	6,126	----	231,271	160,712	12,258	409	48,000	45,362	38,600
New York	360,764	6,126	----	107,050	151,712	12,258	30	36,000	44,988	2,600
New Jersey	88,216	----	----	31,000	9,000	----	----	12,000	216	36,000
Pennsylvania	93,758	----	----	93,221	----	----	379	----	158	----
East North Central	299,493	----	1,825	189,019	5,000	407	1,230	33,750	18,250	12
Ohio	13,035	----	----	----	----	----	----	7,500	5,535	----
Indiana	2,411	----	825	----	----	407	1,179	----	----	----
Illinois	192,152	----	----	139,019	5,000	----	51	46,250	1,820	12
Michigan	90,431	----	1,000	50,000	----	----	----	30,000	9,431	----
Wisconsin	1,464	----	----	----	----	----	----	----	1,464	----
West North Central	295,063	25	----	59,000	350	----	1,831	62,855	7,695	133,307
Minnesota	50,219	25	----	----	----	----	1,536	2,110	1,298	51,250
Iowa	17,471	----	----	----	----	----	200	15,273	1,998	----
Missouri	74,966	----	----	55,500	----	----	95	14,972	4,399	----
North Dakota	34,607	----	----	----	----	----	----	----	----	34,607
South Dakota	57,300	----	----	3,500	350	----	----	6,000	----	47,450
Nebraska	----	----	----	----	----	----	----	----	----	----
Kansas	24,500	----	----	----	----	----	----	24,500	----	----
South Atlantic	366,090	1,862	----	243,137	----	685	19,963	----	96,043	4,400
Delaware	12,392	----	----	11,530	----	50	582	----	230	----
Maryland	30,328	----	----	18,454	----	62	689	----	11,123	----
Virginia	28,749	----	----	7,428	----	13	3,049	----	18,259	----
West Virginia	65,194	----	----	59,210	----	----	----	----	5,984	----
North Carolina	168,307	1,393	----	110,999	----	500	15,635	----	39,720	----
South Carolina	41,150	462	----	35,516	----	----	----	----	5,172	----
Georgia	8,036	7	----	----	----	----	8	----	3,621	4,400
Florida	11,934	----	----	----	----	----	----	----	11,934	----
East South Central	125,692	1,375	----	42,399	10,500	2,322	5,936	----	53,160	10,000
Kentucky	2,502	----	----	----	----	----	15	----	2,487	----
Tennessee	31,609	1,375	----	----	10,500	322	4,062	----	15,350	----
Alabama	60,028	----	----	42,399	----	----	259	----	13,370	10,000
Mississippi	25,553	----	----	----	----	2,000	1,600	----	21,953	----
West South Central	127,577	----	----	96,945	----	1,413	2,020	7,659	19,410	100
Arkansas	93,299	----	----	84,521	----	486	1,025	5,600	1,667	----
Louisiana	27,445	----	----	12,424	----	927	----	2,089	12,005	----
Oklahoma	2,466	----	----	----	----	----	730	----	1,736	----
Texas	4,367	----	----	----	----	----	265	----	4,002	100
Mountain	39,708	3,753	----	22,044	----	2,117	4,366	----	6,928	----
Montana	5,630	604	----	----	----	1,251	3,775	----	----	----
Idaho	5,176	1,300	----	2,714	----	441	555	----	166	----
Wyoming	1,900	----	----	1,900	----	----	----	----	----	----
Colorado	9,936	----	----	7,490	----	----	----	----	2,446	----
New Mexico	3,779	249	----	2,280	----	----	125	----	1,125	----
Arizona	2,391	----	----	----	----	20	----	----	2,371	----
Utah	9,695	1,600	----	7,260	----	----	300	----	535	----
Nevada	1,201	----	----	400	----	405	111	----	285	----
Pacific	208,842	9,026	2,172	93,042	(2)	----	9,513	87,300	11,191	45,798
Washington	13,800	4,000	----	----	(2)	----	----	9,800	----	----
Oregon	61,531	36	2,172	30,892	----	----	436	27,500	45	450
California	133,511	4,990	----	62,950	----	----	9,077	----	11,146	45,348

[1] Includes tuberculosis hospital.

[2] Less than $500.

Source: Bureau of the Census, Department of Commerce.

No. 222.—DEBT OF STATE GOVERNMENTS: GROSS DEBT, SINKING FUND ASSETS, AND GROSS 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 sinking fund assets	
	Total	Funded or fixed [1]	Floating				Amount	Per capita
			Debt to public trust funds	Other floating [3]	Current [1, 2]			
1880	306,017	261,096	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
1902 [4]	274,140	163,819	40,803	----------	69,522	34,859	[5] 239,369	3.03
1905	278,135	228,331	38,252	----------	11,052	39,265	238,870	2.85
1910	322,040	271,607	39,436	----------	11,856	66,814	[5] 256,143	2.78
1912	422,797	290,494	38,530	----------	93,773	76,981	[5] 345,942	3.57
1915	532,713	403,156	33,508	147	95,902	88,038	444,676	4.52
1917	632,309	487,545	40,990	1,294	102,480	104,844	527,465	5.18
1918	657,542	509,113	40,630	944	106,855	125,905	531,637	5.14
1919	693,623	547,846	40,648	612	105,017	146,677	546,946	5.20
1922	1,162,648	985,859	([6])	[3] 42,068	134,721	227,105	935,543	8.64
1923	1,288,830	1,083,564	38,552	6,980	159,734	254,882	1,033,948	9.43
1924	1,592,643	1,358,932	43,459	1,490	193,762	310,943	1,281,700	11.52
1925	1,745,651	1,508,127	46,306	1,225	189,993	346,687	1,398,964	12.42
1926	1,858,037	1,609,764	39,635	13,143	195,495	378,056	1,479,981	12.77
1927	1,995,428	1,725,729	39,378	34,903	195,418	401,697	1,593,731	13.50
1928	2,144,332	1,867,291	38,477	42,191	196,373	410,555	1,733,777	14.61
1929	2,300,057	1,971,170	37,668	46,677	244,542	443,751	1,856,306	15.38

[1] 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 to 1900, 1905, and 1910, when no segregation could be made.
[2] Includes special assessment debt, revenue bonds and notes, and warrants.
[3] Not segregated prior to 1915; included with funded and fixed.
[4] Revised figures. [5] Debt to public trust funds included with "Other floating."
[6] There was an excess of sinking fund assets over gross debt in one State.

No. 223.—LOCAL GOVERNMENT DEBT BY CLASSES OF CIVIL DIVISIONS: GROSS DEBT LESS SINKING FUND ASSETS, 1922

NOTE.—All figures in thousands of dollars. For combined total, see Table 224

Division and State	Counties	Incorporated places	All other civil divisions	Division and State	Counties	Incorporated places	All other civil divisions
Grand total	1,272,790	4,703,322	1,778,084	**South Atlantic—Continued.**			
New England	14,557	395,823	29,871	Virginia	22,102	75,023	234
Maine	2,540	14,967	12,038	West Virginia	24,859	10,699	10,773
New Hampshire	621	9,814	2,670	North Carolina	67,012	67,299	13,687
Vermont	136	6,295	3,451	South Carolina	21,556	20,747	7,978
Massachusetts	9,764	242,362	820	Georgia	22,810	34,370	1,430
Rhode Island	----------	39,901	----------	Florida	29,270	39,435	28,695
Connecticut	1,490	82,484	10,892	**East South Central**	89,729	150,384	73,456
Middle Atlantic	190,130	1,968,322	205,114	Kentucky	12,340	25,880	4,554
New York	45,886	1,407,238	44,154	Tennessee	43,528	65,686	4,981
New Jersey	73,854	256,238	35,725	Alabama	24,025	35,940	----------
Pennsylvania	70,390	304,846	125,235	Mississippi	9,836	22,878	63,921
East North Central	272,348	832,359	448,402	**West South Central**	142,713	243,205	290,135
Ohio	94,490	348,412	196,398	Arkansas	4,680	3,065	80,813
Indiana	77,115	30,484	42,868	Louisiana	19,943	61,205	30,969
Illinois	28,632	171,283	150,224	Oklahoma	21,850	60,800	42,530
Michigan	42,632	218,152	50,060	Texas	96,240	118,135	135,823
Wisconsin	29,479	64,028	8,852	**Mountain**	81,151	120,763	120,316
West North Central	185,524	309,751	281,587	Montana	27,340	16,178	14,132
Minnesota	81,262	103,834	64,204	Idaho	11,259	14,105	29,176
Iowa	43,228	45,167	61,762	Wyoming	2,444	8,672	4,001
Missouri	17,915	28,687	41,218	Colorado	7,784	45,186	34,209
North Dakota	5,852	12,715	15,786	New Mexico	3,114	6,149	10,793
South Dakota	6,512	12,403	16,208	Arizona	20,086	11,883	10,259
Nebraska	8,757	37,444	50,516	Utah	6,427	17,337	16,458
Kansas	21,998	69,501	31,893	Nevada	2,717	1,248	1,288
South Atlantic	201,463	353,305	64,818	**Pacific**	95,176	329,410	264,385
Delaware	5,961	10,656	----------	Washington	21,920	84,901	49,051
Maryland	7,893	88,920	2,012	Oregon	19,529	53,040	25,542
District of Columbia	----------	156	----------	California	53,726	191,469	189,792

Source of Tables 222 and 223: Bureau of the Census, Department of Commerce.

No. 224.—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 225. For subdivision by classes of government see Table 223

Division and State	Amount (thousands of dollars)					Per capita (dollars)				
	1880	1890	1902	1912	1922	1880	1890	1902	1912	1922
Grand total	848,533	935,990	1,630,070	3,475,954	7,754,196	16.92	14.79	20.74	35.81	71.61
New England	128,664	128,089	226,518	295,391	440,351	32.08	27.25	39.46	43.03	57.92
Maine	17,724	12,130	12,261	21,543	29,551	27.31	18.35	17.49	28.42	33.21
New Hampshire	7,163	5,457	9,862	9,345	13,105	20.64	14.49	23.56	21.40	30.47
Vermont	4,348	3,637	4,854	6,411	9,882	13.09	10.94	14.03	17.81	28.04
Massachusetts	71,125	74,283	143,799	187,578	252,946	39.89	33.18	49.85	52.86	63.66
Rhode Island	11,270	12,619	25,530	25,589	39,901	40.76	36.52	56.84	44.15	64.32
Connecticut	17,034	19,963	30,210	44,925	94,866	27.36	26.75	32.11	38.01	66.09
Middle Atlantic	353,238	314,739	637,311	1,461,733	2,363,566	33.65	24.78	39.62	71.06	103.15
New York	211,187	199,455	429,186	1,046,227	1,497,278	41.55	33.25	56.56	107.71	140.63
New Jersey	48,733	48,311	81,204	169,527	305,817	43.08	33.43	40.85	61.66	111.42
Pennsylvania	93,318	66,973	126,922	245,979	560,471	21.79	12.74	19.49	30.34	55.72
East North Central	119,748	140,270	271,361	528,510	1,553,109	10.69	10.41	16.48	27.84	70.13
Ohio	43,022	63,930	112,545	234,525	639,300	13.45	17.41	26.45	47.23	107.20
Indiana	13,357	15,904	31,914	66,053	150,467	6.75	7.25	12.36	23.93	50.43
Illinois	44,942	40,657	78,560	137,208	350,139	14.60	10.03	15.65	23.24	52.58
Michigan	8,803	11,634	28,272	52,908	310,844	5.38	5.56	11.42	18.02	80.84
Wisconsin	9,624	8,145	20,070	37,816	102,359	7.32	4.83	9.41	15.63	38.00
West North Central	77,225	138,308	168,670	274,790	778,802	12.54	15.56	15.94	22.94	60.97
Minnesota	5,911	23,812	38,929	99,018	249,300	7.57	18.29	21.12	31.64	101.70
Iowa	7,592	11,025	17,390	35,069	150,157	4.67	5.77	7.82	15.78	61.52
Missouri	40,755	39,798	46,031	56,951	87,820	18.80	14.85	14.42	16.98	25.58
North Dakota	132	3,139	4,640	12,441	34,353	3.57	17.18	12.67	18.83	51.95
South Dakota	867	5,742	6,127	12,315	35,123	8.82	17.46	14.48	19.15	54.25
Nebraska	7,050	15,283	20,410	36,371	96,717	15.58	14.43	19.13	29.50	73.14
Kansas	14,918	30,509	35,143	52,625	123,392	14.98	27.69	23.99	31.22	69.11
South Atlantic	89,012	95,235	107,564	203,253	619,586	11.72	10.75	9.99	15.94	44.38
Delaware	1,466	2,031	3,383	6,097	16,617	10.00	12.06	17.99	29.31	72.42
Maryland	30,310	33,741	25,701	52,212	98,825	32.42	32.37	21.12	39.25	66.53
District of Columbia	22,498	19,781	14,540	9,061	150	126.66	85.86	50.42	26.03	.36
Virginia	12,755	16,610	23,934	39,887	97,359	8.43	10.03	12.64	18.73	41.14
West Virginia	1,514	2,348	4,768	11,195	46,331	2.45	3.08	4.78	8.57	30.26
North Carolina	2,540	3,414	8,593	26,285	147,998	1.81	2.11	4.41	11.39	55.91
South Carolina	6,707	6,342	9,021	15,097	56,281	6.74	5.51	6.55	9.60	32.59
Georgia	9,730	9,823	13,410	25,614	58,619	6.31	5.35	5.85	9.36	10.74
Florida	1,492	1,145	4,214	17,805	97,400	5.53	2.92	7.52	21.96	95.11
East South Central	31,104	36,636	55,176	126,973	313,589	5.57	5.70	7.10	14.61	34.84
Kentucky	13,888	17,762	20,550	25,588	42,774	8.42	9.56	9.32	10.95	17.51
Tennessee	9,947	9,848	14,733	47,287	114,195	6.45	5.57	7.11	21.13	48.20
Alabama	5,637	6,518	14,366	29,930	59,965	4.46	4.31	7.59	13.37	24.83
Mississippi	1,632	2,508	5,527	24,168	96,635	1.44	1.95	3.45	12.88	53.97
West South Central	29,410	36,339	63,715	211,066	676,053	8.82	7.75	9.25	22.18	64.00
Arkansas	3,944	2,157	3,034	12,577	88,558	4.91	1.91	2.25	7.58	49.51
Louisiana	19,428	17,327	24,184	61,461	112,117	20.67	15.49	16.86	35.21	61.10
Oklahoma	----------	----------	[1] 4,040	53,790	125,180	----------	----------	4.50	27.74	59.48
Texas	6,038	15,855	32,457	83,238	350,198	3.79	7.09	10.11	19.95	72.44
Mountain	6,106	19,003	45,463	99,497	322,230	9.35	18.43	25.75	33.78	91.90
Montana	695	2,751	7,717	16,633	57,050	17.75	20.82	29.30	39.68	97.40
Idaho	147	1,376	3,560	11,987	54,520	4.51	16.30	20.18	31.64	119.43
Wyoming	189	1,327	2,266	4,202	15,117	9.07	21.87	23.54	25.73	73.52
Colorado	3,481	7,811	18,269	36,473	87,179	17.92	18.95	32.34	41.29	89.91
New Mexico	85	1,962	3,581	6,444	20,056	.71	12.77	17.70	17.41	54.42
Arizona	378	2,181	3,492	7,324	42,233	9.33	36.58	26.89	31.73	117.02
Utah	107	767	5,638	13,859	40,222	.74	3.69	19.45	34.24	85.89
Nevada	1,024	828	940	2,575	5,253	16.45	18.09	22.21	27.19	67.87
Pacific	14,026	18,371	54,294	274,741	688,970	12.58	9.82	21.53	57.61	117.60
Washington	240	2,846	28,235	94,415	155,872	3.19	8.14	51.40	70.21	110.83
Oregon	337	2,478	11,066	43,797	98,111	1.93	7.90	25.57	57.86	121.27
California	13,449	13,047	14,943	136,529	434,987	15.55	10.80	9.71	51.18	119.40

[1] Includes $853,000 indebtedness of local governments in Indian Territory reported separately in 1902.

Source: Bureau of the Census, Department of Commerce.

No. 225.—DEBTS OF STATE AND LOCAL GOVERNMENTS: GROSS DEBT LESS SINKING FUND ASSETS OF STATES, COUNTIES, CITIES, TOWNS, VILLAGES, TOWNSHIPS, SCHOOL DISTRICTS, AND ALL OTHER CIVIL DIVISIONS COMBINED

Division and State	Amount (thousands of dollars)					Per capita (dollars)				
	1880	1890	1902	1912	1922	1880	1890	1902	1912	1922
Grand total	1,123,279	1,137,200	1,864,978	3,821,897	8,689,740	22.40	18.16	23.73	39.37	79.92
New England	165,410	148,524	301,478	390,960	550,709	41.24	31.60	52.52	56.95	72.46
Maine	23,236	15,772	15,047	22,798	42,457	35.81	23.86	21.46	30.08	54.90
New Hampshire	10,793	8,148	11,413	11,300	16,123	31.10	21.64	27.27	25.87	36.16
Vermont	4,499	3,785	5,217	6,981	11,994	13.54	11.39	15.08	19.39	34.03
Massachusetts	91,910	84,095	209,763	267,129	329,942	51.55	37.56	72.72	75.28	83.04
Rhode Island	12,971	12,999	28,150	30,716	49,239	46.01	37.62	62.07	52.99	79.33
Connecticut	22,002	23,725	31,888	52,036	100,954	35.33	31.79	33.89	44.03	70.33
Middle Atlantic	375,430	321,693	645,830	1,548,580	2,616,431	35.77	25.33	40.15	75.28	114.19
New York	218,846	201,256	437,372	1,132,432	1,683,820	43.06	33.55	57.64	116.59	158.15
New Jersey	49,383	49,258	81,147	170,169	382,172	43.66	34.09	40.82	61.89	116.40
Pennsylvania	107,202	71,180	127,311	245,979	550,439	25.03	13.54	19.55	30.34	61.28
East North Central	141,928	165,229	289,960	546,615	1,652,565	12.66	12.28	17.61	28.79	74.62
Ohio	53,044	70,927	117,230	239,667	669,443	16.59	19.32	27.55	48.27	112.25
Indiana	18,353	24,472	34,828	67,404	152,792	9.28	11.16	13.49	24.41	51.21
Illinois	46,389	42,468	80,715	139,480	364,019	15.07	11.10	16.03	23.62	54.66
Michigan	12,056	16,942	34,830	59,907	361,778	7.36	8.09	14.07	20.43	94.09
Wisconsin	12,086	10,421	22,348	40,067	104,523	9.19	6.18	10.48	16.56	38.81
West North Central	104,131	155,700	178,902	282,971	851,543	16.91	17.52	16.91	23.62	66.83
Minnesota	11,328	26,238	40,684	70,364	269,608	14.51	20.15	22.07	32.26	109.99
Iowa	8,138	11,271	17,440	35,426	151,614	5.01	5.90	7.84	15.94	62.11
Missouri	60,264	51,558	50,367	61,622	118,276	27.79	19.24	15.79	18.37	34.46
North Dakota	132	3,855	5,608	13,261	40,266	3.57	21.10	15.31	20.07	60.89
South Dakota	867	6,614	6,584	12,685	50,554	8.82	20.11	15.56	19.72	78.09
Nebraska	7,490	15,537	22,415	36,745	97,755	16.56	14.67	21.01	29.80	73.93
Kansas	15,012	40,629	35,774	52,868	123,470	15.07	28.47	24.42	31.36	69.16
South Atlantic	167,920	165,454	159,208	255,195	743,216	22.10	18.68	14.79	20.02	51.61
Delaware	2,371	2,919	4,145	6,860	22,451	16.17	17.32	22.04	32.98	93.32
Maryland	41,420	41,292	30,643	59,546	126,954	44.31	39.61	25.18	44.76	81.43
District of Columbia	22,498	19,781	14,540	9,061	156	126.66	85.86	50.42	26.03	.36
Virginia	45,519	51,697	47,481	61,930	119,115	30.09	31.16	25.07	29.09	50.33
West Virginia	1,041	2,532	[1] 4,768	[1] 11,195	70,512	2.65	3.32	[1] 4.78	[1] 8.57	46.58
North Carolina	17,963	11,124	15,348	34,344	182,711	12.83	6.87	7.88	14.28	69.03
South Carolina	14,185	13,660	15,751	21,287	65,010	14.25	11.87	11.43	13.54	37.64
Georgia	19,648	20,272	21,286	32,548	64,038	12.74	11.03	9.29	11.89	21.56
Florida	2,666	2,277	5,247	18,424	98,269	9.89	5.81	9.36	22.72	95.96
East South Central	78,686	74,190	91,055	160,820	370,553	14.09	11.53	11.54	18.51	41.17
Kentucky	14,982	19,433	22,942	30,031	50,519	9.09	10.46	10.36	12.85	20.68
Tennessee	40,750	29,544	32,717	59,098	133,337	26.42	16.71	15.79	26.41	56.27
Alabama	18,008	18,956	27,092	43,063	75,198	14.26	12.53	14.32	19.24	31.37
Mississippi	4,956	6,193	8,404	28,628	111,499	4.38	4.81	5.24	15.25	62.27
West South Central	65,287	61,028	83,002	237,435	704,546	18.58	13.43	12.05	24.95	66.70
Arkansas	10,733	7,600	4,226	13,813	91,280	13.37	6.73	3.13	8.32	51.03
Louisiana	42,865	33,335	37,777	75,007	126,946	45.60	29.80	26.34	42.97	69.13
Oklahoma			[2] 4,549	60,721	129,977			[2] 5.07	31.32	61.75
Texas	11,688	20,093	36,450	87,894	356,343	7.34	8.99	11.35	21.07	73.71
Mountain	6,807	23,978	56,786	112,770	372,776	10.42	20.74	32.16	38.29	106.39
Montana	765	2,926	8,921	18,146	65,229	19.54	22.15	33.87	43.20	110.20
Idaho	230	1,594	3,884	14,131	62,193	7.05	18.89	22.02	37.30	136.24
Wyoming	205	1,647	2,566	4,324	19,128	9.88	27.14	26.66	26.48	93.02
Colorado	3,628	9,458	22,067	39,647	90,198	18.67	22.95	39.06	44.89	101.78
New Mexico	85	2,832	4,580	7,662	25,010	.71	18.44	22.64	20.70	67.86
Arizona	378	2,938	6,592	10,389	44,973	9.33	49.28	50.75	45.01	124.61
Utah	116	1,218	6,613	15,288	50,041	.81	5.85	22.81	37.77	106.85
Nevada	1,400	1,365	1,564	3,183	7,004	22.48	29.83	27.97	33.60	90.49
Pacific	17,670	21,463	58,757	286,551	827,411	15.86	11.48	23.80	60.08	141.23
Washington	239	3,419	20,557	95,971	169,063	3.19	9.78	53.71	71.37	120.21
Oregon	849	2,480	11,302	43,328	138,094	4.86	7.90	26.17	57.90	170.69
California	16,582	15,569	17,898	146,752	520,254	19.18	12.89	11.60	55.01	142.81

[1] No State indebtedness reported; the Virginia-West Virginia debt settlement was not made until 1919.
[2] Includes $853,000 indebtedness of local governments in Indian Territory reported separately in 1902.

Source: Bureau of the Census, Department of Commerce.

No. 226.—REVENUE RECEIPTS AND GOVERNMENTAL-COST PAYMENTS OF CITIES OF 30,000 OR MORE INHABITANTS: BY SIZE GROUPS

NOTE.—See headnote, *Table 216*

[All figures in thousands of dollars]

	All cities over 30,000 [1]			1929—Cities of—				
	1922	1928	1929	Over 500,000	300,000–500,000	100,000–300,000	50,000–100,000	30,000–50,000
Revenue receipts, total	2,007,009	3,114,169	3,075,234	1,659,031	337,330	600,328	330,792	147,753
From taxes, total	1,441,108	2,164,064	2,109,828	1,139,501	231,019	404,818	230,919	103,571
General property	1,337,784	1,993,265	1,925,774	1,031,051	214,006	374,282	213,182	93,253
Special property	13,372	15,094	14,099	4,656	572	5,638	1,944	1,289
Other special taxes	27,718	54,862	64,619	44,466	1,942	8,345	5,166	4,700
Business and nonbusiness license	58,078	95,488	100,004	58,605	14,290	14,769	8,907	3,433
Poll	4,156	5,355	5,332	723	209	1,784	1,720	896
Special assessments and special charges for outlays	103,135	249,562	228,438	119,161	19,784	53,642	24,998	10,853
Fines, forfeits, and escheats	13,035	18,881	20,001	10,043	1,838	4,741	2,253	1,126
Subventions and grants	99,086	135,125	143,073	64,377	21,915	29,650	19,633	7,498
Donations, gifts, and pension assessments	20,020	31,164	33,154	21,155	4,416	4,149	2,486	948
Highway privileges, rents of investment property, and interest	94,151	140,657	148,725	108,216	12,912	18,551	6,164	2,882
Earnings of general departments	51,970	76,758	79,407	39,331	10,868	15,711	9,214	4,283
Earnings of public-service enterprises	184,505	297,958	312,608	157,247	34,578	69,066	35,125	16,592
Governmental-cost payments, total	2,222,567	3,396,122	3,436,290	1,871,214	366,016	675,824	371,557	150,679
Operation, maintenance, and interest, total	1,604,631	2,359,487	2,468,225	1,354,467	265,943	465,804	266,713	115,298
Operation and maintenance (except interest), total	1,390,764	2,017,387	2,102,534	1,141,426	231,959	396,387	232,711	100,051
General departments, total	1,284,189	1,853,282	1,935,877	1,057,724	211,917	361,755	213,045	91,436
General government	113,947	159,127	162,662	104,181	19,430	20,676	12,714	5,661
Protection to person and property	257,877	364,555	377,715	203,534	41,383	74,769	41,279	16,750
Health and sanitation	126,045	184,838	192,505	113,170	20,565	32,618	19,118	7,034
Highways	111,356	158,835	168,475	89,349	19,500	31,802	18,358	9,466
Charities, hospitals, and corrections	80,526	117,748	123,251	78,406	18,658	14,250	7,930	4,007
Education—								
Schools	484,345	687,536	716,515	350,418	72,127	155,908	97,203	40,859
Libraries	16,008	24,846	26,123	12,835	3,278	5,670	3,004	1,336
Recreation	42,283	62,871	69,044	38,903	7,300	13,096	6,875	2,870
Miscellaneous	51,802	92,876	99,587	66,928	9,676	12,966	6,564	3,453
Public-service enterprises	106,575	164,155	166,657	83,702	20,042	34,632	19,666	8,615
Interest	213,867	342,100	365,691	213,041	33,984	69,417	34,002	15,247
Excess of revenue receipts over operation, maintenance, and interest	402,378	754,682	607,009	304,564	71,387	134,524	64,079	32,455
Outlays for permanent improvements	617,936	1,036,635	967,065	516,747	100,073	210,020	104,844	35,381
Excess of total governmental-cost payments over revenue receipts	215,558	281,953	360,056	212,183	28,686	75,496	40,705	2,928

[1] There were 261 cities of this class in 1922, and 250 in 1928 and 1929.

Source: Bureau of the Census, Department of Commerce.

No. 227.—PER CAPITA REVENUE RECEIPTS AND GOVERNMENTAL-COST PAYMENTS OF CITIES OF 30,000 OR MORE INHABITANTS

	All cities of over 30,000			1929—Cities of—				
	1922	1928	1929	Over 500,000	300,000–500,000	100,000–300,000	50,000–100,000	30,000–50,000
Revenue receipts	$51.81	$71.66	$69.39	$81.09	$77.70	$57.38	$52.97	$52.55
From taxes	37.21	49.81	47.61	55.70	53.21	38.69	36.98	36.84
General property	34.54	45.88	43.45	50.40	49.29	35.78	34.14	33.17
Special property	1.06	.35	.32	.23	.13	.54	.31	.46
Other special taxes		1.26	1.46	2.17	.45	.80	.83	1.67
Business and nonbusiness licenses	1.50	2.20	2.26	2.86	3.29	1.41	1.43	1.22
Poll	.11	.12	.12	.04	.05	.17	.28	.32
Special assessments and special charges for outlay	2.66	5.74	5.15	5.82	4.56	5.13	4.00	3.86
Fines, forfeits, and escheats	.34	.43	.45	.49	.42	.45	.36	.40
Subventions and grants, donations, gifts, and pension assessments	3.07	3.83	3.98	4.18	6.07	3.23	3.54	3.00
Highway privileges, rents of investment property and interest	2.43	3.24	3.36	5.29	2.97	1.77	.99	1.03
Earnings of general departments	1.34	1.77	1.79	1.92	2.50	1.50	1.48	1.52
Earnings of public-service enterprises	4.76	6.86	7.05	7.69	7.96	6.60	5.62	5.90
Governmental-cost payment for operation, maintenance, and interest	41.42	54.31	55.69	66.21	61.23	44.52	42.71	41.01
Operation and maintenance	35.90	46.44	47.44	55.79	53.43	37.89	37.26	35.58
General departments	33.15	42.66	43.68	51.70	48.81	34.58	34.11	32.52
General government	2.04	3.65	3.67	5.09	4.48	1.98	2.04	2.01
Protection to person and property	6.66	8.39	8.52	9.95	9.53	7.15	6.61	5.95
Health and sanitation	3.25	4.26	4.34	5.53	4.74	3.12	3.06	2.51
Highways	2.87	3.65	3.80	4.37	4.49	3.04	2.94	3.37
Charities, hospitals, and corrections	2.08	2.71	2.78	3.83	4.30	1.36	1.27	1.43
Education—								
Schools	12.50	15.83	16.17	17.13	16.61	14.90	15.56	14.53
Libraries	.41	.57	.59	.63	.76	.54	.48	.48
Recreation	1.09	1.45	1.56	1.90	1.68	1.25	1.10	1.02
Miscellaneous	1.34	2.14	2.25	3.27	2.23	1.24	1.05	1.23
Public-service enterprises	2.75	3.78	3.76	4.09	4.62	3.31	3.15	3.06
Interest	5.52	7.87	8.25	10.41	7.83	6.64	5.44	5.42
Excess of revenue receipts over payments for operation, maintenance, and interest	10.39	17.37	13.70	14.89	16.44	12.86	10.26	11.54

No. 228.—COMPARATIVE SUMMARY OF PER CAPITA NET REVENUE RECEIPTS, GOVERNMENTAL-COST PAYMENTS, AND DEBT OF 146 CITIES

NOTE.—See headnote, Table 216. Table includes all cities of 30,000 or more inhabitants in 1903

Year	Per capita revenue receipts [1]			Per capita governmental-cost payments for operation, maintenance, and interest [1]					Per capita net debt
	Total	Other than of public-service enterprises	Of public-service enterprises	Total	Operation and maintenance			Interest	
					Total	Of general departments	Of public-service enterprises		
1903	$21.14	$18.71	$2.42	$16.41	$14.35	$13.25	$1.10	$2.06	$44.71
1909	26.42	23.53	2.89	20.14	17.28	16.06	1.22	2.86	61.21
1915	30.00	26.97	3.03	23.92	20.34	18.95	1.39	3.58	77.86
1917	31.97	28.84	3.13	24.58	20.92	19.53	1.39	3.66	80.75
1919	35.26	31.65	3.61	28.07	24.18	22.28	1.90	3.89	81.18
1922	53.57	48.74	4.83	42.93	37.14	34.37	2.77	5.79	97.57
1924	58.41	52.42	6.00	45.62	40.42	36.89	3.53	5.20	110.09
1925	61.90	55.70	6.19	47.87	42.28	38.72	3.56	5.58	119.45
1926	66.14	59.55	6.60	50.30	44.27	40.51	3.76	6.03	128.13
1927	69.77	63.09	6.67	52.64	46.25	42.44	3.81	6.38	134.27
1928	72.11	65.46	6.65	54.43	47.79	44.04	3.75	6.64	144.33
1929	69.63	62.81	6.82	55.84	48.88	45.16	3.72	6.97	139.63

[1] Service transfers and interest transfers included in the amounts for the year 1922.

Source of Tables 227 and 228: Bureau of the Census, Department of Commerce.

No. 229.—REVENUE RECEIPTS AND GOVERNMENTAL-COST PAYMENTS

NOTE.—Amounts, except per capita, in thousands of

City number in order of size	City	1939								
		Total revenue receipts	Total governmental cost payments	For operation, maintenance, and interest				Outlays for permanent improvements	Excess of revenues over—	
				Total	General departments	Public service enterprises	Interest		Total payments	Payments except outlays
1	New York, N. Y.	663,406	649,838	504,734	381,493	17,395	105,846	145,104	13,568	158,672
2	Chicago, Ill.	101,261	244,850	172,795	148,779	7,829	16,187	72,055	−143,589	−71,534
3	Philadelphia, Pa.	133,176	156,815	118,267	92,744	2,848	22,675	38,548	−23,639	14,909
4	Detroit, Mich.	157,686	170,219	112,710	75,597	22,814	14,299	57,509	−12,533	44,976
5	Los Angeles, Calif.	158,935	158,739	94,531	72,294	11,663	10,574	64,208	196	64,404
6	Cleveland, Ohio	75,295	75,473	57,372	43,494	4,962	8,916	18,101	−178	17,923
7	St. Louis, Mo.	60,362	62,335	37,868	33,250	2,319	2,293	24,467	−11,973	12,494
8	Baltimore, Md.	45,131	54,831	39,347	30,015	2,238	7,094	15,484	−9,700	5,784
9	Boston, Mass.	78,120	77,067	64,378	53,871	2,776	7,732	12,689	1,053	13,742
10	Pittsburgh, Pa.	54,703	61,403	44,047	35,824	2,206	6,017	17,356	−6,700	10,656
11	San Francisco, Calif.	47,208	51,241	36,452	28,600	3,512	4,340	14,789	−4,033	10,755
12	Milwaukee, Wis.	47,582	52,244	32,425	28,213	1,633	2,579	19,819	−4,662	15,157
13	Buffalo, N. Y.	46,187	56,159	39,541	33,544	1,509	4,488	16,618	−9,992	6,626
14	Washington, D. C.	42,377	39,276	30,387	29,337	1,050	-------	8,889	3,101	11,990
15	Minneapolis, Minn.	30,362	28,272	23,381	19,240	786	3,355	4,891	2,090	6,981
16	New Orleans, La.	25,178	34,790	19,671	13,995	2,169	3,507	15,119	−9,612	5,506
17	Cincinnati, Ohio	37,878	39,561	28,560	21,538	1,245	5,777	10,991	−1,673	9,318
18	Newark, N. J.	41,824	50,507	36,790	29,892	1,780	5,118	13,717	−8,683	5,034
19	Kansas City, Mo.	23,683	26,018	20,650	16,186	1,755	2,709	5,368	−2,335	3,033
20	Seattle, Wash.	42,928	46,997	29,219	16,678	8,642	3,899	17,778	−4,069	13,709
21	Indianapolis, Ind.	20,261	22,339	15,945	14,470	58	1,417	6,394	−2,078	4,316
22	Rochester, N. Y.	29,725	31,810	23,997	20,481	721	2,795	7,813	−2,085	5,728
23	Jersey City, N. J.	26,640	29,430	24,716	19,459	1,130	4,127	4,714	−2,790	1,924
24	Louisville, Ky.	16,474	17,026	12,626	10,639	706	1,281	4,400	−552	3,848
25	Portland, Oreg.	20,677	20,244	14,253	9,817	1,676	2,860	5,991	433	6,424
26	Toledo, Ohio	18,521	19,096	13,681	10,831	831	2,019	5,415	−575	4,840
27	Columbus, Ohio	16,207	17,690	12,230	8,793	979	2,458	5,460	−1,393	4,067
28	Denver, Colo.	18,969	19,427	16,391	12,624	789	1,978	4,036	−458	3,578
29	Houston, Tex.	12,321	15,907	10,455	7,572	494	2,389	5,452	−3,586	1,866
30	Oakland, Calif.	18,801	34,082	14,226	10,612	1,302	2,312	19,856	−15,281	4,575
31	St. Paul, Minn.	15,798	15,605	11,032	8,156	677	2,199	4,573	193	4,766
32	Atlanta, Ga.	11,116	14,103	9,410	8,014	550	846	4,693	−2,987	1,706
33	Akron, Ohio	14,420	16,871	10,230	7,130	531	2,569	6,641	−2,451	4,190
34	Providence, R. I.	15,502	17,817	12,997	10,288	732	1,977	4,820	−2,315	2,505
35	Birmingham, Ala.	9,172	10,975	7,051	5,788	37	1,226	3,924	−1,803	2,121
36	Dallas, Tex.	10,017	12,319	8,581	6,634	613	1,334	3,738	−2,302	1,436
37	San Antonio, Tex.	9,379	10,941	7,256	5,463	392	1,401	3,685	−1,562	2,123
38	Omaha, Nebr.	13,818	12,382	10,497	6,621	1,914	1,962	1,885	1,436	3,321
39	Syracuse, N. Y.	10,750	19,877	11,944	9,872	411	1,661	7,933	−3,127	4,806
40	Memphis, Tenn.	8,817	8,717	7,411	5,495	545	1,371	1,306	100	1,406
41	Dayton, Ohio	9,876	10,366	7,345	5,849	319	1,177	3,021	−491	2,530
42	Worcester, Mass.	14,227	14,222	11,094	9,974	343	777	3,128	5	3,133
43	Richmond, Va.	11,014	12,355	8,574	5,722	1,129	1,713	3,781	−1,341	2,440
44	Oklahoma City, Okla.	6,452	12,542	4,591	3,119	264	1,208	7,951	−6,090	1,861
45	Grand Rapids, Mich.	11,671	11,666	7,485	6,119	427	939	4,181	5	4,186
46	New Haven, Conn.	8,591	9,909	7,861	7,221	3	637	2,048	−1,318	730
47	Fort Worth, Tex.	6,698	8,264	5,528	4,160	213	1,155	2,736	−1,566	1,170
48	Hartford, Conn.	12,217	14,335	9,391	7,916	607	868	4,944	−2,118	2,827
49	Youngstown, Ohio	9,593	8,546	6,453	5,373	343	737	2,093	1,047	3,141
50	Nashville, Tenn.	6,077	6,445	4,575	3,493	335	747	1,870	−368	1,502
51	Springfield, Mass.	11,248	12,369	9,122	8,039	303	780	3,247	−1,121	2,127
52	Flint, Mich.	10,074	12,510	6,553	5,347	231	975	5,957	−2,436	3,521
53	Bridgeport, Conn.	8,596	9,128	6,928	6,235	11	682	2,200	−532	1,668
54	Scranton, Pa.	5,427	6,243	4,901	4,508	(2)	393	1,342	−816	526
55	San Diego, Calif.	12,315	13,069	6,769	4,995	865	909	6,290	−744	5,546
56	Des Moines, Iowa	7,346	6,990	6,191	4,832	461	898	799	356	1,155
57	Salt Lake City, Utah	6,187	6,044	5,074	4,174	311	589	970	143	1,113
58	Paterson, N. J.	7,720	9,347	7,245	6,128	-------	1,117	2,102	−1,627	475
59	Long Beach, Calif.	14,552	14,193	9,513	5,938	2,665	910	4,680	359	5,039
60	Yonkers, N. Y.	11,398	15,319	10,246	8,431	492	1,323	5,073	−3,921	1,152
61	Norfolk, Va.	7,712	7,794	6,697	4,210	369	2,127	1,097	−82	1,015
62	Jacksonville, Fla.	8,388	8,747	6,709	4,146	1,615	948	2,038	−359	1,679
63	Tulsa, Okla.	4,108	7,358	4,908	3,692	284	932	2,450	−3,250	−800
64	Albany, N. Y.	8,810	12,164	7,080	5,504	631	951	5,078	−3,354	1,724
65	Trenton, N. J.	7,589	8,029	6,887	5,601	507	779	1,142	−440	702
66	Kansas City, Kans.	7,133	5,387	4,716	2,853	1,076	787	671	1,746	2,417
67	Camden, N. J.	6,803	10,188	6,318	4,870	383	1,065	3,870	−3,385	485
68	Miami, Fla.	6,961	8,432	6,391	3,982	182	2,227	2,041	−1,471	570
69	Fall River, Mass.	6,961	6,628	5,898	4,870	284	744	730	333	1,063
70	Spokane, Wash.	5,249	5,269	4,191	3,608	274	309	1,078	−20	1,058
71	Erie, Pa.	5,490	5,462	4,042	3,232	320	490	1,420	28	1,448
72	New Bedford, Mass.	7,785	6,684	6,026	5,023	305	698	658	1,101	1,759
73	Elizabeth, N. J.	5,099	6,412	4,529	3,987	6	536	1,883	−1,313	570
74	Cambridge, Mass.	7,694	8,338	6,878	5,849	467	562	1,460	644	816

[1] Less than one-half of 1 cent.

OF INDIVIDUAL CITIES OF 100,000 OR MORE INHABITANTS IN 1929

dollars. Minus sign indicates excess of payments.

Per capita revenue receipts			Per capita governmental-cost payments for operation, maintenance, and interest						City	City number in order of size
			Total			Interest				
1927	1928	1929	1927	1928	1929	1927	1928	1929		
$69.94	$90.80	$97.07	$57.31	$70.19	$73.85	$12.09	$14.25	$15.49	New York, N. Y.	1
54.20	74.12	80.43	39.92	53.16	51.93	2.88	4.81	4.86	Chicago, Ill.	2
47.55	68.90	68.59	43.34	58.69	60.91	5.20	10.95	11.68	Philadelphia, Pa.	3
65.53	109.33	106.24	50.10	75.40	75.94	4.76	9.17	9.03	Detroit, Mich.	4
79.81	138.53	136.62	48.30	80.12	81.26	4.56	9.65	9.09	Los Angeles, Calif.	5
62.55	85.17	84.26	47.92	63.66	64.20	7.45	10.26	9.98	Cleveland, Ohio	6
44.88	62.58	61.79	34.05	44.00	46.46	1.20	2.83	2.81	St. Louis, Mo.	7
39.97	54.52	56.43	35.17	47.05	49.20	5.64	8.53	8.87	Baltimore, Md.	8
80.55	101.74	100.31	65.52	79.67	82.66	8.63	9.47	9.93	Boston, Mass.	9
61.50	79.85	82.10	49.92	64.47	66.11	5.94	8.56	9.03	Pittsburgh, Pa.	10
57.67	75.99	76.29	44.51	58.01	58.91	5.09	6.53	7.01	San Francisco, Calif.	11
69.50	76.52	83.48	41.07	55.86	56.89	2.84	4.52	4.52	Milwaukee, Wis.	12
52.97	86.28	81.71	48.11	70.69	69.98	3.48	7.33	7.94	Buffalo, N. Y.	13
57.27	86.90	88.12	42.03	60.49	63.19	.41	(1)	-------	Washington, D. C.	14
54.04	62.83	66.19	41.57	48.71	50.97	4.98	6.29	7.31	Minneapolis, Minn.	15
44.46	55.67	55.52	35.63	45.71	43.38	4.95	6.53	7.73	New Orleans, La.	16
64.38	88.31	84.64	49.41	61.57	63.82	11.39	12.92	12.91	Cincinnati, Ohio	17
61.40	91.54	94.99	52.03	79.89	83.56	7.17	10.71	11.62	Newark, N. J.	18
51.11	60.24	60.84	45.38	54.37	53.04	2.61	6.62	6.96	Kansas City, Mo.	19
93.85	125.10	118.62	80.41	80.56	80.74	12.26	10.85	10.77	Seattle, Wash.	20
49.73	55.84	56.16	35.37	43.44	44.19	3.32	4.20	3.93	Indianapolis, Ind.	21
56.53	90.51	91.24	47.71	71.47	73.66	5.64	8.45	8.58	Rochester, N. Y.	22
55.94	84.96	84.46	54.67	74.84	78.36	9.74	13.12	13.08	Jersey City, N. J.	23
33.85	51.70	53.61	27.60	39.09	41.09	2.41	3.73	4.17	Louisville, Ky.	24
55.25	63.72	69.30	38.26	48.08	47.77	6.75	9.23	9.59	Portland, Oreg.	25
42.88	64.06	64.31	36.51	46.75	47.50	5.41	7.11	7.01	Toledo, Ohio	26
44.68	55.12	56.65	34.63	43.27	42.51	6.53	8.58	8.55	Columbus, Ohio	27
52.97	65.39	66.42	40.79	52.04	53.89	3.74	7.03	6.93	Denver, Colo.	28
42.40	43.31	43.48	33.76	35.28	36.89	6.04	7.90	8.43	Houston, Tex.	29
39.36	60.05	68.17	32.32	42.99	51.58	2.02	4.08	8.38	Oakland, Calif.	30
46.00	54.13	58.75	36.42	41.70	41.02	3.91	8.10	8.18	St. Paul, Minn.	31
33.19	42.73	41.76	25.29	35.49	35.35	.89	2.86	3.18	Atlanta, Ga.	32
40.05	54.09	56.92	29.86	38.38	40.38	6.53	10.65	10.14	Akron, Ohio	33
46.86	59.42	61.64	37.04	49.55	51.68	4.23	7.27	7.86	Providence, R. I.	34
25.58	37.86	36.50	21.50	27.99	28.06	3.22	4.76	4.88	Birmingham, Ala.	35
38.79	38.97	40.55	31.07	33.02	34.74	3.93	4.76	5.40	Dallas, Tex.	36
29.20	40.41	42.17	21.91	32.00	32.63	3.59	6.36	6.30	San Antonio, Tex.	37
68.18	65.91	65.05	43.24	49.07	49.42	7.07	9.42	9.24	Omaha, Nebr.	38
49.83	70.80	80.84	38.01	55.59	57.64	5.34	7.40	8.01	Syracuse, N. Y.	39
39.90	43.93	42.91	33.28	34.39	36.06	6.76	6.82	6.67	Memphis, Tenn.	40
40.14	48.97	50.00	28.30	36.65	37.19	3.74	6.23	5.96	Dayton, Ohio	41
48.07	71.23	73.34	41.05	54.76	57.19	3.33	3.48	4.01	Worcester, Mass.	42
43.90	59.69	60.45	34.93	47.31	47.06	5.31	9.21	9.40	Richmond, Va.	43
52.00	39.84	37.05	35.51	24.99	26.37	5.24	4.38	6.94	Oklahoma City, Okla.	44
42.25	67.36	70.73	30.99	44.75	45.36	2.12	5.35	5.69	Grand Rapids, Mich.	45
39.49	51.31	52.84	32.09	46.39	48.35	2.46	3.57	3.92	New Haven, Conn.	46
35.88	39.77	41.66	26.92	32.58	34.38	3.80	6.81	7.19	Fort Worth, Tex.	47
53.57	69.06	76.21	41.23	56.01	58.58	4.53	5.20	5.41	Hartford, Conn.	48
38.19	55.95	62.54	34.89	39.48	42.06	6.05	5.53	4.80	Youngstown, Ohio	49
28.01	39.41	36.72	23.61	31.32	29.90	4.48	5.52	4.88	Nashville, Tenn.	50
59.01	77.40	75.85	47.75	59.80	61.51	3.75	4.90	5.26	Springfield, Mass.	51
40.02	62.32	68.44	31.39	41.87	44.52	5.44	6.81	6.62	Flint, Mich.	52
48.39	51.82	58.76	40.54	45.78	47.36	3.70	4.44	4.66	Bridgeport, Conn.	53
29.24	39.51	37.95	24.47	34.56	34.27	1.21	2.73	2.75	Scranton, Pa.	54
62.86	89.53	87.78	47.22	46.64	48.25	7.05	6.14	6.48	San Diego, Calif.	55
58.48	54.80	52.40	38.69	43.77	44.16	3.93	6.51	6.40	Des Moines, Iowa	56
44.10	44.28	44.61	35.95	36.27	36.58	5.35	4.18	4.25	Salt Lake City, Utah	57
54.47	56.39	55.82	29.78	49.13	52.39	3.27	7.16	8.07	Paterson, N. J.	58
56.83	89.55	109.58	38.59	68.95	71.64	3.48	7.06	6.85	Long Beach, Calif.	59
66.27	91.18	86.28	54.45	67.95	77.56	8.06	9.36	10.01	Yonkers, N. Y.	60
40.94	56.97	58.92	43.22	50.51	51.16	9.38	15.40	16.25	Norfolk, Va.	61
47.78	61.22	65.42	42.32	47.53	52.33	6.51	5.99	7.40	Jacksonville, Fla.	62
33.08	65.13	32.16	30.70	40.61	38.43	3.72	8.38	7.30	Tulsa, Okla.	63
41.26	68.89	69.70	38.74	53.34	56.06	3.59	7.44	7.53	Albany, N. Y.	64
38.90	59.90	61.64	34.38	54.21	55.95	3.59	6.33	6.33	Trenton, N. J.	65
45.42	63.45	58.85	38.65	45.20	38.91	4.36	7.26	6.49	Kansas City, Kans.	66
35.25	53.07	57.41	31.84	49.66	53.32	3.83	7.34	8.99	Camden, N. J.	67
53.05	71.46	58.79	44.18	54.44	53.97	10.24	17.50	18.81	Miami, Fla.	68
52.05	67.13	60.17	40.63	53.12	50.98	3.30	5.94	6.43	Fall River, Mass.	69
48.98	47.41	45.64	35.57	35.66	36.44	3.79	2.83	2.68	Spokane, Wash.	70
35.65	48.88	47.74	27.76	33.95	35.15	2.32	4.07	4.26	Erie, Pa.	71
54.56	61.93	68.71	45.29	54.57	53.19	5.65	6.16	6.16	New Bedford, Mass.	72
36.80	45.19	45.04	25.25	38.52	40.01	3.43	4.39	4.74	Elizabeth, N. J.	73
48.44	65.83	68.03	44.57	58.48	60.82	5.03	4.70	4.97	Cambridge, Mass.	74

[2] Less than $500.

No. 229.—Revenue Receipts and Governmental-Cost Payments of

[Amounts, except per capita,

City number in order of size	City	1929								
		Total revenue receipts	Total governmental-cost payments	For operation, maintenance, and interest				Outlays for permanent improvements	Excess of revenues over—	
				Total	General departments	Public service enterprises	Interest		Total payments	Payments except outlays
75	Fort Wayne, Ind	5,696	6,137	4,204	3,152	834	218	1,933	−441	1,492
76	Reading, Pa	5,144	5,255	4,076	3,255	326	495	1,179	−111	1,068
77	Wichita, Kans	4,329	4,903	3,210	2,789	14	407	1,693	−74	1,619
78	Wilmington, Del	4,886	5,517	3,879	2,935	447	497	1,638	−631	1,007
79	Tacoma, Wash	8,246	9,785	5,904	3,618	1,637	649	3,881	−1,539	2,342
80	Canton, Ohio	6,099	5,270	4,275	3,152	201	922	995	829	1,825
81	Somerville, Mass	4,556	5,353	3,876	3,413	156	307	1,477	−797	680
82	Knoxville, Tenn	4,418	6,435	4,118	2,776	245	1,097	2,317	−2,017	300
83	Peoria, Ill	3,672	3,547	2,765	2,529	3	233	782	125	907
84	Lynn, Mass	5,418	5,942	4,635	3,903	345	387	1,307	−524	783
85	South Bend, Ind	8,493	6,596	3,430	2,917	240	273	3,166	−103	3,063
86	Lowell, Mass	5,333	5,270	4,614	3,932	340	342	656	63	719
87	Utica, N. Y	5,666	6,490	4,704	4,163	1	540	1,786	−824	962
88	Duluth, Minn	7,715	7,554	5,611	3,999	1,008	604	1,943	161	2,103
89	Evansville, Ind	4,721	4,973	3,144	2,514	435	195	1,829	−252	1,576

Source: Bureau of the Census, Department of Commerce.

No. 230.—PRINCIPAL SOURCES OF REVENUE RECEIPTS OF

Note.—For total revenue receipts see Table 229.

City number in order of size	City	Amount of revenue receipts (thousands of dollars) from—							
		Taxes			Special assessments and charges for outlays	Earnings of		Highway privileges, rents and interest	All other
		General property	License	Other		General departments	Public service enterprises		
1	New York, N. Y	436,553	26,599	31,185	19,433	5,678	37,837	53,624	52,497
2	Chicago, Ill	28,749	9,843	141	24,326	6,184	14,177	12,739	5,102
3	Philadelphia, Pa	95,975	1,377	48	1,873	4,089	8,455	17,115	4,244
4	Detroit, Mich	87,848	3,400	613	14,457	6,668	33,850	2,078	8,772
5	Los Angeles, Calif	30,425	5,545	----------	33,530	3,549	25,220	3,211	7,446
6	Cleveland, Ohio	49,792	2,137	411	7,049	2,782	9,412	2,571	1,141
7	St. Louis, Mo	31,808	2,723	----------	6,175	1,609	4,115	2,782	1,150
8	Baltimore, Md	30,807	1,731	1,021	982	773	4,858	3,121	1,838
9	Boston, Mass	52,032	530	10,687	694	2,104	4,926	5,654	1,533
10	Pittsburgh, Pa	44,090	552	330	816	1,252	3,181	2,353	2,120
11	San Francisco, Calif	31,525	2,156	----------	2,292	1,330	5,797	1,110	2,998
12	Milwaukee, Wis	20,636	772	3,931	4,953	2,391	2,739	621	2,539
13	Buffalo, N. Y	31,802	1,239	1,478	2,674	864	2,679	1,237	4,194
14	Washington, D. C	23,704	4,772	4	785	1,464	1,366	164	10,058
15	Minneapolis, Minn	22,280	365	133	2,737	780	1,133	666	2,259
16	New Orleans, La	16,235	1,260	111	1,569	764	2,998	904	1,337
17	Cincinnati, Ohio	23,256	1,775	552	1,369	1,901	2,857	5,025	1,143
18	Newark, N. J	28,306	1,139	442	1,533	1,586	3,055	1,845	3,728
19	Kansas City, Mo	16,479	1,454	----------	700	749	2,191	1,145	966
20	Seattle, Wash	18,658	184	----------	5,521	826	14,821	471	2,447
21	Indianapolis, Ind	16,598	216	48	1,636	771	52	177	703
22	Rochester, N. Y	19,431	1,100	1,194	2,281	865	1,007	687	2,560
23	Jersey City, N. J	18,186	1,259	240	290	548	2,673	1,338	2,106
24	Louisville, Ky	10,714	706	----------	1,263	613	1,825	491	803
25	Portland, Oreg	11,290	258	----------	3,838	510	2,209	613	1,959
26	Toledo, Ohio	12,315	837	78	2,341	364	1,601	736	249
27	Columbus, Ohio	10,252	779	139	1,797	351	1,896	826	257
28	Denver, Colo	12,505	471	----------	1,334	868	2,949	444	398
29	Houston, Tex	9,161	89	----------	39	381	1,077	612	962
30	Oakland, Calif	10,456	483	----------	2,186	340	1,963	298	3,075
31	St. Paul, Minn	9,304	572	28	1,718	287	1,110	828	1,956
32	Atlanta, Ga	6,036	711	79	851	476	1,884	445	634
33	Akron, Ohio	8,855	672	167	1,870	541	1,522	362	431
34	Providence, R. I	11,760	80	71	325	422	1,635	857	362
35	Birmingham, Ala	4,058	1,131	----------	1,799	343	37	240	1,564
36	Dallas, Tex	6,537	49	----------	531	532	1,119	411	838
37	San Antonio, Tex	6,266	84	----------	792	170	1,099	104	804
38	Omaha, Nebr	7,951	201	----------	1,330	201	3,288	557	290
39	Syracuse, N. Y	8,757	419	561	4,181	221	975	216	1,420
40	Memphis, Tenn	5,722	394	----------	232	294	1,324	164	687
41	Dayton, Ohio	6,959	432	58	719	370	751	339	247
42	Worcester, Mass	9,300	55	2,119	279	908	1,020	179	367
43	Richmond, Va	6,122	734	78	162	118	2,384	757	659

INDIVIDUAL CITIES OF 100,000 OR MORE INHABITANTS IN 1929—Continued

in thousands of dollars]

Per capita revenue receipts			Per capita governmental-cost payments for operation, maintenance, and interest						City	City number in order of size
			Total			Interest				
1922	1928	1929	1922	1928	1929	1922	1928	1929		
$42.59	$54.08	$50.41	$29.48	$35.70	$37.21	$1.54	$1.78	$1.93	Fort Wayne, Ind	75
26.13	45.95	46.39	23.36	35.44	36.75	1.42	3.95	4.47	Reading, Pa	76
44.05	43.29	44.59	29.48	29.20	29.64	4.72	4.10	3.76	Wichita, Kans	77
32.50	44.95	45.07	25.45	36.36	36.26	2.99	4.65	4.65	Wilmington, Del	78
61.58	79.02	77.65	43.97	57.22	55.59	4.53	6.33	6.11	Tacoma, Wash	79
42.26	60.34	58.76	30.68	39.94	41.18	7.47	9.41	8.88	Canton, Ohio	80
33.32	43.50	44.20	28.26	36.37	37.60	2.20	2.70	2.98	Somerville, Mass	81
31.20	49.07	42.85	33.33	38.15	39.94	6.77	9.79	10.64	Knoxville, Tenn	82
32.87	32.93	35.68	25.48	25.52	26.87	1.04	1.39	2.26	Peoria, Ill	83
40.91	50.92	53.07	35.72	43.10	45.40	3.33	3.40	3.79	Lynn, Mass	84
40.90	73.36	63.72	30.35	33.81	33.66	2.29	2.72	2.68	South Bend, Ind	85
41.66	52.83	52.49	38.93	47.23	45 41	3.00	3.22	3.36	Lowell, Mass	86
35.65	56.07	55.87	29.99	43.89	46.39	2.02	4.81	5.33	Utica, N. Y	87
54.34	75.33	76.16	36.58	51.98	55.39	4.18	6.25	5.96	Duluth, Minn	88
34.27	44.07	46.74	23.64	29.29	31.13	1.36	1.80	1.94	Evansville, Ind	89

INDIVIDUAL CITIES OF 100,000 OR MORE INHABITANTS, 1929

Receipts from borrowing are not included.

Per capita revenue receipts (dollars) from—								City	City number in order of size
Taxes			Special assessments and charges for outlays	Earnings of—		Highway privileges, rents, and interest	All other		
General property	License	Other		General departments	Public service enterprises				
63.87	3.89	4.56	2.84	0.83	5.54	7.85	7.68	New York, N. Y	1
8.64	2.96	.04	7.31	1.86	4.26	3.83	1.52	Chicago, Ill	2
49.43	.71	.02	.06	2.11	4.35	8.81	2.18	Philadelphia, Pa	3
59.19	2.29	.41	9.74	4.49	22.81	1.40	5.91	Detroit, Mich	4
69.14	4.77	----------	28.83	3.05	21.68	2.76	6.41	Los Angeles, Calif	5
55.72	2.39	.46	7.89	3.11	10.53	2.88	1.28	Cleveland, Ohio	6
30.03	3.34	----------	7.68	1.07	5.05	3.41	1.41	St. Louis, Mo	7
38.52	2.16	1.28	1.23	.97	6.08	3.90	2.30	Baltimore, Md	8
66.81	.68	13.72	.76	2.78	6.32	7.26	1.97	Boston, Mass	9
66.18	.83	.50	1.22	1.88	4.77	3.53	3.18	Pittsburgh, Pa	10
50.95	3.48	----------	3.70	2.15	9.37	1.79	4.85	San Francisco, Calif	11
51.99	1.35	6.90	8.69	4.19	4.81	1.09	4.46	Milwaukee, Wis	12
56.29	2.19	2.62	4.73	1.53	4.74	2.19	7.42	Buffalo, N. Y	13
49.42	9.92	.01	1.63	3.04	2.84	.34	20.92	Washington, D. C	14
48.59	.80	.29	5.97	1.70	2.47	1.45	4.92	Minneapolis, Minn	15
35.80	2.78	.25	3.46	1.69	6.61	1.99	2.95	New Orleans, La	16
51.97	3.97	1.23	3.06	4.25	6.38	11.23	2.56	Cincinnati, Ohio	17
64.49	2.59	1.00	3.71	3.60	6.94	4.19	8.46	Newark, N. J	18
42.33	3.74	----------	1.80	1.92	5.63	2.94	2.48	Kansas City, Mo	19
51.55	.51	----------	15.26	2.28	40.95	1.30	6.76	Seattle, Wash	20
46.00	.60	.13	4.53	2.14	.14	.49	2.12	Indianapolis, Ind	21
59.64	3.38	3.66	7.00	2.65	4.93	2.11	7.86	Rochester, N. Y	22
57.66	3.99	.76	.92	1.74	8.47	4.24	6.67	Jersey City, N. J	23
34.87	2.49	----------	4.11	2.00	5.94	1.69	2.61	Louisville, Ky	24
37.84	.86	----------	12.86	1.71	7.40	2.05	6.57	Portland, Oreg	25
42.76	2.91	.27	8.13	1.26	5.56	2.55	.86	Toledo, Ohio	26
35.63	2.71	.48	6.25	1.22	6.59	2.87	.90	Columbus, Ohio	27
43.78	1.65	----------	4.67	3.04	10.33	1.56	1.39	Denver, Colo	28
32.33	.31	----------	.14	1.34	3.80	2.16	3.39	Houston, Tex	29
37.91	1.75	----------	7.92	1.23	7.12	1.08	11.15	Oakland, Calif	30
34.60	2.13	.08	6.39	1.07	4.13	3.08	7.28	St. Paul, Minn	31
22.67	2.67	.30	3.20	1.79	7.08	1.67	2.38	Atlanta, Ga	32
34.96	2.65	.66	7.38	2.14	6.91	1.43	1.70	Akron, Ohio	33
46.72	.32	.28	1.29	1.68	6.50	3.41	1.43	Providence, R. I	34
16.15	4.50	----------	7.16	1.37	.15	.96	6.22	Birmingham, Ala	35
26.47	.20	----------	2.15	2.15	4.53	1.67	3.39	Dallas, Tex	36
28.17	.38	----------	3.56	.76	4.94	.74	3.61	San Antonio, Tex	37
37.43	.94	----------	6.26	.95	15.48	2.62	1.37	Omaha, Nebr	38
42.27	2.02	2.71	20.18	1.07	4.71	1.04	6.85	Syracuse, N. Y	39
27.84	1.92	----------	1.13	1.43	6.44	.80	3.84	Memphis, Tenn	40
35.24	2.19	.29	3.64	1.87	3.80	1.71	1.24	Dayton, Ohio	41
47.94	.28	10.93	1.44	4.68	5.26	.93	1.89	Worcester, Mass	42
33.00	4.03	.43	.89	.65	13.08	4.15	3.62	Richmond, Va	43

No. 230.—Principal Sources of Revenue Receipts of Indi

City number in order of size	City	Amount of revenue receipts (thousands of dollars) from—							
		Taxes			Special assessments and charges for outlays	Earnings of—		Highway privileges, rents, and interest	All other
		General property	License	Other		General departments	Public service enterprises		
44	Oklahoma City, Okla.	3,067	234	---	1,479	199	794	408	271
45	Grand Rapids, Mich.	6,905	75	---	2,141	417	995	196	942
46	New Haven, Conn.	7,319	62	250	127	375	2	200	256
47	Fort Worth, Tex.	4,036	32	---	153	208	957	173	539
48	Hartford, Conn.	7,846	363	1,498	191	277	1,462	286	294
49	Youngstown, Ohio	6,835	358	73	916	164	748	259	240
50	Nashville, Tenn.	3,743	166	---	225	162	642	201	938
51	Springfield, Mass.	7,854	70	1,800	130	330	733	68	263
52	Flint, Mich.	5,995	44	---	1,551	671	787	171	855
53	Bridgeport, Conn.	7,809	44	197	46	206	26	56	212
54	Scranton, Pa.	4,408	57	112	89	97	2	154	513
55	San Diego, Calif.	4,350	106	---	4,201	216	1,779	222	1,441
56	Des Moines, Iowa	5,800	55	---	287	137	822	97	142
57	Salt Lake City, Utah	3,857	141	---	390	181	584	88	946
58	Paterson, N. J.	5,667	401	69	209	279	---	407	638
59	Long Beach, Calif.	5,102	249	---	2,172	135	3,753	1,753	1,328
60	Yonkers, N. Y.	8,308	209	515	341	80	794	131	1,020
61	Norfolk, Va.	4,834	538	14	14	107	1,087	781	337
62	Jacksonville, Fla.	3,920	160	7	317	170	3,468	142	204
63	Tulsa, Okla.	1,681	219	---	797	24	883	280	224
64	Albany, N. Y.	6,002	187	391	747	39	759	102	583
65	Trenton, N. J.	5,160	163	77	247	296	684	379	583
66	Kansas City, Kans.	3,974	109	---	628	36	2,141	185	60
67	Camden, N. J.	4,055	407	110	498	108	750	359	516
68	Miami, Fla.	4,010	255	16	809	198	381	120	272
69	Fall River, Mass.	4,803	22	1,330	5	149	383	114	155
70	Spokane, Wash.	2,958	28	---	206	213	669	143	1,032
71	Erie, Pa.	3,711	31	182	424	68	673	89	312
72	New Bedford, Mass.	5,223	28	1,566	27	220	452	71	198
73	Elizabeth, N. J.	3,284	189	40	638	91	11	378	468
74	Cambridge, Mass.	5,388	71	1,109	23	269	593	151	90
75	Fort Wayne, Ind.	3,584	40	55	406	88	1,293	48	182
76	Reading, Pa.	3,590	61	113	120	122	745	95	208
77	Wichita, Kans.	3,403	121	---	961	141	20	70	113
78	Wilmington, Del.	2,498	113	(1)	120	39	574	105	1,437
79	Tacoma, Wash.	2,640	46	---	489	285	3,057	201	928
80	Canton, Ohio	4,160	280	65	567	138	438	268	183
81	Somerville, Mass.	3,105	22	705	77	126	409	22	90
82	Knoxville, Tenn.	2,799	109	---	188	143	657	68	454
83	Peoria, Ill.	2,833	142	---	422	85	3	44	143
84	Lynn, Mass.	3,512	37	883	50	206	564	68	98
85	South Bend, Ind.	3,443	40	17	2,127	79	536	58	193
86	Lowell, Mass.	3,587	26	934	38	169	391	18	170
87	Utica, N. Y.	4,103	112	232	436	39	13	60	671
88	Duluth, Minn.	4,895	53	12	722	150	1,394	160	329
89	Evansville, Ind.	3,068	44	21	565	81	716	55	171

[1] Less than $500. [2] Less than one-half of 1 cent.

No. 231.—GOVERNMENTAL-COST PAYMENTS FOR EXPENSES OF THE SEV

Note.—For total expenses of general departments and

City number in order of size	City	Amount of governmental-cost payments (thousands of dollars for)—							
		General government	Protection to person and property	Health and sanitation	Highways	Charities, hospitals, and corrections	Education		Recreation	Miscellaneous
							Schools	Libraries		
1	New York, N. Y.	38,436	70,216	42,553	26,305	26,030	136,801	3,010	8,321	28,921
2	Chicago, Ill.	15,496	29,503	19,306	13,229	4,300	48,160	1,750	8,243	8,792
3	Philadelphia, Pa.	11,064	17,280	9,422	7,981	9,055	26,884	786	5,279	4,987
4	Detroit, Mich.	5,569	15,986	8,955	9,303	6,809	22,374	1,090	2,778	2,733
5	Los Angeles, Calif.	7,700	12,709	4,664	6,950	6,142	23,974	1,159	2,151	6,845
6	Cleveland, Ohio	3,795	7,397	3,848	4,756	2,167	16,991	1,519	775	2,246
7	St. Louis, Mo.	2,237	8,102	2,526	3,018	2,977	10,946	488	1,494	468
8	Baltimore, Md.	3,232	7,416	3,497	3,333	1,894	8,717	369	1,134	1,423
9	Boston, Mass.	4,191	10,746	5,703	3,616	6,383	16,307	1,089	2,728	3,108
10	Pittsburgh, Pa.	4,770	5,637	3,615	4,132	2,528	11,233	597	1,232	2,080
11	San Francisco, Calif.	2,797	7,498	1,424	1,920	3,199	8,131	241	1,587	1,797
12	Milwaukee, Wis.	2,309	4,686	4,074	2,953	2,324	8,674	305	1,876	1,012
13	Buffalo, N. Y.	2,586	6,351	3,582	1,846	3,699	11,226	431	1,305	2,518

VIDUAL CITIES OF 100,000 OR MORE INHABITANTS, 1929—Continued

Per capita revenue receipts (dollars) from—								City number in order of size
Taxes			Special assessments and charges for outlays	Earnings of—		Highway privileges, rents, and interest	All other	City
General property	License	Other		General departments	Public service enterprises			
17.62	1.34	---	8.49	1.14	4.56	2.34	1.55	Oklahoma City, Okla	44
41.85	.45	---	12.97	2.53	6.03	1.19	5.71	Grand Rapids, Mich	45
45.01	.38	1.53	.78	2.31	.01	1.23	1.58	New Haven, Conn	46
28.83	.20	---	.95	1.29	5.95	1.08	3.35	Fort Worth, Tex	47
48.94	2.27	9.35	1.19	1.73	9.12	1.78	1.84	Hartford, Conn	48
44.55	2.33	.48	5.97	1.07	4.88	1.69	1.57	Youngstown, Ohio	49
24.46	1.08	---	1.47	1.06	4.20	1.31	6.13	Nashville, Tenn	50
52.96	.47	12.14	.88	2.22	4.94	.46	1.78	Springfield, Mass	51
40.73	.30	---	10.54	4.56	5.34	1.16	5.80	Flint, Mich	52
53.38	.30	1.35	.32	1.41	.18	.38	1.45	Bridgeport, Conn	53
30.79	.40	.78	.62	.08	.01	1.08	3.59	Scranton, Pa	54
31.01	.76	---	29.94	1.54	12.68	1.58	10.27	San Diego, Calif	55
41.41	.39	---	2.05	.08	5.86	.69	1.01	Des Moines, Iowa	56
27.81	1.02	---	2.81	1.31	4.21	.64	6.81	Salt Lake City, Utah	57
40.98	2.90	.49	1.51	2.02	---	2.94	4.98	Paterson, N. J	58
38.87	1.88	---	10.35	1.02	28.26	13.20	10.00	Long Beach, Calif	59
62.90	1.58	3.90	2.58	.60	6.01	.99	7.72	Yonkers, N. Y	60
36.93	4.11	.11	.11	.81	8.31	5.97	2.58	Norfolk, Va	61
30.58	1.24	.06	2.47	1.33	27.05	1.10	1.60	Jacksonville, Fla	62
13.16	1.71	---	6.24	.19	6.92	2.19	1.75	Tulsa, Okla	63
47.49	1.48	3.09	5.91	.31	6.01	.81	4.61	Albany, N. Y	64
41.92	1.32	.63	2.00	2.40	5.55	3.08	4.74	Trenton, N. J	65
32.79	.90	---	5.18	.30	17.66	1.53	.49	Kansas City, Kans	66
34.22	3.44	.98	4.20	.91	6.33	3.03	4.35	Camden, N. J	67
41.47	2.16	.13	6.83	1.68	3.22	1.01	2.30	Miami, Fla	68
41.51	.19	11.49	.05	1.29	3.31	.99	1.34	Fall River, Mass	69
25.72	.24	---	1.79	1.85	5.82	1.24	8.97	Spokane, Wash	70
32.27	.26	1.58	3.69	.59	5.85	.78	2.71	Erie, Pa	71
46.10	.25	13.82	.24	1.64	3.99	.62	1.75	New Bedford, Mass	72
29.01	1.66	.35	5.64	.81	.10	3.34	4.13	Elizabeth, N. J	73
47.64	.63	9.80	.20	2.37	5.24	1.34	.80	Cambridge, Mass	74
31.72	.35	.49	3.60	.78	11.44	.42	1.61	Fort Wayne, Ind	75
32.37	.55	1.02	1.09	1.10	6.72	.86	2.69	Reading, Pa	76
31.42	1.12	---	8.88	1.30	.19	.65	1.04	Wichita, Kans	77
23.35	1.05	(2)	1.12	.36	5.36	.98	13.44	Wilmington, Del	78
24.86	.43	---	4.60	2.69	34.44	1.89	8.74	Tacoma, Wash	79
40.08	2.70	.63	5.47	1.33	4.22	2.58	1.76	Canton, Ohio	80
30.12	.21	6.85	.75	1.22	3.97	.22	.87	Somerville, Mass	81
27.14	1.06	---	1.82	1.38	6.38	.66	4.41	Knoxville, Tenn	82
27.53	1.38	---	4.10	.33	.03	.43	1.39	Peoria, Ill	83
34.40	.36	8.65	.49	2.02	5.52	.67	.96	Lynn, Mass	84
33.79	.39	.16	20.88	.78	5.26	.56	1.89	South Bend, Ind	85
35.31	.26	9.19	.37	1.66	3.85	.18	1.68	Lowell, Mass	86
40.46	1.10	2.29	4.30	.38	.13	.59	6.62	Utica, N. Y	87
48.32	.52	.12	7.13	1.49	13.76	1.58	3.25	Duluth, Minn	88
30.38	.44	.21	5.59	.81	7.09	.54	1.69	Evansville, Ind	89

Source: Bureau of the Census, Department of Commerce.

ERAL DEPARTMENTS OF CITIES OF 100,000 OR MORE INHABITANTS, 1929

other governmental-cost payments, see Table 229

Per capita governmental-cost payments (dollars) for—								City number in order of size
General government	Protection to person and property	Health and sanitation	Highways	Charities, hospitals, and corrections	Education		Recreation	Miscellaneous	City
					Schools	Libraries			
5.62	10.27	6.23	3.85	3.94	20.02	0.44	1.22	4.23	New York, N. Y	1
4.66	8.87	5.80	3.98	1.29	14.47	.53	2.48	2.64	Chicago, Ill	2
5.70	8.91	4.85	4.11	4.66	13.85	.40	2.72	2.57	Philadelphia, Pa	3
3.75	10.77	6.03	6.27	4.59	15.07	.73	1.87	1.84	Detroit, Mich	4
6.62	10.93	4.01	5.97	5.28	20.61	1.00	1.85	5.88	Los Angeles, Calif	5
4.25	8.27	4.30	5.32	2.43	19.01	1.70	.87	2.51	Cleveland, Ohio	6
3.97	9.94	3.10	3.70	3.65	13.43	.60	1.83	.57	St. Louis, Mo	7
2.79	9.27	4.38	4.17	2.37	10.90	.46	1.42	1.78	Baltimore, Md	8
5.38	13.81	7.33	4.65	8.20	20.94	1.40	3.50	3.99	Boston, Mass	9
7.16	8.46	5.42	6.20	3.79	16.86	.90	1.85	3.12	Pittsburgh, Pa	10
4.52	12.11	2.30	3.11	5.17	13.14	.39	2.50	2.90	San Francisco, Calif	11
4.05	8.22	7.14	5.19	4.08	15.22	.54	3.29	1.78	Milwaukee, Wis	12
4.58	11.24	6.34	3.27	6.55	19.87	.76	2.31	4.46	Buffalo, N. Y	13

No. 231.—GOVERNMENTAL-COST PAYMENTS FOR EXPENSES OF THE SEVERAL

City number in order of size	City	Amount of governmental-cost payments (thousands of dollars) for—								
		General government	Protection to person and property	Health and sanitation	Highways	Charities, hospitals, and corrections	Education		Recreation	Miscellaneous
							Schools	Libraries		
14	Washington, D. C.	1,621	5,685	2,514	3,516	4,277	8,708	312	1,596	1,108
15	Minneapolis, Minn.	1,452	2,804	1,765	1,816	1,110	7,961	460	927	945
16	New Orleans, La.	1,440	3,722	1,667	1,222	391	4,161	76	319	997
17	Cincinnati, Ohio	2,229	2,867	1,497	2,143	1,797	8,771	338	420	1,476
18	Newark, N. J.	2,735	6,418	3,612	1,999	3,284	9,472	463	864	1,045
19	Kansas City, Mo.	2,251	2,582	966	1,851	1,618	5,905	249	446	318
20	Seattle, Wash.	1,896	3,588	1,560	1,951	719	5,562	330	457	615
21	Indianapolis, Ind.	1,063	3,533	1,203	1,076	758	5,395	339	571	472
22	Rochester, N. Y.	1,770	3,077	2,596	1,751	1,437	7,335	263	781	1,471
23	Jersey City, N. J.	2,192	5,184	1,751	1,160	2,248	5,137	264	579	944
24	Louisville, Ky.	780	1,924	1,375	1,016	1,018	3,721	183	338	284
25	Portland, Oreg.	435	2,617	670	785	63	4,571	-------	418	258
26	Toledo, Ohio	534	2,375	745	1,343	221	4,724	236	204	449
27	Columbus, Ohio	487	1,598	856	747	93	4,289	108	136	470
28	Denver, Colo.	1,261	2,209	734	1,144	859	4,813	259	853	492
29	Houston, Tex.	348	1,364	895	801	296	3,439	57	256	116
30	Oakland, Calif.	557	2,369	532	568	20	5,762	170	449	185
31	St. Paul, Minn.	514	1,856	470	734	357	3,296	227	415	287
32	Atlanta, Ga.	336	1,732	912	716	709	3,078	121	234	176
33	Akron, Ohio	363	897	578	891	138	3,885	70	24	284
34	Providence, R. I.	540	2,617	1,147	1,026	326	3,862	53	299	412
35	Birmingham, Ala.	266	1,508	525	429	45	2,596	120	214	85
36	Dallas, Tex.	361	1,363	704	686	312	2,823	28	202	65
37	San Antonio, Tex.	369	1,068	545	774	103	2,265	37	207	95
38	Omaha, Nebr.	361	1,695	351	447	-------	3,195	93	181	208
39	Syracuse, N. Y.	615	1,824	1,053	1,024	676	3,497	138	268	777
40	Memphis, Tenn.	234	1,171	644	524	425	2,007	71	352	67
41	Dayton, Ohio	374	998	470	489	322	2,549	196	192	259
42	Worcester, Mass.	416	2,031	825	1,114	1,152	3,616	184	255	381
43	Richmond, Va.	583	1,217	615	520	260	2,182	63	149	133
44	Oklahoma City, Okla.	148	589	217	152	45	1,754	36	58	120
45	Grand Rapids, Mich.	281	1,144	467	390	124	3,183	178	277	75
46	New Haven Conn.	426	1,771	515	449	344	3,039	116	238	273
47	Fort Worth, Tex.	182	957	364	328	152	1,827	32	286	32
48	Hartford, Conn.	491	1,673	372	683	329	3,139	90	309	240
49	Youngstown, Ohio	328	751	244	571	114	2,804	104	208	249
50	Nashville, Tenn.	213	888	330	293	266	1,236	45	147	75
51	Springfield, Mass.	397	1,639	931	710	287	3,231	196	404	244
52	Flint, Mich.	230	942	585	282	626	2,444	113	106	19
53	Bridgeport, Conn.	392	1,716	589	307	402	2,236	150	212	231
54	Scranton, Pa.	209	901	386	367	-------	2,262	31	149	203
55	San Diego, Calif.	439	911	453	461	27	2,247	90	236	131
56	Des Moines, Iowa	199	843	302	481	10	2,586	118	150	143
57	Salt Lake City, Utah	260	549	237	428	37	2,271	80	229	53
58	Paterson, N. J.	220	1,419	743	220	157	2,896	80	126	285
59	Long Beach, Calif.	419	988	436	519	45	2,812	126	397	196
60	Yonkers, N. Y.	568	1,409	1,124	854	541	3,203	52	220	469
61	Norfolk, Va.	350	1,285	461	230	199	1,448	37	76	124
62	Jacksonville, Fla.	241	935	536	582	68	1,296	50	217	221
63	Tulsa, Okla.	162	702	285	154	2	2,185	57	108	37
64	Albany, N. Y.	363	1,160	727	548	369	1,626	111	296	304
65	Trenton, N. J.	233	1,324	636	477	174	2,293	89	210	165
66	Kansas City, Kans.	152	630	143	207	22	1,514	42	69	74
67	Camden, N. J.	251	1,170	374	361	120	2,210	44	112	228
68	Miami, Fla.	272	928	421	497	438	935	30	174	287
69	Fall River, Mass.	219	982	467	333	577	1,864	68	114	246
70	Spokane, Wash.	169	643	286	321	40	1,836	72	146	95
71	Erie, Pa.	241	559	228	317	2	1,671	52	34	128
72	New Bedford, Mass.	245	1,191	610	383	422	1,854	70	105	233
73	Elizabeth, N. J.	199	967	364	279	93	1,810	57	76	142
74	Cambridge, Mass.	312	1,110	929	550	465	1,780	88	259	356
75	Fort Wayne, Ind.	122	646	165	234	-------	1,644	123	135	83
76	Reading, Pa.	197	441	277	384	(1)	1,625	43	124	164
77	Wichita, Kans.	82	506	175	152	32	1,619	43	149	31
78	Wilmington, Del.	236	671	312	165	7	1,315	52	109	68
79	Tacoma, Wash.	241	823	271	379	25	1,523	67	154	135
80	Canton, Ohio	219	458	207	442	55	1,562	17	66	126
81	Somerville, Mass.	174	690	416	241	156	1,313	74	129	220
82	Knoxville, Tenn.	152	553	241	320	274	1,097	42	39	58
83	Peoria, Ill.	228	474	283	208	-------	1,059	59	139	79
84	Lynn, Mass.	164	770	422	398	184	1,466	65	194	240
85	South Bend, Ind.	134	615	152	229	37	1,500	61	136	53
86	Lowell, Mass.	235	846	391	358	327	1,400	42	57	276
87	Utica, N. Y.	261	836	439	334	225	1,621	82	109	256
88	Duluth, Minn.	292	689	181	353	34	2,997	79	137	137
89	Evansville, Ind.	138	655	153	136	21	1,125	88	135	63

[1] Less than $500.

[2] Less than one-half of 1 cent.

DEPARTMENTS OF CITIES OF 100,000 OR MORE INHABITANTS, 1929—Continued

Per capita governmental-cost payments (dollars) for—									City	City number in order of size
General government	Protection to person and property	Health and sanitation	Highways	Charities, hospitals, and corrections	Education		Recreation	Miscellaneous		
					Schools	Libraries				
3.37	11.82	5.23	7.31	8.89	18.11	0.65	3.32	2.30	Washington, D. C.	14
3.16	6.11	3.84	3.96	2.42	17.36	1.00	2.02	2.06	Minneapolis, Minn.	15
3.18	8.21	3.68	2.70	.86	9.17	.17	.70	2.20	New Orleans, La.	16
4.98	6.41	3.34	4.79	4.02	19.60	.76	.94	3.30	Cincinnati, Ohio	17
6.21	14.58	8.20	4.54	7.46	21.51	1.05	1.96	2.37	Newark, N. J.	18
5.78	6.64	2.48	4.76	4.16	15.17	.64	1.14	.82	Kansas City, Mo.	19
5.24	9.91	4.31	5.39	1.99	15.37	.91	1.26	1.70	Seattle, Wash.	20
2.95	9.99	3.50	2.99	2.10	14.95	.94	1.58	1.31	Indianapolis, Ind.	21
5.43	9.45	7.06	5.37	4.41	22.51	.81	2.40	4.52	Rochester, N. Y.	22
6.95	16.43	5.55	3.68	7.13	16.29	.84	1.84	2.99	Jersey City, N. J.	23
2.54	6.26	4.48	3.31	3.31	12.11	.60	1.10	.92	Louisville, Ky.	24
1.46	8.77	2.25	2.63	.21	15.32		1.40	.86	Portland, Oreg.	25
1.85	8.24	2.58	4.66	.77	16.40	.82	.71	1.56	Toledo, Ohio	26
1.69	5.56	2.98	2.59	.32	14.91	.37	.47	1.67	Columbus, Ohio	27
4.41	7.74	2.57	4.00	3.01	16.85	.91	2.99	1.72	Denver, Colo.	28
1.23	4.81	3.16	2.83	1.05	12.13	.20	.90	.41	Houston, Tex.	29
2.02	8.59	1.93	2.06	.07	20.89	.62	1.63	.67	Oakland, Calif.	30
1.91	6.90	1.75	2.73	1.33	12.26	.84	1.54	1.07	St. Paul, Minn.	31
1.26	6.51	3.43	2.69	2.66	11.56	.45	.88	.66	Atlanta, Ga.	32
1.44	3.54	2.28	3.52	.54	15.34	.28	.09	1.12	Akron, Ohio	33
2.17	10.40	4.56	4.07	1.30	15.35	.21	1.19	1.64	Providence, R. I.	34
1.06	6.00	2.09	1.70	.18	10.33	.48	.85	.34	Birmingham, Ala.	35
1.46	5.52	2.85	2.78	1.26	11.43	.12	1.18	.26	Dallas, Tex.	36
1.66	4.80	2.46	3.48	.46	10.19	.17	.93	.43	San Antonio, Tex.	37
1.70	7.99	1.65	2.10		15.04	.44	.85	1.40	Omaha, Nebr.	38
2.97	8.80	5.08	4.94	3.26	16.88	.67	1.29	3.75	Syracuse, N. Y.	39
1.14	5.70	3.13	2.55	2.07	9.77	.35	1.71	.33	Memphis, Tenn.	40
1.89	5.05	2.38	2.48	1.63	12.91	.99	.97	1.31	Dayton, Ohio	41
2.15	10.47	4.25	5.74	5.94	18.64	.95	1.31	1.97	Worcester, Mass.	42
3.20	6.68	3.38	2.85	1.43	11.08	.34	.82	.73	Richmond, Va.	43
.85	3.39	1.25	.87	.26	10.08	.21	.33	.69	Oklahoma City, Okla.	44
1.70	6.93	2.83	2.36	.75	19.20	1.08	1.68	.46	Grand Rapids, Mich.	45
2.62	10.90	3.16	2.76	2.11	18.69	.71	1.77	1.68	New Haven, Conn.	46
1.13	5.95	2.26	2.04	.95	11.36	.20	1.78	.20	Fort Worth, Tex.	47
3.06	10.44	5.44	4.26	2.05	19.58	.56	2.49	1.50	Hartford, Conn.	48
2.14	4.90	1.59	3.72	.74	18.28	.68	1.36	1.63	Youngstown, Ohio	49
1.39	5.80	2.16	1.92	1.74	8.08	.30	.96	.49	Nashville, Tenn.	50
2.67	11.05	6.28	4.78	1.94	21.79	1.33	2.72	1.64	Springfield, Mass.	51
1.56	6.40	3.97	1.92	4.25	16.60	.77	.72	.13	Flint, Mich.	52
2.68	11.73	4.62	2.10	2.75	15.29	1.02	1.45	1.58	Bridgeport, Conn.	53
1.46	6.30	2.70	2.57		15.82	.22	1.04	1.42	Scranton, Pa.	54
3.13	6.49	3.22	3.28	.20	16.02	.64	1.69	.93	San Diego, Calif.	55
1.42	6.01	2.15	3.43	.07	18.44	.84	1.07	1.02	Des Moines, Iowa	56
2.09	3.95	1.71	3.09	.27	16.38	.38	1.65	.38	Salt Lake City, Utah	57
1.59	10.25	5.37	1.46	1.14	20.94	.58	.91	2.06	Paterson, N. J.	58
3.15	7.44	3.29	3.90	.34	21.18	.95	2.99	1.47	Long Beach, Calif.	59
4.30	10.67	8.51	6.40	4.09	24.25	.39	1.66	3.55	Yonkers, N. Y.	60
2.67	9.82	3.52	1.76	1.52	11.07	.23	.58	.95	Norfolk, Va.	61
1.88	7.29	4.18	4.54	.53	10.11	.39	1.69	1.73	Jacksonville, Fla.	62
1.27	5.50	2.23	1.20	.01	17.11	.45	.85	.29	Tulsa, Okla.	63
2.87	9.17	5.75	4.34	2.92	12.86	.88	2.34	2.41	Albany, N. Y.	64
1.89	10.76	5.16	3.87	1.41	18.63	.72	1.70	1.34	Trenton, N. J.	65
1.25	5.20	1.19	1.71	.18	12.49	.34	.57	.61	Kansas City, Kans.	66
2.12	9.88	3.16	3.04	1.02	18.65	.37	.95	1.92	Camden, N. J.	67
2.29	7.84	3.56	4.20	3.70	7.89	.25	1.47	2.43	Miami, Fla.	68
1.89	8.49	4.03	2.88	4.99	16.11	.59	.99	2.12	Fall River, Mass.	69
1.47	5.60	2.48	2.79	.34	15.96	.63	1.27	.82	Spokane, Wash.	70
2.10	4.87	1.99	2.75	.01	14.53	.45	.30	1.12	Erie, Pa.	71
2.16	9.71	5.39	3.38	3.72	16.36	.02	.93	2.06	New Bedford, Mass.	72
1.76	8.55	3.21	2.46	.82	15.99	.50	.67	1.26	Elizabeth, N. J.	73
2.75	9.82	8.21	4.86	4.11	15.74	.78	2.29	3.14	Cambridge, Mass.	74
1.09	5.71	1.47	2.07		14.55	1.09	1.20	.73	Fort Wayne, Ind.	75
1.78	3.99	2.50	3.45	(2)	14.65	.38	1.12	1.48	Reading, Pa.	76
.76	4.67	1.62	1.40	.29	14.95	.39	1.38	.29	Wichita, Kans.	77
2.21	6.28	2.91	1.54	.06	12.29	.49	1.02	.63	Wilmington, Del.	78
2.27	7.75	2.55	3.57	.23	14.35	.63	1.45	1.27	Tacoma, Wash.	79
2.11	4.42	1.99	4.26	.53	15.04	.16	.64	1.22	Canton, Ohio	80
1.69	6.69	4.03	2.33	1.52	12.74	.72	1.25	2.13	Somerville, Mass.	81
1.48	5.36	2.34	3.10	2.66	10.64	.41	.37	.56	Knoxville, Tenn.	82
2.22	4.61	2.75	2.02		10.29	.58	1.34	.77	Peoria, Ill.	83
1.60	7.54	4.14	3.89	1.80	14.36	.63	1.90	2.36	Lynn, Mass.	84
1.32	6.04	1.49	2.24	.36	14.72	.60	1.33	.53	South Bend, Ind.	85
2.31	8.33	3.84	3.53	3.22	13.78	.42	.50	2.72	Lowell, Mass.	86
2.57	8.25	4.33	3.30	2.22	15.99	.81	1.08	2.52	Utica, N. Y.	87
2.88	6.80	1.79	3.49	.34	20.70	.78	1.36	1.35	Duluth, Minn.	88
1.37	6.48	1.51	1.34	.21	11.14	.87	1.34	.62	Evansville, Ind.	89

Source: Bureau of the Census, Department of Commerce.

No. 232.—NET DEBT OF CITIES OF 100,000 OR MORE INHABITANTS IN 1929

City number in order of size	City	Amount (thousands of dollars)				Per capita (dollars)			
		1915	1922	1928	1929	1915	1922	1928	1929
1	New York, N. Y.	921,754	1,067,021	1,477,425	1,546,859	172.82	182.72	219.51	226.33
2	Chicago, Ill.	65,911	131,341	304,195	306,269	27.49	46.35	93.27	92.04
3	Philadelphia, Pa.	101,864	195,846	416,916	436,249	61.44	103.38	215.13	224.67
4	Detroit, Mich.	18,377	122,587	239,831	247,047	33.65	123.37	169.58	166.45
5	Los Angeles, Calif.	42,673	68,826	207,128	214,932	94.38	110.59	188.57	184.76
6	Cleveland, Ohio	57,074	116,089	128,023	138,445	89.26	135.85	144.59	154.93
7	St. Louis, Mo.	21,919	14,183	39,509	46,691	29.72	17.99	48.76	57.29
8	Baltimore, Md.	59,614	79,911	137,795	148,959	102.86	104.84	174.40	186.27
9	Boston, Mass.	83,096	84,678	104,133	105,655	113.10	110.76	133.95	135.66
10	Pittsburgh, Pa.	51,932	74,849	125,301	129,230	91.93	123.13	189.45	193.95
11	San Francisco, Calif.	42,636	71,058	87,564	91,689	94.27	135.30	145.99	148.17
12	Milwaukee, Wis.	14,381	31,954	54,191	61,836	34.27	66.97	99.00	108.48
13	Buffalo, N. Y.	32,748	44,014	82,263	100,113	71.54	84.01	147.45	177.19
14	Washington, D. C.	6,223	156	----------	----------	17.48	.36	----------	----------
15	Minneapolis, Minn.	19,007	37,204	52,340	51,017	55.34	92.78	116.42	111.22
16	New Orleans, La.	42,846	40,416	61,149	67,173	118.61	100.79	137.69	148.12
17	Cincinnati, Ohio	59,839	81,470	81,221	81,383	148.79	201.23	184.13	181.86
18	Newark, N. J.	36,961	48,998	84,370	93,727	94.99	113.48	192.10	212.87
19	Kansas City, Mo.	9,768	15,542	44,263	47,130	34.32	45.88	117.53	121.06
20	Seattle, Wash.	31,029	58,435	76,072	80,354	99.12	185.11	214.29	222.03
21	Indianapolis, Ind.	4,850	24,456	31,420	34,479	18.67	73.00	88.58	95.56
22	Rochester, N. Y.	11,570	24,180	45,368	47,101	47.21	77.61	141.69	144.57
23	Jersey City, N. J.	19,521	36,387	63,842	70,197	66.53	118.94	204.23	222.57
24	Louisville, Ky.	11,865	12,378	25,210	25,069	50.00	52.31	82.15	81.58
25	Portland, Oreg.	16,022	25,585	46,080	47,027	61.72	95.16	158.35	157.60
26	Toledo, Ohio	10,000	26,690	32,240	39,466	54.31	102.37	114.02	137.04
27	Columbus, Ohio	10,044	21,843	27,524	28,410	49.10	85.51	97.57	98.75
28	Denver, Colo.	908	16,495	31,773	31,576	3.70	61.64	112.55	110.56
29	Houston, Tex.	9,858	15,459	42,112	41,211	94.13	103.00	156.61	145.42
30	Oakland, Calif.	9,927	11,768	35,529	48,423	53.11	51.19	131.93	175.57
31	St. Paul, Minn.	10,580	13,014	26,745	29,058	44.60	54.26	101.04	108.06
32	Atlanta, Ga.	4,920	7,054	14,020	15,389	27.44	32.32	54.45	57.81
33	Akron, Ohio	6,860	23,338	37,755	40,513	85.43	111.97	163.37	159.94
34	Providence, R. I.	13,523	13,786	29,368	30,247	55.46	57.28	118.23	120.27
35	Birmingham, Ala.	5,830	9,345	15,615	17,111	35.57	49.24	64.52	68.09
36	Dallas, Tex.	5,947	11,728	20,824	25,698	52.38	69.67	87.39	104.04
37	San Antonio, Tex.	5,634	8,035	22,561	26,523	48.20	46.13	104.64	119.26
38	Omaha, Nebr.	15,201	29,903	32,138	31,228	114.73	149.41	152.74	147.02
39	Syracuse, N. Y.	8,976	13,875	25,646	28,268	80.10	76.66	126.77	136.43
40	Memphis, Tenn.	12,289	19,453	25,756	25,553	85.80	115.89	128.14	124.34
41	Dayton, Ohio	6,009	10,480	19,443	19,446	48.54	64.76	101.16	98.46
42	Worcester, Mass.	7,530	6,175	8,829	7,882	47.86	32.82	45.65	40.63
43	Richmond, Va.	11,170	16,465	27,010	28,129	82.70	92.20	149.15	154.39
44	Oklahoma City, Okla.	4,827	8,811	21,616	20,845	56.22	90.85	134.51	119.73
45	Grand Rapids, Mich.	3,786	5,706	13,521	12,703	30.56	40.24	83.31	76.99
46	New Haven, Conn.	4,236	9,345	11,245	10,879	29.31	54.98	69.16	66.91
47	Fort Worth, Tex.	5,447	9,235	20,758	21,525	57.64	81.68	133.06	133.86
48	Hartford, Conn.	8,806	13,408	18,218	19,264	81.90	92.42	117.01	120.17
49	Youngstown, Ohio	3,950	11,171	9,361	8,663	39.27	84.40	61.87	56.47
50	Nashville, Tenn.	6,038	9,557	14,700	15,137	52.55	79.42	107.21	98.93
51	Springfield, Mass.	7,549	9,950	14,123	15,038	75.38	71.23	96.60	101.41
52	Flint, Mich.	1,581	10,120	17,903	17,860	31.64	94.89	126.71	121.33
53	Bridgeport, Conn.	2,621	10,492	14,523	15,114	22.58	69.47	90.54	103.31
54	Scranton, Pa.	2,537	2,914	7,143	6,964	17.95	20.84	50.13	48.70
55	San Diego, Calif.	10,868	12,011	16,886	18,083	222.26	143.80	126.11	133.17
56	Des Moines, Iowa	3,355	13,930	18,412	18,333	34.48	104.19	132.84	130.76
57	Salt Lake City, Utah	6,223	9,704	8,812	9,097	56.71	79.03	64.65	65.09
58	Paterson, N. J.	4,739	7,940	17,439	18,216	35.02	57.32	126.46	131.71
59	Long Beach, Calif.	(1)	5,166	18,282	18,599	(1)	81.51	146.14	140.05
60	Yonkers, N. Y.	8,631	12,444	21,612	22,918	92.42	118.04	167.28	173.49
61	Norfolk, Va.	8,234	24,268	32,896	31,685	94.31	194.28	251.50	242.06
62	Jacksonville, Fla.	3,848	7,453	15,875	15,759	54.83	76.35	125.60	122.92
63	Tulsa, Okla.	(1)	6,268	14,769	17,218	(1)	76.25	130.15	134.83
64	Albany, N. Y.	5,783	6,358	17,589	23,872	56.17	54.70	140.71	188.86
65	Trenton, N. J.	2,714	3,970	12,938	14,276	25.31	31.74	106.05	115.97
66	Kansas City, Kans.	7,555	8,999	11,779	11,144	58.94	79.08	97.69	91.95
67	Camden, N. J.	4,379	6,946	10,554	9,987	42.73	56.98	90.21	84.28
68	Miami, Fla.	(1)	5,575	28,308	29,202	(1)	162.41	227.56	246.64
69	Fall River, Mass.	5,049	7,106	10,084	8,971	40.25	58.83	87.38	77.53
70	Spokane, Wash.	7,764	6,318	4,689	4,243	57.23	60.42	41.13	36.90

[1] Not reported in 1915.

No. 232.—Net Debt of Cities of 100,000 or More Inhabitants in 1929—Con.

City number in order of size	City	Amount (thousands of dollars)				Per capita (dollars)			
		1915	1922	1928	1929	1915	1922	1928	1929
71	Erie, Pa	1,034	6,467	7,940	8,049	14.29	59.04	69.96	69.98
72	New Bedford, Mass	8,030	12,167	11,451	10,520	72.38	95.55	100.18	92.85
73	Elizabeth, N. J	3,217	3,105	4,568	5,672	38.53	30.55	41.01	50.10
74	Cambridge, Mass	7,198	5,959	7,202	7,433	95.03	53.89	63.91	65.72
75	Fort Wayne, Ind	987	2,972	4,787	5,032	13.63	32.46	43.36	44.53
76	Reading, Pa	2,115	3,698	11,283	10,841	20.46	33.61	102.66	97.75
77	Wichita, Kans	2,239	4,464	5,345	5,268	34.46	57.77	51.70	48.04
78	Wilmington, Del	5,186	9,278	10,455	11,462	56.00	81.04	98.54	107.12
79	Tacoma, Wash	9,937	7,168	11,850	13,849	96.08	71.42	112.33	130.40
80	Canton, Ohio	2,647	11,053	11,243	10,693	46.09	115.45	112.10	103.02
81	Somerville, Mass	1,616	1,459	2,344	2,648	19.26	15.01	23.03	25.68
82	Knoxville, Tenn	3,103	8,024	16,776	19,111	84.12	94.68	167.26	185.37
83	Peoria, Ill	973	1,259	932	4,495	13.90	15.99	9.34	43.69
84	Lynn, Mass	4,328	3,265	6,051	6,298	44.07	32.11	59.44	61.08
85	South Bend, Ind	1,143	3,313	5,228	5,683	17.55	44.12	53.13	55.77
86	Lowell, Mass	2,675	6,149	5,144	4,907	24.09	53.74	50.23	48.30
87	Utica, N. Y	2,114	4,429	9,411	10,043	25.77	43.59	93.27	99.05
88	Duluth, Minn	6,695	8,309	11,801	11,786	76.94	79.76	117.08	116.35
89	Evansville, Ind	1,673	2,673	5,355	5,451	23.46	30.02	53.50	53.97

Source: Bureau of the Census, Department of Commerce.

No. 233.—REVENUE RECEIPTS, GOVERNMENTAL-COST PAYMENTS, AND NET DEBT OF CITIES HAVING 30,000 TO 100,000 INHABITANTS, 1929

Note.—See headnote, Table 216. Cities are arranged in order of their estimated population in 1929

City number in order of size	City	Amount (thousands of dollars)					Per capita (dollars)			
		Total revenue receipts	Governmental-cost payments for—			Net debt	Total revenue receipts	Governmental-cost payments for—		Net debt
			Operation and maintenance	Interest	Outlays			Operation and maintenance	Interest	
90	El Paso, Tex	3,354	2,449	460	166	6,227	33.74	24.63	4.63	62.65
91	Waterbury, Conn	6,287	4,474	888	1,173	18,083	63.32	45.06	8.95	182.11
92	Gary, Ind	5,880	3,426	250	2,644	5,965	60.50	35.24	2.58	61.37
93	Tampa, Fla	5,874	3,478	1,095	578	14,305	60.40	35.82	11.27	147.33
94	Schenectady, N. Y	7,183	5,013	451	2,334	8,618	75.35	52.54	4.73	90.34
95	Sacramento, Calif	6,072	4,379	608	573	12,596	66.22	47.76	6.63	137.36
96	Allentown, Pa	3,714	2,525	317	1,778	6,802	40.55	27.56	3.46	74.26
97	Bayonne, N. J	6,151	5,312	671	648	10,549	69.82	60.29	7.62	119.74
98	Wilkes-Barre, Pa	3,532	2,786	229	811	3,961	40.88	32.24	2.65	45.85
99	Lawrence, Mass	4,603	3,669	307	384	4,545	53.71	42.82	3.58	53.04
100	Savannah, Ga	3,354	2,110	239	493	4,802	39.41	24.80	2.80	56.42
101	Rockford, Ill	3,957	2,371	375	1,084	2,208	46.83	28.06	4.44	27.20
102	Altoona, Pa	2,529	1,994	262	1,843	5,347	30.92	24.38	3.20	65.37
103	Charlotte, N. C	3,236	2,086	400	801	7,336	39.76	25.63	4.91	90.12
104	St. Joseph, Mo	2,544	1,994	245	1,218	4,993	31.61	24.77	3.05	62.03
105	Little Rock, Ark	2,727	1,665	384	693	4,359	33.88	20.69	4.78	54.15
106	Harrisburg, Pa	4,013	2,846	412	1,365	8,738	50.10	35.52	5.14	109.08
107	Berkeley, Calif	5,093	3,240	467	4,592	9,930	64.38	40.96	5.90	125.53
108	Saginaw, Mich	4,228	2,562	400	2,314	5,562	53.59	32.46	5.08	70.49
109	Chattanooga, Tenn	3,077	2,171	574	987	11,109	39.15	27.62	7.30	141.33
110	Sioux City, Iowa	3,666	2,682	228	654	3,768	46.99	34.38	2.92	48.30
111	Manchester, N. H	3,234	2,441	260	389	4,977	42.05	31.75	3.39	64.72
112	Pawtucket, R. I	3,566	2,451	663	1,522	11,511	46.80	32.16	8.71	151.07
113	Shreveport, La	3,378	1,982	387	2,343	9,678	44.45	26.07	5.10	127.34
114	Binghamton, N. Y	5,288	3,987	310	1,120	7,559	69.67	52.53	4.08	99.59
115	Lansing, Mich	7,235	3,657	330	2,063	4,796	95.57	48.31	4.36	63.36
116	Niagara Falls, N. Y	5,328	3,681	680	1,244	13,280	72.10	49.82	9.20	179.70
117	East St. Louis, Ill	2,572	1,685	311	490	2,786	34.85	22.83	4.22	37.74
118	Winston-Salem, N. C	3,360	1,906	769	1,371	13,172	45.96	26.08	10.52	180.19
119	Pasadena, Calif	9,525	4,913	616	3,219	12,483	131.02	67.58	8.47	171.71
120	Troy, N. Y	3,780	3,051	334	646	6,200	52.00	41.96	4.60	85.28

No. 233.—Revenue Receipts, Governmental-Cost Payments, and Net Debt of Cities Having 30,000 to 100,000 Inhabitants, 1929—Con.

City number in order of size	City	Amount (thousands of dollars)					Per capita (dollars)			
		Total revenue receipts	Governmental-cost payments for—			Net debt	Total revenue receipts	Governmental-cost payments for—		Net debt
			Operation and maintenance	Interest	Outlays			Operation and maintenance	Interest	
121	Lincoln, Nebr.	4,087	2,553	380	951	4,809	56.53	35.31	5.25	66.51
122	Huntington, W. Va.	2,467	2,041	185	302	2,989	34.46	28.51	2.59	41.74
123	Portland, Me.	4,026	3,000	473	659	9,118	50.94	42.43	6.70	128.96
124	Quincy, Mass.	5,206	3,354	471	1,482	5,520	74.16	47.78	6.72	78.63
125	Springfield, Ill.	3,769	2,325	192	1,544	2,472	53.84	33.23	2.74	35.31
126	Lakewood, Ohio	3,882	2,492	489	363	7,317	56.75	36.44	7.15	106.98
127	Springfield, Ohio	2,608	2,001	244	552	2,908	38.23	29.34	3.58	42.64
128	Roanoke, Va.	2,32J	1,782	340	843	6,604	34.25	26.22	4.99	97.11
129	Mobile, Ala.	2,387	1,853	433	1,184	5,758	35.31	27.41	6.40	85.18
130	Johnstown, Pa.	3,111	2,162	387	503	8,485	40.43	32.26	5.77	126.63
131	Racine, Wis.	3,707	2,236	241	1,542	4,967	55.33	33.38	3.59	74.13
132	New Britain, Conn.	3,545	2,705	240	655	6,990	53.06	40.49	3.60	104.64
133	East Orange, N. J.	4,095	3,027	552	1,800	7,769	61.30	45.31	8.27	116.31
134	Montgomery, Ala.	2,006	1,453	375	1,589	5,630	30.81	22.31	5.77	86.49
135	Atlantic City, N. J.	7,708	6,266	1,494	5,755	28,767	118.40	96.26	22.94	441.74
136	Cicero, Ill.	1,304	2,062	318	1,021	1,854	20.06	31.72	4.88	28.52
137	Covington, Ky.	2,343	1,490	252	744	4,027	36.22	23.17	3.90	62.24
138	Brockton, Mass.	3,778	2,732	241	617	3,191	59.04	42.70	3.77	49.87
139	Newton, Mass.	5,482	3,808	350	1,450	5,128	85.80	59.60	5.46	80.24
140	Topeka, Kans.	3,416	2,301	245	1,173	3,772	53.79	36.25	3.85	59.40
141	Pontiac, Mich.	4,622	2,964	371	4,848	8,970	73.02	46.83	5.86	141.71
142	Terre Haute, Ind.	2,564	2,241	139	308	2,735	40.63	35.51	2.20	43.35
143	Passaic, N. J.	3,343	3,045	555	1,637	12,379	53.06	48.34	8.80	196.49
144	Hammond, Ind.	4,558	2,083	138	2,094	2,390	72.57	33.16	2.20	38.20
145	Charleston, S. C.	3,324	2,182	572	352	8,850	53.01	34.80	9.12	141.15
146	Oak Park, Ill.	1,442	2,122	364	927	3,387	23.18	34.12	5.70	54.45
147	Evanston, Ill.	1,887	2,700	335	1,426	4,178	30.73	45.43	5.47	68.05
148	Wheeling, W. Va.	2,856	2,094	231	349	3,532	46.82	34.32	3.79	57.91
149	Davenport, Iowa.	2,299	1,720	128	395	2,311	38.13	28.52	2.12	38.32
150	Mount Vernon, N. Y.	5,182	3,570	657	2,210	11,666	86.22	59.40	10.93	194.11
151	Hoboken, N. J.	4,740	3,559	607	64	8,318	79.14	59.41	10.14	138.87
152	Augusta, Ga.	2,317	1,845	161	298	2,824	38.75	30.86	2.69	47.22
153	Lancaster, Pa.	2,014	1,629	217	957	4,905	33.85	27.36	3.65	82.44
154	Chester, Pa.	2,116	1,374	196	272	4,100	35.80	23.24	3.31	69.38
155	Union City, N. J.	3,194	2,464	376	237	5,009	54.32	41.90	6.40	85.19
156	Medford, Mass.	2,959	2,220	252	1,218	3,913	50.84	38.15	4.33	67.24
157	Bethlehem, Pa.	2,677	1,643	406	706	6,225	46.48	28.52	7.05	108.07
158	Malden, Mass.	2,811	2,311	254	348	2,577	48.98	40.26	4.42	44.89
159	Holyoke, Mass.	4,864	3,750	274	571	4,196	85.64	66.03	4.82	73.88
160	Madison, Wis.	4,267	2,705	334	1,064	5,536	75.38	47.78	5.91	97.82
161	Springfield, Mo.	1,731	1,184	72	807	2,903	30.75	21.04	1.27	51.56
162	Decatur, Ill.	2,526	1,620	248	777	2,270	44.87	28.78	4.40	40.31
163	San Jose, Calif.	2,731	1,949	119	708	2,326	48.59	34.67	2.12	41.38
164	Charleston, W. Va.	2,354	1,389	181	603	2,566	41.96	24.77	3.22	45.74
165	Beaumont, Tex.	2,221	1,541	414	1,035	7,552	39.94	27.72	7.46	135.83
166	Hamtramck, Mich.	3,806	2,794	294	724	4,973	68.83	50.53	5.31	89.92
167	Cedar Rapids, Iowa.	2,324	1,611	166	750	3,508	42.18	29.23	3.02	63.67
168	Jackson, Mich.	3,026	1,886	296	620	5,599	55.32	34.49	5.41	102.35
169	York, Pa.	1,850	1,327	106	304	2,693	33.81	24.26	1.93	49.23
170	Kalamazoo, Mich.	3,133	2,024	194	446	2,355	57.59	37.21	3.57	43.30
171	McKeesport, Pa.	2,194	1,742	182	703	2,768	40.55	32.19	3.36	51.16
172	Macon, Ga.	1,902	1,522	129	240	2,576	35.36	28.30	2.40	47.87
173	East Chicago, Ind.	2,316	1,777	242	439	4,521	43.38	33.28	4.53	84.67
174	New Rochelle, N. Y.	5,015	3,830	478	1,329	9,299	95.17	72.69	9.07	176.45
175	Highland Park, Mich.	4,313	3,193	449	139	5,723	82.63	61.18	8.59	109.64
176	Galveston, Tex.	2,396	1,604	462	368	8,597	46.16	30.91	8.90	165.65
177	Greenboro, N. C.	2,575	1,341	770	3,357	11,581	49.80	25.94	14.90	224.01
178	Waco, Tex.	2,093	1,405	268	1,005	5,221	40.07	27.29	5.21	101.38
179	Hamilton, Ohio	3,358	1,967	259	1,506	3,896	65.46	38.34	5.05	75.94
180	Fresno, Calif.	2,934	2,396	206	442	4,004	57.63	47.07	4.05	78.66
181	Austin, Tex.	2,386	1,660	85	1,932	4,357	47.54	33.07	1.70	86.80
182	Columbia, S. C.	1,762	1,334	257	340	3,381	35.31	26.74	5.16	67.76
183	Kenosha, Wis.	3,712	2,136	151	1,332	3,328	74.85	43.05	3.05	67.09
184	Pueblo, Colo.	2,306	1,469	297	318	3,026	46.48	29.62	5.98	61.00
185	Durham, N. C.	2,513	1,420	581	1,826	10,292	51.17	28.91	11.84	209.61
186	Pittsfield, Mass.	2,584	1,856	123	524	2,511	52.63	37.80	2.51	51.15

No. 233.—Revenue Receipts, Governmental-Cost Payments, and Debt of Cities Having 30,000 to 100,000 Inhabitants, 1929—Continued

City number in order of size	City	Amount (thousands of dollars)					Per capita (dollars)			
		Total revenue receipts	Governmental-cost payments for—			Net debt	Total revenue receipts	Governmental-cost payments for—		Net debt
			Operation and maintenance	Interest	Outlays			Operation and maintenance	Interest	
187	Haverhill, Mass.	2,699	2,195	101	235	1,360	54.97	44.71	2.06	27.70
188	Woonsocket, R. I.	2,493	1,575	506	430	8,256	50.99	32.22	10.34	168.84
189	New Castle, Pa.	1,933	1,484	175	625	3,372	41.18	30.66	3.62	69.67
190	Everett, Mass.	3,213	2,195	262	610	2,110	57.21	45.91	5.48	44.13
191	Stockton, Calif.	3,198	2,049	218	1,411	5,369	67.32	43.14	4.58	113.04
192	Bay City, Mich.	2,625	1,757	243	316	3,295	55.38	37.07	5.12	69.53
193	Elmira, N. Y.	2,515	1,951	143	494	3,633	53.18	41.24	3.02	76.81
194	Brookline, Mass.	4,197	2,911	179	1,512	2,362	89.67	62.20	3.82	50.48
195	Portsmouth, Va.	1,976	1,195	507	81	7,707	42.69	25.79	10.96	166.45
196	Aurora, Ill.	2,451	1,305	276	1,964	2,786	53.06	28.26	5.97	60.31
197	Chelsea, Mass.	2,902	2,107	284	297	2,472	63.64	46.20	6.23	54.20
198	Lexington, Ky.	1,820	1,415	134	204	1,690	39.91	31.04	2.93	37.07
199	Stamford, Conn.	3,354	2,232	314	769	4,981	73.70	49.06	6.90	109.47
200	Williamsoort, Pa.	1,618	1,196	96	573	1,814	35.72	26.41	2.11	40.04
201	Waterloo, Iowa	1,731	1,119	123	333	2,463	38.71	25.04	2.76	55.09
202	Jamestown, N. Y.	3,571	2,186	238	889	4,247	79.88	48.91	5.32	95.00
203	Lorain, Ohio	2,284	1,346	275	662	2,934	51.90	30.60	6.24	66.68
204	Perth Amboy, N. J.	2,352	1,734	409	334	5,676	54.19	39.94	9.43	130.78
205	Chicopee, Mass.	2,554	1,928	112	791	1,813	58.99	44.53	2.60	41.86
206	Salem, Mass.	2,426	1,806	122	374	1,939	56.04	41.72	2.81	44.77
207	Wichita Falls, Tex.	2,230	1,190	568	88	8,710	51.63	27.55	13.15	201.63
208	Columbus, Ga.	1,471	1,128	99	260	2,582	34.21	26.24	2.30	60.04
209	Battle Creek, Mich.	2,048	1,566	82	452	951	47.95	36.67	1.93	22.28
210	Lima, Ohio	2,276	1,247	352	117	4,679	53.95	29.55	8.34	110.88
211	Portsmouth, Ohio	2,104	1,302	400	932	5,722	50.10	31.00	9.53	136.24
212	Council Bluffs, Iowa	1,735	1,178	103	505	2,106	41.51	28.19	2.45	50.38
213	Dubuque, Iowa	1,672	1,157	145	278	2,974	40.49	28.02	3.51	72.02
214	Muncie, Ind.	1,896	1,158	67	822	1,404	45.90	28.03	1.63	34.00
215	Muskegon, Mich.	2,649	1,642	227	370	3,475	64.60	40.05	5.52	84.75
216	Fitchburg, Mass.	2,502	1,805	166	327	2,545	61.46	46.56	4.08	62.53
217	Butte, Mont.	1,111	1,094	130	43	1,461	27.50	27.07	3.22	36.16
218	Lynchburg, Va.	1,799	1,297	242	303	4,045	44.76	32.26	6.01	100.62
219	Poughkeepsie, N. Y.	2,439	1,916	227	931	3,549	60.80	47.78	5.66	88.50
220	Ogden, Utah	1,688	1,042	233	287	3,396	42.51	26.26	5.87	85.55
221	Oshkosh, Wis.	2,066	1,409	61	426	1,405	52.17	35.59	1.54	35.48
222	Quincy, Ill.	1,631	1,005	100	855	529	41.60	25.65	2.56	13.49
223	Joliet, Ill.	2,016	1,411	102	725	2,324	51.70	36.19	4.91	59.60
224	LaCrosse, Wis.	1,602	1,173	98	271	1,330	41.19	30.15	2.52	34.19
225	St. Petersburg, Fla.	4,981	2,325	1,796	656	14,440	128.06	59.75	46.18	371.22
226	Waltham, Mass.	2,375	1,839	167	446	2,500	61.36	47.51	4.31	64.61
227	Sheboygan, Wis.	2,256	1,324	45	564	549	58.20	34.21	1.16	14.20
228	Rock Island, Ill.	1,497	807	118	505	695	39.92	21.53	3.14	18.53
229	Taunton, Mass.	2,437	1,841	169	315	2,516	65.34	49.35	4.54	67.46
230	Green Bay, Wis.	2,343	1,309	165	900	3,053	63.49	35.47	4.48	82.75
231	Auburn, N. Y.	1,630	1,194	56	386	829	44.55	32.62	1.54	22.65
232	Hazleton, Pa.	1,210	990	152	309	3,472	33.24	27.21	4.18	95.39
233	Superior, Wis.	2,116	1,522	99	302	2,020	58.14	41.83	2.72	55.48
234	Danville, Ill.	1,364	846	127	253	905	37.58	23.32	3.49	24.94
235	Norristown, Pa.	988	790	75	170	1,494	27.76	22.19	2.10	41.97
236	Elgin, Ill.	1,478	988	143	539	926	41.64	27.83	4.04	26.08
237	Orange, N. J.	1,978	1,574	258	384	3,362	56.18	44.71	7.35	95.53
238	Newport News, Va.	1,570	1,003	329	392	6,115	45.11	28.83	9.45	175.70
239	Amsterdam, N. Y.	1,810	1,350	99	376	1,830	52.16	38.90	2.84	52.73
240	Lewiston, Me.	1,001	795	61	96	1,293	29.02	23.05	1.76	37.48
241	New Brunswick, N. J.	2,184	1,641	284	523	4,637	63.50	47.71	8.26	134.81
242	Easton, Pa.	1,806	1,288	238	274	3,989	52.51	37.45	6.86	115.97
243	Colorado Springs, Colo.	2,966	1,788	237	484	4,121	89.89	54.19	7.18	124.87
244	Kokomo, Ind.	946	716	27	314	758	28.92	21.88	.83	23.20
245	Wilmington, N. C.	1,238	883	190	193	3,440	38.22	27.26	5.87	106.16
246	Watertown, N. Y.	2,085	1,423	170	750	3,402	64.94	44.32	5.29	105.99
247	Moline, Ill.	1,334	948	80	245	195	41.68	29.60	2.52	6.09
248	Muskogee, Okla.	1,521	972	202	424	2,140	47.84	30.58	6.35	67.28
249	Newburgh, N. Y.	1,685	1,366	129	251	2,511	54.02	43.80	4.13	80.48
250	Petersburg, Va.	1,170	817	215	94	3,197	40.35	28.17	7.42	110.24

Source: Bureau of the Census, Department of Commerce.

11. MONEY AND BANKING

No. 234.—COINAGE OF THE UNITED STATES MINTS: 1793 TO 1930

[All figures in thousands of dollars]

Period [1] or calendar year	Total	Gold	Silver	Minor	Calendar year	Total	Gold	Silver	Minor
1793–1800	2,534	1,014	1,440	79	1901	134,694	101,735	30,838	2,120
1801–1810	6,971	3,250	3,569	151	1902	79,661	47,185	30,028	2,448
1811–1820	9,328	3,166	5,970	191	1903	65,810	43,684	19,874	2,251
1821–1830	18,835	1,903	16,781	151	1904	250,782	233,402	15,696	1,684
1831–1840	46,463	18,777	27,343	342	1905	58,269	49,638	6,332	2,299
1841–1850	111,959	89,215	22,363	380	1906	92,335	78,793	10,651	2,891
1851–1855	237,390	214,142	22,972	276	1907	148,128	131,907	13,178	3,042
1856–1860	155,945	130,264	24,660	1,021	1908	145,499	131,639	12,392	1,439
1861–1865	185,015	175,093	7,146	2,775	1909	98,621	88,777	8,088	1,756
1866–1870	126,901	115,417	5,610	5,873	1910	111,505	104,724	3,744	3,037
1871–1875	201,346	168,074	31,833	1,438	1911	65,791	56,177	6,457	3,157
1876–1880	378,984	241,753	136,396	834	1912	27,417	17,499	7,341	2,577
1881–1885	390,384	243,745	142,657	3,981	1913	33,285	25,433	3,184	4,667
1886–1890	306,322	126,180	175,003	5,139	1914	61,750	53,458	6,084	2,208
1891–1895	328,759	260,169	63,861	4,729	1915	30,145	23,968	4,114	2,063
1896–1900	540,055	411,684	127,018	7,352	1916	33,743	18,525	8,881	6,338
1901–1905	589,215	475,645	102,769	10,801	1917	35,540	10	29,412	6,118
1906–1910	596,088	535,840	48,053	12,195	1918	31,446	----------	25,473	5,973
1911–1915	218,388	176,535	27,180	14,672	1919	20,778	----------	11,068	9,709
1916–1920	171,721	35,525	99,892	36,304	1920	50,214	16,990	25,057	8,167
1921–1925	826,838	535,005	281,167	10,666	1921	100,768	10,570	89,058	1,155
1926–1930	496,704	424,221	51,110	21,375	1922	165,077	80,680	84,325	72
1890	61,055	20,467	39,203	1,385	1923	114,575	45,365	66,283	2,927
1891	58,053	29,222	27,519	1,312	1924	229,947	206,010	21,627	2,310
1892	48,300	34,787	12,641	961	1925	216,457	192,380	19,874	4,203
1803	66,934	56,997	8,802	1,135	1926	102,828	78,541	19,826	4,462
1894	89,185	79,546	9,200	438	1927	141,147	125,645	11,286	4,216
1895	66,197	59,616	5,698	882	1928	189,773	177,360	8,749	3,665
1896	70,976	47,053	23,090	833	1929	54,225	40,235	8,591	5,400
1897	96,042	76,028	18,487	1,526	1930	8,731	2,440	2,658	3,632
1898	102,145	77,986	23,034	1,125	Total	5,952,150	4,386,624	1,424,798	140,729
1899	139,243	111,344	26,062	1,837					
1900	137,049	99,273	36,345	2,031					

[1] Figures for periods are totals, not annual averages.

No. 235.—MONEY IN CIRCULATION, BY KINDS

NOTE.—For total circulation for earlier years see Table 237

[All figures in millions and tenths of millions of dollars]

Date	Total	Gold coin	Gold certificates	Silver dollars	Silver certificates	Treasury notes of 1890	Subsidiary silver	Minor coins	United States notes	Federal reserve notes	Federal reserve bank notes	National bank notes
June 30:												
1914	3,459.4	611.5	1,026.1	70.3	478.6	2.4	160.0	57.4	337.8	----------	----------	715.2
1915	3,319.6	587.5	821.9	64.5	463.1	2.2	159.0	58.5	309.8	70.8	----------	782.1
1916	3,649.3	624.9	1,050.3	66.2	476.3	2.1	171.2	63.0	328.2	149.2	1.7	716.2
1917	4,066.4	666.5	1,082.9	71.8	468.4	2.0	193.7	68.4	311.6	506.8	3.7	690.6
1818	4,481.7	537.2	511.2	77.2	370.3	1.9	216.5	75.0	291.9	1,698.2	11.0	691.4
1919	4,876.6	474.9	327.6	79.0	163.4	1.7	229.3	81.8	274.1	2,450.3	155.0	639.5
1920	5,467.6	474.8	259.0	76.7	97.6	1.7	248.9	91.0	278.1	3,064.7	185.4	639.6
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	733.8
1925	4,815.2	402.3	1,004.8	54.3	382.8	1.4	262.0	100.3	282.6	1,636.1	6.9	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	4,796.6	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	1.3	284.2	115.2	262.2	1,692.7	3.6	652.8
1930	4,522.0	357.2	994.8	38.6	386.9	1.3	281.2	117.4	288.4	1,402.1	3.2	650.8
Dec. 31:												
1929	4,864.8	383.8	879.6	42.2	416.9	1.3	294.0	119.4	264.9	1,802.4	3.4	597.1
1930	4,890.1	368.4	1,117.6	36.8	403.9	1.2	281.1	118.7	295.5	1,640.5	3.0	623.2

Sources: Table 234, Director of the Mint, Treasury Department; Table 235, Annual Report of the Secretary of the Treasury.

No. 236.—STOCK OF MONEY IN THE UNITED STATES, BY KINDS, JUNE 30

NOTE.—**Amounts in thousands of dollars.** Figures prior to 1890 have been revised 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.* Figures beginning 1890 have been compiled on the basis of revised figures for June 30 of each year and therefore differ slightly from the *monthly* circulation statements. 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

June 30—(except as indicated)	Total	Gold coin and bullion [1]	Silver dollars	Subsidiary silver	United States notes	Fractional paper currency [2]	Other United States currency	State-bank notes	National-bank notes	Percentage of gold to total money
1860	442,102	214,000	------	21,000	------	------	------	207,102	------	48.41
1865	1,180,197	189,000	------	9,500	431,066	25,006	236,567	142,920	146,138	16.01
1870	*896,879*	*189,500*	------	*10,000*	*356,000*	*39,879*	2,507	2,223	299,767	21.06
1875	925,702	121,135	[3] 2,743	28,000	375,772	42,129	551	964	354,408	13.09
1878	984,225	213,200	16,269	65,779	346,681	16,548	428	806	324,514	21.66
1879	1,033,641	245,742	41,276	70,250	346,681	------	------	------	329,692	23.77
1880	1,185,550	351,841	69,660	72,862	346,681	------	------	------	344,505	29.68
1881	1,349,592	478,485	95,297	74,087	346,681	------	------	------	355,043	35.45
1882	1,409,398	506,758	122,789	74,429	346,681	------	------	------	358,742	35.96
1883	1,472,494	542,732	152,048	74,960	346,681	------	------	------	356,073	36.86
1884	1,487,250	545,501	180,307	75,262	346,681	------	------	------	339,500	36.68
1885	1,537,434	588,697	208,539	74,940	346,681	------	------	------	318,577	38.29
1886	1,561,408	590,774	237,192	75,061	346,681	------	------	------	311,699	37.84
1887	1,633,413	654,520	277,446	75,548	346,681	------	------	------	279,218	40.07
1888	1,691,441	705,819	310,168	76,406	346,681	------	------	------	252,368	41.73
1889	1,658,672	680,064	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	646,583	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	597,698	538,301	77,415	346,681	------	------	------	178,714	34.37
1894	1,805,079	627,293	548,000	76,250	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	599,598	551,724	75,972	346,681	------	------	------	226,001	33.31
1897	1,906,770	696,239	556,590	75,818	346,681	Minor coins	------	------	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	566,131	82,864	346,681	26,520	------	------	309,640	43.71
1901	2,511,472	1,124,639	568,183	89,823	346,681	28,404	------	------	353,742	44.78
1902	2,593,910	1,192,595	570,135	97,184	346,681	30,643	------	------	356,672	45.98
1903	2,717,646	1,248,682	573,043	102,035	346,681	32,935	------	------	413,671	45.95
1904	2,838,023	1,327,656	572,870	107,062	346,681	34,519	------	------	449,235	46.78
1905	2,919,494	1,367,656	568,229	114,824	346,681	36,384	------	------	495,720	46.50
1906	3,109,380	1,475,707	568,252	118,225	346,681	39,403	------	------	561,112	47.46
1907	3,158,111	1,466,389	568,250	130,452	346,681	42,550	------	------	603,789	46.43
1908	3,423,068	1,618,133	568,260	147,356	346,681	44,304	------	------	698,334	47.27
1909	3,451,521	1,642,042	568,277	159,409	346,681	45,193	------	------	689,920	47.57
1910	3,466,856	1,636,043	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	Federal reserve notes	Federal reserve bank notes	728,195	48.61
1912	3,701,965	1,818,188	568,278	170,558	346,681	53,094			745,135	49.11
1913	3,777,021	1,870,762	568,273	175,196	346,681	56,951			759,158	49.53
1914	3,797,825	1,890,057	568,272	182,007	346,681	59,536			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	2,444,668	568,270	188,858	346,681	63,909	176,168	9,000	744,175	53.83
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	499,516	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	2,865,482	268,857	258,855	346,681	92,479	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	269,186	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	778,012	50.74
1925	8,303,632	4,364,632	522,061	283,472	346,681	104,004	1,942,240	7,176	733,366	52.56
1926	*8,428,971*	4,447,397	*533,491*	*288,923*	*346,681*	*108,891*	*1,995,206*	*5,713*	*702,669*	*52.76*
1927	8,667,282	4,587,298	537,944	295,590	346,681	113,295	2,077,473	4,854	704,146	52.93
1928	8,118,091	4,109,163	539,902	299,010	346,681	116,689	2,002,811	4,155	699,621	50.62
1929	8,538,796	4,324,351	539,961	304,187	346,681	120,640	2,194,970	3,711	704,294	50.64
1930	8,306,564	4,534,866	539,960	310,978	346,681	126,001	1,746,501	3,260	698,317	54.59
Dec 31:										
1929	8,732,677	4,283,923	539,960	310,592	346,681	123,491	2,426,585	3,503	697,941	49.06
1930	8,713,875	4,593,488	539,959	311,707	346,681	126,902	2,093,625	3,078	698,437	52.71

[1] Does not include gold bullion and foreign coin outside of the vaults of the Treasury, Federal reserve banks, and Federal reserve agents.
[2] There has been no fractional currency in actual circulation to any extent since 1878.
[3] Silver bullion in Treasury.

Source: Annual Report of the Secretary of the Treasury.

No. 237.—MONEY IN CIRCULATION, HELD IN TREASURY AND IN FEDERAL RESERVE SYSTEM, AND TOTAL STOCK, JUNE 30

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. As to other revisions, see headnote, Table 236. Per capita figures are on basis of population estimates of the Treasury Department except as noted

June 30—(except as indicated)	Stock of money in the United States	Money held in the Treasury					Money outside of the Treasury		
		Total	In trust against gold and silver certificates [1]	Reserve against United States notes [1]	Held for Federal reserve banks and agents	All other money	Held by Federal reserve banks and agents	In circulation	
								Amount	Per capita (dollars)
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	6,695				6,695		[2] 435,407	13.85
1865	1,180,197	96,657				96,657		1,083,541	31.18
1870	899,876	156,994	32,085			124,910		774,966	20.10
1875	925,702	109,461	17,549			91,912		833,789	18.97
1880	1,185,550	225,922	13,753	100,000		112,168		973,382	19.41
1885	1,537,434	473,126	228,261	100,000		144,865		1,292,569	23.02
1888	1,691,441	641,124	321,854	100,000		219,270		1,372,171	22.88
1889	1,658,672	652,597	374,286	100,000		178,311		1,380,362	22.52
1890	1,085,123	684,259	428,387	100,000		155,872		1,429,251	22.82
1891	1,677,794	648,001	467,648	100,000		80,353		1,497,441	23.45
1892	1,752,219	716,918	566,046	100,000		50,872		1,601,347	24.60
1893	1,738,808	702,429	560,322	96,520		45,587		1,596,701	24.07
1894	1,805,079	672,282	528,012	64,977		79,294		1,660,809	24.56
1895	1,819,360	701,339	483,947	100,000		117,391		1,601,968	23.24
1897	1,906,770	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	2,366,220	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	1,168,982	851,068	150,000		167,914		2,399,732	29.82
1904	2,838,023	1,224,813	939,696	150,000		135,117		2,552,906	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	3,606,989	1,731,084	1,387,149	150,000		193,936		3,203,053	34.72
1912	3,701,965	1,782,320	1,415,576	150,000		216,744		3,335,220	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	1,845,570	1,507,179	150,000		188,391		3,459,434	34.93
1915	4,050,783	1,967,665	1,619,429	152,977		195,259	382,965	3,319,582	32.96
1916	4,541,730	2,356,536	2,057,409	152,979		146,147	593,345	3,649,258	35.63
1917	5,678,774	2,859,396	2,063,391	152,979	526,295	116,731	819,365	4,066,404	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	5,467,589	[3] 51.32
1921	8,174,528	2,921,089	919,643	152,979	1,537,857	310,610	1,262,089	4,910,992	[3] 45.38
1922	8,276,070	3,515,583	1,000,578	152,979	2,108,887	253,139	1,297,393	4,463,172	[3] 40.62
1923	8,702,788	3,821,846	1,150,168	152,979	2,285,170	233,529	1,207,836	4,823,275	[3] 43.24
1924	8,846,542	4,248,438	1,628,139	152,979	2,260,891	206,429	1,376,935	4,849,307	[3] 42.84
1925	8,303,632	4,176,381	2,059,799	153,621	1,752,744	210,217	1,371,841	4,815,208	[3] 41.92
1926	8,428,971	4,210,358	2,139,770	154,189	1,717,348	199,050	1,473,118	4,885,206	[3] 41.92
1927	8,667,282	4,159,056	2,096,205	155,421	1,712,003	195,427	1,753,110	4,851,321	[3] 41.04
1928	8,113,091	3,725,650	1,986,761	156,039	1,387,650	195,199	1,582,576	4,796,626	[3] 40.02
1929	8,538,796	3,789,886	1,854,373	156,039	1,562,426	217,049	1,856,986	4,746,297	[3] 39.06
1930	8,306,564	4,021,937	1,978,448	156,039	1,796,239	91,211	1,741,087	4,521,988	36.71
Dec. 31:									
1929	8,732,677	3,876,191	1,812,786	156,039	1,774,113	133,252	1,804,448	4,864,824	[3] 39.76
1930	8,713,875	4,053,168	2,280,859	156,039	1,526,869	89,401	2,051,443	4,890,123	39.41

[1] Both of these items include also reserve against Treasury notes of 1890. The first should be deducted from the totals for money held in the Treasury before combining them with total money outside of the Treasury to arrive at the stock of money in the United States.

[2] Includes total stock of silver dollars and subsidiary silver.

[3] Computed by Bureau of Foreign and Domestic Commerce on basis of revised census estimates of population.

Source: Annual Report of the Secretary of the Treasury.

No. 238.—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 [1]	Total bills and securities [2]	Bills discounted	Bills bought in open market	United States securities
All banks:								
Dec. 31, 1915	696,746	555,430	542,709	(3)	84,180	32,300	23,724	15,856
Dec. 31, 1920	6,254,104	2,250,399	2,059,486	3,323,500	3,234,828	2,687,393	260,406	287,029
Dec. 31, 1921	5,151,109	3,010,252	2,874,995	1,618,395	1,523,516	1,144,346	145,263	233,528
Dec. 31, 1922	5,251,969	3,170,872	3,047,393	1,448,708	1,326,096	617,780	272,122	436,155
Dec. 31, 1923	5,066,395	3,168,934	3,080,032	1,238,928	1,211,322	723,068	354,637	133,566
Dec. 31, 1924	5,096,380	3,047,054	2,936,533	1,302,336	1,249,438	314,128	387,100	540,160
Dec. 31, 1925	5,109,404	2,824,371	2,701,315	1,459,172	1,395,122	635,193	374,356	374,568
Dec. 31, 1926	5,150,081	2,947,853	2,818,539	1,380,983	1,335,055	636,628	380,086	314,820
Dec. 31, 1927	5,345,586	2,867,151	2,733,137	1,554,541	1,590,938	581,503	392,039	616,516
Dec. 31, 1928	5,351,543	2,708,840	2,584,232	1,808,679	1,783,485	1,050,466	489,070	228,064
June 30, 1929	5,194,371	3,029,593	2,857,814	1,400,031	1,346,908	1,037,149	81,592	215,702
Dec. 31, 1929	5,458,445	3,010,928	2,857,051	1,581,902	1,547,517	632,421	392,209	510,587
June 30, 1930	4,849,615	3,174,170	3,012,172	1,017,578	995,876	271,828	127,838	590,909
Dec. 31, 1930	5,200,648	3,081,517	2,941,219	1,373,332	1,351,852	251,398	363,844	729,467
Boston:								
Dec. 31, 1927	402,255	208,914	194,437	114,454	110,366	28,598	48,410	33,358
Dec. 31, 1928	408,104	189,707	171,951	134,120	132,036	60,244	54,619	8,173
Dec. 31, 1929	460,831	283,084	267,212	85,263	83,372	26,644	29,878	25,850
Dec. 31, 1930	376,727	211,365	201,269	95,851	89,328	13,238	25,315	49,925
New York:								
Dec. 31, 1927	1,690,428	893,200	868,601	577,924	560,470	281,338	97,652	181,480
Dec. 31, 1928	1,640,122	738,738	716,698	679,767	665,771	463,980	152,414	49,377
Dec. 31, 1929	1,662,216	800,242	749,860	625,545	609,860	171,759	191,745	239,206
Dec. 31, 1930	1,790,181	1,047,001	1,007,122	510,990	506,353	61,898	158,273	283,332
Philadelphia:								
Dec. 31, 1927	374,755	149,960	143,894	164,447	157,558	67,371	44,523	45,664
Dec. 31, 1928	371,327	185,584	179,131	127,884	121,995	84,314	16,234	21,447
Dec. 31, 1929	398,019	216,192	203,721	120,277	117,123	65,777	8,540	41,806
Dec. 31, 1930	391,515	247,426	238,552	86,587	83,973	25,663	3,496	54,204
Cleveland:								
Dec. 31, 1927	504,593	278,453	265,440	145,107	142,530	60,845	20,175	61,510
Dec. 31, 1928	509,787	250,525	238,839	178,219	178,041	92,702	52,377	32,962
Dec. 31, 1929	475,006	262,877	254,259	132,723	131,197	76,719	28,499	29,479
Dec. 31, 1930	483,337	286,567	278,471	130,357	127,072	37,216	25,931	62,925
Richmond:								
Dec. 31, 1927	224,656	73,172	65,227	86,890	86,713	25,424	48,837	12,452
Dec. 31, 1928	222,074	99,098	82,369	67,861	66,357	38,561	24,369	3,427
Dec. 31, 1929	235,137	105,207	99,377	64,750	61,834	38,939	13,336	9,559
Dec. 31, 1930	216,941	120,124	113,220	49,669	47,609	22,766	10,936	13,907
Atlanta:								
Dec. 31, 1927	258,661	179,275	167,329	44,955	44,280	28,203	2,238	13,585
Dec. 31, 1928	238,882	127,709	118,346	79,610	80,277	41,020	32,002	7,255
Dec. 31, 1929	250,843	153,516	139,591	59,229	58,488	29,347	19,196	9,945
Dec. 31, 1930	228,101	159,425	150,847	42,043	42,301	18,069	15,755	7,877
Chicago:								
Dec. 31, 1927	740,946	428,017	411,186	217,708	204,963	52,670	62,295	89,998
Dec. 31, 1928	807,210	475,675	463,910	227,540	221,147	146,519	39,078	35,850
Dec. 31, 1929	779,667	453,700	441,048	224,934	220,575	112,668	37,561	68,846
Dec. 31, 1930	632,857	375,462	353,871	167,969	165,777	22,804	52,370	89,603
St. Louis:								
Dec. 31, 1927	197,800	86,350	73,452	67,171	62,626	19,417	5,046	38,163
Dec. 31, 1928	197,897	93,348	77,926	64,413	67,017	35,539	11,335	21,043
Dec. 31, 1929	228,276	125,463	115,882	55,115	57,035	17,938	9,801	29,266
Dec. 31, 1930	196,820	113,632	104,329	46,380	48,472	11,301	10,788	26,383
Minneapolis:								
Dec. 31, 1927	142,185	77,063	73,034	45,879	44,744	1,905	18,319	23,900
Dec. 31, 1928	147,192	88,160	85,650	40,164	38,857	4,495	21,820	10,907
Dec. 31, 1929	148,839	95,197	92,466	34,803	33,806	10,177	6,636	16,873
Dec. 31, 1930	124,264	68,669	64,411	40,128	39,522	3,576	8,411	27,302
Kansas City:								
Dec. 31, 1927	213,908	103,859	98,033	65,725	55,867	9,034	7,891	38,342
Dec. 31, 1928	213,276	124,430	118,604	43,760	43,252	31,143	96	10,513
Dec. 31, 1929	226,462	137,891	131,719	44,967	40,907	29,640	8,195	3,063
Dec. 31, 1930	199,078	99,571	92,371	63,609	59,624	15,042	12,971	31,611
Dallas:								
Dec. 31, 1927	160,338	69,203	59,812	57,231	55,678	878	22,811	31,989
Dec. 31, 1928	163,062	76,604	71,067	51,512	53,089	11,161	25,420	10,008
Dec. 31, 1929	153,089	71,149	66,803	47,668	47,378	13,291	9,209	24,878
Dec. 31, 1930	122,218	53,528	46,402	43,652	44,233	4,342	8,575	31,316
San Francisco:								
Dec. 31, 1927	434,971	319,685	312,742	67,050	65,137	5,220	13,842	46,075
Dec. 31, 1928	432,610	268,262	259,681	114,029	114,446	37,788	59,306	17,102
Dec. 31, 1929	440,061	305,510	294,113	86,628	85,942	39,513	34,613	11,816
Dec. 31, 1930	438,609	298,747	290,354	96,097	97,588	15,483	31,023	51,082

[1] Includes in addition to total bills and securities, amounts due from foreign banks and reserve bank float.
[2] Includes United States and other securities.
[3] Not available.

Source: Federal Reserve Board.

No. 239.—FEDERAL RESERVE BANKS: PRINCIPAL ITEMS OF LIABILITIES

[All figures except reserve percentages in thousands of dollars]

Bank and date	Capital	Surplus	Deposit liability			Federal reserve note circulation [1]	Reserve percentage
			Total	Members' reserve	Other deposits		
All Banks:							
Dec. 31, 1915	54,914		[2] 401,326	[3] 401,175	151	188,817	94.1
Dec. 31, 1920	99,821	202,036	1,861,498	1,780,679	80,819	3,336,281	43.3
Dec. 31, 1921	103,165	215,523	1,876,082	1,753,217	122,865	2,409,392	70.2
Dec. 31, 1922	107,271	218,369	1,973,532	1,933,888	39,644	2,395,789	72.7
Dec. 31, 1923	110,145	220,915	1,959,579	1,898,315	61,264	2,246,673	75.3
Dec. 31, 1924	112,038	217,837	2,310,668	2,220,436	90,232	1,862,062	73.0
Dec. 31, 1925	117,237	220,310	2,257,388	2,212,098	45,290	1,838,104	69.0
Dec. 31, 1926	124,814	228,775	2,275,979	2,194,094	81,885	1,850,827	71.4
Dec. 31, 1927	132,481	233,319	2,530,640	2,486,777	43,863	1,789,867	66.4
Dec. 31, 1928	146,936	254,398	2,439,686	2,388,964	50,722	1,838,194	63.3
June 30, 1929	158,603	254,398	2,419,176	2,355,662	63,524	1,712,865	73.3
Dec. 31, 1929	170,973	276,936	2,413,675	2,355,263	58,412	1,909,723	69.6
June 30, 1930	169,723	276,936	2,455,225	2,389,070	66,155	1,423,772	81.8
Dec. 31, 1930	169,040	274,636	2,517,133	2,470,583	46,550	1,663,538	73.7
Boston:							
Dec. 31, 1927	9,412	17,893	160,318	158,024	2,294	149,631	67.4
Dec. 31, 1928	10,156	19,619	147,848	146,177	1,671	161,202	61.4
Dec. 31, 1929	11,502	21,751	144,042	141,547	2,495	206,558	81.0
Dec. 31, 1930	11,877	21,299	152,265	150,936	1,319	132,035	74.3
New York:							
Dec. 31, 1927	40,310	63,007	1,024,250	1,009,923	14,327	390,343	63.1
Dec. 31, 1928	50,124	71,282	988,777	970,895	17,882	354,183	55.0
Dec. 31, 1929	67,301	80,001	1,004,370	985,791	18,579	318,971	60.5
Dec. 31, 1930	65,578	80,575	1,077,847	1,062,276	15,571	384,976	71.6
Philadelphia:							
Dec. 31, 1927	13,237	21,662	145,776	143,833	1,943	137,552	52.9
Dec. 31, 1928	14,536	24,101	135,188	133,515	1,673	142,949	66.7
Dec. 31, 1929	16,467	26,965	136,121	133,193	2,928	162,344	72.4
Dec. 31, 1930	16,793	27,065	144,604	142,539	2,065	153,727	82.9
Cleveland:							
Dec. 31, 1927	13,979	24,021	185,507	182,380	3,127	216,595	69.2
Dec. 31, 1928	14,419	26,345	185,498	182,774	2,724	216,890	62.3
Dec. 31, 1929	15,632	29,141	177,976	173,739	4,237	188,198	71.8
Dec. 31, 1930	15,813	28,971	191,889	186,377	5,512	194,948	74.1
Richmond:							
Dec. 31, 1927	6,252	12,324	75,195	73,715	1,480	77,405	48.0
Dec. 31, 1928	6,154	12,309	66,583	64,705	1,878	86,339	58.9
Dec. 31, 1929	6,072	12,496	67,309	64,742	2,567	98,070	63.4
Dec. 31, 1930	5,801	12,114	61,673	60,820	853	100,515	74.1
Atlanta:							
Dec. 31, 1927	5,175	9,996	75,135	73,243	1,892	144,097	81.3
Dec. 31, 1928	5,231	10,554	65,742	63,385	2,357	134,966	63.6
Dec. 31, 1929	5,384	10,857	65,763	62,895	2,868	143,084	73.5
Dec. 31, 1930	5,346	10,857	62,911	61,014	1,897	133,854	81.0
Chicago:							
Dec. 31, 1927	17,965	32,778	349,941	345,676	4,265	265,293	69.6
Dec. 31, 1928	18,478	36,442	347,172	343,099	4,073	323,590	70.9
Dec. 31, 1929	20,013	40,094	336,484	331,302	5,182	304,538	70.8
Dec. 31, 1930	20,145	39,936	365,152	360,832	4,320	139,162	74.5
St. Louis:							
Dec. 31, 1927	5,341	10,397	91,542	89,862	1,680	56,666	58.3
Dec. 31, 1928	5,408	10,820	85,555	83,560	1,995	64,463	62.2
Dec. 31, 1929	5,268	10,877	81,495	79,771	1,724	94,744	71.2
Dec. 31, 1930	5,053	10,562	71,351	69,521	1,830	84,599	72.9
Minneapolis:							
Dec. 31, 1927	3,009	7,039	57,123	54,836	2,287	61,224	65.1
Dec. 31, 1928	3,009	7,082	57,911	56,067	1,844	65,274	71.6
Dec. 31, 1929	3,091	7,143	59,398	56,861	2,537	66,856	75.4
Dec. 31, 1930	3,063	7,144	49,998	48,447	1,551	53,558	66.3
Kansas City:							
Dec. 31, 1927	4,235	9,046	97,869	95,046	2,823	67,189	62.9
Dec. 31, 1928	4,224	9,086	92,100	89,991	2,208	70,663	76.4
Dec. 31, 1929	4,286	9,162	88,289	86,408	1,881	89,434	77.6
Dec. 31, 1930	4,311	8,702	89,529	87,705	1,824	68,424	63.0
Dallas:							
Dec. 31, 1927	4,264	8,527	72,010	70,970	1,040	47,472	57.9
Dec. 31, 1928	4,329	8,690	72,448	71,017	1,431	48,585	63.3
Dec. 31, 1929	4,453	8,935	65,266	63,697	1,569	46,947	63.4
Dec. 31, 1930	4,356	8,936	58,498	57,533	965	31,901	59.2
San Francisco:							
Dec. 31, 1927	9,302	16,629	195,974	189,269	6,705	176,400	85.9
Dec. 31, 1928	10,868	17,978	194,765	183,779	10,986	169,000	73.7
Dec. 31, 1929	11,414	19,514	187,162	175,317	11,845	189,379	81.1
Dec. 31, 1930	11,504	18,475	191,420	182,583	8,843	135,839	79.2

[1] Federal reserve bank notes outstanding (net liability) on Dec. 31, 1920 to 1921, were as follows: 1920 $216,641,000; 1921, $83,690,000; 1922, $2,770,000; 1923, $471,000. None outstanding on other dates shown.

[2] Net deposits.

[3] Due to member banks—net.

Source: Federal Reserve Board.

No. 240.—FEDERAL RESERVE BANKS: Holdings of Acceptances Bought in Open Market and from Other Federal Reserve Banks, as of December 31

Note.—All figures in thousands of dollars. "All other bankers' acceptances" includes bills payable in foreign currencies in 1924 to 1930

Bank and year	Total	Bankers' acceptances, based on—							Trade acceptances, total
		Total	Imports	Exports	Goods stored abroad or in transit	Domestic transactions	Dollar exchange	All other	
All F. R. banks:									
1921	145,263	145,045		99,919		33,962	11,164	-------	218
1922	272,122	270,944		194,771		65,280	9,743	1,150	1,178
1923	364,037	351,974		240,868		90,445	20,452	209	2,603
1924	387,100	386,873		284,620		94,556	6,882	815	227
1925	374,356	373,139		301,191		63,846	6,112	1,990	1,217
1926	380,086	379,728	131,907	120,335	37,714	77,698	8,434	3,640	1,258
1927	392,039	391,337	84,024	118,210	81,242	95,795	6,195	5,271	702
1928	489,069	488,532	108,431	131,386	143,123	90,664	8,707	6,221	537
1929	392,209	392,209	55,506	77,068	146,881	94,222	15,562	2,970	-------
1930	363,844	363,844	38,672	58,071	131,502	81,121	12,341	42,137	-------
Boston	25,315	25,315	2,816	3,289	10,430	5,697	248	2,835	-------
New York	158,273	158,273	17,991	22,912	66,283	33,222	5,824	12,041	-------
Philadelphia	3,496	3,496	6	-------	-------	-------	-------	3,490	-------
Cleveland	25,931	25,931	2,120	2,819	8,133	6,952	1,559	4,348	-------
Richmond	10,936	10,936	900	2,064	-------	2,238	175	5,559	-------
Atlanta	15,755	15,755	1,595	6,563	1,769	4,344	360	1,124	-------
Chicago	52,370	52,370	4,160	7,520	18,658	15,645	1,565	4,822	-------
St. Louis	10,788	10,788	1,402	3,126	3,258	1,672	35	1,295	-------
Minneapolis	8,411	8,411	1,021	1,129	3,277	1,617	434	933	-------
Kansas City	12,971	12,971	1,720	2,621	5,938	1,208	210	1,274	-------
Dallas	8,575	8,575	1,720	956	2,996	1,513	311	1,079	-------
San Francisco	31,023	31,023	3,221	5,072	10,760	7,013	1,020	3,337	-------

No. 241.—FEDERAL RESERVE BANKS: Holdings of United States Securities, as of December 31

Note.—All figures in millions and tenths of millions of dollars. Certificates include Pittman Act certificates in 1921 amoutning to $113,000,000

Bank and year	Total	Bonds	Notes	Certificates[1]	Bank and year	Total	Bonds	Notes	Certificates[1]
All F. R. banks:					Atlanta:				
1921	234.1	33.0	17.6	183.5	1928	7.3	1.6	4.3	1.4
1922	436.2	28.9	180.4	226.9	1929	9.9	1.2	3.4	5.4
1923	133.6	29.5	87.0	17.1	1930	7.9	.5	4.4	3.0
1924	540.2	75.3	349.4	115.5	Chicago:				
1925	374.6	60.8	187.1	126.7	1928	35.9	19.9	6.2	9.7
1926	314.8	48.0	87.4	179.5	1929	68.8	25.4	12.2	31.2
1927	616.5	291.0	68.9	256.7	1930	89.6	30.9	22.5	36.2
1928	228.1	53.9	106.0	68.2	St. Louis:				
1929	510.6	76.8	215.6	218.2	1928	21.0	7.1	11.6	2.4
1930	729.5	163.8	226.5	339.2	1929	29.3	3.0	12.8	13.5
Boston:					1930	26.4	1.2	15.1	10.1
1928	8.2	.7	3.1	4.4	Minneapolis:				
1929	25.9	3.6	6.1	16.2	1928	10.9	4.5	4.6	1.8
1930	49.9	3.9	18.0	28.1	1929	16.9	6.0	5.7	5.2
New York:					1930	27.3	5.9	10.2	11.2
1928	49.4	1.4	20.1	27.9	Kansas City:				
1929	239.2	17.0	131.4	90.8	1928	10.5	8.5	.9	1.1
1930	283.3	89.2	58.3	135.8	1929	3.1	-------	.3	2.8
Philadelphia:					1930	31.6	2.1	11.6	18.0
1928	21.4	.6	10.3	10.6	Dallas:				
1929	41.8	3.7	13.8	24.3	1928	10.0	7.8	2.2	-------
1930	54.2	3.3	22.5	28.4	1929	24.9	9.5	5.8	9.7
Cleveland:					1930	31.3	11.4	7.8	12.1
1928	33.0	.5	28.5	3.9	San Francisco:				
1929	29.5	4.1	12.2	13.2	1928	17.1	.1	13.1	3.9
1930	62.9	3.6	29.3	30.0	1929	11.8	-------	10.6	1.2
Richmond:					1930	51.1	9.8	22.1	19.2
1928	3.4	1.2	1.1	1.2					
1929	9.6	3.4	1.4	4.7					
1930	13.9	2.0	4.7	7.2					

[1] Includes Treasury bills amounting to $66,250,000 in 1929 and $24,182,000 in 1930.

Source of Tables 240 and 241: Federal Reserve Board.

No. 242.—FEDERAL RESERVE BANKS: HOLDINGS OF DISCOUNTED BILLS BY CLASSES AND MATURITIES

NOTE.—**All figures in thousands of dollars.** Figures by maturities in certain years are for an earlier date than those by classes and in such cases the totals may differ materially

Bank and date	Total (all classes)	Rediscounted bills				Member bank collateral notes	
		Commercial and agricultural paper, not elsewhere specified	Bankers' acceptances	Trade acceptances	Paper secured by U. S. Government obligations	Secured by U. S. Government obligations	Otherwise secured
All Federal reserve banks:							
Dec. 27, 1918	1,702,938	264,967	(1)	15,985	363,023	1,037,348	21,615
Dec. 26, 1919	2,194,878	627,083	15,479	33,607	352,598	1,157,766	8,255
Dec. 30, 1920	2,719,134	1,521,546	17,218	21,427	271,526	869,510	17,907
Dec. 31, 1921	1,144,346	631,038	338	9,985	41,511	443,722	17,752
Dec. 30, 1922	617,780	270,781	330	4,844	3,618	328,172	10,035
Dec. 31, 1923	723,068	355,816	233	7,042	3,919	349,766	6,292
Dec. 31, 1924	314,128	102,086	----	3,353	1,276	185,564	21,849
Dec. 31, 1925	635,193	177,311	----	3,357	1,872	380,279	72,374
Dec. 31, 1926	636,628	170,961	----	2,812	1,111	364,169	97,575
Dec. 31, 1927	581,503	87,985	----	1,400	163	417,566	74,389
Dec. 31, 1928	1,056,466	214,986	46	1,645	974	658,242	180,573
Dec. 31, 1929	632,421	171,078	31	2,177	755	352,773	105,607
Dec. 31, 1930	251,398	98,250	----	1,413	449	88,989	62,297
Boston	13,238	7,211	----	147	----	5,880	----
New York	61,898	11,623	----	210	----	24,441	25,624
Philadelphia	25,663	9,417	----	303	1	10,271	5,671
Cleveland	37,216	9,156	----	200	54	20,875	6,931
Richmond	22,766	15,438	----	102	67	3,168	3,991
Atlanta	18,069	13,434	----	287	145	343	3,860
Chicago	22,804	11,102	----	59	9	10,882	752
St. Louis	11,301	2,091	----	61	98	4,865	4,186
Minneapolis	3,576	2,960	----	23	56	347	190
Kansas City	15,042	9,226	----	----	13	1,286	4,517
Dallas	4,342	2,723	----	----	----	744	875
San Francisco	15,483	3,869	----	21	6	5,887	5,700

Bank and 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 [2]
All Federal reserve banks:							
Dec. 27, 1918	1,702,938	1,149,955	266,107	166,876	93,061	26,939	11.81
Dec. 26, 1919	2,194,878	1,484,790	244,890	292,715	152,125	20,358	10.13
Dec. 30, 1920	2,719,134	1,632,885	280,406	430,676	311,619	63,548	13.29
Dec. 28, 1921	1,179,333	708,361	116,690	161,202	131,936	61,044	13.63
Dec. 27, 1922	629,885	436,465	48,609	63,372	50,059	31,380	12.14
Dec. 26, 1923	857,151	612,600	64,310	84,069	66,514	29,598	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	575,544	38,865	49,876	37,232	9,414	8.04
Dec. 28, 1927	609,209	537,482	18,330	26,892	18,617	7,888	7.58
Dec. 26, 1928	1,167,579	1,012,581	38,749	59,509	38,616	18,124	6.78
Dec. 31, 1929	632,421	508,072	36,331	48,742	25,932	13,344	8.00
Dec. 31, 1930	251,398	175,501	17,059	26,966	19,459	11,813	10.27
Boston	13,238	9,816	1,013	1,487	847	75	13.06
New York	61,898	52,853	2,209	3,760	2,987	89	5.73
Philadelphia	25,663	19,121	2,525	2,730	1,249	38	14.33
Cleveland	37,216	30,401	2,073	2,917	1,522	303	10.01
Richmond	22,766	10,855	3,621	4,993	2,824	473	7.15
Atlanta	18,069	7,273	2,667	4,090	3,127	912	33.90
Chicago	22,804	13,881	1,741	2,951	3,107	1,124	14.48
St. Louis	11,301	9,279	332	612	500	578	10.76
Minneapolis	3,576	951	106	307	548	1,664	25.51
Kansas City	15,042	6,888	698	1,760	1,841	3,855	29.87
Dallas	4,342	2,248	380	594	402	718	27.73
San Francisco	15,483	11,935	294	765	505	1,984	7.83

[1] Included with "commercial and agricultural paper, not elsewhere specified."
[2] Represents average maturity (in days) of all time bills discounted during year.

Source: Federal Reserve Board.

No. 243.—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	1927 [1]	1928 [1]	1929 [1]	1930 [1]	Division and State	1927 [1]	1928 [1]	1929 [1]	1930 [1]
United States	469, 853	895, 900	971, 283	274, 566	**South Atlantic—Contd.**				
New England	52, 158	59, 836	73, 600	17, 819	Virginia	7, 614	16, 212	18, 815	7, 785
Maine	1, 536	1, 586	2, 416	1, 050	West Virginia	2, 827	4, 428	5, 985	4, 089
New Hampshire	1, 323	1, 743	2, 516	1, 598	North Carolina	5, 546	11, 410	13, 825	5, 801
Vermont	1, 074	1, 044	1, 407	1, 172	South Carolina	2, 814	3, 494	4, 023	1, 424
Massachusetts	30, 033	45, 841	53, 606	9, 997	Georgia	5, 353	14, 518	11, 582	4, 187
Rhode Island	1, 136	4, 831	7, 116	477	Florida	3, 438	3, 588	5, 042	1, 546
Connecticut	3, 459	4, 791	6, 599	3, 525	**East South Central**	17, 674	35, 524	52, 417	21, 719
Middle Atlantic	192, 323	405, 317	372, 350	101, 317	Kentucky	5, 903	13, 300	19, 573	3, 393
New York	106, 911	258, 354	217, 621	51, 335	Tennessee	4, 096	6, 013	12, 205	6, 900
New Jersey	24, 334	39, 438	36, 963	15, 244	Alabama	5, 408	12, 055	16, 593	6, 693
Pennsylvania	61, 078	107, 525	117, 766	34, 738	Mississippi	2, 267	4, 156	3, 946	4, 733
East North Central	74, 728	187, 440	190, 778	48, 903	**West South Central**	23, 483	38, 852	54, 852	22, 049
Ohio	18, 634	39, 577	52, 368	16, 711	Arkansas	1, 948	3, 047	4, 476	3, 444
Indiana	4, 285	6, 640	12, 320	5, 268	Louisiana	13, 890	18, 220	18, 149	5, 702
Illinois	23, 261	65, 451	63, 180	8, 694	Oklahoma	1, 977	2, 878	8, 190	3, 930
Michigan	21, 546	40, 360	46, 245	12, 546	Texas	5, 649	14, 107	24, 037	8, 973
Wisconsin	7, 000	15, 412	16, 165	3, 684	**Mountain**	4, 599	5, 051	7, 937	5, 274
West North Central	31, 055	56, 336	75, 733	17, 771	Montana	321	174	706	705
Minnesota	2, 256	8, 849	18, 764	1, 144	Idaho	803	310	325	389
Iowa	5, 034	4, 567	6, 589	2, 782	Wyoming	141	95	489	433
Missouri	15, 567	30, 847	31, 300	5, 203	Colorado	1, 792	2, 959	3, 547	1, 894
North Dakota	915	679	847	745	New Mexico	122	141	395	346
South Dakota	974	485	683	951	Arizona	293	174	64	33
Nebraska	4, 301	6, 307	10, 920	3, 460	Utah	1, 127	1, 189	2, 351	1, 350
Kansas	2, 008	4, 512	6, 619	3, 486	Nevada				14
South Atlantic	33, 631	65, 223	73, 066	28, 094	**Pacific**	40, 222	62, 321	70, 488	13, 620
Delaware	672	1, 404	1, 040	714	Washington	1, 859	3, 631	5, 426	2, 386
Maryland	4, 619	8, 325	8, 474	2, 042	Oregon	1, 928	2, 027	3, 684	2, 570
Dist. of Col	748	1, 844	4, 282	526	California	36, 436	56, 663	61, 378	8, 664

[1] Figures given include borrowings by Federal intermediate credit banks as follows:

	1927	1928	1929	1930		1927	1928	1929	1930
Minnesota		496	48		Louisiana		125	542	8
Missouri	20	17			Texas			109	
Nebraska		603	816	91	Washington	9	361	1, 043	73
Kansas		2, 095	2, 086	200	California	608	159	1, 524	247
South Carolina		164	262	63					

Source: Federal Reserve Board.

No. 244.—FEDERAL RESERVE BANKS: DISCOUNT RATES ON ALL CLASSES AND MATURITIES OF DISCOUNTED BILLS—CHANGES FROM JANUARY 1, 1922, TO DECEMBER 31, 1930

NOTE.—In 1914 to 1921 different rates were generally in effect for different classes of bills. The rates for each class are shown in Table 249, Statistical Abstract, 1928, and the average rate for all classes combined in Table 254, Statistical Abstract, 1930. Beginning 1922, the same rate applied to all classes of paper with the few exceptions noted

Date effective [1]	Boston	New York	Philadelphia	Cleveland	Richmond	Atlanta	Chicago	St. Louis	Minneapolis	Kansas City	Dallas	San Francisco
In effect Jan. 1, 1922	4½	4½	4½	5	5	5	5	5	5½	5	5½	5
1922—Jan. (11, 9, 23)									5		5	4½
Mar. (15, 25)						4½	4½					
Apr. (14, 6)					4½			4½				
June (23, 22)	4	4										
July (12, 8)											4½	4
Aug. (15, 12)									4½	4½		
1923—Feb. 23	[2] 4½	4½										
Mar. 6												4½
1924—May 1		4										
June (12, 12, 19, 2, 14, 18, 14, 19, 10)	3½	3½	[3] 3½	4	4	4	4	4				4
July (1, 16)										4	4	
Aug. (8, 15, 25)		3		3½								3½
Oct. 15									4			

For footnotes see p. 255.

No. 244.—FEDERAL RESERVE BANKS: Discount Rates on all Classes and Maturities of Discounted Bills, etc.—Continued

Date effective [1]	Boston	New York	Philadelphia	Cleveland	Richmond	Atlanta	Chicago	St. Louis	Minneapolis	Kansas City	Dallas	San Francisco
1925—Feb. 27		3½										
Nov. (10, 20, 17, 23)	4		4	4								4
1926—Jan. 8		4										
Apr. 23		3½										
Aug. 13		4										
1927—July 29										3½		
Aug. (5, 5, 6, 16, 13, 4, 12)	3½	3½		3½	3½	3½		3½			3½	
Sept. (8, 7, 13, 10)			3½				3½		3½			3½
1928—Jan. (27, 25)					4		4					
Feb. (8, 3, 16, 11, 21, 7, 10, 8, 4)	4	4	4			4		4	4	4	4	4
Mar. 1				4								
Apr. (20, 24, 20, 23, 25)	4½				4½		4½	4½	4½			
May (18, 17, 25, 26, 7)		4½	4½	4½		4½					4½	
June (7, 2)										4½		4½
July (19, 13, 26, 13, 14, 11, 19)	5	5	5		5	5	5	5				
Aug. 1				5								
1929—Mar. 2											5	
May (14, 6, 20)									5	5		5
Aug. 9		6										
Nov. (21, 15, 23)	4½	[4] 4½					4½					
Dec. (10, 20, 6)					4½					4½		4½
1930—Jan. 16			4½									
Feb. (13, 7, 8, 7, 8, 11, 8, 15, 8)	4	4		4½	4½		4	4½	4½	4	4½	
Mar. (14, 20, 15, 21)		3½	4	4								4
Apr. (11, 12, 12, 15, 8)					4	4		4	4		4	
May (8, 2)	3½	3										
June (20, 7, 21)		2½		3½			3½					
July (3, 3, 18, 12)	3		3½		3½	3½						
Aug. (7, 15, 8)								3½		3½		3½
Sept. (12, 9)									3½		3½	
Dec. (24, 20)		2		3								

[1] Where 2 or more districts changed their rate during a given month, the days of the month when the rates became effective are given in parenthesis in the order in which the districts concerned are named; for example, in January, 1922, the rate of 5 per cent became effective for Minneapolis on the 11th, and for Dallas on the 9th; of 4½ per cent for San Francisco on the 23d.

[2] 5 per cent on 6–9 month agricultural and livestock paper from Apr. 7, 1923, to June 11, 1924, inclusive.

[3] 5 per cent on 6–9 month agricultural and livestock paper from Apr. 19, 1923, to June 25, 1924, inclusive; 4½ per cent on 91-day to 6-month agricultural and livestock paper from June 19 to June 25, 1924.

[4] Rate changed to 5 on Nov. 1 and to 4½ on Nov. 15.

No. 245.—FEDERAL RESERVE GOLD SETTLEMENT FUND: Summary of Transactions Through the Fund, 1915 to 1930

[All figures in millions and tenths of millions of dollars]

Year	Balance at beginning of period	Daily settlements between Federal reserve banks		Inter-reserve bank transfers	Withdrawals	Deposits	Balance at end of period
		Transit clearings	Federal reserve note clearings				
1915	(1)	1,052.6	(2)	(2)	78.0	155.8	77.8
1916	77.8	5,534.0	(2)	(2)	231.1	323.1	169.7
1917	169.7	24,319.1	(2)	2,643.8	1,235.7	1,377.6	311.6
1918	311.6	45,439.5	(2)	4,812.1	1,614.7	1,705.0	401.9
1919	401.9	66,053.4	(2)	7,930.9	1,871.9	1,799.7	329.7
1920	329.7	85,074.2	(2)	7,551.6	1,658.0	1,685.5	357.3
1921	357.3	64,934.8	(2)	3,289.1	2,303.2	2,468.0	522.1
1922	522.1	75,336.0	(2)	1,154.0	1,793.0	1,825.3	554.4
1923	554.4	89,614.7	(2)	1,039.2	1,764.3	1,781.1	571.1
1924	571.1	97,698.3	(2)	919.6	1,921.8	2,030.2	679.2
1925	679.5	108,289.5	(2)	909.0	1,779.0	1,788.6	689.5
1926	689.2	115,455.3	635.8	1,043.4	3,020.2	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	758.7	1,052.1	3,160.3	2,984.6	511.2
1930	511.2	151,458.3	669.4	1,530.2	2,063.8	1,970.0	417.4

[1] Established May 20, 1915.

[2] Included in transit clearings.

Source of Tables 244 and 245: Federal Reserve Board.

No. 246.—FEDERAL RESERVE GOLD SETTLEMENT FUND: SUMMARY OF TRANSACTIONS THROUGH THE FUND, BY DISTRICTS, 1930

[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		Payments	Receipts			
		Payments	Receipts	Payments	Receipts					
Total	511.2	151,458.3	151,458.3	669.4	669.4	1,530.2	1,530.2	2,068.8	1,970.0	417.4
Boston	4.4	12,557.7	12,699.2	80.4	33.6	203.5	58.6	50.0	134.6	18.7
New York	154.8	50,367.5	50,496.8	77.3	202.9	462.4	775.8	813.3	225.5	135.4
Philadelphia	25.2	13,022.5	13,804.5	78.5	51.3	170.3	40.9	52.2	62.9	61.4
Cleveland	71.0	11,880.6	11,976.6	98.6	48.8	129.5	55.0	66.6	60.1	36.2
Richmond	8.1	7,945.3	8,095.0	41.2	41.0	156.0	13.4	75.1	78.3	18.2
Atlanta	5.6	4,190.0	4,172.5	41.2	47.3	59.0	34.2	187.8	238.2	10.8
Chicago	86.5	20,840.3	20,842.4	90.5	92.4	174.5	230.9	434.1	336.9	49.7
St. Louis	21.0	7,080.1	6,979.4	43.8	38.7	38.5	76.2	69.2	135.1	18.7
Minneapolis	18.1	2,479.4	2,404.0	22.2	23.8	16.0	33.8	15.0	63.0	10.1
Kansas City	52.0	5,886.4	5,729.2	37.4	32.1	20.0	74.2	10.0	87.9	21.6
Dallas	15.8	4,649.1	4,626.5	17.9	25.0	47.5	21.6	34.1	69.3	9.7
San Francisco	48.8	9,930.4	9,632.1	40.2	32.5	53.0	115.6	256.5	478.2	27.1

Source: Federal Reserve Board.

No. 247.—FEDERAL RESERVE AGENTS' GOLD FUND: SUMMARY OF TRANSACTIONS

[All figures in millions and tenths of millions of dollars]

Federal reserve agent at—	Balance Jan. 1	Withdrawals[1]	Deposits[1]	Transfers to bank	Transfers from bank	Balance Dec. 31
All F. R. banks:						
1918	496.6	103.6	35.0	1,011.8	1,512.3	928.5
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	896.7
1921	896.7	1,598.5	1,023.9	587.4	1,051.2	1,394.9
1922	1,394.9	924.0	492.9	609.5	1,326.8	1,168.1
1923	1,681.1	755.0	148.5	565.7	1,140.0	1,648.9
1924	1,648.9	626.0	149.5	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	2,268.5	963.4
1927	963.4	454.2	63.3	2,458.4	2,914.3	1,028.3
1928	1,028.3	473.6	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
Boston	180.6			115.0	40.0	114.6
New York	8.6			78.6	95.0	25.0
Philadelphia	96.4			26.3	51.2	121.3
Cleveland	120.0			20.0	65.0	105.0
Richmond	60.0			47.0	65.0	78.0
Atlanta	119.4			181.5	184.5	122.4
Chicago	269.6			196.6	70.0	143.0
St. Louis	77.0			85.1	68.9	60.8
Minneapolis	52.0			30.5	15.0	36.5
Kansas City	70.0			18.0	10.0	62.0
Dallas	23.5		.5	47.2	33.3	10.1
San Francisco	176.8			256.0	250.0	170.8

[1] 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: Federal Reserve Board.

No. 248.—FEDERAL RESERVE BANKS: VOLUME OF OPERATIONS IN PRINCIPAL DEPARTMENTS

[Number of pieces handled in thousands; amounts handled in millions and tenths of millions of dollars]

Bank and year	Bills discounted	Bills purchased in open market for own account	Currency received and counted	Coin received and counted	Checks handled	Collection items handled		U. S. securities—issues, redemptions, and exchanges by fiscal agent department	Transfers of funds
						U. S. Government coupons paid	All other		
	Pieces handled								
All F. R. banks:									
1923	782	179	1,722,877	2,076,075	697,502	64,662	5,732	114,409	1,413
1924	583	143	1,838,279	2,186,737	742,878	50,471	6,113	16,097	1,503
1925	475	201	1,947,419	2,329,014	778,686	44,174	5,467	7,116	1,566
1926	506	232	2,099,605	2,590,057	822,907	39,678	5,595	4,691	1,710
1927	371	254	2,194,608	2,691,184	862,275	37,045	5,909	7,201	1,830
1928	443	251	2,270,555	2,929,091	887,997	28,765	6,461	6,682	2,011
1929	526	196	2,427,330	3,239,709	924,449	20,935	6,504	1,833	2,139
1930	415	208	2,441,989	3,325,555	904,975	19,362	6,388	1,417	1,868
Boston	38	23	258,983	355,855	93,658	1,275	394	75	57
New York	45	96	730,751	1,520,441	187,951	5,310	2,631	515	412
Philadelphia	51	1	211,091	334,963	73,392	1,487	570	61	126
Cleveland	21	9	156,626	153,040	87,508	2,861	364	98	127
Richmond	45	4	122,353	169,649	54,109	508	271	30	139
Atlanta	63	9	125,991	70,846	31,496	412	166	35	85
Chicago	39	18	409,291	323,631	128,039	3,299	753	318	328
St. Louis	22	5	118,675	125,866	49,465	1,104	337	78	133
Minneapolis	11	4	44,356	19,622	23,448	534	246	34	63
Kansas City	30	4	66,564	66,618	69,881	1,064	317	87	134
Dallas	34	7	62,353	49,585	38,848	312	139	35	115
San Francisco	16	28	134,955	135,439	67,180	1,136	300	51	149
	Amounts handled								
All F. R. banks:									
1923	38,379.9	2,547.0	10,306.4	308.1	207,719.5	761.7	5,900.5	8,433.9	78,867.1
1924	15,419.2	2,172.1	10,777.3	293.9	219,832.2	719.8	5,509.1	6,708.3	98,359.0
1925	32,562.6	2,961.2	11,557.0	[1] 411.2	258,611.3	680.9	6,117.0	5,579.0	109,430.7
1926	37,682.1	3,353.3	12,585.0	[1] 475.0	272,945.2	644.3	6,219.4	4,971.4	120,909.4
1927	31,934.6	4,050.9	12,939.6	[1] 432.1	278,399.6	553.7	6,710.3	10,803.0	136,383.9
1928	62,413.0	4,240.7	13,315.6	[1] 451.1	301,703.8	543.4	7,414.4	9,002.4	148,749.0
1929	60,747.1	3,587.5	14,782.4	[1] 478.2	307,215.1	535.6	7,185.4	7,018.8	170,789.7
1930	14,067.1	3,873.7	14,262.8	537.5	324,883.0	499.1	7,528.0	7,245.2	198,880.9
Boston	582.5	326.4	1,635.4	36.2	19,925.9	31.8	905.2	279.3	10,118.4
New York	5,713.8	2,024.5	4,949.2	261.5	142,165.9	233.8	2,862.3	4,165.6	73,520.5
Philadelphia	927.4	28.5	1,130.2	47.4	30,426.9	28.1	475.8	352.5	12,430.0
Cleveland	1,366.7	151.9	901.8	15.5	26,768.9	50.1	509.0	262.3	10,730.3
Richmond	1,205.5	95.3	587.1	15.7	12,795.0	10.5	231.1	124.9	6,725.1
Atlanta	516.0	124.3	564.1	12.8	10,428.1	5.9	147.4	148.9	2,562.5
Chicago	1,171.3	359.3	2,262.7	35.5	30,271.3	60.4	1,183.6	1,025.1	35,038.6
St. Louis	921.4	93.9	504.5	13.1	14,409.7	16.5	291.9	180.3	6,773.4
Minneapolis	88.3	66.2	226.3	5.0	4,169.3	9.3	130.9	80.5	2,346.7
Kansas city	290.6	72.7	314.5	12.3	10,430.4	17.1	257.9	142.6	7,486.3
Dallas	174.0	83.9	274.8	7.6	7,769.6	5.7	169.6	171.9	5,866.4
San Francisco	1,109.6	446.8	912.2	74.9	15,322.0	23.9	363.3	311.3	25,282.7

[1] Revised.

Source: Federal Reserve Board.

No. 249.—FEDERAL RESERVE BANKS: Operations of Branches

[All figures in thousands of dollars]

Federal reserve branch and year	Bills discounted and bought	Currency and coin received and counted	Checks handled	Noncash collection items handled		Transfers of funds	Fiscal agency—issues, redemptions, and exchanges of U. S. securities
				Government coupons	All other		
All branches:							
1923	4,315,501	2,459,946	53,197,150	107,134	1,069,929	13,281,545	415,246
1924	2,104,790	2,495,451	54,763,840	99,927	975,142	15,953,121	221,225
1925	3,594,053	2,649,136	60,989,227	94,754	1,023,263	18,510,551	195,249
1926	4,499,314	2,879,738	64,716,081	89,637	1,138,245	20,210,569	183,046
1927	4,071,580	2,809,240	64,724,395	79,933	1,150,370	22,240,987	384,349
1928	7,524,192	2,966,956	68,273,066	78,564	1,227,049	25,780,961	324,200
1929	8,601,344	3,293,274	72,034,805	79,570	1,227,485	28,975,751	271,416
1930	2,438,301	3,124,304	62,834,956	74,052	1,088,691	33,111,377	211,848
No. 2. Buffalo	271,798	265,174	3,043,278	805	83,609	2,215,081	1,285
No. 4. Cincinnati		162,710	3,675,008	13,221	36,587	661,366	22,336
Pittsburgh		363,451	14,113,995	15,085	50,801	2,765,796	52,480
No. 5. Baltimore	312,566	295,458	4,042,967	6,163	104,024	1,711,071	34,967
Charlotte		60,805	1,304,127	201	22,822	1,151,948	
No. 6. Birmingham		52,726	1,501,165	157	14,373	126,808	446
Jacksonville		100,455	1,815,212	1,040	19,713	252,831	
Nashville		68,380	1,561,681	408	37,080	189,270	
New Orleans	243,093	113,372	2,022,850	1,742	31,850	767,468	26,806
No. 7. Detroit	524,373	553,889	7,259,577	9,252	138,022	6,972,985	25,402
No. 8. Little Rock	199,370	37,110	995,569	379	29,288	339,194	1,211
Louisville	272,621	116,279	2,823,182	2,667	45,612	813,336	3,768
Memphis	181,800	78,974	1,981,057	673	39,754	643,507	1,555
No. 9. Helena	4,033	14,006	377,888	482	6,320	156,725	
No. 10. Denver	47,558	54,094	2,007,180	3,834	46,142	1,324,971	11,908
Oklahoma City		42,717	2,064,489	807	33,345	320,762	606
Omaha	52,491	53,570	1,711,937	2,318	64,059	1,240,945	4,285
No. 11. El Paso	19,425	29,103	490,671	469	9,991	263,918	
Houston	19,409	55,273	1,613,072	1,145	52,828	1,776,701	
San Antonio	25,077	55,284	1,022,696	628	20,393	504,087	
No. 12. Los Angeles	40,639	343,807	4,010,198	6,723	80,047	5,060,498	15,290
Portland	62,324	48,068	1,445,260	2,223	36,524	801,601	3,792
Salt Lake City	39,093	36,804	946,896	1,007	38,867	662,092	1,959
Seattle	192,294	102,431	1,355,551	1,982	33,551	1,503,603	2,771
Spokane	20,437	20,364	549,450	651	13,080	284,723	981

[1] Revised.

No. 250.—FEDERAL RESERVE BANKS: Clearing Operations and Number of Banks on Par List

Note.—Banks on the par list include all member banks and those nonmember banks which remit for checks received from the Federal reserve banks at par without deduction of exchange charges. Federal reserve banks receive checks for collection from all member banks and from such nonmember banks as maintain sufficient balances with the Federal reserve banks to offset items in transit held for their account. Clearings of all Federal reserve banks (in millions of dollars): 1919, 136,493; 1920, 156,509; 1921, 119,160; 1922, 150,507; 1923, 196,636; 1924, 209,125; 1925, 247,185; 1926, 261,402; 1927, 267,452.

Bank	Total items handled, excluding duplications						Number of banks on par list, December, 1930	
	Number (in millions)			Amount (millions of dollars)				
	1928	1929	1930	1928	1929	1930	Member	Nonmember
All F. R. banks	826	860	843	291,417	356,911	316,608	8,062	10,956
Boston	83	90	90	20,766	21,049	19,392	396	260
New York	160	172	171	113,114	154,420	140,509	914	395
Philadelphia	61	63	65	27,024	37,833	29,248	753	451
Cleveland	79	83	84	29,347	30,638	26,018	767	936
Richmond	46	48	47	12,442	12,642	11,571	470	523
Atlanta	27	27	27	10,994	11,261	9,747	390	186
Chicago	117	123	121	28,488	34,536	29,656	1,081	3,200
St. Louis	49	49	48	11,641	15,454	14,277	513	1,404
Minneapolis	24	23	22	4,260	4,355	3,851	642	497
Kansas City	67	70	68	10,864	11,519	9,991	871	1,917
Dallas	37	39	36	8,053	8,443	7,541	684	572
San Francisco	75	73	64	14,419	14,752	14,807	581	615

Source of Tables 249 and 250: Federal Reserve Board.

No. 251.—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, Federal intermediate credit bank debentures, Federal 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	Discounted bills	Purchased bills	U. S. securities		All classes	Discounted bills	Purchased bills	U. S. securities
All banks:					Richmond:				
1918	4.12	4.24	4.14	2.99	1928	4.30	4.60	3.92	3.17
1919	4.04	4.23	4.30	2.26	1929	4.93	5.00	5.05	3.04
1920	5.50	5.88	5.66	2.21	1930	3.44	4.08	2.84	2.88
1921	5.61	6.07	5.70	2.37	Atlanta:				
1922	4.11	4.63	3.54	3.67	1928	4.36	4.55	4.11	3.49
1923	4.33	4.46	4.14	4.01	1929	4.90	5.00	4.89	3.73
1924	3.83	4.25	3.31	3.67	1930	3.57	4.02	3.01	3.12
1925	3.51	3.67	3.17	3.56	Chicago:				
1926	3.76	3.95	3.55	3.60	1928	4.31	4.67	3.81	3.76
1927	3.60	3.83	3.49	3.41	1929	4.82	4.97	5.03	4.03
1928	4.24	4.56	3.97	3.64	1930	3.37	4.12	2.76	3.26
1929	4.86	5.03	5.00	3.93	St. Louis:				
1930	3.25	3.93	2.85	3.06	1928	4.26	4.60	3.83	3.66
Boston:					1929	4.81	5.00	4.77	4.09
1928	4.20	4.57	3.92	3.47	1930	3.60	4.09	2.93	3.53
1929	4.92	4.99	5.00	4.03	Minneapolis:				
1930	3.06	3.69	2.61	2.96	1928	4.00	4.38	3.97	3.74
New York:					1929	4.66	4.89	4.94	3.95
1928	4.36	4.61	4.03	3.80	1930	3.31	4.31	2.90	3.28
1929	4.97	5.18	4.97	4.14	Kansas City:				
1930	3.00	3.28	2.86	2.94	1928	4.01	4.29	4.01	3.69
Philadelphia:					1929	4.82	4.86	5.15	3.98
1928	4.20	4.59	3.81	3.46	1930	3.27	4.22	2.59	2.80
1929	4.88	5.00	5.07	3.97	Dallas:				
1930	3.52	4.18	3.48	3.12	1928	4.00	4.40	4.06	3.60
Cleveland:					1929	4.68	4.96	5.10	3.68
1928	4.13	4.50	4.01	3.51	1930	3.40	4.28	2.94	3.21
1929	4.78	5.00	5.01	3.59	San Francisco:				
1930	3.37	4.21	2.84	3.04	1928	4.06	4.28	4.05	3.50
					1929	4.70	4.78	4.98	3.65
					1930	3.19	4.04	2.89	3.07

No. 252.—FEDERAL RESERVE BANKS: PROFIT AND LOSS ACCOUNT

[All figures in thousands of dollars]

Bank and year	Gross earnings	Net earnings available for dividends, franchise tax, and surplus	Dividend payments	Franchise tax to Government	Carried to surplus	Capital and surplus Dec. 31
All Federal reserve banks:						
1920	181,297	149,295	5,654	60,725	82,916	301,857
1921	122,866	82,087	6,120	59,974	15,993	318,088
1922	50,499	16,498	6,307	10,851	[1] *660*	325,640
1923	50,709	12,711	6,553	3,613	2,546	331,060
1924	38,340	3,718	6,682	114	[1] *3,078*	329,875
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	10,269	17	[1] *2,298*	444,276
Boston	2,368	254	706		[1] *452*	33,176
New York	10,393	4,588	4,014		574	146,153
Philadelphia	2,996	1,103	1,003		100	43,858
Cleveland	3,585	784	953		[1] *169*	44,784
Richmond	1,641	−29	354		[1] *382*	17,916
Atlanta	1,964	323	323			16,203
Chicago	4,834	1,054	1,211		[1] *157*	60,081
St. Louis	1,746	1	316		[1] *315*	15,615
Minneapolis	1,235	194	184	8	1	10,207
Kansas City	1,668	−201	259		[1] *460*	13,013
Dallas	1,585	273	263	9	1	13,292
San Francisco	2,409	−356	683		[1] *1,039*	29,979

[1] Withdrawn from surplus account.

Source of Tables 251 and 252: Federal Reserve Board.

No. 253.—ALL MEMBER BANKS OF THE FEDERAL RESERVE SYSTEM: ASSETS AND LIABILITIES, AS OF DECEMBER 31

[All figures, except number of banks, in millions of dollars]

Call date (Dec. 31 except as indicated)	Loans and investments					Due from banks [2]	Capital, surplus, and undivided profits [3]	Total [4] deposits	Demand deposits [4,5]	Time deposits [6]	United States deposits	Due to banks [4,7]	Net demand deposits [4]	Net demand plus time deposits [4,8]	Reserve with Federal reserve banks	Bills payable and rediscounts	Number of banks
	Total	Loans [1]	Investments														
			Total	U. S. securities	Other securities												
All member banks:																	
1915	9,861	7,622	2,239	742	1,497	1,563	2,126	10,636	6,334	1,506	35	2,761	7,971	9,477	414	99	7,631
1920 (Dec. 29)	25,531	19,555	5,976	2,619	3,357	1,577	4,120	24,220	14,632	6,188	316	3,084	15,345	21,533	1,763	3,036	9,606
1921	23,482	17,394	6,088	2,581	3,507	1,450	4,093	23,247	13,630	6,451	306	2,860	14,449	20,900	1,758	1,364	9,779
1922 (Dec. 29)	25,579	17,930	7,649	3,754	3,896	1,806	4,364	27,288	15,689	7,645	462	3,492	16,203	23,348	1,939	727	9,559
1923	26,487	18,842	7,645	3,603	4,042	1,824	4,378	28,507	16,107	8,651	237	3,512	16,376	25,027	1,900	808	9,774
1924	28,746	19,933	8,813	3,874	4,939	2,339	4,532	32,354	17,788	9,805	242	4,548	18,468	28,273	2,228	408	9,587
1925	30,884	21,996	8,888	3,728	5,160	2,155	4,678	34,250	19,072	10,653	304	4,221	19,260	29,913	2,238	733	9,489
1926	31,642	22,652	8,990	3,389	5,601	2,066	4,944	34,528	18,800	11,440	234	4,054	18,922	30,362	2,210	760	9,260
1927	34,247	23,886	10,361	3,978	6,383	2,210	5,341	36,669	19,032	12,765	267	4,606	20,105	32,870	2,514	663	9,034
1928	35,684	25,155	10,529	4,312	6,217	2,124	5,899	39,075	21,111	13,453	262	4,249	19,944	33,397	2,409	1,162	8,837
1929	35,934	26,150	9,784	3,863	5,921	2,168	6,709	38,014	20,489	13,233	143	4,148	19,797	33,031	2,374	879	8,522
1930	34,860	23,870	10,989	4,125	6,864	2,456	6,593	37,117	18,746	13,546	267	4,557	18,969	32,516	2,476	365	8,052
New York City:																	
1925	6,315	4,731	1,584	871	713	96	991	8,068	5,755	783	59	1,472	5,501	6,284	713	172	63
1927	7,460	5,621	1,840	948	892	131	1,230	8,485	5,542	1,081	61	1,802	6,061	7,142	857	247	59
1928	7,951	6,018	1,933	1,094	839	120	1,553	10,397	7,386	1,268	52	1,691	6,085	7,353	809	390	57
1929	8,774	6,683	2,091	1,112	979	179	2,105	10,206	7,155	1,336	20	1,695	6,418	7,754	827	179	56
1930	8,582	6,147	2,435	1,239	1,197	145	2,045	9,690	6,457	1,296	37	1,900	6,405	7,701	899	37	48
Chicago:																	
1925	1,560	1,252	308	154	154	117	219	1,786	1,008	387	15	377	1,151	1,538	150	23	20
1927	1,810	1,394	416	181	235	110	268	2,009	1,128	520	10	352	1,261	1,781	179	16	22
1928	1,910	1,519	391	174	217	128	300	2,068	1,160	558	6	337	1,210	1,768	169	66	18
1929	1,757	1,448	309	116	193	133	316	1,879	1,115	419	8	337	1,187	1,605	169	41	17
1930	1,861	1,344	518	240	277	194	320	2,047	1,120	510	25	391	1,242	1,752	210	-------	14
Other reserve cities:																	
1925	10,728	7,842	2,886	1,319	1,567	886	1,538	11,958	6,115	3,837	177	1,828	6,409	10,246	746	265	549
1927	11,904	8,462	3,442	1,547	1,895	899	1,768	12,925	6,161	4,692	147	1,925	6,598	11,291	815	211	533
1928	12,156	8,702	3,454	1,662	1,791	899	1,888	13,044	6,312	4,832	153	1,747	6,447	11,279	779	376	517
1929	12,029	9,084	2,944	1,368	1,576	947	2,029	12,889	6,260	4,888	76	1,665	6,291	11,179	751	292	458
1930	11,897	8,379	3,517	1,486	2,031	1,142	1,999	13,029	5,837	5,202	152	1,838	6,042	11,244	771	75	402
Country banks:																	
1925	12,281	8,171	4,110	1,385	2,725	1,056	1,930	12,438	6,195	5,647	53	544	6,198	11,845	629	272	8,857
1927	13,073	8,410	4,663	1,302	3,361	1,070	2,075	13,249	6,201	6,472	50	526	6,184	12,655	664	190	8,420
1928	13,667	8,915	4,751	1,382	3,370	977	2,158	13,566	6,247	6,794	50	473	6,202	12,996	652	330	8,245
1929	13,375	8,936	4,439	1,267	3,172	908	2,258	13,040	5,958	6,590	39	452	5,902	12,492	627	367	7,991
1930	12,519	8,001	4,519	1,159	3,359	975	2,228	12,351	5,332	6,538	53	428	5,280	11,819	595	244	7,588

All member banks by districts																	
Boston—																	
1929	2,561	1,910	650	216	434	143	454	2,577	1,451	932	8	186	1,426	2,358	143	49	404
1930	2,511	1,750	761	232	530	151	457	2,533	1,298	995	24	216	1,310	2,305	147	19	396
New York—																	
1929	12,316	9,097	3,220	1,343	1,877	295	2,658	13,607	8,588	3,196	26	1,796	7,830	11,027	984	258	931
1930	12,023	8,300	3,724	1,494	2,230	296	2,600	13,050	7,812	3,172	52	2,015	7,746	10,918	1,062	88	914
Philadelphia—																	
1929	2,687	1,859	828	193	634	118	649	2,468	1,185	1,069	10	204	1,177	2,246	137	94	764
1930	2,733	1,767	966	219	747	148	651	2,578	1,144	1,174	22	238	1,187	2,361	145	41	753
Cleveland—																	
1929	3,455	2,410	1,046	406	640	156	618	3,376	1,519	1,621	14	223	1,512	3,132	180	100	795
1930	3,419	2,262	1,156	446	711	195	619	3,428	1,433	1,653	29	314	1,512	3,165	186	51	757
Richmond—																	
1929	1,278	974	303	124	179	101	236	1,289	578	562	13	136	584	1,146	68	48	514
1930	1,154	842	312	110	202	98	222	1,192	517	538	18	118	520	1,059	63	32	470
Atlanta—																	
1929	1,115	855	260	115	145	132	190	1,167	574	432	15	147	587	1,018	64	42	428
1930	989	726	264	112	151	135	184	1,068	506	410	28	124	509	920	63	26	390
Chicago—																	
1929	4,934	3,770	1,164	408	756	330	701	5,140	2,522	2,077	18	523	2,576	4,653	331	148	1,186
1930	4,809	3,406	1,403	538	865	427	781	5,148	2,382	2,135	41	591	2,491	4,626	362	31	1,081
St. Louis—																	
1929	1,337	955	381	115	267	113	209	1,380	690	521	2	168	723	1,244	80	32	571
1930	1,154	787	366	94	272	123	188	1,211	598	470	4	138	616	1,087	70	21	513
Minneapolis—																	
1929	911	563	348	135	213	106	120	995	433	458	2	103	453	911	57	12	683
1930	851	495	357	122	234	142	118	968	401	460	2	105	398	858	48	5	642
Kansas City—																	
1929	1,212	804	408	181	227	209	162	1,429	837	350	3	238	874	1,224	88	35	893
1930	1,147	717	430	173	258	232	165	1,385	782	372	4	227	802	1,174	88	16	871
Dallas—																	
1929	936	714	222	132	91	148	172	1,048	678	225	11	135	675	900	65	17	746
1930	822	601	221	118	104	184	166	962	573	234	14	141	574	808	58	6	684
San Francisco—																	
1929	3,192	2,239	953	495	458	315	441	3,537	1,435	1,790	22	290	1,381	3,171	176	44	607
1930	3,246	2,218	1,028	467	561	325	443	3,593	1,301	1,933	31	329	1,304	3,237	182	19	581

[1] Includes rediscounts and overdrafts; excludes acceptances of other banks and bills of exchange sold with indorsement.
[2] Does not include items with Federal reserve banks in process of collection or amounts due from foreign banks or own foreign branches.
[3] Includes reserves for dividends, contingencies, etc., but excludes, beginning 1925, reserves for interest, taxes, and other expenses accrued and unpaid.
[4] "Demand deposits" and "Net demand deposits" revised to include letters of credit and travelers' checks sold for cash, beginning 1920; Due to banks" revised to include amounts due to own foreign branches, beginning 1927.
[5] Includes certified and cashiers' or treasurers' checks, and letters of credit and travelers' checks sold for cash.
[6] Includes postal-savings deposits, except that such deposits of State banks members are included with demand deposits for 1915.
[7] Includes amounts due to Federal reserve banks, foreign banks, and other banks and bankers; also amounts due to own foreign branches beginning 1927.
[8] Deposits subject to reserve requirements.

Source: Federal Reserve Board.

No. 254.—REPORTING MEMBER BANKS OF THE FEDERAL RESERVE SYSTEM IN LEADING CITIES: PRINCIPAL ASSETS AND LIABILITIES

NOTE.—**All figures in millions of dollars.** Data are monthly averages of weekly figures. Owing to the addition of new members to the list of reporting banks during 1920, the comparability of the figures is somewhat affected, but since January, 1921, the changes have been almost entirely through consolidation of reporting banks. The number of reporting banks was about 800 at the beginning of 1920 and 489 at the end of 1930

Year and month	Loans and investments					Net demand deposits	Time deposits	Reserve balances	Borrowings at Federal reserve banks
	Total	Loans			Investments				
		Total	On securities	All other					
1920:									
March	16,853	13,242	4,454	8,788	3,611	11,605	2,595	1,411	2,053
June	16,971	13,426	4,249	9,177	3,546	11,504	2,704	1,402	1,981
September	17,057	13,691	4,111	9,580	3,366	11,291	2,802	1,384	2,117
December	16,737	13,428	4,111	9,317	3,308	10,828	2,838	1,330	2,132
1921:									
March	16,066	12,785	3,921	8,864	3,281	10,409	2,947	1,273	1,792
June	15,364	12,036	3,805	8,232	3,328	10,187	2,957	1,296	1,267
September	14,902	11,672	3,637	8,005	3,229	9,958	2,943	1,224	906
December	14,842	11,420	3,765	7,655	3,421	10,247	3,009	1,266	697
1922:									
March	14,617	11,034	3,641	7,393	3,583	10,391	3,138	1,318	264
June	15,242	11,024	3,909	7,115	4,218	11,138	3,349	1,405	130
September	15,446	11,066	3,908	7,158	4,379	11,076	3,604	1,357	145
December	16,006	11,445	4,123	7,322	4,561	11,146	3,720	1,383	392
1923:									
March	16,368	11,796	4,116	7,680	4,572	11,284	3,928	1,404	417
June	16,428	11,905	4,157	7,748	4,522	11,176	4,020	1,400	466
September	16,305	11,930	4,028	7,903	4,375	10,991	4,035	1,360	545
December	16,318	11,985	4,142	7,843	4,333	11,127	4,083	1,382	502
1924:									
March	16,443	12,138	4,181	7,956	4,306	11,282	4,227	1,435	245
June	16,816	12,249	4,310	7,939	4,567	11,773	4,391	1,539	131
September	17,757	12,725	4,675	8,049	5,032	12,630	4,632	1,645	83
December	18,465	13,087	4,917	8,170	5,378	13,184	4,855	1,691	145
1925:									
March	18,523	13,320	5,122	8,198	5,204	12,866	5,006	1,627	234
June	18,641	13,375	5,289	8,085	5,266	12,805	5,202	1,622	238
September	18,978	13,797	5,447	8,349	5,181	12,892	5,230	1,639	403
December	19,413	14,248	5,843	8,405	5,165	13,173	5,357	1,685	491
1926:									
March	19,420	14,172	5,652	8,521	5,248	12,917	5,497	1,649	372
June	19,590	14,235	5,693	8,541	5,362	13,074	5,641	1,664	253
September	19,775	14,498	5,847	8,652	5,277	13,024	5,722	1,674	423
December	19,742	14,578	5,771	8,807	5,165	13,032	5,768	1,680	447
1927:									
March	19,989	14,536	5,867	8,670	5,453	13,034	5,989	1,665	268
June	20,506	14,849	6,220	8,628	5,658	13,414	6,163	1,744	268
September	20,653	15,066	6,298	8,768	5,587	13,340	6,269	1,703	267
December	21,328	15,396	6,676	8,720	5,932	13,872	6,419	1,781	388
1928:									
March	21,502	15,370	6,586	8,784	6,133	13,579	6,689	1,726	362
June	22,063	15,871	6,962	8,909	6,193	13,450	6,923	1,740	796
September	21,871	15,898	6,840	9,059	5,973	13,049	6,831	1,699	822
December	22,189	16,253	7,198	9,055	5,936	13,399	6,842	1,748	799
1929:									
January	22,320	16,300	7,506	8,794	6,021	13,503	6,894	1,777	663
February	22,263	16,260	7,522	8,737	6,004	13,391	6,879	1,734	659
March	22,472	16,491	7,580	8,911	5,981	13,288	6,839	1,715	740
April	22,388	16,464	7,392	9,073	5,924	13,076	6,793	1,672	725
May	22,113	16,277	7,218	9,059	5,836	12,992	6,776	1,666	661
June	22,231	16,480	7,332	9,149	5,751	13,001	6,739	1,672	670
July	22,479	16,950	7,716	9,234	5,529	13,245	6,673	1,703	801
August	22,465	16,969	7,578	9,390	5,496	13,120	6,728	1,665	717
September	22,646	17,197	7,654	9,543	5,449	13,180	6,810	1,703	706
October	23,124	17,706	8,098	9,608	5,418	13,633	6,889	1,775	634
November	23,663	18,041	8,249	9,792	5,623	14,363	6,768	1,869	655
December	23,012	17,444	7,968	9,476	5,567	13,774	6,727	1,743	490
1930:									
January	22,368	16,821	7,794	9,027	5,548	13,224	6,872	1,718	247
February	22,083	16,542	7,671	8,871	5,541	12,974	6,861	1,704	174
March	22,352	16,746	7,964	8,781	5,607	13,093	6,974	1,697	81
April	22,657	16,901	8,270	8,631	5,756	13,391	7,069	1,740	71
May	22,662	16,825	8,312	8,513	5,837	13,393	7,118	1,745	59
June	23,024	17,048	8,560	8,487	5,977	13,631	7,211	1,781	53
July	23,101	16,906	8,391	8,515	6,194	13,720	7,358	1,813	53
August	23,128	16,838	8,349	8,488	6,291	13,651	7,399	1,791	43
September	23,220	16,859	8,383	8,476	6,361	13,622	7,471	1,813	44
October	23,409	16,834	8,237	8,597	6,575	13,735	7,549	1,824	56
November	23,455	16,673	7,897	8,776	6,782	13,934	7,518	1,829	71
December	23,117	16,332	7,776	8,557	6,784	13,839	7,321	1,884	141

Source: Federal Reserve Board.

No. 255.—ALL MEMBER BANKS OF FEDERAL RESERVE SYSTEM: NUMBER, CAPITAL AND SURPLUS, AND TOTAL RESOURCES

NOTE.—All national banks, except those in Alaska and Hawaii, 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 banks and trust companies	All member banks	National banks	State banks and trust companies	All member banks	National banks	State banks and trust companies
Dec. 31, 1914	7,582	7,574	8	1,809,284	1,791,826	17,458	11,443,855	11,351,246	92,608
Dec. 31, 1915	7,631	7,600	31	1,828,679	1,792,509	36,170	13,740,825	13,461,185	279,640
Dec. 27, 1916	7,614	7,577	37	1,863,169	1,814,347	48,822	15,849,692	15,380,617	469,075
Dec. 31, 1917	7,907	7,657	250	2,306,260	1,875,495	520,765	23,649,902	18,539,576	5,110,386
Dec. 31, 1918	8,692	7,762	930	2,713,630	1,953,840	759,790	28,245,710	20,535,553	7,710,157
Dec. 31, 1919	9,066	7,885	1,181	2,969,560	2,078,359	891,201	33,915,044	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	22,789,045	10,289,971
Dec. 31, 1921	9,779	8,165	1,614	3,425,296	2,314,553	1,110,663	30,114,136	19,935,224	10,178,912
Dec. 29, 1922	9,359	8,220	1,639	3,506,681	2,391,275	1,175,406	33,882,571	21,965,554	11,917,017
Dec. 31, 1923	9,774	8,179	1,595	3,644,373	2,392,784	1,251,589	35,238,606	22,395,303	12,843,303
Dec. 31, 1924	9,587	8,043	1,544	3,744,967	2,422,256	1,322,711	38,986,867	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	7,906	1,354	4,158,796	2,626,064	1,532,732	42,029,644	25,669,069	16,360,575
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	48,935,646	30,573,457	18,362,189
Dec. 31, 1929	8,522	7,403	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	7,033	1,019	5,487,242	3,265,036	2,222,206	47,057,891	28,753,832	18,304,059

No. 256.—ALL MEMBER BANKS: CLASSIFICATION OF LOANS AND INVESTMENTS ON DECEMBER 31, 1928, 1929, AND 1930, BY CLASSES

[All figures, except number of banks, in millions of dollars]

	1928	1929	1930	1930				
				Central reserve city banks	Other reserve city banks	Country banks	National bank members	State bank, etc., members
Loans and investments, total	35,684	35,934	34,860	10,443	11,897	12,519	21,426	13,434
Loans, total [1]	25,155	26,150	23,870	7,491	8,379	8,001	14,347	9,524
Loans to customers, total [2]	21,999	23,908	21,037	5,871	7,943	7,824	13,198	8,439
To banks	538	714	631	338	231	62	407	223
On securities (exclusive of loans to banks) [3]	7,347	8,488	7,942	2,811	2,982	2,149	4,436	3,505
Real estate loans, total	3,123	3,191	3,234	167	1,611	1,455	1,571	1,663
On farm land	412	388	387	2	120	264	302	85
On other real estate	2,711	2,803	2,847	165	1,491	1,191	1,269	1,578
All other (including overdrafts)	10,991	11,515	9,831	2,555	3,119	4,158	6,784	3,048
Open market loans, total [3]	3,158	2,243	2,233	1,620	436	177	1,149	1,084
Acceptances and commercial paper purchased	602	582	736	294	314	128	484	252
Street loans [4]	2,556	1,660	1,498	1,326	123	49	665	832
Investments, total	10,529	9,784	10,989	2,953	3,517	4,519	7,079	3,910
U. S. Government securities	4,312	3,863	4,125	1,479	1,486	1,159	2,649	1,476
Other securities, total	6,217	5,921	6,864	1,474	2,031	3,359	4,430	2,435
Domestic—								
Bonds	4,520	4,169	4,931	934	1,427	2,570	3,378	1,553
All other	1,013	1,123	1,218	369	442	407	530	688
Foreign	684	629	715	171	162	382	521	194
Number of banks	8,929	8,522	8,052	62	402	7,588	7,033	1,019

[1] Excludes acceptances of other banks and bills of exchange or drafts sold with indorsement.
[2] Except street loans made to customers by New York City banks.
[3] Includes street loans made to customers by New York City banks.
[4] Loans on securities to brokers and dealers in securities at New York City.

Source of Tables 255 and 256: Federal Reserve Board.

No. 257.—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							1930	
	1923	1925	1926	1927	1928	1929	1930	National bank members	State banks, etc., members
Principal earning assets, total [1]	26,207.0	29,673.9	31,132.1	32,756.0	34,721.9	35,727.1	35,395.4	21,538.5	13,856.9
Loans [1]	18,532.0	20,809.1	22,123.4	23,006.0	24,153.7	25,614.7	25,018.2	14,726.9	10,291.3
Investments [1]	7,675.0	8,864.8	9,008.8	9,749.9	10,568.2	10,112.5	10,377.2	6,811.6	3,565.6
Capital funds [1 2]	4,380.1	4,589.3	4,820.1	5,162.7	5,622.3	6,360.3	6,722.8	3,913.5	2,809.3
Gross earnings, total	1,719.4	1,918.1	2,027.8	2,120.3	2,284.0	2,474.1	2,228.8	1,363.9	864.8
Interest earned	1,493.8	1,615.6	1,710.5	1,749.0	1,905.7	2,068.9	1,857.5	1,165.6	692.0
Expenses, total	1,232.7	1,367.3	1,441.7	1,515.7	1,613.8	1,683.7	1,604.3	988.0	616.3
Interest paid	590.1	660.1	704.3	737.6	798.1	823.5	771.0	474.1	296.9
Net earnings	486.7	550.8	586.0	604.6	670.2	790.4	624.4	375.9	248.5
Net losses	149.8	131.3	154.5	157.6	166.3	233.9	317.9	217.7	100.2
Net profits	336.9	419.5	431.5	447.0	503.9	556.5	306.5	158.2	148.3
Dividends declared	257.9	272.7	284.8	312.7	327.4	408.6	372.0	216.0	156.0
Ratios:									
Earning assets per $1 of capital funds	$5.98	$6.47	$6.46	$6.34	$6.18	$5.62	$5.26	$5.50	$4.93
Net profit per $100 of earning assets	$1.29	$1.41	$1.39	$1.36	$1.45	$1.56	$0.87	$0.73	$1.07
Net profit per $100 of capital funds	$7.69	$9.14	$8.95	$8.66	$8.96	$8.75	$4.56	$4.04	$5.28

[1] Figures are averages of amounts for call dates during the year.
[2] Capital, surplus, and undivided profits, including reserves for dividends and contingencies and, for 1923 also reserves for taxes, interest, and other expenses accrued.

Source: Federal Reserve Board.

No. 258.—ALL REPORTING BANKS: NUMBER, RESOURCES, CAPITAL AND SURPLUS, AND DEPOSITS, ON OR ABOUT JUNE 30

NOTE.—See headnote, Table 261

[All figures, except number of banks, in millions and tenths of millions of dollars]

Year	Number of banks	Total resources	Capital and surplus	Demand and time deposits [1]	Year	Number of banks	Total resources	Capital and surplus	Demand and time deposits [1]
1890	8,188	6,350.1	1,414.4	4,069.7	1921	30,812	49,671.4	5,446.0	34,700.9
1895	9,818	7,609.5	1,621.3	4,921.2	1922	30,389	50,425.4	5,641.4	37,143.5
1900	10,382	10,785.9	1,673.1	7,238.9	1923	30,178	54,034.9	5,851.9	39,983.6
1905	16,410	16,918.2	2,516.8	11,350.7	1924	29,348	57,144.7	6,081.6	42,903.8
1910	23,095	22,450.3	3,427.8	14,963.7	1925	28,841	62,057.0	6,343.0	46,715.2
1915	27,062	27,804.1	3,895.8	18,965.7	1926	28,146	64,893.4	6,745.3	48,826.6
1916	27,513	32,271.2	4,044.8	22,528.0	1927	27,061	68,132.6	7,141.0	51,062.1
1917	27,923	37,126.8	4,219.7	26,058.4	1928	26,213	71,574.3	7,671.1	53,244.7
1918	28,880	40,726.4	4,386.3	27,715.5	1929	25,330	72,172.5	8,408.7	53,157.9
1919	29,123	47,615.4	4,619.4	32,629.3	1930	24,079	74,020.1	8,858.4	53,681.1
1920	30,139	53,079.1	5,113.0	37,268.1					

[1] For banks other than national, figures 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 270 and also headnote Table 261.

Source: Comptroller of the Currency, Treasury Department.

No. 259.—ALL REPORTING BANKS: SUMMARY, BY STATES, JUNE 30, 1930

[All figures, except number of banks, in thousands of dollars]

Division and State	Number of banks	Total resources or liabilities	Loans and discounts, including rediscounts and overdrafts	Investments	Reserve with Federal reserve banks or other reserve agents	Capital, surplus, and undivided profits [1]	Demand deposits [2]	Time deposits (including postal savings) [2]
Grand total	24,079	74,020,124	40,510,108	17,944,728	3,433,102	10,013,222	24,098,516	29,465,361
Continental U. S.	24,012	73,701,322	40,315,822	17,901,737	3,428,920	9,962,034	23,994,997	29,374,683
New England	1,092	8,114,346	4,716,017	2,468,276	203,798	955,295	1,698,620	4,881,501
Maine	131	474,738	231,538	203,273	5,406	54,186	82,422	319,799
New Hampshire	121	325,946	150,829	148,706	3,206	33,259	41,002	228,028
Vermont	103	277,153	155,170	90,380	2,633	31,334	27,064	205,102
Massachusetts	449	4,920,453	2,955,190	1,341,175	135,885	558,620	1,102,803	2,831,592
Rhode Island	35	596,846	303,856	235,723	20,990	67,002	127,528	377,084
Connecticut	253	1,519,210	919,434	449,019	35,588	210,294	317,801	919,896
Middle Atlantic	3,223	33,066,767	17,233,462	8,373,171	1,591,679	4,931,566	10,566,638	12,068,349
New York	1,122	23,297,812	12,570,759	4,851,508	1,167,751	3,250,038	7,674,469	7,869,547
New Jersey	560	2,800,499	1,566,642	838,385	89,377	378,023	846,304	1,410,455
Pennsylvania	1,541	6,968,476	3,096,061	2,683,278	334,551	1,302,605	2,045,865	2,788,347
East North Central	5,286	12,952,715	7,545,037	2,681,936	715,080	1,613,375	4,581,275	4,987,465
Ohio	980	3,394,085	2,033,695	697,882	221,829	414,203	1,080,526	1,543,087
Indiana	915	1,178,355	605,330	205,333	19,755	142,454	382,233	282,612
Illinois	1,683	4,882,319	2,822,002	991,908	222,481	638,808	1,877,395	1,590,338
Michigan	765	2,388,842	1,452,447	511,301	175,649	285,580	839,153	1,048,295
Wisconsin	936	1,109,114	631,503	275,422	76,265	132,330	351,968	523,133
West North Central	6,076	4,863,247	2,604,069	1,167,579	123,892	564,935	2,012,495	1,765,452
Minnesota	1,015	1,118,257	505,794	371,495	30,610	110,894	364,609	514,703
Iowa	1,262	904,739	565,390	203,755	18,992	106,087	309,099	474,719
Missouri	1,235	1,528,332	850,084	332,893	34,732	196,771	759,144	399,898
North Dakota	366	128,428	72,838	28,650	7,553	15,723	43,476	60,136
South Dakota	374	168,906	91,622	39,717	3,832	18,533	69,869	67,766
Nebraska	773	451,078	241,454	91,468	15,278	47,554	200,408	138,886
Kansas	1,051	563,507	276,887	99,601	12,805	68,823	265,890	109,344
South Atlantic	2,249	3,993,618	2,280,900	903,724	164,934	617,860	1,360,203	1,563,571
Delaware	61	189,632	114,574	51,753	7,461	44,087	73,557	63,116
Maryland	226	1,003,671	495,803	350,906	49,296	131,095	274,115	516,848
Dist. of Col	40	324,684	176,702	66,077	9,508	50,732	133,204	109,210
Virginia	468	663,460	438,254	102,357	14,509	111,249	198,931	254,619
West Virginia	290	415,821	263,817	69,646	30,889	66,664	158,197	153,264
North Carolina	391	448,554	298,868	55,193	11,464	67,162	166,649	148,742
South Carolina	173	205,324	116,971	42,582	3,247	27,798	74,729	81,039
Georgia	398	435,631	266,950	62,139	28,026	75,484	151,693	143,034
Florida	207	306,841	108,961	103,061	10,534	43,589	129,128	93,099
East South Central	1,667	1,821,780	1,140,206	290,948	61,154	264,533	639,312	610,363
Kentucky	552	643,432	414,573	114,001	12,024	95,982	204,242	215,360
Tennessee	479	579,324	354,552	74,980	14,104	80,730	210,926	197,335
Alabama	321	334,593	210,817	51,409	12,031	57,924	125,454	102,334
Mississippi	315	264,431	160,264	50,558	22,995	29,897	98,690	95,330
West South Central	2,509	2,658,754	1,463,446	475,118	156,081	350,684	1,314,348	588,666
Arkansas	396	253,376	157,447	36,657	24,725	34,449	108,416	74,274
Louisiana	222	527,051	319,172	76,707	15,315	64,615	230,001	144,482
Oklahoma	598	515,545	247,005	133,826	22,346	50,984	277,403	122,497
Texas	1,293	1,362,782	739,822	227,928	93,695	200,636	698,468	247,413
Mountain	910	1,084,718	538,986	277,835	67,855	114,734	460,703	391,101
Montana	185	176,674	79,916	54,837	17,938	19,523	73,117	69,254
Idaho	137	100,715	47,130	28,965	2,965	9,127	48,715	33,717
Wyoming	83	71,341	39,283	15,472	1,824	8,429	30,910	25,568
Colorado	270	341,589	152,972	88,537	27,501	36,035	154,923	114,104
New Mexico	53	52,592	24,782	15,123	1,921	4,832	30,776	12,113
Arizona	45	97,694	46,536	28,600	8,338	11,638	44,410	36,364
Utah	102	195,640	120,174	37,596	6,202	19,776	51,220	78,390
Nevada	35	48,473	28,193	8,705	876	5,374	16,632	21,522
Pacific	998	5,145,357	2,793,899	1,263,150	344,747	549,002	1,421,403	2,518,210
Washington	333	583,560	296,612	158,323	45,760	62,849	219,586	228,410
Oregon	228	325,338	140,428	109,017	20,617	35,791	133,085	125,033
California	437	4,236,459	2,356,659	995,810	278,370	450,362	1,068,732	2,164,767
Alaska	17	14,511	6,194	4,937	----------	1,789	5,792	6,048
Hawaii	20	122,003	69,378	28,573	183	21,285	39,519	47,754
Porto Rico	19	53,505	39,652	1,982	----------	9,318	11,336	12,418
Philippines	11	128,783	79,062	7,499	2,999	18,796	46,872	24,458

[1] Excludes reserves for dividends, contingencies, etc.

[2] In addition to amounts shown there were deposits of $117,199,000 not classified as to demand or time.

Source: Comptroller of the Currency, Treasury Department.

No. 260.—ALL REPORTING BANKS IN CONTINENTAL UNITED STATES: PRINCIPAL RESOURCES AND LIABILITIES, BY STATES, DECEMBER 31 [1]

[All figures, except number of banks, in millions and tenths of millions of dollars]

Division and State	Number of reporting banks		Loans (incl. rediscounts and overdrafts)		Investments		Deposits, exclusive of interbank deposits [2]		Rediscounts and bills payable	
	1929	1930	1929	1930	1929	1930	1929	1930	1929	1930
United States	24,630	22,769	41,898.4	38,134.9	16,518.6	18,073.8	55,289.2	53,038.7	1,237.6	624.0
New England	1,080	1,062	4,671.6	4,479.0	2,416.4	2,554.2	6,578.3	6,596.4	83.9	40.3
Maine	133	128	230.6	228.8	201.9	201.6	396.5	400.2	10.5	6.8
New Hampshire	123	121	157.5	147.8	153.9	148.0	282.1	269.9	4.2	2.2
Vermont	104	102	158.4	149.0	91.6	87.8	235.6	226.9	7.0	4.5
Massachusetts	450	445	3,007.5	2,883.4	1,217.2	1,353.7	3,932.0	3,967.2	43.8	13.8
Rhode Island	33	35	310.7	286.6	222.4	250.1	499.7	506.7	2.2	.3
Connecticut	237	231	806.9	783.4	529.4	543.0	1,232.4	1,235.5	16.2	13.2
Middle Atlantic	3,261	3,156	17,963.1	16,571.6	7,350.7	8,482.3	23,484.6	22,843.6	497.9	223.4
New York	1,127	1,099	12,754.7	11,705.2	4,467.5	5,250.4	16,340.1	15,735.9	242.5	78.5
New Jersey	568	556	1,633.7	1,493.8	754.7	855.9	2,260.7	2,279.4	48.2	36.6
Pennsylvania	1,566	1,501	3,574.7	3,282.6	2,128.5	2,376.0	4,883.8	4,828.3	207.2	108.3
East North Central	5,452	5,080	7,782.8	7,013.2	2,531.5	2,752.5	8,706.2	9,380.2	304.8	129.5
Ohio	1,015	965	2,057.4	1,904.5	634.1	639.3	2,532.2	2,447.7	93.8	52.0
Indiana	969	873	648.5	529.8	214.4	202.1	810.0	731.1	27.2	13.9
Illinois	1,765	1,589	2,888.1	2,585.1	914.1	1,118.5	3,569.3	3,521.5	77.9	22.0
Michigan	743	722	1,514.1	1,386.0	506.5	511.4	1,900.5	1,821.1	87.5	25.0
Wisconsin	960	931	654.7	607.9	262.4	281.2	894.2	858.8	18.4	15.7
West North Central	6,252	5,692	2,816.3	2,507.3	1,078.9	1,060.3	3,937.0	3,687.3	74.3	48.0
Minnesota	1,040	992	545.6	510.0	355.8	351.9	879.1	872.1	15.2	4.9
Iowa	1,257	1,146	662.4	605.0	119.2	102.6	821.9	739.6	12.9	9.0
Missouri	1,277	1,146	868.1	768.0	331.2	351.4	1,200.5	1,128.7	19.3	12.4
North Dakota	412	321	79.1	64.7	32.6	28.4	119.3	98.0	1.2	1.4
South Dakota	387	328	96.4	77.8	41.1	35.8	149.3	118.4	1.6	2.2
Nebraska	804	747	272.1	229.4	87.2	90.5	361.0	321.0	14.7	8.9
Kansas	1,069	1,012	292.6	252.4	111.8	99.7	405.4	359.5	9.4	9.2
South Atlantic	2,362	2,081	2,423.2	2,086.0	853.5	889.8	3,059.6	2,827.5	99.6	70.3
Delaware	47	48	119.0	109.9	48.4	55.0	138.4	141.8	2.7	1.7
Maryland	230	221	518.3	480.1	319.1	344.6	792.1	778.1	13.7	11.0
Dist of Columbia	41	39	184.7	167.6	59.8	80.1	239.9	250.6	8.1	2.2
Virginia	474	449	456.0	413.5	95.4	94.9	460.7	439.1	27.9	17.6
West Virginia	297	280	280.1	253.1	65.0	65.8	315.6	288.2	17.2	15.8
North Carolina	416	318	312.2	226.9	57.4	51.2	356.8	275.2	12.7	11.2
South Carolina	217	160	125.9	101.3	42.7	40.1	178.1	157.2	1.2	1.1
Georgia	405	365	277.2	240.7	67.2	58.9	315.4	289.1	9.9	6.0
Florida	235	201	149.8	92.9	108.5	99.2	262.6	208.2	6.2	3.7
East South Central	1,714	1,533	1,185.9	974.3	393.1	254.9	1,345.6	1,115.1	61.3	49.4
Kentucky	572	519	438.2	359.3	116.0	99.2	447.9	386.3	21.6	12.3
Tennessee	484	450	360.6	306.5	69.3	61.9	403.6	338.9	19.9	20.9
Alabama	350	315	229.1	193.6	53.4	52.8	266.1	227.2	14.2	8.4
Mississippi	308	249	158.0	114.9	54.4	41.0	228.0	162.7	5.6	7.8
West South Central	2,565	2,301	1,554.7	1,305.8	508.9	477.9	2,065.6	1,802.4	56.1	31.6
Arkansas	415	304	155.2	101.8	42.3	29.1	208.5	120.4	3.4	6.5
Louisiana	225	213	347.5	300.6	81.7	84.1	409.8	383.3	18.0	8.8
Oklahoma	617	569	253.4	225.9	147.1	133.7	417.1	368.5	16.2	8.7
Texas	1,308	1,215	798.6	677.5	237.8	231.0	1,030.2	921.2	18.5	7.6
Mountain	933	888	582.0	503.1	284.3	300.6	914.0	855.1	8.2	5.0
Montana	195	174	87.7	69.1	56.4	58.5	156.5	140.2	.5	.7
Idaho	137	136	50.0	44.5	30.8	20.1	92.0	83.2	.2	.4
Wyoming	86	83	40.0	36.3	17.6	15.4	62.7	58.3	.6	.4
Colorado	274	266	178.5	149.0	88.9	105.5	284.0	282.5	3.7	1.5
New Mexico	56	54	25.7	22.3	14.8	13.8	46.0	40.9	.2	.2
Arizona	46	41	49.9	38.7	31.3	30.7	91.9	78.9	.6	.5
Utah	104	99	126.0	116.1	35.7	39.1	139.8	133.8	2.4	1.3
Nevada	35	35	29.2	27.1	8.8	8.5	41.1	37.3		
Pacific	1,011	976	2,938.7	2,694.3	1,201.6	1,271.5	4,198.4	3,981.3	51.6	25.9
Washington	340	330	303.6	275.0	156.2	167.2	468.9	440.3	3.8	2.8
Oregon	234	225	148.0	126.8	112.5	111.9	268.2	249.6	4.7	1.9
California	437	421	2,487.1	2,292.5	932.9	992.4	3,461.3	3,291.4	43.3	21.2

[1] Date of reports of member banks; data for nonmember banks are from reports of nearest available date.
[2] Includes certified and officers' or treasurers' checks and letters of credit and travelers' checks sold for cash.

Source: Federal Reserve Board.

No. 261.—BANKS: Number, Resources, Capital and Surplus, and Deposits for Each Class of Banks

Note.—Banks in Alaska, Hawaii, Porto Rico, and Philippine Islands are included. Data for national banks and in recent years for other classes are as of June 30 or about June 30. In earlier years reports for banks other than national were of various dates. Figures for private banks, which include only those under State supervision and others voluntarily reporting, except for 1880, and for other banks except national for earlier years, especially 1875, 1880, and 1885, are incomplete. For 1910 and 1915, when statistics were compiled from reports from individual banks, and in recent years, the segregation of the classes of banks is fairly accurate. In other years 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 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 resources	Capital and surplus	Demand and time deposits[1]	Number of banks	Total resources	Capital and surplus	Demand and time deposits[1]
	National banks				State (commercial) banks			
1830					329		[2] 110.2	
1840					901	75.7	[2] 057.7	
1850					824	109.6	[2] 532.3	
1860					1,562	253.8	[2] 999.9	
1865	1,294	1,126.5	357.1	398.4				
1870	1,612	1,565.8	518.9	542.3				
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	100.6	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	854.7	1,521.7	2,292	877.9	243.5	560.4
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	1,634.4	5,070.5	12,166	3,695.0	623.4	2,675.4
1915	7,605	11,795.7	1,790.6	6,426.2	14,598	4,399.6	725.1	3,231.0
1918	7,705	18,354.9	1,907.7	10,006.4	16,596	7,815.7	962.8	6,090.3
1919	7,785	21,234.9	1,990.8	11,865.2	17,225	11,701.6	1,226.6	8,968.6
1920	8,030	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	[3] 18,875	14,199.1	1,642.9	10,664.4
1922	8,249	20,706.0	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	11,120.6
1924	8,085	22,565.9	2,414.6	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	15,690	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	7,536	27,440.2	3,106.4	18,321.4	14,437	10,824.3	1,960.3	12,816.5
1930	7,252	29,116.5	3,335.3	19,678.8	13,582	15,269.9	1,827.8	11,028.8
	Loan and trust companies				Private banks			
1875	55	122.9	28.8	85.0				
1880	30	126.9	24.7	90.0	[4] 2,802		[2] 76.1	[4] 182.7
1885	40	248.4	37.1	188.4				
1890	149	503.8	105.3	336.5	1,342	164.0	50.8	101.0
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	1,001	4,216.9	800.1	3,026.0	934	160.0	25.4	124.0
1915	1,664	5,873.1	927.5	4,177.8	1,036	177.7	29.0	134.1
1918	1,669	8,317.4	1,068.3	5,954.0	1,091	236.6	28.4	193.1
1919	1,377	7,960.0	942.4	5,676.1	1,017	266.1	28.7	216.2
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	8,533.9	1,095.0	6,490.5	673	185.5	25.7	145.2
1923	1,643	9,499.3	1,198.1	6,825.3	604	165.5	22.4	131.4
1924	1,664	10,323.8	1,293.3	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	1,656	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	16,156.2	2,395.8	10,959.5	391	156.5	19.4	107.2
1930	1,564	17,702.7	2,679.7	11,688.9	361	114.6	15.7	79.8

[1] See footnote Table 258.

[2] Capital only.

[3] 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.

[4] Average for all private banks for the 6 months ended May 31, 1880.

No. 261.—Banks: Number, Resources, Etc., for Each Class of Banks—Continued

Year	Mutual savings banks [2]				Stock savings banks [2]			
	Number of banks	Total resources	Surplus	Demand and time deposits [1]	Number of banks	Total resources	Capital and surplus	Demand and time deposits [1]
1880	629	881.7	51.2	819.1				
1885	646	1,203.0	88.6	1,065.2				
1890	637	1,486.6	126.1	1,336.0	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	255.2
1905	668	2,907.3	184.6	2,736.5	569	400.9	39.2	356.5
1910	638	3,652.4	249.2	3,360.6	1,121	829.4	95.3	707.2
1915	630	4,319.4	289.7	3,950.6	1,529	1,238.7	133.9	1,046.0
1918	625	4,818.6	315.6	4,422.1	1,104	1,183.2	103.6	1,049.5
1919	622	5,171.6	333.4	4,751.2	1,097	1,281.3	97.4	1,162.1
1920	620	5,619.0	334.5	5,186.8	1,087	1,506.4	108.6	1,351.2
1921	623	6,040.1	366.4	5,575.1	[3] 978	557.9	59.1	442.8
1922	619	6,331.6	468.2	5,778.9	1,000	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	990	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	1,815.5	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	9,003.1	747	1,589.8	103.6	1,450.2
1930	606	10,295.3	808.9	9,215.6	714	1,521.1	101.0	1,389.2

[1] See footnote Table 258.

[2] Data shown for mutual savings banks, 1880 and 1885, include stock savings banks. For deposits in savings banks for earlier years, see Table 273, p. 277.

[3] See footnote 3, preceding page.

No. 262.—NATIONAL BANKS: Principal Resources and Liabilities

Note.—**All figures, except number of banks, in millions of dollars.** Data include banks in Alaska and Hawaii. Loans and discounts include rediscounts and overdrafts; they exclude acceptances of other banks and bills of exchange or draft sold with indorsement beginning 1921. Undivided profits include reserves for dividends, contingencies, etc., and prior to 1925, also reserves for taxes, interest, etc., accrued. Deposits exclude interbank demand deposits 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	380	398	131	1898	3,582	2,164	555	955	2,023	190
1866	1,634	550	468	494	533	268	1899	3,583	2,508	651	947	2,522	199
1867	1,636	588	447	512	540	292	1900	3,732	2,644	774	1,013	2,458	265
1868	1,640	656	443	529	576	295	1901	4,165	2,981	885	1,062	2,942	319
1869	1,619	686	416	549	574	293	1902	4,535	3,247	945	1,184	3,099	309
1870	1,612	719	409	562	542	291	1903	4,939	3,442	1,066	1,286	3,201	359
1871	1,723	789	425	594	602	308	1904	5,331	3,622	1,131	1,349	3,312	400
1872	1,853	872	438	626	619	327	1905	5,668	3,930	1,239	1,407	3,784	446
1873	1,968	926	445	662	641	339	1906	6,053	4,237	1,283	1,494	4,055	511
1874	1,983	926	451	676	623	339	1907	6,420	4,664	1,446	1,608	4,323	548
1875	2,076	973	443	687	686	318	1908	6,824	4,640	1,572	1,673	4,375	614
1876	2,091	934	427	679	641	294	1909	6,926	5,061	1,648	1,748	4,899	641
1877	2,078	902	431	656	636	290	1910	7,145	5,456	1,612	1,856	5,071	676
1878	2,056	835	460	629	622	300	1911	7,277	5,634	1,762	1,939	5,314	682
1879	2,048	836	715	615	649	307	1912	7,372	5,974	1,861	1,990	5,671	709
1880	2,076	995	451	624	834	318	1913	7,473	6,162	1,889	2,053	5,820	722
1881	2,115	1,145	484	642	1,032	312	1914	7,525	6,445	1,915	2,057	6,125	723
1882	2,230	1,209	471	660	1,067	309	1915	7,605	6,665	2,068	2,105	6,426	723
1883	2,417	1,286	465	707	1,043	312	1916	7,579	7,769	2,352	2,103	7,330	675
1884	2,625	1,270	448	780	979	295	1917	7,604	8,992	3,013	2,217	9,321	660
1885	2,689	1,258	432	725	1,106	269	1918	7,705	10,166	3,057	2,279	10,006	682
1886	2,809	1,399	407	760	1,146	245	1919	7,785	11,027	5,048	2,418	11,865	677
1887	3,014	1,560	329	806	1,285	167	1920	8,030	13,637	4,186	2,684	13,672	688
1888	3,120	1,628	356	842	1,292	155	1921	8,164	11,979	4,025	2,796	12,273	704
1889	3,239	1,779	323	875	1,442	129	1922	8,249	11,193	4,503	2,848	13,229	726
1890	3,484	1,934	311	935	1,522	126	1923	8,241	11,780	5,070	2,876	14,009	720
1891	3,652	1,964	300	988	1,535	124	1924	8,085	11,958	5,142	2,916	14,819	730
1892	3,759	2,128	347	1,011	1,753	141	1925	8,072	12,596	5,730	2,970	16,321	649
1893	3,807	2,020	366	1,029	1,557	155	1926	7,978	13,327	5,842	3,089	17,057	651
1894	3,770	1,944	435	1,001	1,678	172	1927	7,796	13,854	6,393	3,230	18,203	651
1895	3,715	2,017	447	987	1,736	179	1928	7,691	14,927	7,147	3,571	19,300	649
1896	3,689	1,972	464	983	1,668	190	1929	7,536	14,811	6,957	3,575	18,821	649
1897	3,610	1,978	484	963	1,770	197	1930	7,252	14,807	6,888	3,976	19,679	652

Source of Tables 261 and 262: Comptroller of the Currency, Treasury Department.

No. 263.—NATIONAL BANKS: PRINCIPAL RESOURCES AND LIABILITIES AS OF DECEMBER 31

NOTE.—Data include banks in Alaska and Hawaii

[All figures in millions of dollars.]

	1914	1916	1918	1920	1921	1922	1923	1924	1925
RESOURCES									
Total resources [1]	11,357	15,388	20,544	22,799	19,944	21,975	22,406	24,381	25,852
Loans and discounts [2, 3]	6,363	8,438	10,447	13,544	11,466	11,552	11,811	12,218	13,423
United States Government securities	795	717	2,956	2,132	1,976	2,657	2,567	2,587	2,523
Other bonds, stocks, securities, etc	1,332	1,819	1,789	1,990	2,081	2,347	2,478	3,076	3,252
Reserve with Federal reserve banks	262	707	1,180	1,185	1,143	1,221	1,181	1,394	1,377
Items with Federal reserve banks in process of collection			286	423	350	456	460	487	572
Due from banks [4]	1,453	2,276	2,540	1,873	1,599	2,230	2,360	2,862	2,855
Cash in vault	735	882	522	494	342	392	386	410	390
LIABILITIES									
Capital stock	1,066	1,071	1,110	1,272	1,282	1,317	1,326	1,335	1,379
Surplus	727	745	845	1,020	1,033	1,076	1,068	1,089	1,167
Undivided profits [5]	282	362	389	564	465	529	474	442	476
Reserves for interest, taxes, etc., accrued								61	59
Circulation outstanding	349	666	677	694	717	724	726	715	648
Due to banks [6]	2,003	3,537	3,637	2,934	2,535	3,266	3,135	3,908	3,696
Demand deposits [7]	4,934	6,792	8,991	9,501	8,508	9,529	9,555	10,326	11,112
Time deposits [8]	1,207	1,936	2,474	3,632	3,749	4,319	4,948	5,581	6,047
United States deposits	72	35	313	212	188	304	158	153	193
Bills payable and rediscounts [3]	132	90	1,381	2,343	971	512	582	287	526

	1926	1927	1928	1929	1930			
					All banks	Central reserve cities	Other reserve cities	Country banks
RESOURCES								
Total resources [1]	25,084	28,164	30,589	28,882	23,800	7,034	9,922	11,844
Loans and discounts [2, 3]	13,487	14,647	15,291	15,160	14,369	3,293	5,131	5,945
United States Government securities	2,283	2,748	3,009	2,622	2,655	671	1,009	975
Other bonds, stocks, securities, etc	3,508	4,152	4,119	3,846	4,437	641	1,160	2,636
Reserve with Federal reserve banks	1,359	1,509	1,496	1,348	1,460	495	504	462
Items with Federal reserve banks in process of collection	543	520	4,185	3,413	3,338	1,024	1,351	963
Due from banks [4]	2,635	2,433						
Cash in vault	353	361	388	393	409	42	110	257
LIABILITIES								
Capital stock	1,411	1,520	1,616	1,704	1,722	409	546	768
Surplus	1,217	1,314	1,490	1,548	1,548	457	448	644
Undivided profits—net	477	531	402	497	516	127	134	255
Reserves for dividends, contingencies, etc			85	92	109	27	41	40
Reserves for interest, taxes, etc., accrued	61	76	67	72	64	16	24	24
Circulation outstanding	646	650	650	646	643	44	144	454
Due to banks [6]	3,431	3,661	4,074	3,140	3,342	1,386	1,541	415
Demand deposits [7]	10,730	11,230	11,781	11,089	10,639	3,058	3,616	3,965
Time deposits [8]	6,533	7,808	8,307	8,434	8,727	764	2,963	5,001
United States deposits	138	169	186	103	163	21	102	40
Bills payable and rediscounts [3]	530	481	785	546	256	5	59	191

[1] Includes unspecified items.
[2] Includes rediscounts and overdrafts.
[3] Excludes acceptances of other banks and bills of exchange or drafts sold with indorsement beginning 1921.
[4] Includes exchanges for clearing house and other checks on local banks.
[5] Includes reserves for dividends, contingencies, etc.
[6] Includes certified and cashiers' checks, cash letters of credit and travelers' checks, and, beginning 1927, dividend checks outstanding.
[7] Excludes dividends unpaid and certified and cashiers' checks outstanding.
[8] Includes postal savings deposits.

Source: Comptroller of the Currency, Treasury Department.

No. 264.—NATIONAL BANKS: Number and Total Resources, by States, December 31

NOTE.—Resources in millions and tenths of millions of dollars. Figures include reserve cities in each State

Division and State	Number of banks					Total resources				
	1920	1924	1928	1929	1930	1920	1924	1928	1929	1930
Grand total	8,180	8,049	7,635	7,408	7,088	22,799.4	24,381.3	30,589.2	28,882.5	28,799.7
Continental U.S.	8,124	8,043	7,629	7,403	7,083	22,788.7	24,369.0	30,573.5	28,839.6	28,753.6
New England	411	394	386	379	374	1,597.7	1,978.7	2,352.7	2,529.5	2,529.1
Maine	63	58	54	53	52	112.1	136.2	164.1	157.6	159.7
New Hampshire	56	54	56	56	56	63.7	74.0	88.0	87.8	88.4
Vermont	49	46	46	46	45	55.5	62.4	80.8	80.1	77.0
Massachusetts	160	157	154	152	150	1,059.4	1,357.5	1,614.9	1,818.9	1,826.5
Rhode Island	17	17	11	10	10	71.0	77.9	64.4	62.9	61.9
Connecticut	66	62	65	62	61	236.0	270.8	340.4	322.1	315.6
Middle Atlantic	1,573	1,654	1,728	1,710	1,679	8,791.3	9,649.8	12,602.7	11,116.8	11,717.0
New York	498	533	565	559	553	5,586.6	5,902.3	8,263.8	6,843.3	7,464.3
New Jersey	217	253	299	300	295	577.6	803.6	1,063.0	1,062.3	1,032.3
Pennsylvania	858	868	864	851	831	2,627.1	2,943.9	3,270.9	3,213.2	3,220.5
East North Central	1,388	1,382	1,330	1,305	1,225	3,946.9	3,899.9	4,734.7	4,295.8	4,195.7
Ohio	378	368	328	317	304	1,114.5	897.4	917.7	925.9	854.3
Indiana	253	247	224	219	200	420.7	420.9	482.6	480.2	454.4
Illinois	487	499	488	482	444	1,617.3	1,658.9	2,155.5	1,703.3	1,707.4
Michigan	116	122	134	130	125	407.4	501.9	640.8	661.2	645.1
Wisconsin	152	156	156	157	152	387.0	420.8	538.1	527.2	534.4
West North Central	1,598	1,514	1,314	1,264	1,213	2,458.7	2,483.1	2,472.3	2,330.8	2,229.3
Minnesota	340	330	278	266	258	626.9	700.1	697.5	694.7	680.8
Iowa	357	344	269	251	223	450.2	406.9	365.6	360.7	316.5
Missouri	133	131	134	130	122	673.4	663.9	696.9	676.9	662.7
North Dakota	180	165	133	122	107	99.3	112.1	96.9	90.7	83.0
South Dakota	136	114	96	92	92	104.8	90.8	82.3	81.6	75.7
Nebraska	187	173	156	157	167	266.3	254.3	254.7	257.2	260.9
Kansas	265	257	248	246	244	237.8	255.0	277.9	268.9	249.7
South Atlantic	733	732	669	629	581	1,674.0	1,811.8	1,990.8	1,863.5	1,684.3
Delaware	18	18	17	17	16	21.6	23.6	27.0	26.9	24.9
Maryland	92	84	83	80	73	295.6	291.9	309.9	296.1	230.1
Dist. of Col.	15	13	12	12	12	111.4	144.5	173.6	171.0	183.5
Virginia	167	182	165	159	155	409.7	408.2	399.6	391.2	371.4
West Virginia	123	124	119	115	111	199.6	204.5	203.9	205.1	192.6
North Carolina	97	84	75	66	56	169.9	191.4	206.0	147.2	116.6
South Carolina	82	79	55	47	34	143.0	138.9	138.7	121.2	91.0
Georgia	94	93	81	76	71	194.9	205.3	285.2	282.8	277.6
Florida	55	55	62	57	53	128.3	203.3	246.9	222.2	196.5
East South Central	367	382	385	379	348	687.7	764.9	980.0	984.2	846.6
Kentucky	133	138	140	138	126	253.5	276.0	330.3	296.5	244.0
Tennessee	98	106	102	99	94	226.2	229.4	289.6	342.1	296.6
Alabama	105	102	107	107	97	152.3	180.0	261.8	249.6	225.8
Mississippi	31	36	36	35	31	55.7	79.5	98.3	96.1	80.2
West South Central	1,035	1,099	1,068	1,007	912	1,428.9	1,857.9	1,956.1	1,818.7	1,629.5
Arkansas	85	87	78	72	54	82.1	104.1	106.9	100.1	72.9
Louisiana	39	33	33	34	30	155.2	128.2	148.1	147.8	132.5
Oklahoma	355	407	325	292	268	360.7	425.6	470.6	446.5	395.7
Texas	556	572	632	609	560	830.9	1,000.0	1,230.5	1,124.4	1,028.4
Mountain	528	414	336	326	308	672.2	624.7	676.8	645.5	619.7
Montana	145	91	70	67	59	109.3	87.2	111.9	101.9	94.8
Idaho	86	67	44	43	41	82.4	62.3	56.6	50.0	44.9
Wyoming	47	32	26	25	25	64.8	46.9	46.8	44.7	42.7
Colorado	142	140	123	120	116	249.9	289.2	293.5	280.5	280.4
New Mexico	48	33	28	27	27	44.8	29.9	40.0	39.7	35.6
Arizona	21	19	15	14	13	35.0	29.2	37.7	36.9	34.7
Utah	28	21	20	20	17	69.0	61.5	67.3	68.6	64.7
Nevada	11	11	10	10	10	17.0	18.5	23.0	23.1	21.9
Pacific	493	472	413	404	393	1,531.7	1,498.5	2,807.4	3,252.8	3,302.7
Washington	94	111	110	105	103	257.3	305.8	357.0	350.9	337.8
Oregon	91	98	93	94	93	188.2	193.3	232.6	244.6	232.1
California	308	263	210	205	197	1,086.2	999.4	2,217.9	2,657.9	2,732.9
New York City[1]	*51*	*55*	*22*	*21*	*19*	*4,658.0*	*4,681.6*	*6,789.0*	*5,424.3*	*6,048.0*
Chicago[1]	*10*	*13*	*10*	*13*	*10*	*1,089.1*	*1,008.7*	*1,371.0*	*920.7*	*986.1*
Alaska	3	4	4	4	4	2.3	3.5	5.1	5.2	5.2
Hawaii	3	2	2	1	1	8.4	8.8	10.6	10.6	40.6

[1] Central reserve city banks; included in figures for respective States.

Source: Comptroller of the Currency, Treasury Department.

No. 265.—NATIONAL BANKS: SUMMARY BY STATES, DECEMBER 31, 1930

NOTE.—All money figures in thousands of dollars. Figures include reserve cities in each State

Division and State	Number of banks	Total resources or liabilities	Loans and discounts [1]	Investments	Reserve with Federal reserve banks	Capital, surplus, and undivided profits [2]	National bank circulation	Demand deposits	Time deposits (including postal savings)
Grand total	7,038	28,799,684	14,369,427	7,092,068	1,460,365	3,786,498	642,902	10,638,790	8,727,430
Continental U. S.	7,033	28,753,832	14,346,762	7,078,875	1,460,365	3,780,417	639,640	10,622,893	8,711,721
New England	374	2,529,067	1,358,284	571,423	119,169	349,798	47,254	987,877	739,408
Maine	52	159,747	74,517	64,417	5,822	20,002	4,848	32,369	95,941
New Hampshire	56	88,362	43,550	28,129	3,901	14,908	4,787	35,457	25,315
Vermont	45	76,982	37,790	29,461	2,640	10,759	4,270	14,802	42,886
Massachusetts	150	1,826,482	987,609	359,802	93,363	238,981	19,661	746,033	463,061
Rhode Island	10	61,939	33,227	20,603	2,462	12,202	3,300	23,447	19,293
Connecticut	61	315,555	181,501	68,921	10,971	52,946	10,388	135,769	92,912
Middle Atlantic	1,679	11,716,991	5,555,120	3,071,980	640,020	1,727,096	176,871	4,325,623	2,958,384
New York	553	7,464,253	3,472,603	1,688,249	455,406	1,081,806	71,027	2,996,685	1,202,604
New Jersey	205	1,032,273	523,900	324,315	42,270	134,073	24,033	337,181	488,654
Pennsylvania	831	3,220,465	1,558,608	1,059,416	142,338	511,217	81,811	991,757	1,177,126
East North Central	1,225	4,195,664	2,163,642	993,403	228,943	518,878	128,583	1,573,722	1,394,165
Ohio	304	854,303	461,959	203,124	35,873	124,589	34,047	303,218	288,112
Indiana	200	454,438	229,710	111,093	19,471	59,495	22,728	171,033	156,986
Illinois	444	1,707,424	832,832	399,918	125,082	197,908	36,880	719,482	469,773
Michigan	125	645,126	351,184	143,206	26,977	74,413	18,575	205,140	267,912
Wisconsin	152	534,373	287,957	136,062	21,540	62,383	16,353	174,849	211,382
West North Central	1,213	2,229,290	1,061,167	592,026	110,937	229,937	54,661	912,231	675,039
Minnesota	258	680,848	305,353	198,629	30,562	66,984	13,702	244,547	254,166
Iowa	223	316,460	149,977	89,070	13,968	31,718	11,343	114,757	119,572
Missouri	122	562,089	288,717	128,905	31,797	59,400	8,641	247,327	121,068
North Dakota	107	83,018	30,822	24,689	3,396	8,869	2,828	29,164	36,950
South Dakota	92	75,727	35,231	24,293	3,383	8,325	1,808	30,803	28,369
Nebraska	107	260,878	126,735	64,250	14,912	24,474	6,806	117,500	62,526
Kansas	244	249,070	115,332	62,190	12,919	30,167	9,533	128,043	51,788
South Atlantic	581	1,884,283	884,588	380,490	70,668	237,498	61,079	564,389	592,367
Delaware	16	24,904	11,907	9,252	882	5,590	901	7,749	9,349
Maryland	73	230,118	109,235	73,758	9,203	30,149	5,873	64,714	93,930
Dist. of Col	12	183,535	89,359	43,013	9,880	23,210	4,906	78,661	56,938
Virginia	155	371,445	234,903	59,214	13,864	56,962	18,920	110,333	144,771
West Virginia	111	192,598	118,228	38,289	7,241	27,753	10,014	64,117	70,518
North Carolina	56	116,593	69,401	17,257	4,182	19,853	5,825	35,671	40,039
South Carolina	34	90,951	45,281	17,792	3,630	10,570	3,299	26,884	34,117
Georgia	71	277,637	147,795	45,824	12,986	37,366	7,490	96,809	82,448
Florida	53	196,502	58,479	75,191	8,798	26,045	3,851	79,431	60,257
East South Central	348	846,637	492,414	149,803	34,917	112,686	41,484	302,013	273,125
Kentucky	126	243,995	138,530	47,329	10,229	30,881	11,391	94,304	78,235
Tennessee	94	296,642	181,649	42,478	11,345	36,376	13,914	93,686	99,102
Alabama	97	225,823	127,131	43,421	10,154	35,811	13,659	86,002	64,454
Mississippi	31	80,177	45,104	16,575	3,189	9,618	2,520	28,021	31,334
West South Central	912	1,629,505	821,331	334,998	82,709	207,126	55,964	738,292	341,745
Arkansas	54	72,901	35,407	18,873	3,079	9,964	3,273	25,936	26,111
Louisiana	30	132,463	79,514	17,744	6,745	16,521	6,000	59,358	23,321
Oklahoma	268	395,721	187,456	111,578	21,767	39,716	5,856	183,688	97,237
Texas	560	1,028,420	518,954	186,803	51,118	140,925	40,825	469,310	195,076
Mountain	308	619,698	252,538	191,103	32,456	58,375	15,743	272,699	200,137
Montana	59	94,807	36,199	33,837	4,488	9,393	2,152	39,637	36,337
Idaho	41	44,933	21,295	11,805	2,043	4,123	1,621	20,052	15,638
Wyoming	25	42,703	18,037	10,521	1,918	4,772	1,488	18,270	13,951
Colorado	116	280,383	109,793	88,445	15,883	25,753	4,306	125,400	90,116
New Mexico	27	35,552	15,247	10,409	1,849	3,134	1,355	21,057	7,953
Arizona	13	34,715	12,263	14,007	1,470	3,800	1,170	14,820	13,133
Utah	17	64,686	28,023	16,209	3,849	5,064	2,456	26,147	14,644
Nevada	10	21,919	10,781	5,870	956	2,336	1,195	7,316	8,365
Pacific	393	3,302,697	1,757,678	793,649	140,558	339,023	58,011	948,087	1,537,301
Washington	103	337,782	148,210	104,222	16,453	38,165	12,345	138,306	102,646
Oregon	93	232,058	86,917	88,099	10,751	24,165	5,906	88,591	91,607
California	197	2,732,857	1,522,551	601,328	113,354	276,693	39,760	719,170	1,343,048
New York City [3]	*19*	*6,048,028*	*2,791,742*	*1,149,151*	*399,287*	*339,348*	*35,869*	*2,580,721*	*602,567*
Chicago [3]	*10*	*980,074*	*501,460*	*162,875*	*95,590*	*102,977*	*8,260*	*477,276*	*161,574*
Alaska	4	5,211	2,116	1,817	----------	530	112	2,132	1,964
Hawaii	1	40,641	20,549	11,374	----------	5,549	3,150	13,765	13,745

[1] Includes rediscounts and overdrafts.
[2] Excludes reserve for dividends, contingencies, etc.
[3] Central reserve city banks; included in figures for respective States.

Source: Comptroller of the Currency, Treasury Department.

No. 266.—NATIONAL BANKS: Loans and Discounts, by Reserve Cities and States, December 31

Note.—Notes and bills rediscounted and overdrafts are included. Acceptances of other banks and bills of exchange or drafts sold with indorsement are excluded

[All figures in thousands of dollars]

City, State, or Territory	1928	1929	1930
Grand total	16,291,269	16,160,227	14,369,427
Continental U. S.	15,285,144	15,136,414	14,346,762
New York City [1]	2,829,356	2,480,979	2,791,742
Chicago [1]	839,554	558,966	501,460
Other reserve cities	4,986,570	5,443,178	5,131,264
Boston	553,726	726,780	715,850
Albany	43,287	(2)	
Brooklyn and Bronx	47,454	26,681	25,767
Buffalo	20,939	5,066	2,587
Philadelphia	478,865	488,530	465,186
Pittsburgh	229,315	239,770	214,040
Cincinnati	52,446	58,553	54,065
Cleveland	62,030	98,200	87,542
Columbus	49,962	50,031	46,773
Toledo	8,474	7,682	6,075
Indianapolis	56,104	57,460	53,202
Chicago	53,912	60,992	48,653
Peoria	20,132	21,824	24,216
Detroit	160,035	200,047	179,053
Grand Rapids	24,018	14,986	14,440
Milwaukee	147,203	143,088	138,550
Minneapolis	118,812	134,149	123,065
St. Paul	73,345	72,999	60,049
Cedar Rapids	13,417	14,229	12,879
Des Moines	21,561	28,136	25,620
Dubuque	5,673	5,157	4,849
Sioux City	16,610	17,610	7,773
Kansas City, Mo	82,447	82,889	73,444
St. Joseph	16,640	14,090	13,205
St. Louis	220,218	154,949	146,926
Lincoln	14,642	17,026	14,822
Omaha	57,054	57,261	48,595
Kansas City, Kans	7,524	7,307	7,339
Topeka	7,156	7,804	7,896
Wichita	16,553	12,880	14,763
Baltimore	95,778	84,505	40,105
Washington	95,434	91,790	89,359
Richmond	39,353	37,695	33,919
Charlotte	17,452	15,022	11,655
Atlanta	62,607	66,790	56,620
Savannah	50,384	53,437	52,053
Jacksonville	31,356	31,893	22,420
Louisville	76,136	68,391	32,503
Memphis	11,758	37,439	28,899
Nashville	52,007	56,882	50,576
Birmingham	53,782	49,989	44,041
Little Rock	3,114	3,433	(2)
New Orleans	30,551	31,469	29,580
Muskogee	5,655	5,727	(2)
Oklahoma City	47,273	47,946	52,128
Tulsa	64,509	70,572	65,046
Dallas	108,096	101,589	86,016
El Paso	16,731	16,404	14,125
Fort Worth	52,164	53,865	45,816
Galveston	21,840	15,883	19,637
Houston	87,446	88,526	81,880
San Antonio	41,535	34,405	29,539
Waco	12,331	12,351	9,842
Helena	5,623	4,994	2,770
Denver	74,484	74,854	60,401
Pueblo	5,024	5,787	5,597
Ogden	6,235	5,561	3,737
Salt Lake City	19,740	22,632	18,460
Seattle	67,958	76,393	66,531
Spokane	24,075	18,007	16,456
Portland	44,708	55,619	45,836
Los Angeles	340,648	492,102	461,868
Oakland	23,243	22,324	22,340
San Francisco	618,006	755,607	888,246
Country banks [3]	6,629,064	6,654,191	5,922,296
New England	684,998	686,238	642,484
Maine	77,636	75,354	74,517
New Hampshire	43,233	44,851	43,550
Vermont	41,654	42,314	37,700
Massachusetts	289,153	294,039	271,349
Rhode Island	33,790	35,368	33,227
Connecticut	199,532	194,310	181,501
Middle Atlantic	2,118,641	2,241,080	2,055,798
New York	631,748	710,127	652,507
New Jersey	584,906	602,064	523,909
Pennsylvania	901,987	928,889	879,382
East North Central	1,130,449	1,146,468	1,009,574
Ohio	311,501	299,189	267,504
Indiana	196,537	204,905	176,508
Illinois	308,129	312,802	258,503
Michigan	161,863	169,223	157,061
Wisconsin	152,419	160,259	149,398
West North Central	560,234	555,208	499,042
Minnesota	135,267	136,335	122,239
Iowa	127,619	118,024	98,856
Missouri	54,171	60,107	55,142
North Dakota	46,249	44,717	39,822
South Dakota	36,064	37,150	35,231
Nebraska	60,388	61,118	63,318
Kansas	101,076	97,752	85,334
South Atlantic	743,875	676,364	572,457
Delaware	12,431	13,699	11,907
Maryland	64,267	66,739	63,130
Virginia	223,415	219,359	200,984
West Virginia	128,479	129,435	118,228
North Carolina	110,980	76,231	57,746
South Carolina	76,732	66,150	45,281
Georgia	51,372	47,463	39,122
Florida	76,199	57,588	36,059
East South Central	384,505	384,432	336,395
Kentucky	115,399	116,447	106,027
Tennessee	112,926	119,314	102,174
Alabama	101,142	95,806	83,090
Mississippi	55,038	52,865	45,104
West South Central	510,222	478,285	387,722
Arkansas	52,751	48,625	35,407
Louisiana	56,721	57,810	49,934
Oklahoma	91,791	81,751	70,282
Texas	308,959	290,099	232,099
Mountain	199,934	190,382	161,573
Montana	47,324	41,652	33,429
Idaho	27,203	24,827	21,295
Wyoming	21,800	21,365	18,937
Colorado	49,794	49,912	43,795
New Mexico	18,877	18,229	15,247
Arizona	16,210	15,692	12,263
Utah	7,042	6,883	5,826
Nevada	11,684	11,822	10,781
Pacific	296,206	295,441	256,401
Washington	69,399	75,780	65,223
Oregon	45,810	46,408	41,081
California	180,997	173,193	150,097
Alaska	2,189	2,253	2,116
Hawaii	3,936	21,560	20,640

[1] Central reserve city banks. [2] Terminated as a reserve city. [3] In Continental United States.

Source: Comptroller of the Currency, Treasury Department.

No. 267.—NATIONAL BANKS: Classification of Loans and Discounts as of December 31

[All figures in thousands of dollars]

Class	1928	1929	1930
Total [1]	15,291,269	15,160,227	14,369,427
Acceptances of other banks payable in United States	94,693	152,702	169,583
Notes, bills, acceptances, and other instruments evidencing loans payable in foreign countries	61,256	39,049	35,425
Commercial paper bought in open market	301,231	241,249	279,450
Loans to banks and trust companies	402,268	409,212	407,781
On securities			190,852
All other			216,929
Loans secured by United States Government and other securities (exclusive of loans to banks)	5,527,327	5,271,033	5,112,826
Real estate loans, mortgages, deeds of trust, and other liens on real estate	1,293,561	1,482,570	1,576,170
On farm land	309,863	299,477	301,688
On other real estate	983,698	1,183,093	1,274,482
All other loans, including reporting banks' own acceptances purchased or discounted [1]	7,610,933	7,564,412	6,788,192
MEMORANDA			
Loans secured by United States Government obligations	135,603	129,777	118,035
Total loans eligible for rediscounts with Federal reserve banks	3,008,653	2,957,992	2,490,879

[1] Includes overdrafts.

Source: Comptroller of the Currency, Treasury Department.

No. 268.—NATIONAL BANKS: Investments, by Classes

Note.—Data are as of June 30 prior to 1928; thereafter as of Dec. 31

[All figures in millions and tenths of millions of dollars]

Class of security	1914	1920	1922	1924	1926	1928	1929	1930
Total	1,914.9	4,186.5	4,563.3	5,142.3	5,842.3	7,127.3	6,457.8	7,092.1
Bonds, domestic:								
U. S. Government [1]	799.3	2,269.6	2,285.5	2,481.8	2,469.3	3,008.7	2,612.1	2,654.8
State and local government	176.0	338.4	414.4	505.5	647.8	773.5	792.1	963.0
Railroad	341.7	416.4	486.5	573.6	631.4	642.4	579.0	699.1
Other public-service corporations	218.2	283.1	318.5	397.6	545.0	720.8	687.1	815.6
All other bonds	[2] 284.4	309.8	423.0	575.7	772.8	952.4	856.9	907.5
Stocks, domestic:								
Federal reserve banks		65.3	70.6	72.3	78.7	92.3	97.4	99.9
Other corporations	[3] 43.7	49.4	59.2	74.8	90.6	102.7	102.8	112.5
Claims, warrants, judgments, etc.	35.9	67.7	87.7	90.6	79.4	166.6	134.8	185.6
Collateral trust and other corporation notes		145.9	168.1	105.9	154.8	141.0	112.1	133.0
Foreign securities:								
Government bonds	10.0	180.0	162.1	179.5	225.9	265.4	233.1	254.4
All other	5.6	61.0	87.9	85.1	146.5	261.5	250.4	266.6

[1] Includes all United States securities.
[2] Includes various securities amounting to $56,781,000 with the Treasury as security for public deposits.
[3] Includes $900,000 erroneously shown by banks on face of banks' reports as bonds, etc.

Source: Comptroller of the Currency, Treasury Department.

No. 269.—NATIONAL BANKS: Dividends and Earnings

NOTE.—The dividends and earnings are for years ending Mar. 1, prior to 1907, and for years ending June 30 thereafter; ratios are based on the capital and surplus as reported at the end of the fiscal year. Net additions to profits are calculated before deducting dividends. Data include banks in Alaska and Hawaii

Yearly average or year (see note above)	Amount (millions of dollars)		Ratio (per cent)			Year (see note above)	Amount (millions of dollars)		Ratio (per cent)		
	Net addition to profits	Dividends	Dividends to capital	Dividends to capital and surplus	Net addition to profits to capital and surplus		Net addition to profits	Dividends	Dividends to capital	Dividends to capital and surplus	Net addition to profits to capital and surplus
1891–1895	62.7	49.0	7.3	5.4	6.9	1917	194.3	125.5	11.61	6.79	10.52
1896–1900	52.4	45.0	7.2	5.1	6.0	1918	212.3	129.8	11.82	6.78	11.09
1901–1905	102.2	64.0	9.2	6.2	10.0	1919	240.4	135.6	12.15	6.83	12.11
1906	113.7	80.8	10.4	6.8	9.5	1920	282.1	147.8	12.10	6.70	12.78
1907 [1]	219.2	144.4	17.2	10.8	16.4	1921	216.1	158.2	12.42	6.88	9.40
1908	132.3	98.1	10.89	6.75	9.10	1922	183.7	165.9	12.69	7.04	7.79
1909	131.2	93.0	10.12	6.18	8.72	1923	203.5	179.2	13.48	7.47	8.48
1910	154.2	105.9	10.99	6.65	9.67	1924	195.7	163.7	12.27	6.78	8.11
1911	157.0	114.7	11.38	6.83	9.35	1925	223.9	165.0	12.05	6.63	9.00
1912	149.1	120.3	11.66	6.93	8.59	1926	249.2	173.8	12.30	6.65	9.54
1913	161.0	119.9	11.40	6.75	9.06	1927	252.3	180.8	12.26	6.62	9.24
1914	149.3	120.9	11.37	6.80	8.39	1928	270.2	205.4	12.88	6.81	8.96
1915	127.1	113.7	10.63	6.33	7.08	1929	301.8	222.7	13.68	7.17	9.72
1916	157.5	114.7	10.76	6.38	8.76	1930	246.3	237.0	13.59	7.11	7.38

[1] Mar. 1, 1906, to July 1, 1907.

Source: Comptroller of the Currency, Treasury Department.

No. 270.—BANKS OTHER THAN NATIONAL: Principal Resources and Liabilities

NOTE.—Data relate in general to June 30. Banks in Alaska, Hawaii, Porto Rico, and Philippine Islands are included

[All figures, except number of banks, in thousands of dollars]

	1910	1915	1920	1925	1928	1929
Number reporting	15,950	19,457	22,109	20,709	18,522	17,794
Resources	12,553,696	16,008,445	29,667,855	37,706,174	43,066,089	44,732,277
Loans and discounts [1]	7,065,907	9,093,528	17,263,796	21,073,990	24,437,341	26,621,803
Investments	3,111,410	3,813,563	7,201,060	9,069,669	11,024,366	10,092,203
Lawful reserve	1,191,401	1,644,064	2,712,040	1,392,046	1,652,457	1,847,249
Other amounts due from banks				2,088,561	1,730,441	1,713,338
Exchanges for clearing house, checks, and other cash items	137,664	126,589	533,952	1,042,590	789,766	906,766
Cash on hand	558,356	599,945	626,027	591,681	572,732	521,925
All other	488,958	729,856	1,330,980	1,847,628	2,258,986	2,428,993
Liabilities	12,553,696	16,008,445	29,667,855	37,706,174	43,066,089	44,732,277
Capital stock	890,377	1,094,322	1,478,473	1,800,276	1,931,666	2,159,603
Surplus	903,060	1,010,829	1,423,962	2,054,406	2,725,834	3,132,646
Undivided profits—net						
Reserves for dividends, contingencies, etc., and for interest, taxes, etc., accrued and unpaid	191,136	325,022	429,473	525,728	668,924	609,882 149,459
Demand deposits					13,302,856	13,845,896
Time deposits [2]	9,393,161	12,539,469	23,596,312	30,394,519	20,241,471	20,470,522
Deposits not classified					399,038	20,121
Due to banks [3]	428,264	668,671	948,856	1,623,114	1,702,625	1,918,145
Bills payable and rediscounts	83,743	123,094	1,078,792	446,295	764,961	916,196
All other	163,955	242,037	711,987	861,836	1,237,814	1,499,807

For footnotes see p. 275.

No. 270.—Banks Other Than National, etc.—Continued

	1930					
	Total	State banks	Loan and trust companies	Stock savings banks	Mutual savings banks	Private banks
Number reporting	16,827	13,582	1,564	714	606	361
Resources	44,903,585	15,269,902	17,702,660	1,521,109	10,295,308	114,606
Loans and discounts [1]	25,612,904	9,250,386	9,481,521	919,505	5,896,025	65,467
Investments	11,056,557	2,947,712	3,835,746	378,933	3,872,417	21,749
Lawful reserve	2,011,426	848,129	1,045,843	89,247	25,856	2,351
Other amounts due from banks	1,040,656	817,049	531,883	46,925	234,713	10,086
Exchanges for clearing house, checks, and other cash items	1,587,148	188,341	1,392,996	3,513	1,779	519
Cash on hand	523,463	294,852	176,126	16,018	34,404	2,063
All other	2,471,431	923,433	1,238,545	66,968	230,114	12,371
Liabilities	44,903,585	15,269,902	17,702,660	1,521,109	10,295,308	114,606
Capital stock paid in	2,145,445	1,080,960	995,555	60,336		8,594
Surplus	3,377,060	746,812	1,684,184	40,660	898,871	7,127
Undivided profits—net	608,931	239,420	200,102	13,320	154,623	1,466
Reserves for dividends, contingencies, etc., and interest, taxes, etc., accrued and unpaid	216,922	113,080	85,343	2,607	15,795	97
Demand deposits	13,172,315	5,636,021	7,363,000	128,304	10,305	34,685
Time deposits [2]	20,712,790	5,953,921	4,248,970	1,260,852	9,205,258	43,789
Deposits not classified	117,199	38,881	76,929	18		1,371
Due to banks [3]	2,534,249	752,700	1,773,074	6,948	325	1,202
Bills payable and rediscounts	436,784	249,083	172,500	4,045	673	10,483
All other	1,581,290	459,024	1,108,003	4,013	9,458	5,792

[1] Includes rediscounts and overdrafts.
[2] Includes postal savings.
[3] Includes certified and cashiers' checks and beginning 1928 and 1929, respectively, dividend checks and cash letters of credit and travelers' checks outstanding.

No. 271.—SAVINGS AND OTHER TIME DEPOSITS AND DEPOSITORS IN BANKS AND TRUST COMPANIES: Continental United States

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 and 4 in 1928 to 1930 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 (millions of dollars) [1]				Savings and other time depositors (thousands)			
	All banks	Mutual savings banks	State, etc., banks [2]	National banks	All banks	Mutual savings banks	State, etc., banks [2]	National banks
1910	6,835	[3] [4]	[3]	1,014	----------	[4]	----------	2,087
1911	7,963	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	3,368	1,369	----------	8,034	----------	2,965
1914	8,712	3,910	3,348	1,454	----------	7,901	----------	[4]
1915	8,807	3,945	3,541	1,321	----------	7,643	----------	[4]
1916	9,459	4,102	3,641	1,716	----------	7,917	----------	[4]
1917	10,876	4,339	4,364	2,173	----------	8,651	----------	[4]
1918	11,535	4,382	4,817	2,336	----------	8,326	----------	[4]
1919	13,040	4,732	5,532	2,776	----------	9,040	----------	6,763
1920	15,314	5,058	6,793	3,463	----------	9,079	----------	7,980
1921	16,501	5,568	7,265	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	5,158	----------	10,384	----------	10,068
1925	23,134	7,152	10,172	5,810	----------	10,639	----------	11,865
1926	24,696	7,525	10,993	6,178	46,762	10,950	23,242	12,570
1927	26,091	8,040	10,963	7,088	48,355	11,190	22,828	14,337
1928	28,413	8,668	11,695	8,050	[5] 53,188	11,643	25,364	16,181
1929	28,218	8,904	11,426	7,889	[5] 52,764	11,875	25,467	15,422
1930	28,485	9,206	11,183	8,097	52,760	12,077	25,155	15,537

[1] Excluding State, county, and municipal deposits and amounts redeposited by banks.
[2] Includes State, stock savings, and private banks and trust companies.
[3] Combined data for other than national banks included in total.
[4] For data for 1910 and earlier years from reports of the Comptroller of Currency, see Table 273.
[5] Includes depositors in State chartered banks in Ohio and Idaho (2,376,000 in 1928, 2,400,000 in 1929, and 2,367,000 in 1930) not included in 1926 and 1927. See also headnote.

Sources: Table 270, Comptroller of the Currency; Table 271, American Bankers' Association.

No. 272.—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)	
	1910 [1]	1915	1920	1925	1928	1929	1930	1929	1930
Continental U.S.	6,835.5	8,807.4	15,314.1	23,134.1	28,413.0	28,217.7	28,485.0	52,764	52,769
New England	1,460.6	1,850.9	2,689.9	3,750.2	4,631.5	4,720.4	4,832.3	7,579	7,656
Maine	128.6	160.3	204.6	265.7	313.1	315.9	319.3	667	674
New Hampshire	88.7	112.2	147.8	190.5	228.2	230.6	227.1	386	370
Vermont	74.3	101.7	133.1	173.4	206.5	211.1	205.1	375	328
Massachusetts	783.5	[2] 988.6	[2] 1,471.6	2,139.5	2,652.7	2,710.8	2,800.1	4,108	4,193
Rhode Island	123.9	158.0	215.4	299.2	368.4	360.0	372.6	405	408
Connecticut	281.5	330.0	467.5	681.9	862.6	885.9	908.2	1,648	1,583
Middle Atlantic	2,652.4	3,193.0	4,705.3	8,773.6	11,252.8	11,211.1	11,739.6	18,788	19,180
New York	1,825.3	2,223.4	2,807.8	5,546.1	7,119.2	7,183.5	7,616.2	9,598	9,842
New Jersey	234.4	297.2	576.9	1,040.0	1,356.8	1,301.8	1,397.3	2,794	2,827
Pennsylvania	592.7	672.4	1,320.6	2,187.5	2,776.8	2,725.8	2,776.1	6,376	6,461
East North Central	1,082.1	1,472.7	2,779.3	4,074.3	5,229.2	5,087.9	4,817.2	12,602	12,421
Ohio	334.0	433.0	811.9	1,104.1	1,509.1	1,421.3	1,410.8	3,048	2,981
Indiana	75.4	109.3	281.2	259.5	409.6	409.4	361.1	[3] 317	[3] 336
Illinois	351.7	453.9	685.1	1,258.6	1,610.4	1,533.1	1,366.9	4,977	4,914
Michigan	192.7	288.8	651.3	939.0	1,164.9	1,184.3	1,156.9	2,773	2,794
Wisconsin	128.3	187.7	349.8	453.1	535.2	539.8	521.5	1,487	1,396
West North Central	609.5	856.4	1,803.1	1,976.1	1,903.7	1,804.5	1,734.5	2,857	2,826
Minnesota	140.7	225.0	485.3	536.6	532.7	517.6	507.1	978	976
Iowa	194.6	251.7	551.4	524.9	491.7	484.3	465.2	775	[4] 789
Missouri	113.3	150.2	247.4	372.2	412.5	382.5	391.3	[4] 273	[5] 253
North Dakota	34.4	51.9	121.5	95.9	76.0	66.7	57.5	75	71
South Dakota	30.1	47.0	134.9	102.1	68.6	71.1	67.4	78	81
Nebraska	54.0	76.4	155.4	213.2	192.1	166.9	137.0	360	342
Kansas	33.4	54.2	107.2	131.2	130.1	115.4	109.0	318	314
South Atlantic	327.6	436.8	1,034.9	1,418.7	1,659.0	1,578.7	1,534.7	3,743	3,630
Delaware	11.5	17.5	35.9	50.1	61.3	62.8	63.1	128	125
Maryland	125.1	153.3	265.1	385.8	500.9	490.5	512.2	952	1,007
Dist. of Columbia	8.4	18.8	33.4	80.8	96.3	98.4	105.0	336	312
Virginia	45.0	56.9	152.8	216.8	256.9	247.3	[4] 246.7	[6] 523	[4] 537
West Virginia	47.5	69.6	111.4	150.6	168.8	164.0	155.6	426	415
North Carolina	19.6	31.1	121.7	142.3	167.7	155.3	146.2	450	429
South Carolina	25.8	30.7	112.0	112.0	97.5	86.9	76.9	[6] 195	[4] 175
Georgia	29.2	46.0	137.5	132.0	157.0	146.5	141.4	434	420
Florida	15.5	22.9	65.1	148.3	152.6	127.0	87.6	299	210
East South Central	80.2	117.0	321.7	506.9	623.0	606.9	600.4	1,081	1,137
Kentucky	35.6	39.2	96.1	[7] 176.4	222.9	218.2	[4] 218.6	483	[4] 485
Tennessee	24.9	40.9	104.2	155.2	183.8	176.0	186.5	[5] 152	[5] 194
Alabama	9.3	10.2	60.2	93.1	114.8	113.1	100.8	[6] 301	309
Mississippi	10.4	17.7	61.2	82.2	101.5	99.6	94.5	145	[4] 149
West South Central	65.7	100.8	437.1	440.1	530.0	539.2	557.4	1,050	1,056
Arkansas	6.4	10.8	34.3	65.2	74.9	75.8	77.2	150	149
Louisiana	31.8	38.5	99.5	123.3	135.3	130.5	144.1	[6] 391	[4] 397
Oklahoma	10.0	18.4	211.1	87.3	106.3	113.9	109.9	146	[4] 150
Texas	17.5	33.1	92.2	164.3	213.5	219.0	226.2	363	[4] 360
Mountain	105.1	146.5	348.2	331.2	385.9	400.4	375.3	712	762
Montana	14.3	30.3	75.5	55.8	74.2	77.4	69.2	93	100
Idaho	8.1	9.7	32.5	25.8	33.9	34.1	33.6	74	77
Wyoming	7.1	9.0	21.0	20.9	24.7	26.3	25.4	[6] 41	61
Colorado	42.2	48.8	102.9	116.3	116.8	116.4	112.4	[5] 175	[5] 176
New Mexico	5.6	6.7	13.2	7.3	10.0	11.8	11.9	20	21
Arizona	2.4	8.4	37.0	26.4	31.9	35.6	32.5	64	78
Utah	21.4	27.5	51.6	61.2	72.8	75.1	69.0	219	222
Nevada	4.0	6.1	14.5	17.5	21.6	23.7	21.3	26	[4] 27
Pacific	432.4	633.3	1,244.8	1,863.3	2,197.5	2,268.7	2,243.7	4,372	4,251
Washington	53.1	74.6	159.4	181.3	213.1	210.7	227.5	493	543
Oregon	22.6	34.0	76.1	105.9	123.1	123.1	123.4	298	378
California	356.7	524.7	1,009.3	1,576.1	1,861.3	1,934.9	1,892.8	3,581	3,330
Hawaii						43.8	53.5	152	194

[1] Includes demand certificates of deposit for national banks.
[2] Data for mutual savings banks as of Oct. 31, 1915 and 1920.
[3] National and mutual savings banks only, data included for the latter being 1926 figures.
[4] Data for banks other than national are for the latest year available as follows: South Carolina, 1926; Virginia, 1927; Louisiana, 1928; Iowa, Kentucky, Mississippi, Nevada, Oklahoma, and Texas, 1929.
[5] National banks only.
[6] Data for banks other than national are for the latest year available, as follows: South Carolina and Alabama, 1926; Virginia, 1927; Louisiana and Wyoming, 1928.
[7] Includes 1924 data for State banks.

Source: American Bankers Association.

No. 273.—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 per cent of the savings deposits in all savings banks. For figures for later years and also savings deposits in all classes of banks, see Table 271

[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	2,260.3
1860	694	149.3	1889	4,022	1,425.3	1902	5,871	2,280.2
1865	981	242.6	1890	4,259	1,524.8	1903	6,117	2,512.5
1870	1,631	549.9	1891	4,533	1,623.1	1904	6,286	2,602.0
1875	2,360	924.0	1892	4,782	1,712.8	1905	6,404	2,730.5
1880	2,336	819.1	1893	4,831	1,785.2	1906	6,753	2,908.7
1881	2,529	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	3,300.6

Source: Comptroller of the Currency, Treasury Department.

No. 274.—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		
	1928	1929	1930	1928	1929	1930
Continental United States	11,643,335	11,875,299	12,077,272	8,688,090	8,903,557	9,205,580
New England	4,706,600	4,720,801	4,705,562	3,126,649	3,242,035	3,310,244
Maine	229,167	225,782	233,476	113,663	113,402	112,692
New Hampshire	[1] 331,672	292,223	270,304	187,481	194,638	181,230
Vermont	126,883	127,961	124,565	97,126	98,576	94,407
Massachusetts	2,931,837	2,973,468	2,954,855	1,955,956	2,042,506	2,100,325
Rhode Island	199,374	196,386	197,834	165,650	168,081	170,608
Connecticut	887,667	904,981	924,528	606,773	624,832	650,923
Middle Atlantic	6,091,933	6,294,815	6,502,852	5,005,471	5,104,096	5,328,072
New York	4,938,635	5,116,151	5,256,265	4,301,347	4,463,046	4,566,165
New Jersey	501,937	500,874	520,115	281,156	200,325	300,974
Pennsylvania	651,361	677,790	726,472	422,968	440,727	460,933
East North Central	148,921	132,838	191,275	129,164	137,521	137,986
Ohio	[2] 97,838	128,496	136,571	97,290	104,466	108,324
Indiana	[3] 33,374	[3] 33,374	[3] 33,374	24,182	24,505	21,280
Wisconsin	17,709	20,968	21,330	7,692	8,550	8,382
West North Central	140,023	141,063	138,754	69,594	71,797	71,411
Minnesota	140,023	141,063	138,754	69,594	71,797	71,411
South Atlantic	398,886	372,839	377,350	211,975	218,840	225,268
Delaware	47,480	47,691	48,727	24,400	24,641	25,436
Maryland	351,406	325,148	328,623	187,575	194,199	199,833
Pacific	156,972	162,943	161,479	125,237	129,266	132,619
Washington	84,923	93,074	93,736	50,416	53,739	55,060
California	72,049	69,869	67,743	74,821	75,527	77,559

[1] Includes depositors in trust companies. [2] 1925 figures. [3] 1926 figures.

Source: American Bankers' Association.

No. 275.—SUMMARY OF POSTAL SAVINGS BUSINESS, 1911 TO 1930

NOTE.—In addition to main offices there were 797 branches and stations in operation on June 30, 1930. Data include Alaska, Hawaii, Porto 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	Redeemed during year	Outstanding at close of period	
		Dollars	*Dollars*	*Dollars*		*Dollars*	*Dollars*	*Dollars*	*Dollars*
1911	400	778,129	100,984	677,145	11,918	4,826	2,938	1,888	571,671
1912	9,907	30,732,357	11,172,418	20,237,084	243,801	166,479	134,340	34,021	18,580,042
1913	12,158	41,701,383	28,119,597	33,818,870	331,006	161,291	154,784	40,528	31,512,337
1914	9,639	47,815,249	38,189,848	43,444,271	388,511	150,390	141,904	49,014	40,919,678
1915	8,832	70,314,858	48,074,421	65,684,708	525,414	157,424	150,232	56,206	60,086,319
1916	7,701	76,775,868	56,440,691	86,019,885	602,937	181,173	168,833	68,546	80,775,586
1917	6,423	132,112,217	86,177,406	131,954,696	674,728	171,392	168,600	71,338	126,840,820
1918	5,926	116,893,259	100,376,456	148,471,499	612,188	117,864	130,133	59,068	140,558,608
1919	5,716	136,890,122	117,838,361	167,323,260	565,509	67,796	70,767	56,097	135,942,981
1920	5,583	139,208,954	149,255,892	157,276,322	508,508	72,066	69,043	59,120	126,425,019
1921	5,554	133,574,840	138,461,259	152,389,903	466,109	60,024	62,923	56,221	48,568,108
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	88,008,160	94,073,299	131,671,300	417,902	78,197	76,671	63,230	61,844,062
1924	5,995	94,932,846	93,790,011	132,814,135	412,584	68,606	68,945	62,891	96,360,974
1925	5,896	89,707,991	90,348,915	132,173,211	402,325	51,888	53,547	61,232	97,898,486
1926	5,853	90,751,051	88,745,704	134,178,558	399,305	44,050	46,654	58,628	101,175,541
1927	5,896	103,606,868	90,426,172	147,359,254	411,394	37,563	37,790	58,400	114,507,400
1928	5,897	95,386,499	91,602,404	152,143,349	412,250	34,145	34,874	57,672	118,714,510
1929	5,976	112,446,412	110,945,232	153,644,529	416,584	27,530	27,763	57,439	127,039,413
1930	5,998	159,959,071	138,331,914	175,271,686	466,401	26,105	25,946	57,597	148,255,213

No. 276.—POSTAL SAVINGS DEPOSITS AND DEPOSITORS: BY STATES

State or Territory	Number of depositors, June 30, 1930	Balance to credit of depositors, June 30—	
		1929	1930
		Dollars	*Dollars*
Grand total	466,402	153,644,529	175,271,686
Cont'l U. S.	463,328	152,772,610	174,433,325
New England	21,959	8,197,664	8,029,047
Maine	481	112,387	109,918
New Hampshire	1,235	299,091	350,255
Vermont	175	54,242	46,375
Massachusetts	13,944	6,190,599	5,891,152
Rhode Island	1,858	422,585	390,095
Connecticut	4,266	1,118,160	1,241,252
Middle Atlantic	146,404	38,710,312	37,351,029
New York	105,838	28,093,883	26,500,238
New Jersey	13,021	2,102,766	2,261,586
Pennsylvania	27,550	8,513,663	8,589,205
East North Central	38,635	14,603,279	18,865,979
Ohio	7,759	2,972,358	3,453,899
Indiana	4,066	1,509,007	1,903,594
Illinois	18,079	6,582,946	9,468,318
Michigan	5,489	2,095,622	2,483,055
Wisconsin	3,242	1,447,446	1,557,113
West North Central	70,224	33,221,572	37,413,652
Minnesota	17,455	8,241,537	8,888,468
Iowa	13,884	8,249,346	8,400,200
Missouri	12,767	5,265,426	5,877,319
North Dakota	4,518	2,150,277	2,452,147
South Dakota	8,255	4,401,492	4,020,662
Nebraska	6,051	1,343,703	3,252,093
Kansas	7,294	3,563,791	3,922,763
South Atlantic	70,643	13,603,001	25,047,395
Delaware	573	99,202	105,159
Maryland	594	117,427	138,951
District of Columbia	2,111	368,561	408,516
S. Atlantic—Contd.			
Virginia	1,916	264,356	574,085
West Virginia	1,722	857,874	1,304,878
North Carolina	2,569	542,402	1,080,714
South Carolina	5,167	1,527,315	2,128,606
Georgia	8,010	1,996,535	2,817,135
Florida	47,986	7,899,229	16,489,291
East South Central	7,890	1,279,380	1,992,809
Kentucky	997	234,861	266,473
Tennessee	1,726	606,956	655,101
Alabama	4,080	328,448	932,882
Mississippi	487	109,595	138,353
West South Central	27,880	10,871,856	13,090,767
Arkansas	1,822	674,031	983,243
Louisiana	1,317	362,673	472,743
Oklahoma	12,628	5,606,876	6,481,545
Texas	11,913	4,228,276	5,153,236
Mountain	46,550	18,456,791	18,390,931
Montana	17,985	6,181,292	5,774,534
Idaho	6,924	2,613,850	2,641,403
Wyoming	3,615	1,865,556	1,890,010
Colorado	8,441	3,850,337	3,931,160
New Mexico	3,553	1,538,403	1,668,832
Arizona	3,861	1,370,689	1,533,215
Utah	1,086	615,969	590,015
Nevada	1,085	390,695	411,693
Pacific	33,338	13,763,275	14,250,716
Washington	14,215	6,846,965	6,579,373
Oregon	9,552	3,802,736	4,258,622
California	10,071	3,113,574	3,412,721
Alaska	739	687,672	649,551
Hawaii	133	19,979	24,649
Porto Rico	1,571	141,517	137,903
Virgin Islands	131	22,751	27,258

Source of Tables 275 and 276: Report of the Postmaster General on the Postal Savings System.

No. 277.—BUILDING AND LOAN ASSOCIATIONS: NUMBER, MEMBERSHIP, AND ASSETS

NOTE.—Data for a majority of the States are as of December 31; for some States, however, they are as of the close of the fiscal year ending various dates

Year (see note)	Associations	Members	Assets (1,000 dollars)	Year (see note)	Associations	Members	Assets (1,000 dollars)
1895	5,973	[1] 1,545,129	624,700	1919	7,788	4,289,326	2,126,620
1900	5,400	[1] 1,495,136	614,119	1920	8,624	5,026,781	2,534,320
1905	5,326	1,686,611	646,765	1921	9,255	5,809,888	2,899,765
1909	5,737	2,029,927	860,783	1922	10,009	6,364,144	3,342,531
1910	5,937	2,216,912	945,569	1923	10,744	7,202,880	3,942,940
1912	6,273	2,516,936	1,137,601	1924	11,844	8,554,852	4,765,937
1913	6,429	2,836,433	1,248,479	1925	12,403	9,886,997	5,509,176
1914	6,616	3,103,935	1,357,708	1926	12,626	10,665,705	6,334,104
1915	6,806	3,334,899	1,484,206	1927	12,800	11,308,061	7,150,207
1916	7,072	3,568,432	1,598,628	1928	12,666	11,995,905	8,016,034
1917	7,269	3,838,612	1,769,142	1929	12,342	12,111,209	8,695,154
1918	7,484	4,011,401	1,898,344	1930	11,777	12,343,254	8,828,612

State	Associations			Members			Assets (thousands of dollars)		
	1920	1928	1929	1920	1928	1929	1920	1928	1929
Maine	39	36	36	17,548	28,673	29,000	9,249	20,982	23,508
New Hampshire	25	28	29	11,067	16,483	17,208	4,701	11,502	12,727
Vermont	7	11	14	1,499	5,149	5,940	549	3,286	4,066
Massachusetts	202	226	227	296,411	512,714	519,198	174,043	516,138	543,655
Rhode Island	8	8	8	14,690	37,769	42,021	8,127	25,717	27,827
Connecticut	30	39	44	18,615	30,808	32,808	7,097	22,589	24,731
New York	267	313	309	249,174	577,121	593,098	115,780	401,461	422,141
New Jersey [2]	939	1,561	1,562	426,264	1,200,000	1,200,000	238,908	1,032,429	1,151,503
Pennsylvania	2,788	4,272	3,901	1,036,052	1,753,253	1,650,000	475,615	1,340,056	1,400,000
Ohio [2]	775	812	810	973,168	2,452,025	2,388,625	462,790	1,237,521	1,283,066
Indiana	358	402	402	212,300	449,168	450,373	109,721	298,262	312,330
Illinois	686	916	927	292,600	873,000	918,000	148,779	419,928	448,423
Michigan	75	72	69	99,765	212,320	212,672	50,977	142,639	161,105
Wisconsin	97	186	187	87,000	296,973	303,407	48,041	251,619	282,781
Minnesota	63	80	79	23,904	83,090	92,554	11,354	36,739	39,422
Iowa	68	74	74	49,000	67,088	64,421	17,654	46,282	49,046
Missouri	181	241	237	71,494	241,680	265,774	40,863	179,628	198,862
North Dakota	12	20	20	7,325	19,000	19,600	3,657	10,470	10,953
South Dakota	16	23	23	6,515	12,679	10,880	4,006	6,241	5,440
Nebraska	74	84	83	119,131	250,000	252,638	77,039	161,399	163,460
Kansas	90	151	155	86,716	211,820	211,938	39,060	126,114	132,187
Delaware	[3]	44	44	[3]	18,650	19,500	[3]	11,828	14,031
Maryland	[3]	[4] 1,210	[5] 1,200	[3]	[4] 330,000	[5] 330,000	[3]	[4] 210,000	[5] 215,000
District of Columbia	21	22	24	45,525	68,543	72,043	30,125	63,364	68,410
Virginia	[3]	[5] 87	91	[3]	[5] 60,800	65,000	[3]	[5] 55,000	58,879
West Virginia	53	62	63	26,150	66,170	67,300	9,928	39,704	41,827
North Carolina	145	232	233	57,526	108,170	105,658	29,368	95,010	95,848
South Carolina	120	[5] 145	[5] 151	15,920	[5] 30,000	[5] 33,000	5,777	[5] 24,000	[5] 26,500
Georgia	[3]	34	36	[3]	12,054	15,083	[3]	3,954	5,149
Florida	[3]	71	69	[3]	16,000	16,500	[3]	21,603	21,658
Kentucky	119	155	158	77,818	154,700	170,500	34,801	97,438	110,806
Tennessee	11	39	38	5,000	19,950	21,300	3,053	12,304	15,533
Alabama	[3]	42	40	[3]	38,750	42,500	[3]	27,798	30,271
Mississippi	[3]	52	43	[3]	26,600	29,500	[3]	18,035	19,863
Arkansas	49	74	71	28,000	66,688	75,271	17,887	39,870	43,601
Louisiana	68	105	106	80,000	193,359	204,496	46,184	186,892	190,561
Oklahoma	62	88	91	46,343	216,131	265,679	28,590	130,612	139,809
Texas	31	162	176	9,300	165,780	187,880	3,252	113,034	137,016
Montana	21	26	27	16,156	44,500	43,728	3,687	18,385	20,368
Idaho	[3]	13	14	[3]	6,300	6,900	[3]	3,796	4,475
Wyoming	[3]	13	13	[3]	21,077	20,750	[3]	11,271	11,122
Colorado	42	67	69	22,000	131,528	117,023	10,986	49,554	54,018
New Mexico	13	18	19	4,100	7,600	5,047	1,707	4,172	4,806
Arizona	4	6	8	3,100	5,500	6,700	1,174	2,745	4,415
Utah	[3]	24	24	[3]	127,026	126,536	[3]	45,653	51,680
Nevada	[3]	4	4	[3]	1,475	1,360	[3]	848	820
Washington	43	73	73	55,354	312,872	293,816	20,175	115,925	105,317
Oregon	10	37	39	17,611	50,700	51,000	5,200	24,968	28,321
California [6]	87	206	222	42,420	323,160	437,584	47,851	297,189	477,226

[1] Total membership of local associations only; does not include national associations, membership of which declined to 44,484 in 1905; now extinct.

[2] 1920 data for New Jersey are as of June 30, for Ohio as of May 31; 1928 and 1929 data as of Dec. 31.

[3] Not available; estimates for States not shown are included in United States total.

[4] Estimate for 1927.

[5] Estimate.

[6] Data as of Dec. 31, 1929; June 30 theretofore.

Source: United States League of Building and Loan Associations.

No. 278.—CERTAIN MAJOR ITEMS OF SAVINGS OF THE UNITED STATES

NOTE.—In millions of dollars. Increase in savings and other time deposits is for fiscal years ended June 30; increase in assets of building and loan associations includes figures for calendar years for some States and fiscal years for others; other data are for calendar years. The last column should not be added to other items, as there is much duplication between it and them. For example, savings banks and life-insurance companies both invest their assets in the securities of corporations. On the other hand, many forms of savings, some of large amount, are not listed

Year	Increase in savings and other time deposits, all banks [1]	Increase in assets of building and loan associations	Premiums paid to life-insurance companies, less operating expenses			Additions to surpluses of corporations [2]	New capital issues
			Total	Ordinary companies	Industrial companies		
1913	144	111	524	374	150	----------	----------
1918	650	129	700	502	208	----------	----------
1919	1,506	228	840	566	274	----------	3,588
1920	2,274	408	931	610	321	----------	3,635
1921	1,187	356	1,088	719	369	----------	3,577
1922	1,078	452	1,198	779	419	1,747	4,304
1923	2,148	600	1,322	833	489	2,528	4,304
1924	1,462	823	1,514	947	567	1,575	5,593
1925	1,945	743	1,694	1,046	647	2,957	6,220
1926	1,562	825	1,873	1,145	729	2,335	6,344
1927	1,395	822	2,079	1,269	810	1,115	7,791
1928	2,322	860	2,296	1,372	924	2,479	8,114
1929	[3] 195	679	2,430	1,433	997	----------	10,183
1930	267	133	----------	----------	----------	----------	7,030

[1] Excluding State, county, and municipal deposits and amounts redeposited by banks.
[2] Net profit less cash dividends and income and profits tax as compiled from income tax returns.
[3] Decrease.

Sources: See sources of Tables 189, 271, 277, 309, and 321.

General note as to credit extended by banks organized under the Federal farm loan act.—Federal and joint-land banks, operating under the supervision of the Federal Farm Loan Board, extend long-term credit to farmers on security of first mortgages on farm lands. The loans must be on an amortization basis and for maturities of not less than 5 nor more than 40 years. Practically all loans of the former are made through and indorsed by national farm-loan associations, while the latter deal directly with the borrowers. The Federal intermediate credit banks, also under supervision of the Federal Farm Loan Board, provide agricultural credit for a period of not more than 3 years. They discount agricultural paper for banks and agricultural credit corporations, livestock loan companies, and other financing institutions, and make direct loans to cooperative marketing associations secured by warehouse receipts or shipping documents representing staple agricultural commodities. Under an amendment of June 30, 1930, they may also make loans to banks and other financing institutions upon security of agricultural or livestock paper eligible for discount.

No. 279.—FEDERAL AND JOINT-STOCK LAND BANKS: UNMATURED PRINCIPAL OF MORTGAGE LOANS OUTSTANDING

NOTE.—All figures in thousands of dollars. Figures do not include the principal of delinquent installments. Payments made in advance of maturity have not been deducted as in Tables 283 and 286. Figures for joint-stock land banks include unpaid principal of loans of three banks placed in receivership in 1927

Dec. 31—	Federal land banks	Joint-stock land banks	Dec. 31—	Federal land banks	Joint-stock land banks
1918	156,214	8,384	1925	1,005,685	545,559
1919	203,595	60,038	1926	1,077,819	632,476
1920	349,679	77,959	1927	1,155,644	667,314
1921	432,523	85,017	1928	1,194,470	656,516
1922	539,486	218,775	1929	1,197,960	627,415
1923	799,597	302,639	1930	1,188,132	590,811
1924	927,568	446,429			

Source: Federal Farm Loan Board.

No. 280.—FEDERAL LAND BANKS: Loans of Each Bank, by States

[All money figures in thousands of dollars]

Bank and State	Loans submitted for bond issue from organization to Dec. 31, 1930 [1]						Loans closed during		Loans outstanding Dec. 31, 1930 [2]
	Number of loans	Amount loaned by banks	Land mortgaged (1,000 acres)	Original appraised valuation			1929	1930	
				Total	Land	Buildings			
Total	493,595	1,561,422	91,849	4,273,680	3,349,306	924,374	64,251	47,971	1,138,132
Springfield	21,182	66,697	2,730	221,624	119,304	102,320	3,654	2,494	49,767
Maine	3,370	9,331	438	30,290	18,314	11,975	397	149	6,142
New Hampshire	692	1,594	105	5,336	2,789	2,547	35	12	957
Vermont	1,617	4,891	294	15,649	8,800	6,849	47	24	3,842
Massachusetts	2,022	6,090	245	19,637	10,516	9,121	377	265	4,187
Rhode Island	218	724	19	2,334	1,266	1,069	72	52	542
Connecticut	1,777	6,110	168	18,802	9,748	9,053	386	271	4,352
New York	9,666	33,008	1,310	108,080	55,742	52,338	1,823	1,413	24,934
New Jersey	1,820	6,950	150	21,496	12,128	9,367	518	309	5,159
Baltimore	34,287	92,657	4,490	257,224	185,866	71,358	4,452	2,476	68,394
Pennsylvania	8,317	22,594	912	65,454	40,217	25,237	1,194	630	16,347
Virginia	14,320	38,580	2,146	107,948	78,665	29,284	1,282	573	27,346
West Virginia	5,228	10,340	705	28,975	21,713	7,263	372	315	8,081
Maryland	1,377	5,770	207	15,652	10,709	4,853	319	124	3,910
Delaware	171	577	21	1,553	1,027	526	36	7	416
Porto Rico	4,874	14,796	500	37,641	33,445	4,196	1,249	826	12,300
Columbia	38,974	85,424	5,628	235,291	180,135	55,157	1,467	862	58,240
North Carolina	13,158	24,687	1,388	70,612	51,763	18,849	499	425	17,343
South Carolina	7,861	21,816	1,262	60,594	45,910	14,683	300	154	13,184
Georgia	13,110	29,776	2,327	79,356	62,628	16,738	509	209	21,571
Florida	4,845	9,145	652	24,720	19,834	4,887	159	74	6,142
Louisville	49,571	155,556	6,121	414,870	326,005	88,865	6,190	3,111	121,651
Tennessee	13,103	31,684	1,604	84,652	68,350	16,302	951	629	24,318
Kentucky	12,077	33,789	1,366	91,915	70,383	21,533	1,064	690	24,629
Indiana	16,132	57,625	2,316	151,739	122,532	29,207	2,616	863	46,401
Ohio	8,259	32,458	835	86,564	64,741	21,824	1,559	929	26,213
New Orleans	72,703	142,429	11,614	404,318	304,106	100,212	3,892	3,555	107,617
Alabama	27,418	49,104	4,202	137,275	101,929	35,346	1,631	1,514	37,934
Louisiana	15,286	36,937	2,432	103,478	79,495	23,978	749	571	27,800
Mississippi	29,999	56,387	4,980	163,571	122,683	40,888	1,513	1,471	42,083
St. Louis	39,714	134,744	4,970	341,855	292,650	49,205	9,655	4,203	107,111
Illinois	10,463	63,406	1,124	162,787	140,365	22,423	6,663	3,392	54,126
Missouri	11,665	40,400	1,641	102,447	85,487	16,960	1,639	601	30,038
Arkansas	17,586	30,938	2,205	76,621	66,799	9,822	754	210	22,947
St. Paul	44,664	166,449	7,324	474,892	333,144	141,248	4,769	3,404	118,976
Minnesota	11,830	52,981	1,635	146,938	107,857	39,081	1,790	1,132	36,131
Michigan	12,033	31,796	1,696	96,290	59,802	36,488	1,165	778	24,653
Wisconsin	9,413	36,640	1,060	104,517	70,197	34,320	1,094	965	26,445
North Dakota	11,408	45,032	2,933	126,648	95,288	31,359	720	530	31,747
Omaha	34,412	210,181	9,287	551,061	474,031	77,029	9,624	8,345	167,835
Iowa	12,413	100,850	1,507	256,253	219,089	37,163	6,042	4,723	82,466
Nebraska	11,389	62,506	4,490	168,591	146,736	21,855	2,310	2,390	47,902
South Dakota	7,923	38,534	1,981	103,144	88,467	14,677	1,206	1,220	30,853
Wyoming	2,687	8,290	1,310	23,073	19,739	3,334	66	13	6,614
Wichita	36,878	116,784	11,668	328,837	271,037	57,800	3,779	4,738	89,284
Kansas	11,007	44,968	2,878	121,072	100,127	20,945	968	1,755	32,966
Oklahoma	9,434	26,470	1,792	73,211	61,767	11,444	1,229	1,279	21,201
Colorado	10,546	32,571	3,811	97,376	78,852	18,524	1,206	1,395	25,336
New Mexico	5,891	12,776	3,186	37,178	30,291	6,886	377	309	9,781
Houston	67,555	188,875	17,534	495,065	416,197	78,869	10,424	8,489	153,252
Texas	67,555	188,875	17,534	495,065	416,197	78,869	10,424	8,489	153,252
Berkeley	18,246	69,619	2,242	182,377	152,969	29,408	2,725	1,815	51,712
California	10,022	40,512	1,240	109,450	89,421	20,029	1,692	1,090	28,412
Utah	6,021	18,585	606	44,683	39,177	5,505	579	398	14,579
Nevada	416	3,047	201	7,697	6,558	1,159	180	115	2,930
Arizona	1,787	7,475	195	20,547	17,833	2,714	274	301	5,791
Spokane	41,389	130,007	8,241	366,765	293,862	72,903	4,220	4,482	94,093
Idaho	8,649	31,096	1,214	83,266	70,193	13,072	1,138	1,085	22,725
Montana	9,606	29,710	3,991	85,237	69,112	16,125	988	1,047	21,080
Oregon	7,881	26,374	1,457	71,680	59,293	12,387	589	630	18,913
Washington	15,253	42,828	1,578	126,582	95,263	31,319	1,506	1,721	31,375

[1] For total loans closed by Federal land banks from organization to date, see Table 282.
[2] Unmatured principal.

Source: Federal Farm Loan Board.

No. 281.—FEDERAL LAND BANKS: PURPOSES OF LOANS SUBMITTED FOR BOND ISSUE FROM ORGANIZATION, AUGUST 7, 1916, TO DECEMBER 31, 1930

NOTE.—For total amount of loans submitted for bond issue by each bank, see Table 280.

[Amounts in thousands of dollars]

Bank	Purchase of land		Buildings and improvements		Equipment, fertilizer, live-stock, and irrigation		National farm loan association stock		To pay mortgages		To pay other debts	
	Amount	Per cent	Amount	Per cent	Amount	Per cent	Amount	Per cent	Amount	Per cent	Amount	Per cent
Total	157,943	10.1	77,136	4.9	44,795	2.9	78,090	5.0	1,024,213	65.6	179,246	11.5
Springfield	11,192	16.3	3,179	4.6	1,518	2.2	3,435	5.0	44,555	64.9	4,818	7.0
Baltimore	8,062	8.7	5,488	5.9	3,309	3.6	4,632	5.0	62,856	67.8	8,311	9.0
Columbia	4,635	5.4	5,988	7.0	1,827	2.2	4,281	5.0	64,167	75.1	4,525	5.3
Louisville	23,258	15.0	8,044	5.2	3,813	2.4	7,781	5.0	92,771	59.6	19,883	12.8
New Orleans	7,425	5.2	12,789	9.0	5,077	3.6	7,120	5.0	96,653	67.9	13,364	9.3
St. Louis	13,933	10.3	5,473	4.1	2,493	1.9	6,737	5.0	92,084	68.3	14,025	10.4
St. Paul	11,240	6.7	7,910	4.8	2,075	1.2	8,322	5.0	115,664	69.5	21,239	12.8
Omaha	20,908	14.3	4,308	2.1	5,145	2.4	10,514	5.0	129,907	61.8	30,278	14.4
Wichita	13,697	11.7	4,403	3.8	5,603	4.8	5,841	5.0	67,751	58.0	19,489	16.7
Houston	20,767	11.1	7,388	3.9	6,051	3.2	9,446	5.0	128,394	67.9	16,829	8.9
Berkeley	4,306	6.2	4,605	6.6	2,671	3.9	3,478	5.0	45,761	65.7	8,797	12.6
Spokane	9,460	7.3	7,499	5.8	5,213	4.0	6,503	5.0	83,649	64.3	17,083	13.6

No. 282.—NATIONAL FARM LOAN ASSOCIATIONS: NUMBER OF ASSOCIATIONS AND LOANS MADE BY FEDERAL LAND BANKS FROM ORGANIZATION TO DECEMBER 31, 1930

NOTE.—4,976 associations were chartered to Dec. 31, 1930, 320 of which were canceled

Federal land bank district and State	Number of associations, Dec. 31, 1930	Loans [1]		
		Number	Amount (1,000 dollars)	Average (dollars)
Total	4,656	512,196	1,663,917	3,229
District No. 1:				
Maine	20	3,433	9,458	2,755
New Hampshire	8	703	1,615	2,298
Vermont	13	1,656	4,956	2,993
Massachusetts	14	2,080	6,193	2,977
Rhode Island	2	222	716	3,224
Connecticut	15	1,832	6,226	3,399
New York	50	9,929	33,573	3,381
New Jersey	19	1,764	7,082	4,015
District No. 2:				
Virginia	87	14,143	38,240	2,704
Maryland	20	1,378	5,738	4,164
Delaware	3	165	555	3,364
Pennsylvania	55	8,231	21,043	2,666
West Virginia	37	5,143	10,161	1,976
Porto Rico	-------	5,035	15,389	3,056
District No. 3:				
North Carolina	148	13,454	26,223	1,949
South Dakota	117	8,044	22,796	2,834
Georgia	109	13,243	30,868	2,331
Florida	67	4,940	9,570	1,937
District No. 4:				
Tennessee	124	13,411	32,610	2,432
Kentucky	109	11,367	35,198	3,096
Indiana	116	16,625	59,445	3,576
Ohio	85	8,569	33,230	3,878
District No. 5:				
Alabama	126	28,176	52,561	1,865
Louisiana	80	15,733	38,904	2,473
Mississippi	159	30,695	60,699	1,977
District No. 6:				
Illinois	141	10,785	66,633	6,178
Missouri	158	11,892	41,815	3,616
Arkansas	116	17,794	32,079	1,803
District No. 7:				
North Dakota	198	11,854	47,609	4,016
Minnesota	180	12,548	58,704	4,678
Wisconsin	137	9,909	39,938	4,030
Michigan	134	12,550	33,674	2,675
District No. 8:				
Iowa	155	13,202	109,660	8,306
Nebraska	146	12,072	67,971	5,630
South Dakota	100	8,213	41,330	5,093
Wyoming	37	2,759	8,854	3,209
District No. 9:				
Kansas	154	12,147	51,377	4,230
Oklahoma	121	10,594	29,715	2,805
Colorado	118	11,008	34,714	3,163
New Mexico	63	6,330	14,158	2,237
District No. 10:				
Texas	347	67,028	200,902	2,997
District No. 11:				
California	107	10,800	44,210	4,094
Utah	69	6,184	19,580	3,166
Nevada	7	463	3,282	7,089
Arizona	16	1,893	7,914	4,181
District No. 12:				
Idaho	91	8,814	32,184	3,651
Montana	157	9,727	30,837	3,170
Oregon	94	7,991	27,501	3,442
Washington	167	15,668	44,926	2,867

[1] Includes a relative small number of loans made through agents and loans directly to borrowers in Porto Rico as well as through national farm loan associations.

Source of Tables 281 and 282: Federal Farm Loan Board.

No. 283.—FEDERAL LAND BANKS: PRINCIPAL ASSETS AND LIABILITIES AS OF DECEMBER 31

[All figures in thousands of dollars]

Bank	Assets					Liabilities			
	Total	Net mortgage loans [1]	U. S. securities	Accrued interest	Cash on hand and in banks	Capital stock	Reserves and undivided profits	Farm loan bonds outstanding [2]	Accrued interest
All banks:									
1928	1,285,246	1,193,343	28,004	18,627	16,218	64,754	17,729	1,174,543	18,530
1929	1,301,138	1,197,282	21,816	18,678	13,720	65,735	18,384	1,187,662	16,207
1930	1,298,349	1,187,439	16,920	18,533	15,860	66,133	17,523	1,184,460	18,484
Springfield	54,945	49,697	1,801	790	510	3,008	496	50,075	826
Baltimore	73,813	68,375	1,750	1,266	1,003	3,842	825	67,393	1,111
Columbia	70,019	58,184	1,257	908	386	3,242	471	64,663	851
Louisville	130,566	121,555	823	2,123	2,342	6,679	2,700	113,505	1,788
New Orleans	120,313	107,763	730	1,834	1,035	6,154	1,251	110,229	1,881
St. Louis	114,400	107,060	1,070	1,607	1,134	5,856	770	105,818	1,433
St. Paul	137,316	118,950	1,483	1,659	1,620	6,647	1,085	126,579	2,009
Omaha	176,165	167,742	3,028	2,547	861	9,121	3,224	160,275	2,518
Wichita	95,300	89,263	1,460	1,238	1,298	4,834	1,527	87,233	1,405
Houston	162,342	153,152	1,316	2,273	3,220	8,338	4,447	146,507	2,204
Berkeley	55,907	51,636	359	818	1,289	3,089	631	51,017	752
Spokane	107,173	94,061	837	1,321	554	5,284	5	96,046	1,756

[1] Less principal of delinquent installments and payments made in advance of maturity. [2] Unmatured.

Source: Federal Farm Loan Board.

No. 284.—JOINT-STOCK LAND BANKS: LOANS, BY STATES

[All money figures in thousands of dollars]

State	Loans submitted for bond issue from organization to Dec. 31, 1930						Total loans closed from organization to Dec. 31, 1930	Loans closed during—		Loans outstanding Dec. 31, 1930 [1]
	Number of loans	Amount loaned by bank	Land mortgaged (1,000 acres)	Original appraised valuation				1929	1930	
				Total	Land	Buildings				
Total	125,605	845,305	34,804	2,193,580	1,830,851	362,729	892,753	18,188	5,236	590,311
Alabama	1,073	6,739	392	19,672	16,554	3,118	6,913	81	4	5,658
Arizona	544	3,929	54	11,138	10,149	989	4,185	100	------	2,802
Arkansas	1,816	15,711	574	40,847	35,937	4,910	16,387	239	200	12,612
California	2,967	37,619	867	96,340	83,913	12,427	42,009	1,254	806	27,655
Colorado	1,489	9,886	569	27,701	22,903	4,797	10,204	9	11	8,494
Georgia	1,901	10,026	689	29,026	22,583	6,443	10,085	179	15	8,318
Idaho	1,126	5,209	118	13,818	11,908	1,911	5,258	340	194	3,942
Illinois	10,367	90,508	1,435	229,075	202,367	27,308	95,235	3,508	356	67,872
Indiana	9,196	48,208	999	124,808	107,175	17,633	50,928	1,496	858	35,609
Iowa	10,251	123,113	1,705	298,830	264,263	34,567	132,906	2,858	577	82,925
Kansas	4,787	30,724	1,757	76,389	67,452	8,937	31,243	------	------	15,929
Kentucky	2,654	15,411	390	39,544	31,420	8,125	15,703	285	244	10,370
Louisiana	74	1,509	77	4,306	3,587	720	1,489	52	8	1,081
Maryland	857	5,111	136	14,650	9,201	5,449	5,380	168	122	4,085
Michigan	2,439	11,174	281	31,953	20,755	11,198	11,209	330	123	8,535
Minnesota	4,807	42,213	924	105,967	88,674	17,292	44,509	324	96	20,060
Mississippi	617	9,508	325	26,881	23,432	3,449	10,317	236	256	6,786
Missouri	4,163	30,961	761	75,557	65,643	9,914	36,987	80	12	17,419
Montana	344	2,045	229	5,907	4,846	1,061	2,076	------	------	1,445
Nebraska	4,224	36,464	1,629	95,241	83,732	11,509	37,389	498	65	24,532
Nevada	35	755	38	1,937	1,612	326	820	------	------	610
New Jersey	533	2,719	56	8,183	4,389	3,794	2,822	88	------	2,018
New York	2,853	14,323	360	42,888	24,955	17,933	14,645	659	53	10,984
North Carolina	14,055	46,049	2,047	133,038	99,637	33,401	47,425	865	162	35,020
North Dakota	798	4,732	210	15,327	12,702	2,625	4,768	------	4	3,717
Ohio	7,918	36,801	859	99,049	71,068	27,981	38,028	981	180	25,704
Oklahoma	1,524	7,718	489	19,378	17,117	2,261	7,101	------	------	4,173
Oregon	1,812	14,927	908	38,647	34,037	4,611	15,142	493	329	11,495
Pennsylvania	2,970	11,291	337	34,775	18,573	16,201	12,161	511	26	8,511
South Carolina	3,107	16,242	771	41,049	32,210	8,839	16,760	83	23	11,116

[1] Unmatured principal except for the 3 banks in receivership, for which unpaid principal is used.

No. 284.—JOINT-STOCK LAND BANKS: LOANS, BY STATES—Continued

[All money figures in thousands of dollars]

State	Loans submitted for bond issue from organization to Dec. 31, 1930						Total loans closed from organization to Dec. 31, 1930	Loans closed during		Loans outstanding Dec. 31, 1930
	Number of loans	Amount loaned by bank	Land mortgaged (1,000 acres)	Original appraised valuation				1929	1930	
				Total	Land	Buildings				
South Dakota	2,035	17,147	3,908	44,703	37,708	6,995	18,017	194	169	8,842
Tennessee	976	4,186	151	11,111	9,072	2,039	4,120	56	25	2,820
Texas	14,225	97,540	8,639	246,281	218,932	27,349	104,012	2,014	213	75,888
Utah	135	843	39	2,115	1,780	335	859	7	-------	581
Virginia	2,710	12,582	510	28,439	25,507	2,982	12,657	159	25	9,108
Washington	243	2,582	141	6,053	5,050	1,004	2,677	6	57	1,723
West Virginia	2,457	7,670	364	22,496	16,446	6,049	8,380	31	22	4,203
Wisconsin	1,176	5,880	154	16,070	11,576	4,494	6,222	-------	-------	3,004
Wyoming	737	5,261	904	13,740	11,898	1,842	5,675	-------	1	3,875

No. 285.—JOINT-STOCK LAND BANKS: PURPOSES OF LOANS SUBMITTED FOR BOND ISSUE FROM ORGANIZATION TO DECEMBER 31, 1930

[All money figures in thousands of dollars]

State	Total amount loaned	Purchase of land		Buildings and improvements		Equipment, fertilizer, livestock, and irrigation		To pay mortgages		To pay other debts	
		Amount	Per cent	Amount	Per cent	Amount	Per cent	Amount	Per cent	Amount	Per cent
Total	845,305	92,601	11.0	27,168	3.2	17,596	2.1	649,515	76.8	58,425	6.9
Alabama	6,739	388	5.7	274	4.1	112	1.7	5,664	84.0	303	4.5
Arizona	3,929	365	9.3	90	2.3	40	1.0	3,152	80.2	283	7.2
Arkansas	15,711	1,199	7.6	809	5.2	706	4.5	12,240	77.9	757	4.8
California	37,619	2,244	6.0	1,535	4.1	828	2.2	29,464	78.3	3,549	9.4
Colorado	9,886	923	9.3	143	1.4	268	2.8	7,742	78.3	810	8.2
Georgia	10,026	797	7.9	381	3.8	365	3.6	7,826	78.1	657	6.6
Idaho	5,209	400	7.8	60	1.2	58	1.1	4,343	83.4	341	6.5
Illinois	90,508	13,560	15.0	1,694	1.9	1,146	1.3	65,921	72.8	8,186	9.0
Indiana	48,208	9,686	20.1	1,513	3.2	822	1.7	32,451	67.3	3,705	7.7
Iowa	123,113	12,645	10.3	2,965	2.4	1,322	1.1	98,772	80.2	7,410	6.0
Kansas	30,724	3,093	10.1	561	1.8	920	3.0	24,188	78.7	1,962	6.4
Kentucky	15,411	1,442	9.4	425	2.8	245	1.6	12,478	80.9	821	5.3
Louisiana	1,500	55	3.7	10	.6	23	1.6	1,340	89.3	71	4.8
Maryland	5,111	719	14.1	171	3.3	113	2.2	3,763	73.6	345	6.8
Michigan	11,174	1,435	12.8	433	3.9	238	2.1	8,425	75.4	643	5.8
Minnesota	42,213	2,931	6.9	1,031	2.4	491	1.2	35,787	84.8	1,973	4.7
Mississippi	9,508	1,199	12.6	603	6.3	200	2.1	6,537	68.8	968	10.2
Missouri	30,961	2,862	9.3	993	3.2	476	1.5	24,998	80.7	1,532	5.3
Montana	2,045	133	6.5	67	3.3	117	5.7	1,370	67.0	357	17.5
Nebraska	36,464	5,588	15.3	723	2.0	707	2.0	26,683	73.2	2,704	7.5
Nevada	755	35	4.6	5	.7	61	8.1	626	82.9	28	3.7
New Jersey	2,719	331	12.2	148	5.4	92	3.4	2,009	73.9	139	5.1
New York	14,323	1,664	11.6	533	3.7	384	2.7	10,978	76.6	765	5.4
North Carolina	46,049	3,649	7.9	3,572	7.8	1,436	3.1	33,574	72.9	3,817	8.3
North Dakota	4,732	142	3.0	65	1.4	72	1.5	4,261	90.1	192	4.0
Ohio	36,801	5,704	15.5	1,322	3.6	762	2.1	26,984	73.3	2,029	5.5
Oklahoma	7,718	675	8.8	184	2.4	355	4.6	6,100	79.0	404	5.2
Oregon	14,027	1,514	10.1	307	2.1	397	2.7	11,458	76.7	1,251	8.4
Pennsylvania	11,291	2,130	18.8	447	4.0	239	2.1	7,769	68.8	706	6.3
South Carolina	16,242	1,001	6.2	725	4.5	549	3.4	12,205	75.1	1,762	10.8
South Dakota	17,147	1,110	6.5	353	2.1	147	.9	14,724	85.8	813	4.7
Tennessee	4,186	414	9.9	162	3.9	94	2.3	3,339	79.7	177	4.2
Texas	97,540	9,488	9.7	2,929	3.0	2,645	2.7	76,923	78.9	5,555	5.7
Utah	843	38	4.5	21	2.5	16	1.8	728	86.4	41	4.8
Virginia	12,582	1,272	10.1	617	4.9	324	2.6	8,960	71.3	1,400	11.1
Washington	2,582	226	8.7	43	1.7	28	1.1	2,126	82.3	160	6.2
West Virginia	7,670	949	12.4	961	12.5	498	6.5	4,347	56.7	915	11.9
Wisconsin	5,880	446	7.6	251	4.3	193	3.3	4,732	80.5	258	4.3
Wyoming	5,261	145	2.7	42	.8	108	2.1	4,520	85.9	447	8.5

Source of Tables 284 and 285: Federal Farm Loan Board.

No. 286.—JOINT-STOCK LAND BANKS: PRINCIPAL ASSETS AND LIABILITIES AS OF DECEMBER 31

NOTE.—All figures in thousands of dollars. Banks in receiverships are not included. Banks are grouped according to the Federal land bank district in which they are located. In a number of cases, however, the charter territory of the bank includes an adjacent State lying in another district

Federal land bank district, bank, and location	Assets				Liabilities			
	Total	Mortgage loans [1]	U. S. securities	Accrued interest	Capital paid in	Surplus, reserves, etc.[2]	Farm loan bonds [3]	Accrued interest
All banks:								
1929	640,083	584,197	4,427	9,766	41,743	10,334	572,373	7,106
1930	611,560	552,617	3,010	9,233	41,743	10,415	543,991	6,766
District No. 1: New York, Rochester, N. Y	13,810	12,632	-------	80	800	252	12,281	182
District No. 2:								
Potomac, Washington, D. C	6,396	5,907	-------	103	400	196	5,678	68
Virginia-Carolina, Elizabeth City, N. C	7,097	6,350	-------	114	400	238	6,314	86
Maryland-Virginia, Baltimore, Md	2,727	2,588	-------	48	250	145	2,300	22
Pennsylvania, Philadelphia, Pa	6,767	6,245	-------	102	419	123	6,073	58
Virginia, Charleston, W. Va	14,957	13,635	-------	186	1,150	312	13,211	134
Greenbrier, Lewisburg, W. Va	2,629	2,472	-------	38	250	74	2,232	24
District No. 3:								
Atlantic, Raleigh, N. C	15,913	14,689	-------	247	908	474	14,040	204
Greensboro, Greensboro, N. C	5,208	4,642	24	81	250	200	4,662	47
North Carolina, Durham, N. C	14,951	12,871	155	238	700	454	13,436	214
First Carolinas, Columbia, S. C	11,871	9,845	-------	132	785	[4] 216	10,800	158
Atlanta, Atlanta, Ga	6,152	5,457	115	73	350	262	5,448	67
District No. 4:								
Mississippi, Memphis, Tenn	4,439	4,061	-------	68	350	140	3,807	50
Tennessee, Memphis, Tenn	3,807	3,514	16	57	250	99	3,303	53
Kentucky, Lexington, Ky	11,684	10,684	96	214	650	261	10,554	142
Louisville, Louisville, Ky	7,186	5,644	987	125	500	60	6,525	54
Union, Louisville, Ky	3,088	2,636	200	55	250	29	2,760	23
First, Fort Wayne, Ind	8,644	7,904	100	115	400	407	7,659	61
Fletcher, Indianapolis, Ind	16,811	15,601	-------	387	750	982	14,433	116
Indianapolis, Indianapolis, Ind	911	789	2	18	250	18	625	10
La Fayette, La Fayette, Ind	9,424	8,959	37	148	300	420	8,604	67
Union Trust, Indianapolis, Ind	521	492	-------	11	250	102	160	4
Ohio-Pennsylvania, Cleveland, Ohio	14,011	13,045	-------	158	770	322	12,586	150
District No. 5:								
First, Montgomery, Ala	9,239	8,516	-------	149	550	206	8,274	98
First, New Orleans, La	4,247	3,914	32	76	250	126	3,814	42
District No. 6:								
Chicago, Chicago, Ill	49,678	42,840	560	477	4,000	[4] 1,137	46,090	305
First Trust, Chicago, Ill	73,087	71,709	-------	1,055	4,600	870	66,553	879
Illinois, Monticello, Ill	7,208	6,957	31	118	450	112	6,564	50
Illinois Midwest, Edwardsville, Ill	5,906	5,491	-------	92	350	116	5,224	44
St. Louis, St. Louis, Mo	20,748	19,032	-------	286	1,430	[4] 6	18,939	282
Southwest, Little Rock, Ark	4,784	4,453	-------	92	285	97	4,294	60
District No. 7:								
Minneapolis Trust, Minneapolis, Minn	4,977	4,787	-------	73	450	316	4,161	35
Southern Minnesota, Minneapolis, Minn	24,673	15,804	-------	250	3,000	[4] 909	22,119	186
Union, Detroit, Mich	10,019	9,049	-------	175	600	238	8,715	147
District No. 8:								
Burlington, Burlington, Iowa	3,590	3,289	-------	50	250	8	3,282	42
Des Moines, Des Moines, Iowa	12,457	9,800	-------	161	1,150	[4] 745	11,404	99
Iowa, Sioux City, Iowa	7,844	7,089	-------	112	500	321	6,861	90
Fremont, Lincoln, Nebr	9,239	8,378	-------	127	850	297	7,920	79
Lincoln, Lincoln, Nebr	37,003	34,379	-------	538	2,711	927	32,690	433
District No. 9:								
Denver, Denver, Colo	14,710	13,788	-------	229	1,185	687	12,399	192
District No. 10:								
Dallas, Dallas, Tex	42,015	38,607	-------	1,113	2,571	977	37,186	599
First Texas, Houston, Tex	7,825	7,110	50	86	550	165	6,985	78
San Antonio, San Antonio, Tex	19,261	18,116	-------	552	1,227	428	17,102	254
District No. 11:								
California, San Francisco, Calif	16,152	14,059	550	123	916	725	14,246	78
Pacific Coast, San Francisco, Calif	21,921	19,076	-------	310	1,400	677	17,513	325
Pacific Coast, Salt Lake City, Utah	4,724	4,496	-------	73	300	105	4,168	84
District No. 12:								
Northwest, Portland, Oreg	100	31	-------	-------	87	17	-------	-------
Oregon-Washington, Portland, Oreg	3,308	2,948	-------	37	250	64	2,886	48
Pacific Coast, Portland, Oreg	7,837	7,340	50	79	450	286	6,925	148

[1] Figures exclude principal of delinquent installments and payments made in advance of maturity; they include mortgage loan foreclosures pending less reserve therefor.

[2] Surplus, reserves, and undivided profits. The totals for all banks represent net amounts after deducting deficits of $1,780,000 in 1929 and $3,013,000 in 1930 shown by several banks.

[3] Outstanding unmatured.

[4] Deficit.

Source: Federal Farm Loan Board.

No. 287.—FEDERAL INTERMEDIATE CREDIT BANKS: PRINCIPAL ASSETS AND LIABILITIES, DECEMBER 31

[All figures in thousands of dollars]

	Assets				Liabilities		
	Total	Loans	Discounts	Cash on hand and in banks [1]	Capital paid in [2]	Surplus and undivided profits [3]	Debentures outstanding (unmatured)
All banks:							
1923	99,288	33,627	9,105	2,789	20,000	246	30,500
1924	120,049	43,507	18,760	3,160	24,000	908	49,710
1925	126,135	53,780	26,272	3,109	24,000	1,665	58,699
1926	135,008	52,704	39,730	3,536	25,000	1,169	68,580
1927	120,209	31,991	43,924	3,743	25,000	1,310	51,150
1928	121,875	36,174	45,103	3,178	27,000	1,154	44,875
1929	115,288	26,073	50,018	2,708	30,000	1,133	49,510
1930	168,553	64,377	65,633	4,227	30,000	1,359	102,475
Springfield	17,068	10,990	1,763	298	2,000	271	11,500
Baltimore	10,934	3,904	3,380	457	2,000	204	5,400
Columbia	13,864	10,087	1,739	1,220	5,000	[4] 687	9,400
Louisville	7,660	3,607	591	430	2,000	281	2,200
New Orleans	16,627	9,298	3,894	350	2,000	152	11,150
St. Louis	11,563	4,430	3,495	233	2,000	49	6,200
St. Paul	11,867	1,339	6,718	100	2,000	220	6,250
Omaha	10,828	618	7,038	168	2,000	239	5,250
Wichita	9,835	4,188	1,947	147	2,000	245	4,150
Houston	21,557	3,904	13,966	370	2,000	225	15,600
Berkeley	21,005	8,541	11,957	334	5,000	----------	15,150
Spokane	15,744	3,473	9,146	31	2,000	161	10,225

[1] Excludes cash held as collateral.
[2] Each bank is capitalized at $5,000,000, subscribed by the Treasury of the United States, subject to call Only amounts shown have been called and paid in.
[3] Net amount after deducting deficits for Columbia as follows: 1926, 692,000; 1927, 934,000; 1928, 920,000; 1929, 839,000; 1930, 687,000.
[4] Deficit.

No. 288.—FEDERAL INTERMEDIATE CREDIT BANKS: LOANS, BY COMMODITIES, AND DISCOUNTS, BY TYPE OF INSTITUTION AND BY PURPOSE

[All figures in thousands of dollars]

	Original loans and discounts during— [1]				Amounts outstanding Dec. 31—					
	1927	1928	1929	1930	1925	1926	1927	1928	1929	1930
Loans, total	34,141	34,807	32,515	93,144	53,780	52,704	31,991	36,174	26,073	64,377
Cotton	18,408	24,301	18,337	53,128	23,439	25,676	14,944	23,099	12,031	39,173
Tobacco	1,800	----------	----------	----------	20,632	13,747	4,299	1,505	----------	----------
Wheat and other grains	2,566	2,580	4,617	15,131	3,128	3,501	2,537	2,483	4,412	3,436
Canned fruit and vegetables	1,638	3,082	2,097	3,977	1,078	1,464	1,142	2,118	1,326	2,771
Raisins and other dried fruits	5,145	2,015	756	3,386	3,600	4,757	6,395	4,679	3,182	5,510
Beans	310	173	554	1,519	----------	50	310	124	489	1,365
Wool and mohair	1,729	1,157	4,271	12,412	1,028	977	411	564	2,935	9,088
Rice	2,353	1,193	1,332	2,553	495	2,413	1,815	1,360	1,479	2,109
All other	192	302	352	1,039	381	120	138	182	219	924
Discounts, total	59,182	54,410	59,243	69,789	26,272	39,730	43,924	45,103	50,018	65,633
For—										
Agricultural credit corporations	35,571	28,083	32,736	41,060	15,371	23,736	22,528	20,991	21,009	30,108
Livestock loan companies	22,979	25,567	24,030	25,936	10,390	15,598	21,214	23,784	26,917	32,848
Banks and trust companies	632	759	2,477	2,794	511	345	183	328	2,092	2,377
Purpose—										
Cattle production	-------	24,520	23,199	27,798	8,204	14,347	17,932	20,541	24,109	30,909
Other livestock production	-------	8,375	8,942	11,230	6,561	10,185	15,574	15,663	11,203	15,349
Crop production	-------	21,514	19,674	25,723	11,507	15,199	10,418	8,898	4,133	9,193
General agriculture	-------		7,428	5,038					10,573	10,182

[1] Total renewals granted during 1927 to 1930 were as follows: Loans, 1927, $16,647,000; 1928, $18,764,000; 1929, $11,103,000; 1930, 16,783,000. Discounts, 1927, $28,107,000; 1928, $29,159,000; 1929, $35,424,000; 1930, 39,258,000.

Source of Tables 287 and 288: Federal Farm Loan Board.

No. 289.—CLEARING HOUSE EXCHANGES: SUMMARY FOR UNITED STATES

NOTE.—Prior to 1920 data are for all cities reporting to the New York Clearing House Association; commencing 1920 they are for 176 identical cities. 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 291 and 292) are a more significant measure of volume of payment. For States included in each division see Table 290

[All figures in millions of dollars]

Year ended Sept. 30—	United States	Outside New York City	New York City	Year ended Sept. 30—	United States	Outside New York City	New York City
1882	61,054	14,501	46,553	1891	57,181	23,127	34,054
1883	53,536	13,243	40,293	1892	60,884	24,604	36,280
1884	47,387	13,295	34,092	1893	58,881	24,460	34,421
1885	37,770	12,519	25,251	1894	45,028	20,798	24,230
1886	48,212	14,537	33,375	1895	50,975	22,711	28,264
1887	52,127	17,254	34,873	1896	51,936	22,585	29,351
1888	48,751	17,887	30,864	1897	54,180	22,842	31,338
1889	53,501	18,705	34,796	1898	65,925	26,072	39,853
1890	59,882	22,221	37,661	1899	88,320	31,461	57,368

Year ended Sept. 30—	United States		New England division	Eastern division		Southern division	Middle Western division	Western division	Pacific division
	Total	Outside New York City		Total	New York City				
1900	84,582	32,618	7,120	59,705	51,965	2,328	13,184	651	1,594
1901	114,820	37,799	8,036	80,396	77,021	2,650	15,193	736	1,809
1902	115,892	41,139	7,861	84,892	74,753	2,899	17,262	793	2,185
1903	113,963	43,130	7,796	81,533	70,834	3,266	17,979	838	2,551
1904	102,356	42,684	7,331	69,507	59,673	3,695	18,376	830	2,618
1905	140,502	48,623	8,467	103,765	91,879	4,016	20,097	964	3,194
1906	157,681	53,927	9,245	117,034	103,754	4,606	21,877	1,110	3,810
1907	154,477	59,161	9,712	108,662	95,315	5,113	24,746	1,384	4,860
1908	126,239	52,608	8,115	85,343	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	159,540	67,119	9,616	106,742	92,420	6,528	29,062	1,938	5,654
1912	168,686	72,014	10,278	111,672	96,672	7,446	30,910	2,043	6,338
1913	173,193	75,071	9,807	114,430	98,122	6,750	33,338	2,221	6,647
1914	163,850	74,089	9,400	105,474	89,760	6,774	33,567	2,278	6,357
1915	163,189	72,347	9,022	105,793	90,843	6,411	33,442	2,419	6,112
1916	242,236	95,055	12,211	167,897	147,181	8,830	42,671	3,248	7,379
1917	305,062	123,528	14,433	208,061	181,534	11,771	56,149	4,485	10,163
1918	320,989	146,464	16,975	205,810	174,524	15,577	63,621	6,599	12,406
1919	387,854	173,151	19,237	252,255	214,703	20,707	72,366	7,695	15,594
1920 [1]	456,504	204,166	22,378	297,275	252,338	26,100	85,080	9,282	[2] 16,478
1921 [1]	369,884	165,802	17,340	243,087	204,082	18,528	69,570	7,604	[2] 13,757
1922 [1]	374,209	160,883	18,039	251,262	213,327	18,004	66,039	7,008	[2] 13,857
1923 [1]	401,582	180,961	21,801	259,423	214,621	21,362	75,636	7,407	[2] 15,953
1924 [1]	427,030	191,531	23,357	280,971	235,499	22,904	75,873	6,957	[2] 16,879
1925 [1]	487,868	210,994	25,050	327,767	276,874	25,824	83,604	7,584	[2] 18,040
1926 [1]	516,030	222,587	27,881	347,045	293,443	27,154	86,286	7,811	[2] 19,854
1927 [1]	526,148	218,089	29,319	358,909	307,159	24,908	86,021	7,751	[2] 19,239
1928 [1]	593,956	225,038	29,868	420,641	368,918	24,542	89,407	8,259	[2] 21,238
1929 [1,3]	691,010	234,072	29,846	512,491	456,938	25,317	93,366	8,683	[2] 21,307
1930 [3]	610,738	211,266	29,025	451,291	399,472	22,535	80,637	7,895	[2] 19,355

[1] Revised to exclude Los Angeles, Calif., and Lawrence, Kans., which did not report clearings in 1930. Exclusion of the former, whose clearings are large, greatly affects the comparability of the figures for the Pacific division with those for earlier years and also, slightly, total clearings for "outside New York" and for United States. For clearings for Los Angeles, see note 2.

[2] Excluding Los Angeles which is included in figures for earlier years. Clearings of this city for 1920 to 1929 are as follows: 1920, $3,640,000,000; 1921, $4,152,000,000; 1922, $4,850,000,000; 1923, $6,555,000,000; 1924, $7,295,000,000; 1925, $7,645,000,000; 1926, $8,757,000,000; 1927, $9,255,000,000; 1928, $10,300,000,000; 1929, $11,275,000,000. Report of clearings discontinued in 1930.

[3] Total clearings of 253 cities was $704,394,000,000 in 1929 and $623,403,000,000 in 1930.

Source: Comptroller of the Currency, Treasury Department.

No. 290.—CLEARING HOUSE EXCHANGES: AMOUNT OF CLEARINGS IN EACH CITY, YEARS ENDED SEPTEMBER 30

NOTE.—Totals are for all cities reporting. A number of smaller cities and cities not reporting in 1930 are not shown separately. For totals since 1919 for 176 identical cities, see Table 289

[All figures in millions and tenths of millions of dollars]

Division and city	1915	1925	1930
All cities	**163,189.2**	**506,225.1**	**623,508.9**
New England	**9,021.5**	**25,098.7**	**29,071.5**
Maine:			
Bangor	21.7	37.8	[1] 35.8
Portland	101.0	170.8	207.5
New Hampshire:			
Manchester		39.9	[1] 30.7
Massachusetts:			
Boston	7,481.3	21,974.0	25,790.3
Fall River	60.2	116.9	61.7
Holyoke	37.5	49.1	31.3
Lowell	40.7	59.9	47.5
New Bedford	55.6	79.4	60.4
Springfield	142.1	300.2	255.7
Worcester	131.7	190.1	171.7
Rhode Island:			
Providence	393.3	691.2	753.6
Connecticut:			
Hartford	310.1	713.8	836.6
New Haven	186.1	363.4	423.8
Stamford		177.8	218.9
Waterbury	60.2	125.8	121.6
Eastern	**105,793.2**	**331,918.7**	**457,223.6**
New York:			
Albany	290.0	325.8	341.8
Binghamton	34.6	57.9	73.7
Buffalo	576.2	2,645.6	2,821.8
Elmira		47.6	49.4
Jamestown		73.8	65.6
New York	90,842.7	276,873.9	399,471.6
Niagara Falls		52.0	[1] 60.8
Rochester	238.8	651.1	664.1
Syracuse	153.8	289.4	310.7
New Jersey:			
Camden		685.3	122.5
Montclair	21.7	32.3	42.7
Newark		1,066.1	1,870.8
Northern New Jersey [2]		1,713.2	2,543.9
Orange	41.7	66.5	92.1
Passaic		90.7	121.6
Trenton	95.1	309.7	235.3
Pennsylvania:			
Altoona	27.6	75.8	71.6
Bethlehem		208.1	238.5
Chester	35.2	75.5	[1] 55.2
Erie	50.9	401.9	484.5
Franklin	12.3	15.7	9.4
Greensburg	27.0	89.4	75.4
Harrisburg	84.1	253.7	231.9
Lancaster	82.3	148.8	104.4
Lebanon		32.2	35.8
Beaver County, Pa	27.8	38.3	24.9
Norristown	24.4	54.3	41.3
Oil City		172.5	210.4
Philadelphia	7,968.0	28,285.8	29,283.0
Pittsburgh	2,527.7	8,628.0	9,478.1
Reading	95.8	190.9	193.4
Scranton	166.9	323.2	271.5
Wilkes-Barre	85.9	208.5	184.7
York	46.7	100.7	104.7
Delaware: Wilmington	95.7	143.5	259.6
Maryland:			
Baltimore	1,727.8	5,573.8	4,971.4
Frederick	17.6	24.0	25.0
Hagerstown		39.8	34.2
District of Columbia: Washington	394.9	1,304.3	1,354.2
Southern	**6,411.0**	**29,819.0**	**24,326.4**
Virginia:			
Norfolk	199.8	425.4	224.5
Richmond	466.8	2,834.6	2,371.3
Roanoke		320.2	383.7
West Virginia:			
Charleston		189.9	181.1
Huntington		85.7	59.1
Wheeling	98.7	222.8	209.0
North Carolina:			
Greensboro		274.9	275.1
Raleigh		139.6	116.8
South Carolina:			
Charleston	93.9	137.2	112.0
Columbia	43.9	101.1	109.3
Georgia:			
Atlanta	659.3	3,339.5	2,474.2
Augusta	82.0	108.7	103.2
Columbus	20.4	53.8	[1] 53.8
Macon	149.0	88.9	80.9
Florida:			
Jacksonville	138.0	1,180.0	[1] 711.6
Miami		816.8	134.1
Tampa	49.9	360.7	92.6
Alabama:			
Birmingham	127.8	1,375.6	1,135.4
Mobile	54.5	103.2	103.5
Montgomery	47.4	92.8	66.5
Mississippi:			
Hattiesburg		84.4	75.4
Jackson	20.0	73.6	[1] 106.2
Meridian	1.2	44.5	37.8
Vicksburg	13.4	23.9	11.2
Louisiana:			
New Orleans	898.8	3,111.5	[1] 2,491.6
Shreveport	52.0	268.9	260.4
Texas:			
Austin	135.1	104.5	82.5
Beaumont	35.9	71.8	101.9
Dallas		2,486.1	2,401.3
El Paso	104.8	243.4	316.1
Fort Worth	420.4	646.0	502.7
Galveston	222.2	540.3	217.5
Houston	302.8	1,774.9	1,800.1
Port Arthur		26.2	[1] 38.9
San Antonio		466.8	828.0
Waco		146.3	68.1
Wichita Falls		125.7	111.0
Arkansas:			
Little Rock	103.8	722.4	708.1
Kentucky:			
Lexington	37.9	98.3	86.8
Louisville	671.0	1,731.2	1,941.7
Owensboro	18.0	22.0	21.9
Paducah	39.0	110.5	112.3
Tennessee:			
Knoxville	87.7	101.5	149.2
Memphis	324.8	1,223.3	1,119.2
Nashville	305.3	1,105.8	1,137.7
Middle Western	**33,441.5**	**85,486.2**	**84,208.8**
Ohio:			
Akron	96.0	347.6	256.0
Canton	89.4	238.4	226.7
Cincinnati	1,274.1	3,616.7	3,400.3
Cleveland	1,369.4	5,859.7	7,098.6
Columbus	328.4	779.4	836.4
Dayton	107.0	337.2	359.4
Hamilton		45.1	57.9
Lima	24.7		162.6
Lorain	6.3	29.7	20.5

[1] From Commercial and Financial Chronicle.
[2] Composed of banks in Northern New Jersey, Jersey City, Hoboken, Bayonne, and Union.

No. 290.—Clearing House Exchanges: Amount of Clearings in Each City, Years Ended September 30—Continued

[All figures in millions and tenths of millions of dollars]

Division and city	1915	1925	1930
Ohio—Continued.			
Mansfield	28.5	100.9	99.7
Springfield	40.3	232.1	282.8
Youngstown	73.8	300.8	274.5
Indiana:			
Evansville	64.2	277.1	265.2
Fort Wayne	65.5	143.8	182.2
Gary	14.8	270.7	[1] 273.1
Hammond		219.7	206.3
Indianapolis	411.7	888.9	1,156.0
New Albany	7.2	8.7	9.7
South Bend	35.9	144.1	142.9
Terre Haute		289.7	268.3
Illinois:			
Aurora		73.5	57.4
Bloomington	37.1	85.1	96.6
Champaign		37.7	109.1
Chicago	15,404.2	34,728.0	31,807.3
Danville	25.6	40.1	50.8
Decatur	22.3	78.3	64.6
Jacksonville	14.2	21.0	13.4
Peoria	155.1	258.7	259.3
Quincy	40.5	82.2	69.0
Rockford	47.4	140.9	189.4
Springfield	59.1	140.8	136.2
Michigan:			
Adrian	2.8	12.9	11.8
Ann Arbor	12.2	49.6	48.8
Battle Creek		108.2	100.3
Detroit	1,358.1	8,015.3	9,374.1
Flint	28.6	123.6	165.4
Grand Rapids	108.1	383.2	301.9
Jackson	32.2	88.0	72.0
Kalamazoo	28.7		322.7
Lansing	29.4	145.3	[1] 152.4
Muskegon		40.1	57.3
Wisconsin:			
Green Bay		74.9	62.1
La Crosse		41.4	149.6
Madison		160.1	141.8
Milwaukee	820.4	2,033.3	1,607.4
Oshkosh	17.2	42.8	42.6
Minnesota:			
Duluth	244.3	557.7	296.6
Minneapolis	1,327.1	4,601.4	4,301.7
Rochester		22.1	[1] 31.1
St. Paul	619.0	1,628.4	1,254.9
South St. Paul		85.2	68.4
Iowa:			
Cedar Rapids	87.0	135.0	161.6
Charles City		12.0	7.3
Davenport	73.0	604.9	671.4
Des Moines	269.4	572.2	[1] 485.5
Iowa City	13.3	22.8	[1] 24.4
Sioux City	163.4	366.6	318.8
Waterloo	80.2	72.8	75.8
Missouri:			
Carthage		15.0	10.9
Joplin	40.7	89.6	54.3
Kansas City	3,615.5	6,057.5	6,709.4
St. Joseph	374.5	391.0	308.3
St. Louis	3,883.3	7,503.5	6,559.6
Springfield		100.0	85.2
Western	2,410.0	7,775.9	8,441.3
North Dakota:			
Fargo	70.6	96.7	107.4
Grand Forks	19.8	76.0	88.1
Minot		9.4	[1] 22.2
South Dakota:			
Aberdeen	32.0	77.6	57.1
Sioux Falls	51.9	58.9	101.8
Watertown		16.5	13.0
Nebraska:			
Fremont	20.7	22.6	17.2
Hastings	11.5	32.0	[1] 27.0
Lincoln	115.9	248.1	181.5
Omaha	934.6	2,152.0	2,266.9
Kansas:			
Atchison		19.9	19.6
Kansas City		214.4	114.3
Manhattan		15.7	17.5
Parsons		11.5	8.3
Pittsburg	12.0	71.8	66.5
Topeka	78.8	176.4	174.6
Wichita	186.9	403.2	385.3
Montana:			
Billings	26.0	31.9	[1] 35.4
Great Falls		39.6	61.6
Helena	58.9	154.8	169.0
Lewistown		4.8	6.0
Wyoming:			
Cheyenne		31.7	32.9
Colorado:			
Colorado Springs	34.4	62.1	64.7
Denver	478.8	1,706.2	1,820.7
Pueblo	28.1	57.4	83.6
Oklahoma:			
Oklahoma City	128.5	1,420.2	1,450.3
Tulsa	69.7	409.5	532.7
Pacific	6,112.0	26,148.6	20,242.1
Washington:			
Bellingham		43.7	52.3
Seattle	602.7	2,126.0	2,109.2
Spokane	186.9	583.3	607.9
Yakima	20.0	78.6	70.4
Oregon:			
Eugene	7.0	26.1	22.9
Portland	545.3	1,961.9	1,885.8
California:			
Bakersfield	20.6	56.2	92.2
Berkeley		213.6	244.0
Fresno	51.8	190.7	181.3
Huntington Park		10.3	61.0
Long Beach	26.3	346.5	387.9
Modesto		42.9	55.3
Oakland	175.8	1,000.2	850.3
Pasadena	41.8	305.2	308.9
Riverside		39.5	52.2
Sacramento	97.0	439.4	[1] 369.7
San Diego	95.1	253.6	301.1
San Francisco	2,583.3	9,023.9	10,297.5
San Jose	34.5	139.4	173.7
Santa Barbara		66.5	107.3
Santa Monica	9.0	103.3	104.9
Santa Rosa	12.0	26.2	25.4
Stockton	48.2	143.7	117.2
Idaho: Boise	40.2	55.2	75.0
Utah:			
Ogden	47.0	76.7	91.4
Salt Lake City	326.3	888.8	971.0
Arizona: Phoenix		118.7	470.4

[1] From Commercial and Financial Chronicle.

Source: Comptroller of the Currency, Treasury Department.

No. 291.—DEBITS TO INDIVIDUAL ACCOUNTS: VOLUME REPORTED BY BANKS IN 141 PRINCIPAL CITIES, BY DISTRICTS AND BY MONTHS

[All figures in millions of dollars]

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			
1919	455,204	211,175	244,119	25,808	250,880	6,761	19,496	23,559	8,611
1920	483,026	241,596	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	6,816	18,690	21,105	8,235
1922	439,364	199,509	239,855	22,392	247,067	7,212	19,985	22,290	7,716
1923	463,726	225,330	238,396	24,851	246,493	8,097	22,301	26,140	8,601
1924	491,691	228,161	263,530	25,675	271,861	8,331	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	26,248	30,022	9,336
1927	673,861	282,303	391,558	33,566	401,819	11,260	27,291	32,180	9,231
1928	806,406	306,195	500,211	34,228	511,584	11,374	30,463	33,917	9,085
1929	[1]935,027	[1]331,938	603,089	37,472	616,060	12,972	33,440	36,025	9,379
1930	661,963	277,323	384,639	30,221	395,354	10,714	26,690	31,256	8,895

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	50,669	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	6,971	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	55,995	35,723	20,272	12,812	8,240	12,778	6,227	29,535
1925	13,914	63,576	40,470	23,105	14,386	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	35,663
1927	13,790	70,195	45,970	24,225	14,750	8,699	15,088	7,782	39,479
1928	13,707	79,062	51,162	27,900	15,495	9,207	16,083	8,415	45,679
1929	14,267	88,910	58,739	30,171	15,651	10,139	17,818	9,196	48,673
1930	11,929	72,434	47,094	25,340	13,031	8,662	15,770	7,796	39,924

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
All districts:												
1921	38,029	29,728	33,903	32,235	32,512	33,606	31,515	30,097	31,625	34,323	33,441	38,020
1922	34,944	30,585	36,932	36,388	37,976	39,236	36,056	34,136	35,768	40,745	36,160	40,437
1923	41,753	35,925	42,185	39,204	40,072	40,574	36,504	33,496	34,060	38,911	38,504	42,448
1924	41,498	37,308	40,739	39,510	40,044	40,230	40,131	38,602	38,972	43,418	41,893	49,157
1925	49,982	41,517	47,623	44,558	46,596	48,631	47,037	43,134	45,264	52,955	48,367	54,399
1926	54,145	44,915	56,464	51,837	48,020	50,662	50,959	47,011	46,954	52,535	47,384	57,070
1927	54,715	48,220	58,518	55,583	54,143	56,820	53,682	53,702	50,750	59,201	57,085	65,441
1928	62,885	54,494	70,634	67,003	71,616	72,485	58,981	58,504	63,176	72,894	71,349	82,386
1929	82,814	70,777	83,524	74,750	76,535	69,666	77,631	77,344	77,617	95,527	82,090	66,752
1930	60,423	52,625	65,723	62,946	61,811	62,312	52,744	45,993	48,636	54,466	42,176	52,107
All districts, excl. New York City:												
1921	17,996	14,599	16,550	15,886	15,342	15,852	15,175	14,911	15,523	16,713	15,949	17,446
1922	15,879	14,042	16,535	15,671	16,322	17,173	16,343	15,849	16,553	18,423	17,133	19,686
1923	19,066	16,906	19,644	18,816	19,368	19,532	18,184	17,307	17,261	19,759	18,521	20,367
1924	19,384	17,512	19,193	18,865	18,639	18,304	18,602	17,776	18,238	20,912	18,846	21,830
1925	22,300	18,593	21,241	20,613	20,417	21,701	21,579	19,869	20,895	24,039	21,358	24,086
1926	23,607	20,102	23,459	22,537	21,449	22,466	23,300	20,778	21,336	23,780	21,594	24,493
1927	23,457	20,781	24,026	23,576	22,873	23,812	22,932	22,048	23,381	25,111	23,803	26,503
1928	25,001	21,755	25,847	25,225	26,346	27,029	23,897	23,401	24,450	27,705	25,880	29,650
1929	28,095	24,489	28,099	26,770	26,492	26,404	28,416	28,310	27,274	32,202	28,486	26,902
1930	25,691	21,508	24,983	24,315	24,388	24,621	23,145	20,941	21,253	23,685	19,686	23,107
New York City:												
1921	20,033	15,130	17,353	16,349	17,171	17,755	16,340	15,186	16,103	17,610	17,492	20,575
1922	19,065	16,543	20,397	20,717	21,654	22,063	19,713	18,287	19,215	22,322	19,027	20,851
1923	22,687	19,019	22,541	20,479	20,704	21,041	18,321	16,189	16,799	19,152	19,983	22,081
1924	22,114	19,886	21,546	20,654	21,406	21,469	20,916	20,734	22,506	23,047	23,047	27,327
1926	27,682	22,924	26,382	23,945	26,179	26,930	25,458	23,265	24,369	28,016	27,090	30,313
1926	30,538	24,813	33,005	29,300	26,571	28,196	27,659	26,233	25,618	28,755	25,790	32,577
1927	31,258	27,439	34,192	32,007	31,270	33,008	30,750	31,653	33,369	34,091	33,282	38,938
1928	37,884	32,740	44,786	41,778	45,270	45,455	35,085	35,102	38,725	45,189	45,469	52,737
1929	54,719	46,289	55,425	47,979	50,043	43,263	49,215	49,034	50,342	63,325	53,604	39,850
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

[1] Revised.

Source: Federal Reserve Board.

No. 292.—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 291

District and city	1922	1923	1924	1925	1926	1927	1928	1929	1930
Boston district:									
Bangor, Me	168	180	169	167	181	185	188	199	190
Boston, Mass	16,331	17,948	18,769	21,500	23,450	25,240	25,268	27,540	22,074
Fall River, Mass	363	413	359	401	355	376	371	354	277
Hartford, Conn	1,144	1,314	1,449	1,565	1,682	2,236	2,563	3,084	2,469
Holyoke, Mass	171	211	182	199	196	243	217	190	170
Lowell, Mass	244	272	231	249	247	243	239	254	223
New Bedford, Mass	340	383	356	404	360	364	322	378	297
New Haven, Conn	901	1,050	1,087	1,164	1,206	1,289	1,403	1,503	1,355
Providence, R. I	1,639	1,826	1,804	1,984	1,958	1,958	2,176	2,374	1,882
Waterbury, Conn	340	395	403	455	469	489	549	600	439
Worcester, Mass	751	859	857	926	929	943	928	995	845
New York district:									
Albany, N. Y	1,251	1,289	1,410	1,544	1,608	1,758	1,853	2,172	2,213
Binghamton, N. Y	213	242	235	263	270	279	299	330	285
Buffalo, N. Y	3,145	3,625	3,630	4,208	4,322	4,437	5,226	6,283	4,736
New York, N. Y	239,855	238,390	263,531	313,373	339,055	391,558	500,211	603,089	384,630
Passaic, N. J	301	387	397	491	510	547	579	562	493
Rochester, N. Y	1,587	1,790	1,856	2,076	2,106	2,194	2,273	2,370	1,907
Syracuse, N. Y	714	814	802	888	961	1,046	1,144	1,255	1,081
Philadelphia district:									
Altoona, Pa	162	200	180	189	197	207	207	211	192
Chester, Pa	231	287	278	304	322	275	316	325	294
Lancaster, Pa	270	318	335	366	351	351	396	433	397
Philadelphia, Pa	16,767	18,443	18,841	21,109	21,938	22,840	25,678	28,253	22,254
Scranton, Pa	700	893	906	882	915	923	931	922	790
Trenton, N. J	615	712	755	820	871	905	908	1,038	908
Wilkes-Barre, Pa	420	524	586	580	565	587	611	570	468
Williamsport, Pa	216	217	200	215	230	249	253	272	211
Wilmington, Del	391	463	440	504	581	670	807	1,099	885
York, Pa	212	238	252	274	279	283	298	317	290
Cleveland district:									
Akron, Ohio	683	868	878	1,081	1,130	1,218	1,343	1,442	1,170
Cleveland, Ohio	6,588	7,774	7,688	8,359	9,088	9,793	10,188	11,439	9,882
Columbus, Ohio	1,504	1,803	1,614	1,766	1,926	2,017	2,063	2,319	2,205
Dayton, Ohio	676	834	816	936	1,058	1,132	1,100	1,299	1,066
Erie, Pa	315	386	378	412	434	435	454	497	467
Greensburg, Pa	226	257	266	250	249	270	250	255	236
Lexington, Ky	261	289	262	277	281	299	297	340	298
Oil City, Pa	153	158	158	179	172	186	212	235	196
Pittsburgh, Pa	8 703	10,097	10,140	11,316	11,342	12,273	12,190	13,515	11,937
Springfield, Ohio	222	250	234	265	289	287	281	299	271
Toledo, Ohio	1,842	2,132	2,168	2,494	2,637	2,857	3,354	2,769	2,190
Wheeling, W. Va	454	553	543	550	568	560	626	627	528
Youngstown, Ohio	603	740	730	842	848	854	893	988	812
Richmond district:									
Baltimore, Md	4,318	4,524	4,527	5,072	5,205	5,052	4,942	5,217	5,166
Charleston, S. C	297	354	310	314	336	333	1 285	272	219
Charlotte, N. C	378	495	527	590	612	659	690	713	582
Columbia, S. C	262	296	252	237	229	281	292	299	303
Norfolk, Va	794	801	828	865	951	808	859	804	682
Raleigh, N. C	259	364	337	406	313	297	297	300	288
Richmond, Va	1,408	1,577	1,518	1,709	1,690	1,711	1,720	1,773	1,656
Atlanta district:									
Atlanta, Ga	1,331	1,603	1,669	1,905	1,961	1,886	2,026	2,553	1,917
Augusta, Ga	312	370	330	348	320	331	331	329	258
Birmingham, Ala	943	1,290	1,410	1,504	1,720	1,794	1,806	1,785	1,475
Chattanooga, Tenn	377	449	450	515	582	587	594	632	571
Jacksonville, Fla	563	652	730	1,188	1,341	1,047	903	903	834
Knoxville, Tenn	318	377	378	383	413	423	441	435	372
Macon, Ga	215	254	257	291	287	270	272	245	208
Mobile, Ala	313	355	342	423	470	483	482	496	443
Montgomery, Ala	204	260	262	292	288	314	333	344	286
Nashville, Tenn	795	876	886	978	1,003	1,090	1,220	1,326	1,087
New Orleans, La	3,262	3,552	3,882	4,314	4,146	4,189	4,109	4,095	3,531
Pensacola, Fla	75	86	80	107	107	96	92	90	80
Savannah, Ga	490	540	499	560	603	610	534	522	448
Tampa, Fla	300	377	440	904	921	579	468	416	354
Vicksburg, Miss	82	93	100	102	96	92	95	91	70
Chicago district:									
Bay City, Mich	121	128	136	158	162	157	153	166	139
Bloomington, Ill	121	137	136	155	156	157	172	192	173
Cedar Rapids, Iowa	303	333	410	500	486	499	546	573	549
Chicago, Ill	32,331	35,279	35,723	40,470	42,339	45,970	51,162	58,739	47,094
Davenport, Iowa	406	406	354	382	410	432	510	564	566
Decatur, Ill	165	182	191	232	240	248	250	258	234
Des Moines, Iowa	826	976	1,025	894	975	986	997	1,022	980
Detroit, Mich	6,385	7,918	8,226	9,971	10,482	10,225	13,427	14,759	11,693
Dubuque, Iowa	153	174	174	183	185	195	202	190	179
Flint, Mich	301	387	367	380	439	524	605	632	446

For footnote see p. 292.

No. 292.—Debits to Individual Accounts: Volume Reported by Banks in 141 Principal Cities—Continued

District and city	1922	1923	1924	1925	1926	1927	1928	1929	1930
Chicago district—Continued.									
Fort Wayne, Ind.	368	472	485	522	510	516	560	637	554
Grand Rapids, Mich.	730	801	803	1,026	1,040	995	1,052	1,107	881
Indianapolis, Ind.	1,706	1,880	1,811	1,884	2,207	2,223	2,279	2,503	2,105
Kalamazoo, Mich.	218	249	245	273	292	307	344	358	304
Lansing, Mich.	296	416	352	403	402	385	420	512	362
Milwaukee, Wis.	2,886	3,283	3,142	3,398	3,620	3,700	3,740	3,796	3,532
Peoria, Ill.	420	474	487	554	571	578	644	739	664
Rockford, Ill.	239	288	293	339	381	398	432	470	378
Sioux City, Iowa	771	898	934	1,033	976	867	999	753	678
South Bend, Ind.	370	471	487	594	603	588	596	651	617
Waterloo, Ind.	177	217	211	221	236	244	273	290	246
St. Louis district:									
Evansville, Ind.	341	387	354	472	492	581	582	462	324
Little Rock, Ark.	555	732	805	884	979	954	995	[2] 628	494
Louisville, Ky.	1,645	1,906	1,998	2,262	2,358	2,312	2,458	2,524	2,184
Memphis, Tenn.	1,422	1,736	1,650	1,823	1,821	1,952	1,912	2,106	1,681
St. Louis, Mo.	6,975	8,033	8,006	8,944	9,090	8,951	9,548	9,841	8,348
Minneapolis district:									
Aberdeen, S. Dak.	66	67	73	84	81	81	90	86	74
Billings, Mont.	89	97	86	91	95	100	117	120	98
Duluth, Minn.	885	921	1,270	1,277	954	1,112	1,094	1,094	884
Fargo, N. Dak.	135	148	139	173	186	188	229	242	207
Grand Forks, N. Dak.	81	95	84	101	108	99	103	98	84
Helena, Mont.	118	113	114	114	108	109	116	124	105
Minneapolis, Minn.	3,609	3,885	4,408	5,069	4,684	4,838	5,295	6,010	5,081
St. Paul, Minn.	[3] 1,901	2,072	1,974	2,037	1,987	2,074	2,148	2,261	2,038
Superior, Wis.	87	97	92	93	98	99	104	105	92
Kansas City district:									
Albuquerque, N. Mex.	105	114	118	121	132	144	155	162	151
Bartlesville, Okla.	122	138	151	193	251	286	213	279	314
Colorado Springs, Colo.	139	150	155	185	181	181	202	208	202
Denver, Colo.	1,798	1,951	1,977	2,130	2,159	2,119	2,196	2,434	2,058
Joplin, Mo.	131	168	173	210	222	187	172	185	130
Kansas City, Kans.	190	239	234	237	245	246	247	245	240
Kansas City, Mo.	3,679	4,176	4,036	4,405	4,633	4,656	5,077	5,690	4,986
Muskogee, Okla.[3]	310	298	151	154	145	145	146	153	126
Oklahoma City, Okla.	973	939	913	1,036	1,134	1,262	1,364	1,569	1,473
Omaha, Nebr.	2,312	2,456	2,207	2,437	2,387	2,408	2,601	2,767	2,507
Pueblo, Colo.	196	210	232	246	247	268	262	285	252
St. Joseph, Mo.	707	739	730	742	748	682	714	704	563
Topeka, Kans.	171	189	185	211	212	230	248	249	245
Tulsa, Okla.	1,186	1,182	1,099	1,269	1,532	1,577	1,658	1,995	1,780
Wichita, Kans.	532	544	508	557	596	[4] 698	829	882	743
Dallas district:									
Austin, Tex.	172	204	218	249	238	238	238	271	243
Beaumont, Tex.	174	195	199	214	259	288	301	344	302
Dallas, Tex.	1,867	2,076	2,179	2,527	2,542	2,620	2,868	3,134	2,641
El Paso, Tex.	373	366	399	397	381	385	426	401	433
Fort Worth, Tex.	1,323	1,033	862	909	1,018	1,139	1,277	1,377	1,084
Houston, Tex.	1,344	1,480	1,509	[5] 1,984	[5] 2,116	2,186	2,319	2,536	2,222
Shreveport, La.	385	423	428	474	484	468	506	539	451
Texarkana, Tex.	86	114	103	113	126	126	128	128	97
Tucson, Ariz.	87	92	102	109	109	111	128	142	131
Waco, Tex.	200	234	228	221	201	221	224	233	192
San Francisco district:									
Boise, Idaho	147	150	140	151	163	169	187	191	175
Fresno, Calif.	608	613	400	468	485	495	436	424	395
Long Beach, Calif.	423	710	607	572	591	580	674	752	580
Los Angeles, Calif.	6,212	8,419	8,921	9,458	10,475	11,199	12,912	14,622	11,999
Oakland, Calif.	1,088	1,451	1,481	1,720	2,065	2,697	3,017	2,846	2,317
Ogden, Utah	260	340	286	320	249	226	234	245	224
Pasadena, Calif.	305	379	387	417	445	481	487	490	406
Portland, Oreg.	1,052	1,867	1,942	1,999	2,195	2,046	2,202	2,371	2,100
Reno, Nev.	125	125	96	104	111	114	123	156	133
Sacramento, Calif.	756	538	520	438	394	480	605	625	581
Salt Lake City, Utah	702	766	780	865	865	862	927	1,012	885
San Diego, Calif.	499	553	580	669	771	743	753	776	657
San Francisco, Calif.	8,638	9,482	9,768	11,496	12,598	15,052	18,384	16,987	15,055
Seattle, Wash.	1,807	2,051	2,107	2,425	2,551	2,616	2,958	3,297	2,814
Spokane, Wash.	532	598	567	627	670	668	686	737	612
Stockton, Calif.	265	299	286	317	325	343	352	345	285
Tacoma, Wash.	446	465	480	524	548	539	559	608	526
Yakima, Wash.	127	124	127	160	162	160	173	187	178

[1] Includes figures for Charleston, S. C., for the first 4 months and figures for Greenville, S. C., for the last 8 months of the year. Greenville substituted for Charleston, in national summaries beginning May, 1928.
[2] Revised figure.
[3] Figures for Muskogee prior to December, 1923, include debits to accounts of banks.
[4] Includes debits of $64,250,000 for June–December, 1927, of 10 banks not reporting until June, 1927.
[5] Revised to include 8 banks, figures for which did not become available until 1927.

Source: Federal Reserve Board.

No. 293.—BANKS SUSPENDED AND REOPENED, 1921 TO 1930

NOTE.—Banks closed on account of financial difficulties by order of supervisory authorities or by the directors of the bank. Figures of suspensions include banks subsequently reopened. For bank failures, 1912 to 1930, as compiled by Dun's Review, see Table 335, p. 332

[Capital and deposits in thousands of dollars]

Year	Banks suspended			Banks reopened			Banks suspended			Banks reopened		
	Number	Capital	Deposits	Number	Capital	Deposits	Number	Capital	Deposits	Number	Capital	Deposits
	All banks						National-bank members					
1921	501	22,802	196,460	60	1,918	17,493	51	3,060	21,285	8	325	2,499
1922	354	13,743	110,721	65	4,003	35,565	45	3,335	19,092	22	1,330	8,076
1923	648	21,943	188,701	37	1,516	11,674	90	4,610	32,904	11	570	3,973
1924	776	28,358	213,338	94	2,815	22,462	122	7,660	60,889	18	785	6,895
1925	612	24,441	172,000	62	1,994	16,618	118	7,970	58,537	11	700	6,300
1926	956	32,804	272,488	149	5,134	60,610	125	6,020	47,866	10	490	4,665
1927	662	24,763	193,891	95	3,906	35,729	91	5,415	40,581	8	485	5,073
1928	491	19,715	138,642	39	1,540	15,727	57	4,200	31,619	2	75	417
1929	642	32,254	234,532	58	3,052	25,829	64	5,095	37,007	3	160	1,607
1930	1,345	111,643	864,715	147	6,802	61,599	161	19,675	173,290	5	310	1,872
	State-bank members						Nonmember banks					
1921	19	2,309	21,218	2	150	633	431	17,433	153,957	50	1,443	14,361
1922	12	621	5,151	2	250	3,542	297	9,787	86,478	41	2,423	23,947
1923	34	2,235	18,324	3	115	1,095	524	15,098	137,473	23	831	6,606
1924	37	2,645	13,580	2	75	295	617	18,053	138,869	74	1,955	15,272
1925	28	1,950	8,727	3	100	479	466	14,521	105,636	48	1,194	9,839
1926	35	2,549	20,946	4	220	3,514	796	24,235	203,676	135	4,424	52,431
1927	33	2,619	19,755	3	360	3,238	538	16,729	127,555	84	3,061	27,418
1928	16	975	10,621	3	250	6,193	418	14,540	96,402	34	1,215	9,117
1929	17	2,030	20,128	2	125	666	561	25,129	177,397	53	2,767	23,556
1930	26	30,735	207,150	2	140	1,666	1,158	61,233	484,275	140	6,352	58,061

No. 294.—BANKS SUSPENDED AND REOPENED, BY STATES, 1930

[Deposits in thousands of dollars]

Division and State	Banks suspended		Banks reopened		Division and State	Banks suspended		Banks reopened	
	Number	Deposits	Number	Deposits		Number	Deposits	Number	Deposits
Contl. U. S.	**1,345**	**864,715**	**147**	**61,599**	**South Atlantic—Con.**				
New England	**13**	**38,841**	**1**	**4,867**	Virginia	20	5,835	------	------
New Hampshire	1	11,400	------	------	West Virginia	10	10,274	2	660
Vermont	2	1,768	------	------	North Carolina	93	57,402	7	3,321
Massachusetts	3	10,010	1	4,867	South Carolina	27	7,479	2	468
Connecticut	7	15,663	------	------	Georgia	31	6,478	2	202
Middle Atlantic	**30**	**237,773**	------	------	Florida	39	44,427	8	3,577
New York	8	183,600	------	------	**East South Central**	**143**	**127,733**	**11**	**4,094**
New Jersey	3	2,566	------	------	Kentucky	29	63,190	2	2,459
Pennsylvania	19	51,607	------	------	Tennessee	28	27,740	5	1,167
East North Central	**286**	**145,947**	**42**	**25,449**	Alabama	34	9,375	3	205
Ohio	25	29,302	2	1,344	Mississippi	52	27,428	1	263
Indiana	90	38,108	18	10,266	**West South Central**	**201**	**69,248**	**40**	**8,168**
Illinois	126	63,098	10	7,631	Arkansas	135	47,297	34	6,540
Michigan	21	6,535	1	656	Louisiana	9	5,993	2	801
Wisconsin	24	8,904	11	5,557	Oklahoma	23	4,507	1	73
West North Central	**413**	**89,617**	**30**	**9,568**	Texas	34	11,451	3	754
Minnesota	22	3,268	3	1,320	**Mountain**	**25**	**7,945**	**1**	**258**
Iowa	86	30,062	------	------	Montana	11	2,367	------	------
Missouri	104	19,356	1	98	Idaho	1	46	------	------
North Dakota	60	5,167	1	136	Colorado	5	499	------	------
South Dakota	54	11,409	1	263	Arizona	5	3,054	1	258
Nebraska	44	9,810	22	7,304	Utah	3	1,969	------	------
Kansas	43	10,545	2	447	**Pacific**	**12**	**11,066**	------	------
South Atlantic	**222**	**136,545**	**22**	**9,195**	Washington	3	1,066	------	------
Maryland	2	4,650	1	967	Oregon	2	174	------	------
					California	7	9,826	------	------

Source of Tables 293 and 294 Federal Reserve Board.

12. WEALTH

(Data in this section relate to continental United States)

No. 295.—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)

[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)	30,069	30,069	----------	780	780	----------
1870 (gold basis)	24,055	24,055	----------	624	624	----------
1880	43,642	41,642	[1] 2,000	870	830	40
1890	65,037	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	[2] 186,300	[2] 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	[2] 186,300	320,804
Real estate, plant and equipment, total	69,848	83,801	141,700	229,406
Real property taxed	46,325	55,510	[2] 96,923	155,909
Real property exempt	6,213	6,831	12,314	20,506
Livestock	3,306	4,074	6,238	5,807
Farm implements and machinery	750	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	16,149	19,951
Motor vehicles				4,567
Transportation and transmission enterprises (except railroads) total	3,495	4,841	10,265	15,414
Street railways	1,576	2,220	4,597	4,878
Telegraph systems	212	227	223	204
Telephone systems	400	586	1,061	1,748
Pullman and other private cars not owned by railroads	99	123	123	545
Pipe lines				500
Shipping and canals	538	846	[3] 1,491	[4] 2,951
Irrigation enterprises			361	
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	18,462	34,334	75,984
Agricultural products	1,455	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	4,295	39,816
Furniture, carriages, etc	4,880	5,750	8,463	

[1] From page 11, 1880 census volume, Valuation, Taxation, and Public Indebtedness.
[2] Differs from estimate as published in 1912 because of revision of estimate for taxed real property in Oklahoma.
[3] Includes $402,000,000 value of ships belonging to the United States Navy.
[4] Includes $1,440,000,000 value of ships belonging to the United States Navy.

Source: Bureau of the Census, Department of Commerce.

No. 296.—WEALTH; ESTIMATES FOR EACH GEOGRAPHIC

NOTE.—See headnotes, Tables 295 and 297. For totals see Table 297. For assessed valua

[All figures in thou

Division and State	Real property and improvements		Livestock		Farm implements and machinery		Manufacturing machinery, tools, and implements	
	1912	1922	1912	1922	1912	1922	1912	1922
United States	[1] 109,236,926	176,414,444	6,238,359	5,807,104	1,363,225	2,604,638	3,091,451	15,783,260
New England	7,248,043	13,178,296	152,413	147,322	53,648	69,703	766,480	2,007,629
Maine	485,859	1,019,946	32,745	32,987	15,628	20,330	69,941	148,362
New Hampshire	335,212	664,968	16,015	16,588	6,020	6,911	38,562	116,796
Vermont	255,994	395,370	30,651	35,296	10,695	17,605	19,089	47,350
Massachusetts	4,118,216	7,156,110	43,149	35,082	12,111	13,775	377,873	1,046,430
Rhode Island	600,747	912,419	6,875	5,261	1,884	1,557	93,860	211,496
Connecticut	1,452,015	3,024,483	22,977	22,608	7,310	9,025	167,155	437,105
Middle Atlantic	30,315,702	41,522,524	519,253	466,545	177,726	279,728	1,904,416	5,326,850
New York	16,910,263	20,757,834	263,578	225,149	89,173	134,379	813,601	2,123,397
New Jersey	3,856,915	5,850,567	45,848	37,872	13,865	18,023	303,596	999,080
Pennsylvania	9,548,524	14,914,123	209,827	203,524	74,688	127,321	877,219	2,193,873
East North Central	23,748,446	37,400,645	1,301,591	1,194,289	289,229	533,219	1,415,248	4,313,565
Ohio	5,173,708	10,176,297	273,612	248,248	54,181	86,177	423,065	1,330,529
Indiana	2,957,867	4,654,789	227,006	203,370	43,733	80,633	178,385	473,498
Illinois	10,046,320	12,568,726	386,701	319,023	79,474	159,557	451,299	1,194,793
Michigan	3,957,379	6,790,479	184,783	167,484	54,141	84,200	199,266	831,778
Wisconsin	2,508,172	4,210,354	229,489	256,164	57,700	123,652	163,225	482,967
West North Central	18,390,287	29,199,775	1,838,987	1,664,077	403,249	848,737	363,455	951,731
Minnesota	3,391,615	5,204,208	217,332	228,685	56,775	132,862	83,648	241,484
Iowa	5,111,230	7,173,551	491,614	466,802	102,981	228,773	58,520	143,628
Missouri	3,264,059	5,796,306	308,101	248,056	55,328	98,586	125,038	333,027
North Dakota	1,261,288	1,625,963	125,614	98,225	49,878	94,095	5,245	9,470
South Dakota	639,662	2,072,618	145,815	152,592	38,101	85,646	6,044	11,048
Nebraska	2,316,850	3,530,655	265,474	250,865	48,112	104,500	35,084	86,808
Kansas	2,705,483	3,796,474	284,537	218,852	52,074	104,275	49,876	126,266
South Atlantic	7,536,325	16,662,387	485,664	507,101	107,213	189,116	545,735	1,182,166
Delaware	172,148	328,375	8,795	7,238	3,417	4,910	16,604	52,085
Maryland	1,345,484	1,908,289	45,904	42,821	12,509	20,007	85,043	219,387
District of Columbia	902,024	1,274,899	1,795	542	84	66	13,786	22,097
Virginia	1,176,104	2,772,373	85,954	92,053	19,757	35,576	66,657	164,146
West Virginia	1,399,190	3,250,603	55,993	58,043	7,406	13,155	60,272	119,953
North Carolina	700,300	2,371,365	85,068	103,397	20,316	33,853	85,120	238,327
South Carolina	506,607	1,189,944	61,304	61,927	15,605	32,945	98,943	132,579
Georgia	904,984	1,954,736	106,429	101,764	23,177	39,908	90,420	159,411
Florida	429,484	1,551,713	34,422	38,716	4,942	8,696	28,791	4,181
East South Central	3,381,632	6,923,148	439,418	397,499	80,654	137,296	222,239	459,293
Kentucky	1,139,434	1,864,939	136,524	112,090	21,962	34,593	41,219	97,856
Tennessee	831,914	2,499,378	126,175	115,059	22,504	42,982	50,650	145,206
Alabama	933,661	1,419,872	86,921	84,718	17,813	26,821	95,250	160,989
Mississippi	476,623	1,138,959	89,798	85,632	18,375	32,900	35,120	55,242
West South Central	7,227,378	11,047,953	722,173	587,968	128,079	227,326	250,665	518,270
Arkansas	800,977	1,481,157	88,302	74,514	18,487	36,264	30,525	48,928
Louisiana	1,028,989	1,531,235	64,773	65,511	17,065	28,139	88,307	104,146
Oklahoma	[2] 1,699,348	2,072,055	174,194	120,136	30,404	57,031	21,965	97,857
Texas	3,698,064	5,962,506	394,904	327,807	62,123	105,892	109,868	268,339
Mountain	2,799,347	6,777,184	480,555	514,601	55,555	145,223	163,747	296,723
Montana	450,272	1,223,935	91,708	98,904	11,913	45,353	6,199	48,928
Idaho	143,201	898,175	58,398	70,411	11,912	30,035	18,508	34,723
Wyoming	90,281	589,746	54,435	59,682	4,129	8,624	3,044	28,410
Colorado	1,223,512	1,758,446	88,000	100,664	14,401	35,059	91,354	86,808
New Mexico	147,057	440,772	55,004	47,068	4,717	6,860	3,665	4,735
Arizona	183,409	815,594	43,997	57,658	1,992	6,365	12,610	36,302
Utah	376,008	795,047	39,302	53,055	4,777	9,493	24,491	50,507
Nevada	186,107	255,469	29,651	27,159	1,714	2,828	3,786	6,313
Pacific	8,289,268	13,707,532	318,336	327,202	72,872	174,290	369,471	726,030
Washington	1,838,850	3,257,299	68,242	60,918	18,798	40,416	111,049	203,604
Oregon	1,163,594	2,089,511	74,362	75,176	14,545	31,242	38,108	83,651
California	5,286,822	8,360,722	175,732	191,108	39,529	102,632	220,314	438,775

[1] Not distributed by States in 1922; total $4,278,155,000.
[2] Not shown separately in 1912.
[3] Differs from estimate as published in 1912 because of revision of estimate for taxed real property in Oklahoma.
[4] Includes $402,352,000 value of ships belonging to the United States Navy and $290,000,000 value of privately owned water-supply systems not distributed by States.

DIVISION AND STATE, BY CLASSES OF TANGIBLE PROPERTY

tion of property subject to general property tax in 1929, by States, see Table 214, p. 222

sands of dollars]

Gold and silver coin and bullion [1]	Railroads and their equipment		Motor vehicles [2]	Street railways, shipping, waterworks, etc.		All other		Division and State
1912	1913 (revised)	1922	1922	1912	1922	1913	1922	
2, 616, 643	16, 148, 532	19, 850, 800	4, 567, 407	[3]10, 205, 207	[3]15, 414, 447	34, 394, 291	[4]80, 261, 762	United States.
168, 386	613, 892	759, 764	299, 461	667, 812	983, 968	2, 247, 249	6, 972, 673	New England.
14, 779	97, 342	119, 353	35, 044	77, 912	96, 371	223, 533	533, 638	Maine.
8, 023	85, 204	104, 699	18, 380	31, 073	42, 521	137, 796	403, 272	New Hampshire.
6, 500	43, 895	53, 953	16, 170	20, 642	43, 621	117, 852	232, 675	Vermont.
101, 876	213, 277	268, 013	146, 249	348, 842	530, 538	1, 165, 798	3, 784, 642	Massachusetts.
13, 003	23, 277	34, 671	25, 207	53, 772	65, 130	187, 578	668, 495	Rhode Island.
23, 005	145, 897	179, 075	58, 321	135, 571	205, 787	415, 192	1, 349, 951	Connecticut.
899, 203	3, 190, 418	3, 914, 682	824, 572	2, 792, 250	4, 277, 011	8, 012, 298	21, 051, 284	Middle Atlantic.
632, 555	1, 206, 211	1, 479, 682	384, 113	1, 787, 202	2, 594, 070	3, 961, 420	9, 320, 138	New York.
54, 897	434, 057	532, 263	132, 323	302, 215	414, 776	999, 917	3, 809, 280	New Jersey.
211, 751	1, 550, 150	1, 902, 737	308, 136	702, 833	1, 268, 165	3, 050, 961	7, 915, 866	Pennsylvania.
488, 764	3, 184, 642	3, 989, 211	1, 151, 490	2, 095, 017	2, 763, 670	7, 144, 772	17, 476, 925	East North Central.
112, 275	821, 906	1, 009, 197	324, 733	584, 703	754, 071	1, 679, 758	4, 550, 300	Ohio.
57, 445	644, 519	790, 298	176, 518	286, 567	358, 930	963, 428	2, 091, 690	Indiana.
205, 185	942, 118	1, 221, 143	292, 664	748, 713	982, 060	2, 640, 355	5, 494, 828	Illinois.
63, 658	455, 281	571, 827	216, 492	268, 201	442, 679	1, 004, 709	3, 299, 922	Michigan.
50, 201	320, 718	396, 746	141, 083	146, 743	225, 930	856, 522	2, 030, 185	Wisconsin.
285, 898	2, 715, 448	3, 333, 141	708, 598	843, 053	1, 268, 585	5, 469, 983	7, 984, 238	West North Central.
51, 532	449, 603	554, 570	141, 553	231, 846	285, 818	949, 426	1, 758, 738	Minnesota.
49, 566	476, 208	583, 887	183, 655	133, 832	246, 538	1, 285, 015	1, 484, 848	Iowa.
93, 140	499, 477	612, 795	145, 789	267, 557	404, 419	1, 115, 248	2, 342, 431	Missouri.
12, 454	249, 183	305, 530	30, 036	17, 052	34, 387	392, 126	264, 066	North Dakota.
12, 335	187, 283	229, 631	46, 076	25, 802	37, 190	272, 174	291, 167	South Dakota.
30, 453	310, 258	380, 413	95, 067	79, 476	110, 217	635, 104	761, 550	Nebraska.
36, 418	543, 436	666, 315	120, 422	87, 488	150, 016	820, 890	1, 081, 438	Kansas.
228, 712	1, 721, 552	2, 134, 773	395, 355	680, 270	1, 069, 316	3, 285, 351	7, 028, 245	South Atlantic.
3, 936	17, 876	21, 919	8, 916	20, 411	26, 030	61, 639	175, 692	Delaware.
28, 723	149, 116	183, 100	61, 561	165, 625	257, 354	403, 079	1, 238, 211	Maryland.
8, 779	17, 315	21, 231	19, 996	64, 168	77, 745	163, 754	280, 694	Dist. of Columbia.
37, 837	408, 026	501, 972	63, 113	103, 842	178, 308	503, 635	1, 083, 429	Virginia.
23, 690	357, 238	441, 524	41, 297	67, 306	133, 319	456, 936	619, 935	West Virginia.
37, 627	204, 606	251, 694	67, 779	44, 410	81, 257	507, 962	1, 395, 438	North Carolina.
25, 507	130, 580	160, 166	35, 098	55, 766	83, 227	366, 736	708, 959	South Carolina.
45, 623	240, 422	310, 619	53, 489	129, 509	160, 070	616, 460	1, 008, 762	Georgia.
15, 090	189, 773	233, 548	44, 106	20, 233	62, 406	205, 150	427, 125	Florida.
149, 235	887, 937	1, 092, 609	170, 162	304, 131	491, 510	1, 945, 457	3, 318, 858	East South Central.
41, 650	256, 492	314, 731	57, 337	91, 800	161, 468	547, 922	939, 377	Kentucky.
39, 068	216, 745	269, 323	50, 734	118, 787	148, 390	477, 855	957, 179	Tennessee.
38, 212	240, 989	295, 534	33, 496	65, 269	138, 895	537, 315	841, 718	Alabama.
30, 305	173, 711	213, 021	28, 595	28, 275	42, 757	382, 365	580, 584	Mississippi.
175, 407	1, 321, 078	1, 625, 144	349, 397	346, 620	760, 994	3, 037, 450	4, 742, 847	West South Central.
27, 064	226, 202	278, 425	31, 302	32, 903	60, 667	407, 436	588, 300	Arkansas.
32, 739	215, 562	264, 484	38, 439	93, 342	143, 488	449, 035	1, 181, 418	Louisiana.
34, 258	350, 550	441, 267	80, 925	48, 416	171, 752	749, 411	942, 601	Oklahoma.
81, 346	519, 764	640, 968	180, 731	171, 954	385, 077	1, 431, 568	2, 030, 468	Texas.
69, 651	1, 330, 859	1, 635, 609	160, 400	564, 515	503, 090	1, 140, 075	2, 173, 268	Mountain.
11, 119	258, 561	318, 993	23, 308	106, 010	111, 834	196, 976	351, 934	Montana.
7, 758	130, 449	159, 946	19, 934	95, 201	53, 933	113, 480	266, 184	Idaho.
3, 593	104, 966	128, 700	11, 397	26, 724	25, 039	68, 561	124, 041	Wyoming.
23, 696	297, 625	364, 963	59, 893	197, 042	143, 485	379, 022	680, 094	Colorado.
6, 645	169, 032	207, 660	9, 184	18, 070	16, 671	10, 929	118, 880	New Mexico.
4, 729	85, 531	105, 831	13, 736	37, 983	30, 469	86, 474	248, 336	Arizona.
9, 580	144, 270	177, 314	18, 575	57, 964	101, 497	139, 908	329, 989	Utah.
2, 531	140, 425	172, 202	4, 373	24, 021	20, 162	64, 725	53, 210	Nevada.
153, 387	1, 182, 808	1, 465, 867	447, 972	1, 339, 187	1, 489, 436	2, 051, 656	5, 235, 289	Pacific.
35, 800	316, 244	390, 042	79, 904	227, 342	247, 806	516, 733	842, 416	Washington.
25, 140	293, 002	365, 252	50, 373	145, 747	184, 070	302, 941	540, 184	Oregon.
92, 447	573, 560	710, 573	317, 695	960, 098	1, 057, 560	1, 231, 982	3, 852, 669	California.

[3] Includes $1,445,992,000 value of ships belonging to the United States Navy and $360,885,000 privately owned water-supply systems not distributed by States.
[4] Includes $4,278,155,000 value of gold and silver coin and bullion not distributed by States.

Source: Bureau of the Census, Department of Commerce.

No. 297.—WEALTH: Estimated Value of All Tangible Property Situated in Each Geographic Division and State

Note.—See headnote to Table 295. 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 1922					
	1890	1900	1904	1912 [1]	1922 [2]		1890	1900	1904	1912	1922
United States	65,037	88,517	107,104	186,300	320,804	300,298	1,036	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	3,186
Maine	489	682	776	1,018	2,007	1,919	740	982	1,096	1,351	2,535
New Hampshire	325	472	517	658	1,374	1,283	863	1,147	1,214	1,513	3,074
Vermont	266	330	360	505	842	799	799	960	1,035	1,407	2,389
Massachusetts	2,804	4,359	4,956	6,381	12,981	11,895	1,252	1,554	1,672	1,827	3,213
Rhode Island	504	711	799	986	1,925	1,814	1,459	1,658	1,702	1,737	3,033
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	71,358	1,277	1,689	1,763	2,374	3,352
New York	8,577	12,505	14,769	25,664	37,035	33,019	1,430	1,720	1,868	2,694	3,433
New Jersey	1,445	2,734	3,236	6,011	11,704	11,176	1,000	1,451	1,547	2,240	3,524
Pennsylvania	6,191	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	19,682	23,991	39,608	68,823	65,516	1,117	1,230	1,416	2,112	3,083
Ohio	3,951	5,019	5,947	9,123	18,489	17,553	1,076	1,207	1,367	1,861	3,013
Indiana	2,095	2,607	3,106	5,359	8,830	8,337	956	1,036	1,174	1,954	2,942
Illinois	5,067	6,977	8,817	15,500	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	1,103	1,292	1,808	2,887
West North Central	10,214	13,785	16,830	30,610	46,019	44,080	1,149	1,332	1,546	2,567	3,638
Minnesota	1,092	2,614	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	7,769	10,512	10,197	1,196	1,509	1,828	3,465	4,274
Missouri	2,398	3,244	3,760	5,728	9,982	9,612	895	1,044	1,147	1,717	2,933
North Dakota	337	542	736	2,113	2,467	2,167	1,844	1,099	1,771	3,329	3,932
South Dakota	425	553	680	1,327	2,926	2,744	1,293	1,376	1,530	2,125	4,432
Nebraska	1,276	1,626	2,009	3,721	5,320	5,128	1,205	1,525	1,882	3,049	4,034
Kansas	1,799	1,938	2,253	4,530	6,264	5,995	1,261	1,318	1,468	2,632	3,433
South Atlantic	5,133	6,679	7,937	14,589	26,169	24,262	579	640	716	1,159	2,035
Delaware	176	212	230	305	526	488	1,043	1,146	1,204	1,478	2,723
Maryland	1,085	1,317	1,512	2,236	3,991	3,742	1,041	1,109	1,213	1,694	2,655
District of Columbia	344	929	1,040	1,172	1,697	1,219	1,491	3,332	3,491	3,418	3,879
Virginia	862	1,102	1,288	2,402	4,892	4,542	521	594	666	1,140	2,050
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	362	414	811	1,335
Georgia	852	936	1,168	2,163	3,807	3,726	464	422	493	802	1,396
Florida	390	356	431	937	2,440	2,329	995	673	729	1,167	2,353
East South Central	3,137	3,854	4,285	7,411	12,990	12,348	488	484	536	881	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	478	520	848	1,773
Alabama	623	775	965	2,015	3,002	2,891	412	424	494	913	1,214
Mississippi	454	557	688	1,235	2,178	2,081	352	359	416	667	1,216
West South Central	3,264	4,553	5,768	13,209	19,861	18,837	691	697	796	1,422	1,857
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	[3] 1,095	[4] 3,118	3,993	3,627	[3] 860	[3] 1,027	[3] 1,092	1,084	1,864
Texas	2,106	2,322	2,837	6,379	9,851	9,453	942	762	841	1,561	2,010
Mountain	2,027	3,244	3,973	6,585	12,206	10,455	2,250	1,925	2,228	2,312	3,435
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	650	2,796	3,041	3,297	2,253	4,633
Colorado	1,146	988	1,207	2,315	3,230	2,880	2,780	1,738	2,046	2,702	3,235
New Mexico	232	268	332	495	852	737	1,507	1,374	1,587	1,388	2,239
Arizona	180	203	305	457	1,314	1,158	3,168	2,140	2,239	2,052	3,513
Utah	349	413	488	796	1,535	1,361	1,681	1,401	1,609	2,016	3,217
Nevada	180	191	221	464	542	441	3,941	4,503	5,214	5,003	6,923
Pacific	3,885	4,633	6,019	13,777	23,573	21,805	2,076	1,917	2,290	3,002	3,934
Washington	761	782	1,052	3,183	5,122	4,690	2,177	1,509	1,806	2,484	3,690
Oregon	590	633	852	2,057	3,419	3,059	1,832	1,530	1,886	2,816	4,182
California	2,534	3,218	4,115	8,537	15,032	14,050	2,097	2,167	2,582	3,312	4,007

[1] 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.

[2] 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.

[3] Includes Indian Territory.

[4] 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. 298.—FOREIGN EXCHANGE RATES ON CABLE TRANSFERS, NEW YORK

Country	Monetary unit	Mint par	Yearly average rate in dollars							
			1923	1924	1925	1926	1927	1928	1929	1930
North America:		*Dollars*								
Canada	Dollar	1.0000	0.9804	0.9873	0.9996	0.9999	0.9997	0.9991	0.9925	0.9984
Cuba	Peso	1.0000	.9995	.9998	.9994	.9993	.9997	.9996	.9996	.9995
Mexico	do	.4985	.4855	.4851	.4939	.4831	.4720	.4811	.4818	.4713
South America:										
Argentina	Peso (gold)	.9648	.7857	.7813	.9138	.9215	.9030	.9048	.9513	.8351
Brazil	Milreis	[1] .1196	.1023	.1094	.1220	.1444	.1184	.1197	.1181	.1071
Chile	Peso [2]	[2] .1217	.1224	.1054	.1160	.1208	.1207	.1215	.1206	.1208
Colombia [3]	do	.9733	.9518	.9917	.9835	.9845	.9760	.9769	.9655	.9649
Peru [3]	Sol [4]	[4] .4000	4.1100	4.0500	4.0210	3.7410	3.7377	3.9705	3.9998	[5] .3562
Uruguay	Peso	1.0342	.7906	.8227	.9840	1.0147	1.0134	1.0266	.9863	.8687
Venezuela [3]	Bolivar	.1930	.1894	.1923	.1929	.1926	.1898	.1925	.1930	.1890
Europe:										
Austria	Schilling [6]	[6] .1407	[6] .00001	[6] .00001	.1406	.1407	.1408	.1407	.1406	.1409
Belgium	Belga [7]	[7] .1390	[7] .05219	[7] .04644	[7] .04758	[7] .03265	.1392	.1393	.1391	.1395
Bulgaria	Lev	[8] .0072	.00884	.00728	.00732	.00721	.00724	.00721	.00722	.00721
Czechoslovakia.	Koruna [9]	[9] .0296	.02955	.02954	.02966	.02962	.02962	.02963	.02961	.02964
Denmark	Krone	.2680	.1830	.1672	.2113	.2623	.2673	.2674	.2668	.2677
Finland	Markka	[10] .0252	.02683	.02508	.02522	.02521	.02520	.02517	.02516	.02517
France	Franc	[11] .0392	.06081	.05237	.04767	.03243	.03924	.03921	.03916	.03925
Germany	Reichsmark [12]	.2382	.00002	[12]	.2380	.2380	.2376	.2386	.2381	.2385
Greece	Drachma	[13] .0130	.01714	.01790	.01561	.01258	.01317	.01304	.01203	.01296
Hungary	Pengo [14]	.1749	[14] .00016	[14] .00002	[14] .00001	.1756	.1747	.1744	.1744	.1749
Italy	Lira	[15] .0526	.04602	.04358	.03978	.03889	.05156	.05257	.05233	.05237
Netherlands	Florin	.4020	.3910	.3821	.4016	.4010	.4011	.4022	.4016	.4023
Norway	Krone	.2680	.1667	.1394	.1788	.2233	.2605	.2669	.2668	.2676
Poland	Zloty [16]	[16] .1122	.000014	[16]	.1774	.1118	.1129	.1121	.1119	.1121
Portugal	Escudo	1.0805	.04253	.03385	.05040	.05125	.05029	.04468	.04471	.04494
Rumania	Leu	[17] .0060	.00494	.00498	.00483	.00462	.00604	.00613	.00596	.00595
Spain	Peseta	.1930	.1445	.1334	.1434	.1490	.1706	.1659	.1466	.1167
Sweden	Krona	.2680	.2655	.2052	.2685	.2676	.2681	.2680	.2680	.2685
Switzerland	Franc	.1930	.1806	.1822	.1933	.1931	.1926	.1926	.1928	.1938
United Kingdom.	Pound	4.8665	4.5748	4.4171	4.8289	4.8582	4.8610	4.8662	4.8569	4.8621
Yugoslavia	Dinar	.1930	.01072	.01282	.01705	.01765	.01760	.01760	.01759	.01768
Asia:										
Hong Kong	Dollar	[18]	.5290	.5247	.5052	.5333	.4921	.5007	.4717	.3385
China	Shanghai tael	[18]	.7202	.7208	.7577	.6842	.6210	.6430	.5842	.4182
Do	Mexican dollar	[18]	.5202	.5236	.5555	.4992	.4503	.4647	.4215	.3009
Do	Haikwan tael [3]	[18]	.80	.81	.84	.76	.69	.71	.64	.46
Do	Yuan dollar	[18]	.5262	.5270	.5691	.4998	.4394	.4614	.4190	.2992
India	Rupee	.3650	.3111	.3178	.3626	.3633	.3631	.3647	.3620	.3607
Japan	Yen	.4985	.4858	.4119	.4104	.4712	.4741	.4641	.4610	.4939
Malaya (British)	Straits Settlements dollar.	.5678	.5350	.5125	.5615	.5627	.5605	.5628	.5601	.5596

Parity of the milreis was established at 11.96 cents by laws of Dec. 18, 1926, and Jan. 5, 1927.

Quotations prior to 1926 are for the paper peso (1913 average, 19.53 cents). Beginning 1926, the currency was reestablished on a gold basis, the peso being devaluated to 12.17 cents.

[3] Data for 1923 to 1925 for Colombia, Peru, and Venezuela and for all years for the haikwan tael, China, compiled by the Bureau of Foreign and Domestic Commerce from publications of the individual countries.

[4] Quotations for 1923 to 1929 are for the libra, par $4.8665.

[5] Average for sol, Mar. 27 to Dec. 31. Average for libra, Jan. 2 to Mar. 26, was $4.

[6] Quotations for 1923 and 1924 are for the krone, par 20.26 cents.

[7] Quotations prior to 1927 are for the franc (par 19.3 cents). The belga, which is equal to 5 francs, superseded the Belgian franc Oct. 26, 1926, and was quoted at par during November and December, 1926.

[8] The lev was stabilized at 0.72 cents Nov. 22, 1928; former par value, 19.3 cents.

[9] Nominal par value, 20.26 cents. Stabilized in March, 1925, at 2.96 cents.

[10] Pre-war par of the markka, 19.3 cents. In 1926 it was devaluated to a new gold parity of 2.52 cents.

[11] In June, 1928, the currency was reestablished on a gold basis and the new parity of the franc fixed at 3.9179 cents. The former parity was 19.3 cents.

[12] Prior to 1924 quotations are for paper marks. Average for 1 trillion marks Jan. 1 to Oct. 28, 1924, 23 cents; for the reichsmark, Oct. 29 to Dec. 31, 1924, 23.80 cents.

[13] In May, 1928, the drachma was reestablished on a gold basis and stabilized at a new parity of 1.30 cents; former parity, 19.3 cents.

[14] Prior to 1926 quotations are for the paper krone (par 20.26 cents). On Jan. 1, 1926, this was superseded by the pengo, valued at 17.49 cents and exchangeable for 12,500 paper kronen.

[15] In December, 1927, the lira was stabilized at 5.26 cents. The former par value was 19.3 cents.

[16] Prior to 1924 quotations are for Polish marks, par 23.82 cents; thereafter for the zloty. The average rate for January to May, 1924, was 11.3 cents per million marks; for June to December, 19.23 cents for 1 zloty. The par value of the zloty when adopted as the currency unit in 1924 was fixed at 19.3 cents, but in October, 1927, it was stabilized at 11.22.

[17] In February, 1929, the leu was stabilized at 0.598 cent. The former par value was 19.3 cents.

[18] Par varies with the price of silver.

Source: Federal Reserve Board, except as noted.

No. 299.—FOREIGN EXCHANGE RATES, NEW YORK, BY MONTHS

NOTE.—For par of exchange of monetary units and yearly average rate see Table 298

	Canada (dollar)	Mexico (peso)	Argentina (peso)	Brazil (milreis)	Chile (peso) [1]	Belgium (belga) [2]	France (franc)	German (reichsmark) [3]
	Dollars	*Dollar*	*Dollar*	*Dollar*	*Dollar*	*Dollar*	*Dollar*	*Dollar*
1921:								
March	0.3751	---------	0.7820	0.1513	0.1476	0.0735	0.0703	0.0160
June	.8876	---------	.6986	.1165	.1086	.0803	.0807	.0144
September	.8985	0.4860	.6903	.1237	.1071	.0717	.0728	.0096
December	.9277	.4842	.7480	.1267	.1078	.0754	.0784	.0053
1922:								
March	.9036	.4929	.8278	.1367	.1141	.0843	.0900	.0036
June	.9884	.4848	.8186	.1372	.1264	.0822	.0876	.0032
September	.9993	.4830	.8108	.1254	.1373	.0723	.0766	.00068
December	.9945	.4845	.8557	.1195	.1241	.0664	.0723	.00014
1923:								
March	.9806	.4886	.8415	.1109	.1267	.0548	.0632	.00005
June	.9766	.4837	.8047	.1043	.1340	.0540	.0630	.000010
September	.9765	.4857	.7485	.0973	.1238	.0490	.0586	[4].0188
December	.9759	.4850	.7233	.0934	.1066	.0458	.0525	[5].000227
1924:								
March	.9696	.4823	.7655	.1145	.0977	.0387	.0468	[5].000220
June	.9844	.4822	.7389	.1075	.1060	.0456	.0525	[5].000234
September	.9994	.4898	.8003	.1009	.1044	.0494	.0580	[5].000238
December	.9965	.4881	.8832	.1151	.1133	.0497	.0540	.2380
1925:								
March	.9987	.4974	.8971	.1104	.1110	.0507	.0518	.2380
June	1.0000	.4966	.9133	.1089	.1132	.0470	.0477	.2380
September	.9999	.4935	.9171	.1362	.1202	.0440	.0471	.2380
December	.9996	.4875	.9421	.1417	.1216	.0453	.0374	.2381
1926:								
March	.9963	.4856	.9033	.1449	.1208	.0423	.0358	.2380
June	1.0010	.4885	.9166	.1552	.1204	.0296	.0294	.2380
September	1.0014	.4873	.9220	.1519	.1213	.0272	.0285	.2381
December	.9993	.4867	.9328	.1185	.1204	.1391	.0305	.2380
1927:								
March	.9990	.4701	.9598	.1185	.1200	.1390	.0391	.2371
June	.9994	.4642	.9644	.1180	.1202	.1380	.0392	.2369
September	1.0005	.4772	.9712	.1186	.1207	.1392	.0392	.2380
December	.9990	.4845	.9723	.1197	.1221	.1399	.0394	.2380
1928:								
March	1.0000	.4874	.9725	.1203	.1221	.1394	.0393	.2390
June	.9976	.4783	.9694	.1199	.1220	.1396	.0393	.2390
September	1.0004	.4785	.9566	.1193	.1209	.1390	.0391	.2383
December	.9979	.4793	.9575	.1180	.1207	.1391	.0391	.2383
1929:								
January	.9975	.4837	.9576	.1192	.1206	.1390	.0391	.2377
February	.9964	.4846	.9577	.1192	.1205	.1389	.0391	.2373
March	.9940	.4805	.9556	.1182	.1206	.1388	.0391	.2372
April	.9924	.4824	.9556	.1183	.1206	.1388	.0391	.2370
May	.9930	.4797	.9552	.1186	.1204	.1388	.0391	.2376
June	.9916	.4785	.9528	.1186	.1204	.1388	.0391	.2384
July	.9948	.4809	.9537	.1186	.1204	.1389	.0392	.2383
August	.9944	.4857	.9539	.1186	.1206	.1390	.0391	.2381
September	.9924	.4843	.9534	.1186	.1206	.1390	.0391	.2381
October	.9883	.4816	.9500	.1187	.1207	.1396	.0393	.2387
November	.9838	.4801	.9392	.1175	.1208	.1399	.0394	.2392
December	.9907	.4801	.9300	.1129	.1209	.1400	.0394	.2394
1930:								
January	.9889	.4744	.9134	.1109	.1206	.1394	.0393	.2388
February	.9924	.4748	.8653	.1115	.1203	.1393	.0392	.2387
March	.9976	.4749	.8564	.1150	.1205	.1394	.0391	.2386
April	.9995	.4754	.8863	.1172	.1205	.1396	.0392	.2387
May	.9984	.4754	.8722	.1183	.1207	.1395	.0392	.2386
June	.9999	.4741	.8448	.1140	.1208	.1395	.0392	.2385
July	1.0007	.4713	.8205	.1088	.1209	.1398	.0393	.2387
August	1.0009	.4734	.8249	.0996	.1211	.1398	.0393	.2389
September	1.0012	.4737	.8178	.1009	.1214	.1395	.0393	.2382
October	1.0010	.4717	.7805	[6]	.1208	.1394	.0392	.2381
November	1.0010	.4610	.7812	[6]	.1207	.1394	.0393	.2383
December	.9990	.4555	.7555	.0961	.1210	.1396	.0393	.2384

[1] See note 2, Table 298.
[2] Quotations prior to November, 1926, are for the franc. (See note 7, Table 298.)
[3] Quotations prior to December, 1924, are for paper marks, par $0.2382.
[4] Per million marks.
[5] Per billion marks.
[6] No quotations available Oct. 7 to Dec. 1.

No. 299.—Foreign Exchange Rates, New York, by Months—Continued

	United Kingdom (pound)	Italy (lira)	Netherlands (florin)	Spain (peseta)	Sweden (krona)	China, (Shanghai tael)	India (rupee)	Japan (yen)	British Malaya (Straits Settlements dollar)
	Dollars	*Dollar*	*Dollar*	*Dollar*	*Dollar*	*Dollars*	*Dollar*	*Dollar*	*Dollar*
1921:									
March	3.9111	0.0385	0.3440	0.1397	0.2283	0.6423	0.2595	0.4859	-------
June	3.7815	.0498	.3328	.1308	.2256	.6635	.2455	.4797	-------
September	3.7240	.0420	.3166	.1302	.2178	.7300	.2639	.4820	0.4246
December	4.1561	.0444	.3631	.1465	.2453	.7532	.2745	.4792	.4686
1922:									
March	4.3757	.0511	.3785	.1565	.2616	.7075	.2782	.4735	.4953
June	4.4519	.0496	.3871	.1569	.2581	.7903	.2891	.4775	.5114
September	4.4307	.0427	.3879	.1530	.2646	.7701	.2874	.4810	.5164
December	4.0098	.0503	.3984	.1564	.2695	.7104	.3065	.4885	.5301
1923:									
March	4.0957	.0486	.3949	.1547	.2660	.7553	.3157	.4846	.5481
June	4.0147	.0457	.3920	.1492	.2656	.7217	.3099	.4905	.5385
September	4.5422	.0444	.3930	.1358	.2655	.7079	.3060	.4862	.5319
December	4.3601	.0434	.3804	.1304	.2633	.7225	.3101	.4701	.5085
1924:									
March	4.2906	.0428	.3707	.1273	.2629	.7000	.2986	.4290	.5028
June	4.3199	.0433	.3744	.1346	.2654	.7137	.3049	.4108	.5019
September	4.4605	.0438	.3845	.1324	.2660	.7527	.3252	.4000	.5151
December	4.6058	.0430	.4042	.1396	.2695	.7547	.3529	.3844	.5399
1925:									
March	4.7763	.0407	.3992	.1422	.2695	.7336	.3567	.4097	.5510
June	4.8604	.0383	.4014	.1457	.2676	.7609	.3648	.4083	.5058
September	4.8465	.0406	.4021	.1439	.2682	.7847	.3663	.4075	.5659
December	4.8498	.0403	.4019	.1418	.2679	.7568	.3664	.4319	.5663
1926:									
March	4.8608	.0402	.4007	.1409	.2681	.7271	.3658	.4539	.5663
June	4.8661	.0360	.4018	.1576	.2680	.7217	.3629	.4685	.5621
September	4.8542	.0367	.4007	.1522	.2675	.6660	.3633	.4840	.5607
December	4.8512	.0444	.3999	.1524	.2672	.5897	.3605	.4894	.5594
1927:									
March	4.8540	.0451	.4001	.1741	.2675	.6050	.3630	.4914	.5596
June	4.8561	.0558	.4005	.1720	.2678	.6274	.3620	.4669	.5593
September	4.8635	.0544	.4008	.1715	.2688	.6121	.3634	.4682	.5599
December	4.8825	.0538	.4044	.1666	.2700	.6379	.3674	.4619	.5673
1928:									
March	4.8799	.0528	.4025	.1682	.2684	.6305	.3653	.4715	.5635
June	4.8803	.0526	.4033	.1657	.2683	.6623	.3646	.4661	.5614
September	4.8505	.0523	.4009	.1663	.2676	.6369	.3633	.4578	.5607
December	4.8524	.0524	.4017	.1623	.2676	.6355	.3647	.4589	.5625
1929:									
January	4.8499	.0523	.4011	.1630	.2674	.6312	.3645	.4551	.5600
February	4.8521	.0523	.4005	.1556	.2673	.6220	.3636	.4521	.5597
March	4.8526	.0524	.4005	.1507	.2671	.6223	.3636	.4452	.5608
April	4.8532	.0524	.4014	.1475	.2671	.6125	.3631	.4462	.5596
May	4.8508	0524	.4020	.1422	.2672	.5962	.3618	.4465	.5598
June	4.8482	.0523	.4015	.1413	.2676	.5777	.3603	.4388	.5593
July	4.8510	.0523	.4014	.1451	.2680	.5784	.3597	.4556	.5588
August	4.8485	.0523	.4006	.1467	.2679	.5769	.3597	.4669	.5587
September	4.8482	.0523	.4009	.1476	.2678	.5604	.3603	.4727	.5599
October	4.8699	.0524	.4025	.1450	.2684	.5477	.3616	.4776	.5622
November	4.8775	.0524	.4035	.1399	.2687	.5472	.3625	.4873	.5621
December	4.8816	.0524	.4036	.1378	.2696	.5368	.3636	.4896	.5607
1930:									
January	4.8688	.0523	.4023	.1310	.2685	.4962	.3631	.4909	.5603
February	4.8618	.0523	.4010	.1270	.2683	.4796	.3621	.4913	.5600
March	4.8631	.0524	.4011	.1231	.2686	.4711	.3611	.4933	.5590
April	4.8631	.0524	.4020	.1248	.2688	.4690	.3612	.4937	.5587
May	4.8597	.0524	.4023	.1223	.2683	.4469	.3606	.4938	.5589
June	4.8587	.0524	.4020	.1175	.2685	.3704	.3600	.4941	.5591
July	4.8657	.0524	.4024	.1152	.2688	.3694	.3606	.4936	.5594
August	4.8707	.0524	.4029	.1088	.2689	.3854	.3604	.4930	.5595
September	4.8611	.0524	.4029	.1073	.2687	.3968	.3599	.4941	.5603
October	4.8590	.0524	.4030	.1034	.2685	.3910	.3602	.4959	.5617
November	4.8564	.0523	.4024	.1130	.2683	.3884	.3597	.4960	.5595
December	4.8566	.0524	.4027	.1075	.2683	.3570	.3593	.4962	.5593

Source: The Federal Reserve Board.

No. 300.—INTEREST AND ACCEPTANCE RATES: CALL MONEY, TIME LOANS AND ACCEPTANCES, NEW YORK

NOTE.—Rates shown are the range (low and high) for the quarter or month based on 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; thus, week ending Feb. 2 would be included in January

Year, quarter, and month	Call money	Time loans		Bankers' acceptances (90 days)
		60 to 90 days [1]	Six months	
1913				
Jan.–Mar.	2 – 6	3¼ – 6	4 – 6	
Apr.–June	1 – 7	3½ – 5	4 – 6	
July–Sept.	1½ – 4½	2¾ – 5	4½ – 6	
Oct.–Dec.	2½ – 10	4½ – 6	4½ – 5¾	
1914				
Jan.–Mar.	1½ – 10	2½ – 5	3 – 5	
Apr.–June	1½ – 2	2 – 3¼	2¾ – 3¾	
July–Sept.	1½ – 10	2½ – 10	3½ – 8	
Oct.–Dec.	2¼ – 8	3½ – 10	3¾ – 7	
1915				
Jan.–Mar.	1¾ – 3	2¼ – 4½	3 – 4	
Apr.–June	1 – 2½	2¼ – 3¼	2¾ – 3½	
July–Sept.	1½ – 2	2½ – 3¼	3 – 3¾	
Oct.–Dec.	1½ – 2½	2¼ – 3	3¾ – 3½	
1916				
Jan.–Mar.	1¾ – 3	2½ – 3¼	2¾ – 3½	
Apr.–June	1½ – 4	1¾ – 4	3 – 4	
July–Sept.	2 – 6	2½ – 4	3½ – 5	
Oct.–Dec.	1¾ – 15	2¾ – 4¾	3¾ – 4½	
1917				
Jan.–Mar.	1½ – 3¼	2½ – 4½	2¾ – 5	
Apr.–June	2 – 6	2¾ – 6	4 – 6	
July–Sept.	1½ – 10	3¾ – 6	4¼ – 6	
Oct.–Dec.	2 – 6	5 – 6	5 – 6	3¼ – 3⅝
1918				
Jan.–Mar.	2 – 7½	5¼ – 6	5½ – 6	3⅞ – 4⅜
Apr.–June	2 – 6	5¼ – 6	5¾ – 6	4¼ – 4⅝
July–Sept.	3½ – 6	5¼ – 6	5¾ – 6	4¼ – 4⅝
Oct.–Dec.	3½ – 6	5 – 6	5¼ – 6	4¼ – 4⅝
1919				
Jan.–Mar.	2¾ – 7	5 – 5¾	5¼ – 5¾	4¼ – 4⅝
Apr.–June	3¼ – 15	5¼ – 6	5 – 6	4¼ – 4⅝
July–Sept.	3 – 20	5¾ – 8	5¾ – 8	4¼ – 5⅛
Oct.–Dec.	2 – 30	5¾ – 8	5¾ – 8	4¼ – 5⅛
1920				
Jan.–Mar.	3 – 25	7 – 10	7 – 9	5 – 6⅞
Apr.–June	6 – 15	8 – 9	7½ – 9	5⅞ – 6½
July–Sept.	5 – 20	6 – 9	6 – 9	6¼ – 6½
Oct.–Dec.	5 – 16	6 – 8¼	6 – 8½	3⅜ – 6⅜
1921				
Jan.–Mar.	6 – 9	6 – 7½	6 – 8	5¾ – 6⅛
Apr.–June	5 – 8	6 – 7	6 – 7¾	5¼ – 6
July–Sept.	3½ – 6½	5 – 6¼	3¾ – 6¼	4¾ – 5½
Oct.–Dec.	4 – 6	4¾ – 5½	4¾ – 5¾	4⅛ – 4¾
1922				
Jan.–Mar.	3 – 6	4½ – 5	4½ – 5¼	3½ – 4⅛
Apr.–June	2¾ – 5½	3½ – 4½	3¼ – 4¾	3 – 3⅝
July–Sept.	3 – 6	3¾ – 4¾	3¾ – 5	3 – 3⅝
Oct.–Dec.	3½ – 6	4¾ – 5	4¾ – 5	3½ – 4¼
1923				
Jan.–Mar.	3½ – 6	4½ – 5½	4½ – 5½	4 – 4⅛
Apr.–June	4 – 6	4¾ – 5¾	5 – 5¾	4 – 4⅛
July–Sept.	3½ – 6	5 – 5¾	5 – 5¾	4⅛ – 4¼
Oct.–Dec.	4 – 6	5 – 5½	5 – 5½	4⅛ – 4¼
1924				
January	3¾ – 5¾	4½ – 5	4½ – 5	4 – 4¼
February	4 – 5½	4½ – 5	4½ – 5	4 – 4¼
March	2½ – 5½	4 – 5	4½ – 5	3⅞ – 4¼
April	3½ – 5½	4¼ – 4⅝	4½ – 4¾	4 – 4⅛
May	2¾ – 4½	3¾ – 4¼	4 – 4½	3 – 3⅝
June	2 – 3	2¾ – 4	3¼ – 4¼	2 – 2⅞
July	2 – 3	2½ – 3	3¼ – 3½	2 – 2⅛
August	2	2 – 3	3 – 3½	2 – 2⅜
September	2 – 3	2¼ – 3¼	3 – 3½	2⅛ – 2⅜
October	2 – 3	2¼ – 3	3 – 3½	2⅛ – 2⅜
November	2 – 4	2¾ – 3½	3 – 3¾	2⅛ – 2⅝
December	2½ – 5	3¼ – 3¾	3½ – 4	2⅞ – 3⅛
1925				
January	2 – 5	3½ – 3¾	3¾ – 4	3 – 3⅛
February	3 – 5	3½ – 4	3¾ – 4¼	3 – 3⅝
March	3½ – 5	3¾ – 4¼	4¼ – 4½	3¼ – 3⅜
April	3½ – 5	3¾ – 4¼	4 – 4½	3⅛ – 3⅝
May	3½ – 4	3¾ – 4	3¾ – 4	3⅛ – 3⅜
June	3¾ – 5	3¾ – 4	3¾ – 4	3¼ – 3⅜
July	3½ – 6	3¾ – 4¼	4 – 4½	3¼ – 3⅜
August	3¾ – 4½	4⅛ – 4⅜	4⅛ – 4⅜	3½ – 3⅝
September	3½ – 6	4¼ – 4½	4⅛ – 4¾	3½ – 3⅝
October	4 – 5½	4½ – 5	4¾ – 5	3½ – 3⅝
November	4¼ – 5	4¾ – 5	5	3½ – 3⅝
December	4½ – 6	3½ – 5	3¾ – 5	3½ – 3⅝
1926				
January	4 – 6	4½ – 5	4½ – 5	3⅛ – 3⅞
February	4 – 5½	4½ – 5	4½ – 5	3¾ – 3⅞
March	4 – 5½	4½ – 5	4½ – 5	3¾ – 3⅞
April	3 – 5½	4 – 4⅝	4 – 4⅝	3⅛ – 3¾
May	3 – 4½	4	4 – 4¼	3⅛ – 3½
June	3½ – 5	4 – 4¼	4 – 4½	3¼ – 3½
July	4 – 5	4¼ – 4½	4¼ – 4¾	3¾ – 3½
August	4 – 5	4⅜ – 5	4½ – 5¼	3⅝ – 3¾
September	4½ – 6	4⅞ – 5¼	5 – 5¼	3⅞ – 4
October	4 – 5½	4¾ – 5¼	4¾ – 5¼	3⅞ – 4
November	4¼ – 5	4½ – 4⅞	4¾ – 4⅞	3⅞ – 4
December	4½ – 6	4⅝ – 4¾	4⅝ – 4¾	3¾ – 4
1927				
January	4 – 5	4¼ – 4⅜	4¼ – 4⅝	3⅝ – 3⅞
February	3¾ – 5	4⅜ – 4½	4⅜ – 4½	3⅜ – 3⅝
March	3½ – 4½	4⅜ – 4½	4⅜ – 4½	3⅝ – 3¾
April	4 – 5	4⅜ – 4½	4⅜ – 4½	3⅝ – 3¾
May	4 – 4½	4¼ – 4½	4⅜ – 4½	3⅝ – 3¾
June	4 – 5	4⅜ – 4⅝	4⅜ – 4⅝	3⅜ – 3⅝
July	3½ – 4½	4⅛ – 4⅜	4⅜ – 4⅝	3⅛ – 3⅞
August	3½ – 4	3¾ – 4⅜	4⅛ – 4½	3⅛ – 3¼
September	3½ – 4½	3¾ – 4⅛	4¼ – 4½	3⅛ – 3¼
October	3½ – 4½	4 – 4¼	4¼ – 4⅜	3¼ – 3⅜
November	3½ – 4½	4 – 4¼	4 – 4½	3¼ – 3⅜
December	4 – 5½	4⅛ – 4¼	4⅛ – 4¼	3¼ – 3⅜
1928				
January	4 – 5½	4⅛ – 4½	4⅛ – 4⅛	3¼ – 3⅝
February	4 – 5	4⅜ – 4⅝	4⅜ – 4⅝	3½ – 3¾
March	4 – 5	4⅛ – 4¾	4¼ – 4¾	3½ – 3⅝
April	4½ – 6	4¾ – 5	4¾ – 5	3¾ – 4
May	4½ – 6	4⅞ – 5½	4⅞ – 5½	3⅞ – 4⅛
June	5½ – 8	5½ – 6	5½ – 6	4 – 4¼
July	5 – 10	5¾ – 6	5¾ – 6	4⅛ – 4¾
August	4½ – 8	6 – 6½	6 – 6½	4⅝ – 4¾
September	6 – 9	6½ – 7½	6½ – 7½	4½ – 4⅝
October	6 – 10	6¾ – 7½	6¾ – 7½	4½ – 4⅝
November	6 – 8	6¾ – 7	6¾ – 7	4½ – 4⅝
December	6½ – 12	6¾ – 7¾	6¾ – 7¾	4½ – 4¾

[1] 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.*

Source: Call money and time loans, 1913, from the financial editors, New York Times; thereafter, The Annalist; acceptance rates, Acceptance Bulletin of the American Acceptance Council.

No. 301.—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: 60 to 90 days	Time loans: 4 to 6 months (1)	Year and week	Bankers' acceptances (90 days)	Year and week	Call money	Time loans: 60 to 90 days	Time loans: 4 to 6 months	Year and week	Bankers' acceptances (90 days)
1929				1929		1930				1930	
Jan. 5	6 -12	7½-7¾	7½-7¾	Jan. 2	4½-4¾	Jan. 4	5 - 6	4¾-5	4¾-5	Jan. 2	3⅞-4
Jan. 12	6 - 7	7½	7½	Jan. 7	4¾-5	Jan. 11	4 - 5	4½-5	4½-5	Jan. 6	3⅞-4
Jan. 19	6 - 9	7½-7¾	7½-7¾	Jan. 14	4¾-5	Jan. 18	4 - 4½	4½-4¾	4½-4¾	Jan. 13	4 -4⅛
Jan. 26	6	7½-7¾	7½-7¾	Jan. 21	5 -5⅛	Jan. 25	4 - 4½	4½-4¾	4½-4¾	Jan. 20	4 -4⅛
				Jan. 28	5 -5⅛					Jan. 27	4 -4⅛
Feb. 2	6 - 8	7½-7¾	7½-7¾	Feb. 4	5 -5⅛	Feb. 1	4 - 4½	4½-4¾	4¾-5	Feb. 3	3⅞-4
Feb. 9	6 - 9	7½-7¾	7½-7¾	Feb. 11	5 -5⅛	Feb. 8	4 - 4½	4½-4¾	4¾-5	Feb. 10	3⅞-3⅞
Feb. 16	6 -10	7½-7¾	7½-7¾	Feb. 18	5¼-5⅜	Feb. 15	4 - 4½	4½-4¾	4¾-5	Feb. 17	3⅞-3⅞
Feb. 23	6 - 8	7¾	7½-7¾	Feb. 25	5¼-5⅜	Feb. 22	4 - 4½	4½-4¾	4¾-5	Feb. 24	3⅞-3⅞
Mar. 2	6½-10	7¾	7¾	Mar. 4	5¼-5⅜	Mar. 1	4 - 4½	4½-4¾	4½-5	Mar. 3	3⅞-3⅞
Mar. 9	8 -12	7¾	7¾	Mar. 11	5¼-5⅜	Mar. 8	3½- 4	4¼-4¾	4½-4¾	Mar. 10	3⅞-3½
Mar. 16	6 - 9	7¾-8	7¾	Mar. 18	5¼-5⅜	Mar. 15	3 - 4	4 -4½	4 -4½	Mar. 17	3⅞-3¼
Mar. 23	7 -10	8	7¾-8	Mar. 25	5⅜-5¼	Mar. 22	2 - 4½	3½-4	3¾-4¼	Mar. 24	2½-2⅝
Mar. 30	8 -20	8 -8½	8			Mar. 29	3½- 4	3½-4	4 -4¼	Mar. 31	2¾-2⅞
Apr. 6	6 -15	8¾-9	8 -9	Apr. 1	5½-5⅝	Apr. 5	4	3¾-4	4 -4⅛	Apr. 7	2⅞-3
Apr. 13	7 -10	9	8½-9	Apr. 8	5½-5⅝	Apr. 12	4	4 -4¼	4¼-4½	Apr. 14	2⅞-3
Apr. 20	7½- 9	8½-9	8 -9	Apr. 15	5½-5⅝	Apr. 19	3½- 4	4 -4¼	4¼-4½	Apr. 21	3 -3⅛
Apr. 27	7½-10	8¼-8½	8 -8¼	Apr. 22	5⅜-5½	Apr. 26	3½- 4	4 -4¼	4¼-4½	Apr. 28	2⅞-3
				Apr. 29	5⅜-5½						
May 4	10 -15	8¼-8½	8 -8¼	May 6	5⅜-5½	May 3	3 - 4	4 -4¼	3¾-4¼	May 5	2⅝-2¾
May 11	6 -14	8½-9	8¼-8¾	May 13	5¼-5⅜	May 10	3 - 3½	3½-3¾	3¾-4	May 12	2½-2⅝
May 18	6 -15	9	8¾	May 20	5½-5⅝	May 17	3	3¾-3½	3¾-4	May 19	2¾-2½
May 25	6 - 7	9¼-9½	8¾-9	May 27	5½-5⅝	May 24	3	3 -3½	3½-4	May 26	2⅜-2½
						May 31	3	3 -3¼	3¼-3¾		
June 1	6	8½-9	8 -8¾	June 3	5½-5⅝	June 7	3	3 -3¼	3¼-3½	June 2	2¾-2½
June 8	6 - 7	8¼-8½	8¼-8½	June 10	5½-5⅝	June 14	2½- 3	2¾-3¼	3¼-3½	June 9	2½-2¼
June 15	7 - 8	8¼-8½	8 -8¼	June 17	5½-5⅝	June 21	2½- 3	2½-3	2¾-3	June 16	2⅛-2¼
June 22	7	8 -8¼	7¾-8¼	June 24	5½-5⅝	June 28	2 - 2½	2¼-2¾	2¾-3½	June 23	2 -2⅛
June 29	7 -10	7½-8	7½-8							June 30	1⅞-2
July 6	6 -15	7½	7½	July 1	5⅜-5½	July 5	2 - 3	2½-2¾	2¾-3	July 7	1⅞-2
July 13	7 - 9	7½	7½	July 8	5⅛-5¼	July 12	2½- 3	2½-2¾	2¾-3½	July 14	1⅞-2
July 20	7 -12	7¾-8	7¾-8	July 15	5⅛-5¼	July 19	2 - 2½	2¾-3	2¾-3½	July 21	1⅞-2
July 27	7 -10	7¾-8½	7¾-8½	July 22	5⅛-5¼	July 26	2	2½-3	3 -3½	July 28	1⅞-2
				July 29	5⅛-5¼						
											1⅞-2
Aug. 3	9 -12	8½-9	8¼-9	Aug. 5	5⅛-5¼	Aug. 2	2	2¼-2¾	2¾-3½	Aug. 4	1⅞-2
Aug. 10	7 -12	8¾-9	8¾-9	Aug. 12	5⅛-5¼	Aug. 9	2 - 2½	2¼-2¾	2¾-3½	Aug. 11	1⅞-2
Aug. 17	6 - 8	8¾-9	8¾-9	Aug. 19	5⅛-5¼	Aug. 16	2 - 2½	2¼-2¾	2¾-3½	Aug. 18	1⅞-2
Aug. 24	6 - 7	8¾-9	8¾-9	Aug. 26	5⅛-5¼	Aug. 23	2 - 2½	2¼-2¾	2¾-3½	Aug. 25	
Aug. 31	7 - 9	8¾-9	8¾-9			Aug. 30	2	2¼-2¾	2¾-3½		
Sept. 7	8 - 9	8¾-9	8¾-9	Sept. 2	5⅛-5¼	Sept. 6	2 - 2½	2¼-2¾	3 -3½	Sept. 2	1⅞-2
Sept. 14	7 -10	8¾-9	8¾-9	Sept. 9	5⅛-5¼	Sept. 13	2½	2¼-2¾	2¾-3½	Sept. 8	1⅞-2
Sept. 21	7 -10	9	8¾-9	Sept. 16	5⅛-5¼	Sept. 20	2½- 3	2¼-2¾	2¾-3½	Sept. 15	1⅞-2
Sept. 28	8 -10	9 -9¼	9 -9¼	Sept. 23	5⅛-5¼	Sept. 27	2 - 3	2 -2½	2½-3	Sept. 22	1⅞-2
				Sept. 30	5⅛-5¼					Sept. 29	1⅞-2
Oct. 5	6 -10	9 -9¼	9 -9¼	Oct. 7	5⅛-5¼	Oct. 4	1½- 2	2 -2½	2½-2¾	Oct. 6	1⅞-2
Oct. 12	5 - 6½	8 -9	8 -9	Oct. 14	5⅛-5¼	Oct. 11		2 -2½	2½-3	Oct. 14	1⅞-2
Oct. 19	5 - 7	7¼-7¾	7¼-7¾	Oct. 21	5⅛-5¼	Oct. 18		2 -2½	2¾-3	Oct. 20	1⅞-2
Oct. 26	5 - 6	6½-7½	6½-7¾	Oct. 28	4¾-4⅞	Oct. 25		2 -2½	2¾-3	Oct. 27	1⅞-2
Nov. 2	5 - 6	6 -6½	6 -6½	Nov. 4	4⅝-4¾	Nov. 1		2 -2½	2¾-3	Nov. 3	1⅞-2
Nov. 9	6	6	6	Nov. 11	4⅜-4¾	Nov. 8		2 -2½	2½-3	Nov. 10	1⅞-2
Nov. 16	5½- 6	5½-6	5½-6	Nov. 18	4 -4⅛	Nov. 15		2 -2¼	2½-2¾	Nov. 17	1⅞-2
Nov. 23	4½- 5½	5 -5¾	5 -5¾	Nov. 25	3⅞-4	Nov. 22		2 -2¼	2½-2¾	Nov. 24	1⅞-2
Nov. 30	4½-4¾	4¾-5	4¾-5			Nov. 29		2 -2¼	2¼-2¾		
Dec. 7	4½-4¾	4½-4¾	4½-4¾	Dec. 2	3⅞-4	Dec. 6	2	2 -2¼	2¼-2¾	Dec. 1	1⅞-2
Dec. 14	4½-5	4¾-5	4¾-5	Dec. 9	3⅞-4	Dec. 13	2 - 2½	2 -2¼	2¼-2¾	Dec. 8	1⅞-2
Dec. 21	4½- 5	4¾-5	4¾-5	Dec. 16	3⅞-4	Dec. 20	2 - 2½	2 -2½	2½-3	Dec. 15	1⅞-2
Dec. 28	5 - 6	4¾-5	4¾-5	Dec. 23	3⅞-4	Dec. 27	2 - 2½	2¼-2½	2½-3	Dec. 22	1⅞-2
				Dec. 30	4 -4⅛					Dec. 28	1⅞-2

[1] 6 months prior to and including week ended July 27, 1929.

Sources: Call and time rates from The Annalist, acceptance rates from Acceptance Bulletin of the American Acceptance Council.

No. 302.—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	Total assets [1]	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	40,810
1895	555	70,225	347,564	118,228	161,447	175,750	89,213	14,606	54,203
1900	493	73,151	413,027	162,658	182,131	198,313	108,307	16,029	65,861
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
1912	595	96,944	774,985	236,969	367,470	406,326	188,082	31,640	135,517
1913	605	105,196	792,313	285,504	381,037	416,975	202,695	33,460	141,821
1914	596	105,670	815,747	284,523	396,550	430,373	224,040	30,957	143,339
1915	613	107,675	873,945	321,014	419,361	459,361	221,701	26,509	157,730
1916	608	118,094	965,859	345,561	493,936	535,753	244,813	39,742	172,207
1917	636	126,880	1,077,952	399,574	614,647	681,922	293,842	42,477	203,818
1918	630	131,221	1,189,795	378,216	716,980	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	1,500,141	464,565	995,295	1,073,625	451,470	63,815	371,479
1921	802	184,584	1,502,351	501,337	832,906	915,921	514,755	64,959	343,209
1922	754	206,367	1,627,345	550,057	851,257	939,568	477,116	73,924	337,590
1923	703	211,165	1,782,383	561,658	878,907	1,002,175	504,795	78,487	380,106
1924	801	232,408	1,913,477	629,252	970,806	1,070,748	524,302	76,652	390,128
1925	854	269,283	2,092,490	700,462	1,050,676	1,188,087	550,931	81,430	419,427
1926	860	278,498	2,248,197	733,959	1,110,895	1,228,390	581,234	92,897	448,035
1927	870	315,689	2,503,063	908,495	1,108,434	1,259,386	544,254	99,230	448,983
1928	886	385,031	2,807,332	1,124,478	1,131,956	1,371,928	531,536	107,393	469,429
1929	931	441,445	3,084,057	1,235,047	1,179,632	1,438,222	541,801	118,648	506,242

Calendar year	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
1912	[2] 26	4,157	4,424	1,992	4,101	371,627	410,760	190,073	359,339
1913	[2] 40	4,331	4,623	2,102	4,122	385,368	421,599	204,797	382,098
1914	37	9,425	9,860	3,575	7,706	405,975	440,733	228,215	406,641
1915	45	12,003	12,634	4,470	9,609	431,365	471,996	226,171	415,549
1916	[2] 54	13,076	13,746	5,653	11,247	507,012	549,499	250,466	468,008
1917	56	13,642	14,003	5,868	11,326	628,289	695,924	299,710	551,464
1918	95	[3] 20,874	[4] 21,636	[5] 10,470	[5] 18,174	737,854	794,376	346,391	646,863
1919	[2] 105	23,067	24,146	8,739	18,909	833,948	908,312	344,308	702,357
1920	[2] 137	24,946	29,164	10,403	20,481	1,020,242	1,102,789	461,873	907,245
1921	[2] 121	28,864	32,777	13,921	29,073	861,770	948,699	528,675	951,997
1922	[2] 125	30,056	32,537	13,282	29,070	881,313	972,106	490,398	917,700
1923	[2] 116	35,715	37,831	14,809	33,210	914,622	1,040,007	519,603	996,598
1924	[2] 140	46,706	50,708	21,858	44,037	1,017,512	1,121,517	546,160	1,035,110
1925	[2] 134	43,370	45,120	21,110	42,474	1,094,046	1,233,207	581,041	1,103,262
1926	[2] 121	45,366	49,085	22,274	43,141	1,156,261	1,227,485	603,507	1,165,206
1927	[2] 111	46,489	50,085	22,385	44,233	1,154,922	1,309,471	566,639	1,136,700
1928	[2] 110	51,218	58,262	22,783	47,905	1,183,174	1,430,189	554,318	1,156,264
1929	104	47,798	55,194	22,127	46,736	1,227,429	1,493,416	563,928	1,213,428

[1] Exclusive of premium notes.
[2] Figures for 1912 cover the business of 24 associations; 1913, 30; 1916, 47; 1919, 95; 1920, 101; 1921, 108; 1922, 105; 1923, 108; 1924, 133; 1925, 110; 1926, 115; 1927, 106; and 1928, 108.
[3] Premiums of 84 associations.
[4] Income of 88 associations.
[5] Losses paid and total disbursements of 89 associations.

Source: Insurance Yearbook of the Spectator Co., New York City.

No. 303.—FIRE INSURANCE: Outstanding Risks, Continental United States and Outlying Territories and Possessions, December 31

Note.—Covers transactions of members of the National Board of Fire Underwriters, both United States and foreign companies. Fire and lightning risks only beginning with 1918; in previous years marine risks are also included

[Amount covered and premiums charged in millions and tenths of millions of dollars]

Year or yearly average	Number of companies	Amount covered	Premiums charged [1]	Rate on $100	Year	Number of companies	Amount covered	Premiums charged [1]	Rate on $100
1877–1880	171	6,393.8	61.5	$0.9623	1919	159	75,163.8	709.5	$1.0118
1881–1890	152	10,992.8	113.7	1.0347	1920	169	85,970.2	846.3	.9844
1891–1900	140	18,368.0	190.5	1.0373	1921	175	93,715.3	916.6	.9780
1901–1910	156	31,023.7	354.9	1.1116	1922	174	96,283.3	936.4	.9726
1911–1920	181	62,275.8	629.0	1.0101	1923	184	105,927.5	1,017.0	.9601
					1924	197	115,683.4	1,092.0	.9440
1914	191	56,012.9	570.7	1.0189	1925	210	128,255.2	1,189.9	.9277
1915	193	58,867.1	588.7	1.0000	1926	210	137,739.9	1,257.9	.9132
1916	199	63,355.3	628.2	.9915	1927	213	144,777.2	1,305.3	.9016
1917	197	72,331.7	698.3	.9654	1928	234	149,766.3	1,333.4	.8903
1918	154	63,083.1	638.1	1.0115	1929	246	153,902.4	1,353.2	.8792

[1] Gross less reinsurance.

Source Insurance Yearbook of the Spectator Co., New York City.

No. 304.—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	1924	1925	1926	1927	1928	1929
Number of companies, total	169	197	210	210	213	234	246
United States companies	124	152	165	168	173	192	204
Foreign companies	45	45	45	42	40	42	42
Gross insurance written	100,194.7	118,398.0	140,496.9	142,968.8	139,958.8	141,550.0	155,437.6
United States companies	71,409.1	92,323.8	113,406.1	114,053.3	114,026.0	116,675.8	129,417.7
Foreign companies	28,785.6	26,074.3	27,090.8	28,915.5	25,932.9	24,874.2	26,019.9
Gross premiums charged	963.6	1,056.3	1,226.0	1,233.1	1,205.6	1,180.6	1,244.8
Net premiums written	533.9	595.9	644.3	679.0	639.8	630.5	655.9
Net premiums earned	450.9	571.3	599.0	634.5	627.6	640.0	645.6
Net losses paid	226.0	325.8	351.1	351.6	298.7	301.3	300.7
Net losses incurred	246.1	343.7	354.1	352.9	295.7	298.3	300.0
Net expenses	219.5	263.2	281.2	301.5	283.3	296.1	306.9
Agents' compensation	121.0	149.0	161.5	172.1	163.3	163.8	168.8
Taxes	27.6	20.3	20.1	21.2	20.8	24.8	30.5
Average annual rate of premium per $100 insurance	$0.9617	$0.8922	$0.8726	$0.8625	$0.8600	$0.8340	$0.8008
Per cent of—							
Net losses incurred to net premiums earned	54.6	60.2	59.1	55.6	47.1	46.6	46.5
Net losses incurred to net premiums written	46.1	57.7	55.0	52.0	46.2	46.6	45.7
Net expenses to net premiums earned	48.7	46.1	46.9	47.5	45.9	46.3	47.5
Net expenses to net premiums written	41.1	44.2	43.6	44.4	45.1	46.3	46.8
Agents' compensation to net premiums written	22.7	25.0	25.1	25.3	25.5	25.6	25.7
Taxes to net premiums written	5.2	3.4	3.1	3.1	3.2	3.9	4.7

Source: Insurance Yearbook of the Spectator Co., New York, N. Y.

No. 305.—FIRES IN CITIES OF 100,000 OR MORE INHABITANTS:[1] 1929

NOTE.—Losses are as reported by the chiefs of fire departments, estimated in many cases

[Amounts, except per capita, in thousands of dollars]

City and State	Number of fires	Total loss (insured and uninsured)	Insurance loss	Loss per capita[2]
Alabama: Birmingham	1,849	842	764	$3.32
California:				
Long Beach	720	103	93	.76
Los Angeles	9,337	3,568	----	2.99
Oakland	2,866	450	387	1.61
San Diego	1,184	89	79	.62
San Francisco	7,749	----	----	----
Colorado: Denver	2,129	593	499	2.08
Connecticut:				
Bridgeport	1,044	126	99	.86
Hartford	1,105	385	370	2.38
New Haven	1,720	537	525	3.30
Waterbury	867	259	237	2.60
Delaware: Wilmington	676	170	----	1.59
Dist. of Columbia, Washington	4,147	1,165	985	2.39
Florida:				
Jacksonville	1,085	204	157	1.59
Miami	868	134	102	1.16
Tampa	835	278	249	2.81
Georgia: Atlanta	2,113	728	646	2.73
Illinois:				
Chicago	23,771	15,964	12,670	4.80
Peoria	762	375	370	3.65
Indiana:				
Evansville	781	162	----	1.61
Fort Wayne	1,156	266	262	2.35
Gary	782	222	190	2.28
Indianapolis	3,303	1,327	1,224	3.68
South Bend	1,052	307	303	3.02
Iowa: Des Moines	1,604	790	753	5.59
Kansas:				
Kansas City	1,364	180	163	1.48
Wichita	1,151	283	261	2.61
Kentucky: Louisville	2,305	776	689	2.52
Louisiana: New Orleans	1,869	702	----	1.55
Maryland: Baltimore	6,069	1,496	1,379	1.87
Massachusetts:				
Boston	6,559	4,179	3,796	5.37
Cambridge	1,161	412	394	3.64
Fall River	873	158	155	1.36
Lowell	1,400	199	198	1.96
Lynn	1,604	401	401	3.93
New Bedford	627	131	----	1.16
Somerville	803	234	----	2.27
Springfield	1,215	325	318	2.19
Worcester	2,562	1,059	1,048	5.45
Michigan:				
Detroit	11,104	4,155	----	2.74
Flint	1,297	227	207	1.49
Grand Rapids	1,317	187	178	1.12
Minnesota:				
Duluth	889	382	375	3.78
Minneapolis	4,147	1,259	1,176	2.74
St. Paul	2,456	920	904	3.42
Missouri:				
Kansas City	3,960	1,532	1,470	3.89
St. Louis	6,020	1,984	1,838	2.42
Nebraska: Omaha	2,304	1,155	1,111	5.44
New Jersey:				
Elizabeth	625	----	429	$3.79
Jersey City	1,565	169	145	.54
Newark	3,060	1,327	1,253	3.01
Paterson	887	669	651	4.84
Trenton	722	290	286	2.36
New York:				
Albany	1,478	----	407	3.22
Buffalo	2,054	2,564	----	4.51
New York City—Manhattan, Bronx, and Richmond	16,107	9,752	----	2.97
Brooklyn and Queens	13,616	7,242	----	2.04
Rochester	1,847	596	----	1.83
Syracuse	1,263	328	327	1.58
Utica	539	----	429	4.23
Yonkers	970	306	285	2.31
Ohio:				
Akron	1,379	574	542	2.26
Canton	493	208	207	2.00
Cincinnati	2,352	918	847	2.05
Cleveland	5,369	3,079	2,933	3.45
Columbus	1,771	352	289	1.22
Dayton	1,383	208	200	1.05
Toledo	2,004	1,052	1,004	3.65
Youngstown	1,058	370	337	2.41
Oklahoma:				
Oklahoma City	2,037	659	273	3.69
Tulsa	1,891	120	----	.94
Oregon: Portland	2,364	912	871	3.05
Pennsylvania:				
Erie	734	81	----	.70
Philadelphia	7,252	5,616	5,096	2.89
Pittsburgh	3,825	1,461	----	2.19
Reading	299	512	----	4.62
Scranton	748	523	514	3.66
Rhode Island: Providence	2,453	946	814	3.76
Tennessee:				
Chattanooga	745	267	242	3.39
Knoxville	851	142	137	1.37
Memphis	2,481	779	643	3.79
Nashville	1,799	1,238	997	8.09
Texas:				
Dallas	3,136	1,460	1,309	5.75
El Paso	593	356	336	3.53
Fort Worth	2,518	1,552	1,511	9.62
Houston	3,187	788	720	2.78
San Antonio	1,561	172	153	.76
Utah: Salt Lake City	995	230	153	1.66
Virginia:				
Norfolk	1,579	412	400	3.15
Richmond	1,653	368	360	2.02
Washington:				
Seattle	2,982	999	994	2.76
Spokane	1,394	778	734	6.76
Tacoma	1,411	235	141	2.21
Wisconsin: Milwaukee	3,758	1,369	1,292	2.40
Hawaii Territory: Honolulu	394	381	345	2.85
Philippine Islands: Manila	177	678	----	2.39

[1] Cities of 100,000 or more as reported by the Bureau of the Census. Fire losses not available for Camden, N. J.

[2] Per capita figures are based on total loss where available, otherwise on insurance loss. Figures, except for Manila, were computed by the Bureau of Foreign and Domestic Commerce, using revised estimates of population as of July 1 from the Bureau of the Census.

Source: Report of Committee on Statistics and Origin of Fires, National Board of Fire Underwriters, except as noted.

No. 306.—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 per cent 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 per cent for unreported and uninsured losses

Year	Loss	Year	Loss	Year	Loss	Year	Loss
1880	74,643	1893	167,544	1906	518,612	1919	320,540
1881	81,281	1894	140,006	1907	215,085	1920	447,887
1882	84,505	1895	142,110	1908	217,886	1921	495,406
1883	100,149	1896	118,737	1909	188,705	1922	506,541
1884	110,009	1897	116,355	1910	214,003	1923	535,373
1885	102,819	1898	130,594	1911	217,005	1924	549,062
1886	104,925	1899	153,598	1912	200,439	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	258,378	1929	459,446
1891	143,705	1904	229,198	1917	289,535	1930	499,739
1892	151,516	1905	165,222	1918	353,879		

Year	Cities reporting actual loss				Total United States		
	Number of cities	Population (thousands)	Actual reported loss, total	Loss per capita	Population (thousands) [1]	Estimated loss	Loss per capita [1]
1921	370	40,325	141,406	3.51	108,208	495,406	$4.58
1922	366	40,758	147,096	3.61	109,873	506,541	4.61
1923	372	42,047	147,102	3.42	111,537	535,373	4.80
1924	366	43,376	146,223	3.37	113,202	549,062	4.85
1925	370	45,207	160,012	3.53	114,867	559,418	4.87
1926	377	53,244	178,179	3.35	116,532	561,981	4.82
1927	406	51,292	144,619	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	3.90
1930	454	50,206	150,981	3.01	123,191	499,739	4.06

[1] Population figures are revised estimates by the Bureau of the Census. Per capita loss is based on these estimates.

Source: Committee on Statistics, National Board of Fire Underwriters.

No. 307.—LIFE INSURANCE: OPERATIONS OF ALL COMPANIES OF THE UNITED STATES, FROM ORGANIZATION TO JANUARY 1, 1930

NOTE.—Figures include domestic and foreign business of United States companies, but do not include operations of the Veterans' Bureau. (See pp. 163 to 168)

[All figures, except number of policies, in thousands of dollars]

	Total	Ordinary companies	Industrial companies
Total insurance issued since organization:			
Number of policies (thousands)	344,609	[1] 70,404	[2] 274,205
Amount	212,298,502	[1] 163,169,620	[2] 49,128,881
Insurance in force Jan. 1, 1930:			
Number of policies (thousands)	120,754	[1] 31,339	[2] 89,415
Amount	103,146,440	[1] 85,244,444	[2] 17,901,997
Receipts since organization, total	48,684,944	33,711,414	14,973,530
Premium and annuity	37,907,040	25,407,799	12,499,242
Interest, rents, etc	10,777,903	8,303,615	2,474,288
Payments to policyholders since organization, total	22,077,047	16,749,332	5,327,714
Death claims	9,940,101	7,083,388	2,856,713
Endowments and annuities [3]	2,777,583	2,213,908	563,675
Purchased policies, surrender values	4,188,989	3,336,427	852,562
Dividends to policyholders	5,170,373	4,115,608	1,054,765
Admitted assets, Jan. 1, 1930	17,482,309	11,230,010	6,252,299
Capital, apportioned funds, and surplus, Jan. 1, 1930	1,767,040	1,222,728	544,312

[1] Includes group business and ordinary and group business of industrial companies.
[2] Industrial business only.
[3] Includes disability and double indemnity.

Source: The Insurance Yearbook of the Spectator Co., New York, N. Y.

No. 308.—LIFE INSURANCE: Summary of Financial Condition and Policy Account of All Companies of the United States

NOTE.—See headnote, Table 307

[All figures, except number of policies, in millions of dollars]

Year	Assets (admitted) Dec. 31	Liabilities,[1] Dec. 31	Total income	Payments to policyholders	Insurance written and paid for during year		Policies in force Dec. 31				
							Number (thousands)		Amount		
					Ordinary[2]	Industrial	Ordinary[2]	Industrial	Total	Ordinary[2]	Industrial
1850							29		69	69	
1860							60		180	180	
1870							839		2,263	2,263	
1880	453		81	50			686	237	1,602	1,582	21
1890	771	679	197	90	742	242	1,320	3,883	4,050	3,621	429
1900	1,742	1,493	401	169	1,280	566	3,176	11,219	8,561	7,093	1,468
1902	2,092	1,798	505	200	1,564	612	4,160	13,448	10,505	8,699	1,807
1903	2,265	1,979	554	226	1,727	597	4,694	14,607	11,547	9,569	1,978
1904	2,499	2,168	599	247	1,796	613	5,508	15,674	12,548	10,412	2,136
1905	2,706	2,373	642	265	1,726	661	5,621	16,873	13,364	11,054	2,310
1906	2,924	2,557	667	287	1,451	631	5,793	17,841	13,707	11,253	2,454
1907	3,053	2,736	679	310	1,345	576	5,943	18,844	14,063	11,486	2,577
1908	3,360	2,930	704	336	1,469	594	6,165	19,688	14,519	11,850	2,669
1909	3,644	3,170	748	361	1,656	793	6,555	21,552	15,420	12,452	2,968
1910	3,876	3,386	781	387	1,822	735	6,904	23,034	16,404	13,227	3,177
1911	4,164	3,646	836	414	2,097	775	7,669	24,713	18,003	14,578	3,424
1912	4,400	3,880	893	449	2,240	842	8,159	26,606	19,265	15,556	3,709
1913	4,659	4,136	946	470	2,550	850	8,775	29,432	20,564	16,587	3,977
1914	4,935	4,365	985	509	2,457	858	9,045	31,159	21,589	17,426	4,164
1915	5,190	4,938	1,043	545	2,621	974	9,890	33,142	22,784	18,340	4,435
1916	5,537	5,253	1,118	566	3,213	999	10,698	35,675	24,679	19,868	4,811
1917	5,941	5,634	1,249	590	3,840	1,051	11,582	38,764	27,189	21,966	5,223
1918	6,475	6,202	1,325	710	3,988	1,143	12,768	41,852	29,870	24,167	5,703
1919	6,759	6,432	1,560	739	7,010	1,305	15,716	51,295	35,880	29,273	6,607
1920	7,320	6,989	1,764	745	8,490	1,615	16,695	49,805	42,281	35,092	7,190
1921	7,936	7,548	1,951	838	6,787	1,943	17,685	54,097	45,983	37,977	8,006
1922	8,552	8,124	2,149	973	7,506	2,268	18,814	58,283	50,291	41,404	8,887
1923	9,455	8,902	2,427	1,088	9,455	2,615	20,534	63,401	56,804	46,696	10,107
1924	10,394	9,799	2,703	1,174	10,152	3,043	22,092	68,248	63,780	52,436	11,344
1925	11,538	10,867	3,018	1,243	11,817	3,656	23,894	73,736	71,690	58,866	12,824
1926	12,940	12,177	3,330	1,373	12,413	4,048	25,501	77,965	79,044	65,457	14,187
1927	14,392	13,539	3,673	1,500	12,671	4,465	27,146	82,246	87,022	71,474	15,548
1928	15,961	15,043	4,088	1,669	14,188	4,505	29,151	86,844	95,206	78,521	16,686
1929	17,482	16,507	4,337	1,962	14,529	3,738	31,339	89,415	103,146	85,244	17,902

[1] Not including unapportioned surplus and capital and prior to 1915 also apportioned surplus. For amount of latter item in 1915 and recent years see Table 309.

[2] 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. 309.—LIFE INSURANCE: Financial Condition and Business of All Companies of the United States

NOTE.—All money figures in thousands of dollars. See headnote, Table 307

	1900	1910	1915	1920	1925	1928	1929
Number of companies	76	214	238	272	308	331	353
Capital stock, Dec. 31	12,832	40,545	52,545	06,905	105,707	149,471	163,826
Income, total	490,603	781,011	1,043,083	1,784,213	3,017,800	4,087,933	4,336,738
Premium income, total	324,724	593,388	784,318	1,364,939	2,383,913	3,145,585	3,350,367
New premiums[1]	62,270	70,180	92,441	274,478	340,566	378,632	390,569
Renewed[1]	250,142	517,536	683,991	1,099,740	1,999,480	2,658,723	2,860,638
Annuities	6,306	5,672	7,886	10,721	43,867	108,230	99,170
Interest and other income, total	75,879	187,623	258,765	379,274	633,887	942,348	986,371
Interest, dividends, etc	64,949	160,514	229,659	324,372	527,577	712,672	788,355
Rents	8,225	10,310	10,941	16,312	23,125	30,135	34,773
Other	2,706	16,799	18,165	28,592	83,185	199,541	163,240

[1] Includes disability and double indemnity receipts and payments.

No. 309.—Life Insurance: Financial Condition and Business of All Companies of the United States—Continued

	1900	1910	1915	1920	1925	1928	1929
Expenditures, total	287,580	540,342	768,506	1,198,366	1,936,422	2,547,913	2,882,260
Paid to policyholders	168,688	387,302	544,705	744,649	1,242,974	1,698,735	1,961,507
Death losses	100,721	180,654	237,391	349,964	493,391	705,924	807,805
Matured endowments	18,335	46,349	63,383	101,181	114,473	89,866	108,763
Annuities [1]	4,122	7,426	8,860	16,897	38,531	67,911	83,782
Surrendered policies, etc.	22,650	77,518	123,790	119,061	248,625	369,210	447,951
Dividends	22,860	75,354	111,275	157,547	351,150	465,824	513,205
Other expenditures	98,892	153,040	223,801	453,717	693,448	849,178	920,753
To agents, commissions, salaries, traveling expenses	61,282	87,629	115,329	257,822	399,490	466,033	499,405
Medical fees, salaries, other employee costs	13,034	26,037	34,312	61,566	99,233	116,779	127,050
Dividends to stockholders	1,028	2,140	3,293	5,308	14,500	21,120	22,260
Other	23,548	37,235	70,868	129,021	180,216	243,247	272,039
Admitted assets, Dec. 31, total	1,742,414	3,875,877	5,190,310	7,319,997	11,537,615	15,961,094	17,482,309
Real estate	158,119	172,961	173,367	172,011	265,938	402,550	463,864
Real estate mortgages	501,499	1,227,232	1,779,270	2,174,863	4,799,216	6,760,792	7,297,309
Stocks owned	794,632	129,622	81,056	51,356	81,462	232,878	356,343
Bonds owned	7,191	1,659,845	2,094,688	3,588,728	4,331,288	5,577,192	5,923,889
Collateral loans	64,489	18,941	16,729	41,301	20,416	32,912	31,605
Premium notes and loans	88,501	495,100	779,159	858,915	1,445,507	2,000,138	2,379,360
Net deferred and unpaid premiums	33,269	50,956	73,475	130,923	251,848	357,440	399,471
Cash in office and bank	75,440	71,113	114,285	124,747	124,252	140,858	146,994
Other	19,276	50,107	78,272	177,152	217,687	456,333	483,473
Asset items not admitted	12,249	25,186	31,507	77,424	119,178	122,174	[2] 56,219
Liabilities, Dec. 31, total	1,493,379	3,590,978	4,988,028	6,989,309	10,867,475	15,042,582	16,507,252
Reserve	1,443,452	3,225,966	4,398,894	6,337,970	9,926,515	13,595,738	14,948,162
Losses, etc., unpaid	9,863	17,072	29,588	43,116	64,268	101,701	112,856
Claims resisted	990	1,779	2,569	2,475	5,413	8,213	9,791
Dividends unpaid and left to accumulate	3,598	5,533	20,654	53,048	134,272	219,295	267,235
Surplus apportioned	([3])	279,614	411,887	412,339	563,793	755,753	801,063
Other	35,466	61,014	74,436	140,361	173,213	361,883	368,146
Surplus (including capital)	[3]249,035	210,440	252,283	330,688	670,140	918,511	975,056
Total surplus funds	249,035	490,054	664,170	743,027	1,233,933	1,674,264	1,757,040
POLICY ACCOUNT—AMOUNTS							
New business written and paid for, total	1,646,267	2,557,053	3,594,897	10,105,445	15,472,900	18,673,575	18,267,332
Ordinary [4]	1,280,265	1,822,260	2,621,014	8,489,971	10,653,128	12,257,462	12,957,512
Group					1,253,619	1,910,639	1,571,646
Industrial	566,002	734,793	973,883	1,615,474	3,656,253	4,505,474	3,738,174
In force Dec. 31, total	8,561,249	16,404,261	22,784,191	42,281,391	71,689,749	95,206,315	103,143,440
Ordinary, total [4]	7,093,220	13,227,213	18,349,285	35,091,538	54,566,797	70,436,444	78,122,966
Whole life	4,790,345	8,811,743	12,425,471	25,583,423	39,299,872	51,110,358	55,057,992
Endowment	1,664,450	3,043,689	3,656,723	6,975,433	9,636,968	12,361,052	13,489,394
Other	638,425	1,371,782	2,267,092	2,532,683	5,629,957	7,015,034	7,575,610
Group					4,299,271	8,034,290	9,121,448
Industrial	1,468,028	3,177,048	4,434,906	7,189,852	12,823,681	16,685,581	17,901,997
NUMBER OF POLICIES (thousands)							
Written during year, total	4,671	6,002	8,464	13,249	20,325	23,861	24,244
Ordinary [4]	729	993	1,495	3,924	3,897	4,921	5,311
Group					3	3	8
Industrial	3,942	5,009	6,968	9,325	16,425	18,937	18,925
In force Dec. 31, total	14,395	29,999	43,032	66,499	97,029	114,995	120,754
Ordinary [4]	3,176	6,964	9,890	16,695	23,882	29,134	31,311
Group					12	17	27
Industrial	11,219	23,034	33,142	49,805	73,736	85,844	89,415

[1] Includes disability and double indemnity receipts and payments.
[2] This amount for the first time, does not include loading on deferred and uncollected premiums.
[3] "Surplus apportioned" included in "Surplus, including capital."
[4] Includes "Group" prior to 1925.

Source: The Insurance Yearbook of the Spectator Co., New York, N. Y.

No. 310.—LIFE INSURANCE: ORDINARY AND INDUSTRIAL INSURANCE WRITTEN, BY STATES

NOTE.—Totals in this table and No. 311 do not agree with totals in Tables 307 to 309 because of differences in the reports from which they are compiled as furnished by the companies to the various insurance departments, and because of duplications from reinsurance. The former also cover business transacted in continental United States only, while the latter include also foreign business of United States companies

[All figures in thousands of dollars]

Division and State	Ordinary [1]				Industrial			
	1926	1927	1928	1929	1926	1927	1928	1929
Continental United States [2]	13,260,647	13,931,624	15,110,340	16,752,792	3,980,317	4,239,308	4,397,668	4,685,694
New England	866,943	898,947	948,175	1,032,858	365,635	373,539	396,770	424,866
Maine	60,703	59,320	64,915	64,728	23,773	22,587	23,938	26,188
New Hampshire	37,771	37,323	43,348	39,749	15,029	16,032	16,420	18,355
Vermont	27,242	28,791	31,277	30,787	8,910	8,234	9,305	10,205
Massachusetts	460,157	486,342	499,049	547,035	207,668	212,683	224,215	241,132
Rhode Island	69,015	71,263	72,775	91,540	37,992	38,842	42,635	44,697
Connecticut	212,055	215,909	236,812	259,013	72,263	75,160	80,258	84,289
Middle Atlantic	3,854,858	3,973,677	4,419,214	4,746,027	1,243,784	1,345,481	1,356,580	1,394,232
New York	2,222,306	2,351,724	2,604,822	2,816,866	619,362	672,713	688,017	698,703
New Jersey	433,834	476,722	589,214	631,295	197,125	221,616	229,888	239,386
Pennsylvania	1,198,718	1,145,231	1,225,179	1,297,866	427,297	451,152	438,675	456,078
East North Central	3,350,792	3,454,253	3,851,485	4,527,839	883,904	907,700	931,812	1,049,755
Ohio	811,525	873,557	948,876	1,042,770	314,018	320,840	321,041	349,093
Indiana	333,911	361,167	446,832	457,947	156,325	146,422	145,520	167,998
Illinois	1,181,986	1,200,930	1,090,907	1,498,384	232,009	252,379	282,314	306,326
Michigan	760,835	748,108	1,065,034	1,205,071	136,604	139,176	132,511	172,382
Wisconsin	262,535	270,491	299,836	323,667	45,038	48,884	50,426	53,356
West North Central	1,310,861	1,428,644	1,442,819	1,666,800	262,077	273,647	256,405	275,009
Minnesota	275,661	261,075	276,505	313,498	29,857	30,323	31,889	32,271
Iowa	238,208	237,358	254,339	263,303	22,465	24,351	24,797	26,715
Missouri	394,590	404,672	465,777	494,454	162,101	172,204	156,004	152,949
North Dakota	43,835	47,230	50,222	43,193	7	8	10	8
South Dakota	42,533	44,228	43,840	49,270	11	14	10	10
Nebraska	141,038	154,588	167,388	167,793	11,493	12,343	12,201	13,090
Kansas	174,996	189,492	185,748	345,289	36,133	34,404	31,494	49,966
South Atlantic	1,152,784	1,219,214	1,199,422	1,379,000	559,849	612,871	690,235	769,238
Delaware	40,537	49,045	50,649	64,634	11,591	13,057	13,539	14,208
Maryland	163,458	164,109	174,313	186,651	96,061	97,141	102,459	109,169
Dist. of Columbia	76,244	85,585	111,728	101,001	33,298	37,196	38,540	41,616
Virginia	140,073	153,088	152,828	177,477	88,716	101,968	105,798	110,508
West Virginia	125,882	127,254	127,587	176,351	35,551	36,822	33,410	42,161
North Carolina	172,405	198,629	173,852	199,387	88,277	99,224	117,268	124,437
South Carolina	81,160	90,613	99,723	107,570	59,952	78,573	87,296	101,160
Georgia	161,799	210,810	188,778	248,655	81,532	110,211	119,328	137,000
Florida	191,231	139,181	110,964	117,274	64,871	38,679	72,591	82,919
East South Central	572,374	629,994	628,779	713,891	286,564	294,369	317,033	329,218
Kentucky	152,593	184,141	155,445	183,357	93,738	88,232	88,767	88,207
Tennessee	185,663	213,884	235,526	258,392	106,366	115,647	131,454	137,360
Alabama	151,871	155,228	150,728	185,244	64,705	69,786	76,376	78,267
Mississippi	82,247	76,741	81,080	86,898	21,695	20,705	20,435	25,384
West South Central	852,789	926,660	1,027,966	1,115,844	201,552	232,782	245,348	245,961
Arkansas	111,572	117,393	121,534	120,375	12,291	27,687	25,841	25,302
Louisiana	117,220	129,292	127,742	146,691	45,112	44,406	43,124	47,226
Oklahoma	184,744	202,429	217,744	245,135	29,147	30,437	33,068	30,113
Texas	439,253	477,541	560,945	603,643	115,002	130,252	137,315	143,315
Mountain	317,375	342,516	381,626	395,390	27,529	28,774	27,167	27,392
Montana	38,643	38,177	40,161	44,384	3,148	2,853	2,498	2,857
Idaho	33,647	31,159	44,660	38,608	1,405	1,593	1,330	1,370
Wyoming	22,891	18,475	21,316	20,741	16	19	21	15
Colorado	133,021	155,167	153,573	139,672	16,432	17,636	16,934	16,466
New Mexico	12,973	15,307	19,292	19,809	64	96	89	140
Arizona	21,423	23,424	29,134	32,050	29	201	320	752
Utah	48,973	54,067	65,117	60,870	6,421	6,360	5,956	5,779
Nevada	5,804	6,741	8,367	9,256	14	16	19	13
Pacific	972,407	1,040,893	1,203,342	1,190,953	149,305	170,115	176,316	170,023
Washington	170,942	180,313	254,902	205,435	20,598	21,712	26,595	21,776
Oregon	100,289	102,959	116,455	125,618	7,950	8,697	9,622	9,571
California	695,176	757,622	831,984	859,900	120,757	139,701	140,099	138,676

[1] Includes group insurance.
[2] Totals, except industrial for 1928 and 1929, include small amounts not distributed by States.
Source: Insurance Yearbook of the Spectator Co., New York, N. Y.

No. 311.—LIFE INSURANCE: ORDINARY AND INDUSTRIAL INSURANCE IN FORCE, BY STATES

NOTE.—See headnote, Table 310

[All figures in millions and tenths of millions of dollars]

Division and State	Ordinary [1]				Industrial			
	1910	1920	1928	1929	1910	1920	1928	1929
Continental United States [2]	11,337.0	33,543.0	77,498.4	84,827.3	2,782.0	6,935.8	16,156.0	17,350.6
New England	1,026.3	2,651.2	5,658.5	6,151.3	432.4	894.5	1,915.2	2,052.7
Maine	85.8	200.5	408.7	436.6	16.5	42.4	100.5	107.3
New Hampshire	53.0	119.3	251.5	270.1	14.4	30.6	78.4	84.8
Vermont	57.6	109.9	203.3	239.7	7.0	16.5	41.7	45.3
Massachusetts	592.7	1,500.0	3,039.8	3,286.9	257.3	522.6	1,063.0	1,136.1
Rhode Island	77.2	221.3	467.9	510.6	52.6	102.3	212.4	226.5
Connecticut	160.0	500.3	1,287.4	1,407.4	84.5	180.0	419.2	451.9
Middle Atlantic	3,326.0	9,122.4	23,337.7	25,881.5	1,172.5	2,799.1	6,481.7	6,929.0
New York	1,865.2	5,196.4	13,758.5	15,102.7	705.1	1,342.6	3,330.5	3,570.7
New Jersey	350.9	1,024.9	2,758.5	3,056.2	----------	517.6	1,155.3	1,242.0
Pennsylvania	1,110.0	2,901.1	6,820.8	7,512.6	467.4	938.9	1,995.9	2,116.3
East North Central	2,390.7	7,400.9	18,520.3	20,276.0	569.9	1,491.9	3,516.7	3,812.7
Ohio	681.3	2,063.2	4,900.4	5,328.4	197.1	516.1	1,159.3	1,250.1
Indiana	322.9	847.9	1,847.8	2,044.4	95.8	232.9	510.2	548.9
Illinois	917.0	2,674.7	6,713.2	7,347.7	193.7	469.5	1,085.0	1,175.7
Michigan	303.9	1,110.2	3,367.1	3,698.3	47.8	159.4	497.2	550.5
Wisconsin	165.7	705.0	1,691.9	1,857.2	35.6	103.9	264.9	287.5
West North Central	1,405.7	4,410.1	8,446.2	9,271.6	163.0	420.0	918.4	976.5
Minnesota	292.3	790.6	1,669.8	1,809.2	16.8	52.1	138.0	149.1
Iowa	298.5	922.0	1,548.0	1,602.3	----------	46.9	100.0	109.2
Missouri	425.5	1,206.6	2,486.1	2,686.5	122.4	254.1	519.8	547.4
North Dakota	56.3	220.9	273.0	283.7	----------	.1	.2	.2
South Dakota	67.7	236.4	283.0	300.0	----------	.2	.2	.2
Nebraska	149.4	540.9	883.4	940.5	3.8	19.9	45.3	49.0
Kansas	145.1	492.8	1,302.9	1,589.5	20.0	46.6	114.0	121.4
South Atlantic	1,139.6	3,223.9	6,527.1	6,979.5	248.9	627.6	1,527.6	1,642.0
Delaware	22.0	104.4	236.1	272.8	17.2	32.1	59.4	62.9
Maryland	177.7	454.4	1,001.4	1,074.6	97.4	197.4	371.8	396.9
Dist. of Columbia	70.5	173.9	468.7	525.5	33.2	34.9	110.7	118.4
Virginia	163.7	520.1	667.3	1,033.6	39.3	101.1	228.5	243.0
West Virginia	94.7	298.3	675.3	742.0	15.0	51.6	104.0	113.3
North Carolina	143.9	502.9	1,039.3	1,091.9	22.2	75.7	205.6	215.6
South Carolina	127.3	363.0	505.1	533.6	----------	50.6	137.7	155.4
Georgia	263.0	625.6	1,041.7	1,103.6	24.7	73.5	204.3	221.7
Florida	66.9	180.8	502.2	601.9	----------	10.8	105.1	114.8
East South Central	674.5	1,607.9	3,322.3	3,687.2	109.7	291.1	623.9	658.6
Kentucky	228.3	464.6	951.5	1,008.6	63.3	129.3	243.0	252.0
Tennessee	170.6	494.6	1,077.8	1,159.6	37.5	94.5	222.4	239.6
Alabama	154.8	378.5	805.8	1,002.6	8.9	47.5	122.0	127.6
Mississippi	120.8	270.2	487.2	516.4	----------	19.8	36.5	39.4
West South Central	479.0	2,115.5	4,374.4	4,831.0	37.3	175.5	477.2	527.1
Arkansas	80.8	293.1	541.7	574.5	2.9	18.4	40.7	45.2
Louisiana	150.2	369.3	714.4	779.0	29.8	66.3	130.6	140.2
Oklahoma	78.7	465.4	929.5	1,025.9	4.6	27.6	69.8	73.2
Texas	[3] 160.2	997.7	2,188.7	2,451.7	(3)	63.2	236.1	268.5
Mountain	345.5	1,082.0	1,805.8	1,953.2	5.8	49.8	113.5	120.8
Montana	54.1	183.4	250.0	271.2	1.8	7.0	12.4	13.8
Idaho	27.6	141.9	182.9	197.2	----------	2.1	5.2	5.8
Wyoming	17.5	61.0	89.2	98.5	----------	.2	.3	.4
Colorado	145.3	369.1	711.1	768.6	----------	25.0	68.3	71.8
New Mexico	19.0	61.5	96.1	104.4	----------	.1	.4	.5
Arizona	25.4	79.6	146.8	164.1	----------	----------	1.0	1.3
Utah	45.5	162.2	285.5	301.0	4.0	15.3	25.5	27.1
Nevada	11.0	23.3	44.1	48.2	----------	.1	.3	.3
Pacific	559.7	1,929.1	5,418.1	5,905.1	52.5	196.4	580.2	630.0
Washington	125.6	453.9	994.6	1,071.9	8.8	37.3	86.1	92.6
Oregon	79.2	272.1	581.2	619.6	3.6	15.0	35.4	36.5
California	354.9	1,203.0	3,842.2	4,213.6	40.0	144.1	458.8	501.0

[1] Includes group insurance.
[2] Totals for 1928 and 1929 include small amounts not distributed by States.
[3] Industrial included in ordinary.

Source: Insurance Yearbook of the Spectator Co., New York, N. Y.

No. 312.—LIFE INSURANCE, SUMMARY OF FINANCIAL CONDITION AND POLICY ACCOUNTS: COMPANIES REPORTING TO NEW YORK INSURANCE DEPARTMENT

NOTE.—Data relate to all companies authorized to sell life insurance in New York State, which include nearly all of the important companies doing business in the United States. The figures relate to the entire business of such companies and not that in New York alone

[All figures in thousands of dollars or thousands of policies]

Calendar year	Insurance in force end of year[1] (amount)	Calendar year	Insurance in force end of year[1] (amount)	Calendar year	Insurance in force end of year[1] (amount)
1859	141,498	1875	1,922,043	1891	3,868,386
1860	163,703	1876	1,735,995	1892	4,208,975
1861	165,256	1877	1,556,105	1893	4,523,478
1862	183,963	1878	1,480,921	1894	4,657,583
1863	207,659	1879	1,439,961	1895	4,818,171
1864	395,703	1880	1,475,995	1896	4,967,576
1865	580,882	1881	1,540,090	1897	5,255,726
1866	865,106	1882	1,637,649	1898	5,630,053
1867	1,161,730	1883	1,763,730	1899	6,205,908
1868	1,528,985	1884	1,870,746	1900	6,947,097
1869	1,836,618	1885	2,024,103	1901	7,572,803
1870	2,023,885	1886	2,223,358	1902	8,440,713
1871	2,101,462	1887	2,475,750	1903	9,241,273
1872	2,114,743	1888	2,763,906	1904	10,028,091
1873	2,080,027	1889	3,147,006		
1874	1,997,236	1890	3,547,035	(*See last column below*)	

Calendar year	Assets	Liabilities, exclusive of capital	Income		Disbursements		Policies in force at end of year[1]	
			Total	Premium	Total	To policy-holders	Number (thousands)	Amount
1860	24,110	17,160	5,998	4,770	2,909	2,102	56	163,703
1870	269,520	221,161	105,026	90,215	63,877	44,949	748	2,023,885
1880	418,119	346,473	76,203	51,954	66,562	52,154	609	1,475,995
1890	758,314	668,228	193,247	151,945	131,289	88,462	1,276	3,547,035
1900	1,723,738	1,478,339	392,359	310,545	261,467	165,705	3,071	6,947,097
1905	2,651,317	2,289,031	619,426	484,407	397,830	257,957	5,306	10,553,840
1906	2,851,784	2,469,767	632,447	494,255	404,215	278,587	5,407	10,616,080
1907	2,917,968	2,666,846	625,719	483,983	401,090	292,406	5,324	10,404,508
1908	3,228,078	2,778,054	644,573	492,677	428,536	318,595	5,468	10,623,734
1909	3,466,643	2,967,162	679,724	507,114	462,486	341,993	5,756	11,110,457
1910	3,665,197	3,164,491	703,921	527,277	488,781	364,127	6,041	11,669,700
1911	3,918,071	3,377,125	750,116	553,425	521,320	387,654	6,621	12,802,939
1912	4,136,484	3,571,929	791,914	590,614	553,736	419,478	7,002	13,527,321
1913	4,351,043	3,802,073	833,681	622,845	586,312	436,968	7,452	14,324,485
1914	4,595,977	4,010,829	865,867	647,438	630,937	477,024	7,851	14,931,151
1915	4,802,904	4,222,318	917,993	677,947	687,256	507,459	8,284	15,609,722
1916	5,009,084	4,483,753	982,831	723,767	702,479	523,978	8,887	16,784,208
1917	5,460,171	4,771,716	1,088,470	801,223	746,051	537,525	9,518	18,457,379
1918	5,907,631	5,276,419	1,146,253	860,814	851,893	642,448	10,198	20,196,274
1919	6,062,858	5,445,006	1,311,956	991,460	944,509	670,161	11,607	24,010,146
1920	6,541,653	5,701,223	1,501,901	1,172,069	1,028,202	691,183	13,200	26,840,198
1921	7,018,030	6,736,889	1,630,785	1,259,192	1,091,160	753,938	14,036	29,145,345
1922	7,592,706	7,346,575	1,816,199	1,392,670	1,297,078	907,308	14,809	31,638,591
1923	8,222,286	7,931,369	2,025,372	1,563,695	1,430,053	997,830	16,055	35,181,051
1924	9,008,862	8,674,222	2,255,490	1,747,767	1,545,802	1,071,516	17,126	41,774,448
1925	10,023,932	9,523,948	2,512,995	1,936,957	1,603,238	1,094,526	18,590	43,751,246
1926	11,234,738	10,660,244	2,789,074	2,142,291	1,782,203	1,200,856	19,826	48,248,043
1927	12,482,167	11,892,865	3,064,172	2,349,484	1,892,802	1,307,218	20,961	52,320,679
1928	13,826,535	13,104,438	3,398,704	2,650,627	2,116,047	1,484,449	22,372	56,609,303
1929	15,117,941	14,386,804	3,635,152	2,718,380	2,401,751	1,712,133	23,856	61,042,905

[1] Industrial business and, beginning 1920, group business not included.

Source: The Insurance Yearbook, the Spectator Co., New York, N. Y.

No. 313.—LIFE INSURANCE ISSUED AND TERMINATED: ALL COMPANIES REPORTING TO NEW YORK INSURANCE DEPARTMENT

NOTE.—Industrial and group insurance are not included. See also headnote, Table 312

	Number of policies (thousands)				Amount (thousands of dollars)			
	1926	1927	1928	1929	1926	1927	1928	1929
New issues [1]	2,703	2,810	3,164	3,483	8,190,636	8,379,677	8,754,803	9,389,670
Policies terminated, total	1,462	1,675	1,728	2,000	3,691,896	4,309,553	4,372,053	4,944,973
By—								
Death	144	148	166	185	366,587	397,382	458,212	520,912
Maturity	73	62	64	75	79,058	68,804	69,689	84,009
Expiry	248	288	330	400	412,446	4 50,578	516,283	591,974
Surrender	326	398	400	454	860,584	1,064,185	1,125,566	1,357,267
Lapse	653	772	762	832	1,714,822	2,052,660	1,964,303	2,154,999
Change and decrease	17	4	5	4	255,868	272,898	234,542	232,238
Disability	1	1	1	2	2,530	2,986	3,459	3,484

[1] Includes all new issues, old policies revived or increased, and additions by dividends.

No. 314.—LIFE INSURANCE ISSUED AND TERMINATED BY SURRENDER, LAPSE, AND CHANGE AND DECREASE: COMPANIES REPORTING TO NEW YORK INSURANCE DEPARTMENT

NOTE.—Policies terminated by death, maturity, expiry, and disability are not included in this table Industrial business and, beginning 1920, group business not included. See also headnote, Table 312

[All figures expressed in thousands of dollars or thousands of policies]

Year	Issued [1]		Terminated by surrender, lapse, and decrease		Year	Issued [1]		Terminated by surrender, lapse, and decrease	
	Number	Amount	Number	Amount		Number	Amount	Number	Amount
1870	237	587,863	96	264,664	1902	907	1,646,013	281	515,893
1871	210	488,665	125	328,599	1903	976	1,759,682	297	522,709
1872	201	489,925	109	295,750	1904	1,101	1,884,826	349	627,914
1873	199	465,614	119	316,785	1905	1,018	1,733,102	403	701,715
1874	145	351,804	119	302,673	1906	715	1,229,809	415	756,599
1875	133	299,276	96	243,930	1907	569	997,262	314	562,028
1876	99	232,665	87	224,101	1908	592	1,090,979	327	610,084
1877	82	178,284	83	208,851	1909	695	1,284,242	306	570,631
1878	67	156,501	64	172,604	1910	747	1,362,500	296	541,408
1879	67	167,865	45	120,826	1911	812	1,577,846	323	604,383
1880	72	187,504	34	90,292	1912	898	1,702,147	365	701,476
1881	81	222,682	31	82,453	1913	1,016	1,840,578	399	732,319
1882	92	257,517	33	93,928	1914	1,013	1,808,730	433	833,691
1883	110	308,065	38	102,728	1915	1,090	1,928,289	446	859,635
1884	128	321,810	51	125,130	1916	1,257	2,362,193	405	765,096
1885	156	378,215	59	128,945	1917	1,378	2,892,880	403	729,489
1886	151	448,514	47	132,241	1918	1,335	2,965,541	401	731,160
1887	175	531,171	52	146,888	1919	2,134	5,199,839	438	797,237
1888	204	631,732	63	183,307	1920	2,420	6,068,203	561	1,110,157
1889	251	787,665	72	206,450	1921	2,012	4,902,464	881	1,983,026
1890	288	883,787	84	251,660	1922	2,038	5,518,885	877	2,032,856
1891	327	932,706	114	344,287	1923	2,352	6,694,734	827	1,884,043
1892	353	952,884	128	377,407	1924	2,383	7,233,738	908	2,193,928
1893	404	1,058,660	154	435,728	1925	2,602	7,788,047	868	2,362,401
1894	397	985,520	190	506,932	1926	2,703	8,190,636	996	2,831,274
1895	367	864,816	182	453,114	1927	2,810	8,379,677	1,175	3,389,743
1896	350	795,124	188	466,029	1928	3,164	8,754,803	1,167	3,324,410
1897	431	923,805	186	444,429	1929	3,483	9,389,670	1,340	3,744,504
1898	486	1,018,366	200	433,461					
1899	633	1,304,306	214	442,236					
1900	687	1,356,770	236	467,226					
1901	738	1,470,318	240	454,394					

[1] Includes all new issues, old policies revived or increased, and additions by dividends.

Source of Tables 313 and 314: The Insurance Yearbook, the Spectator Co., New York, N. Y.

No. 315.—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; thereafter they represent only the number reporting

[All figures, except number of orders and certificates, in thousands of dollars]

Calendar year	Number of orders	Assets	Liabilities	Income	
				Total	Net received from members
1901	489	29,427	8,470	81,629	72,243
1905	570	94,492	11,415	95,675	91,355
1910	497	129,427	18,755	128,632	114,339
1915	472	212,822	28,040	133,341	122,205
1917	533	280,738	32,736	155,090	140,417
1918	506	270,059	71,966	155,878	140,372
1919	463	295,581	57,903	180,124	160,021
1920	[1] 336	326,077	55,562	181,229	165,152
1921	[1] 283	326,520	63,662	194,798	171,174
1922	[1] 245	340,086	77,956	197,663	173,239
1923	[1] 227	490,855	100,837	206,570	128,149
1924	[1] 228	565,929	110,570	216,226	186,325
1925	[1] 224	628,262	125,989	222,147	188,370
1926	[1] 249	659,876	120,193	224,336	181,664
1927	[1] 235	759,517	107,063	238,431	193,298
1928	[1] 262	824,304	196,197	244,990	197,162
1929	[1] 269	834,286	199,288	257,753	199,627

Calendar year	Disbursements			Amount of insurance written during year	In force at end of year	
	Total	Paid for claims	To agents and for management		Amount	Number of certificates (thousands)
1901	77,343	64,123	8,850	799,627	5,656,453	4,519
1905	85,154	72,552	11,340	1,026,308	8,150,351	6,119
1910	110,168	92,280	16,897	1,331,553	9,562,512	8,558
1915	123,625	98,720	16,133	922,891	8,694,440	7,696
1917	134,938	97,398	20,712	822,042	9,129,974	7,457
1918	137,191	118,621	17,782	834,170	8,838,579	8,021
1919	172,013	141,380	24,600	1,327,958	9,531,217	10,380
1920	135,807	109,595	26,213	1,177,971	8,879,452	8,439
1921	136,604	107,925	28,679	785,131	9,159,042	8,578
1922	151,589	110,568	34,063	915,556	8,687,939	8,016
1923	151,894	109,545	32,854	795,023	8,758,555	7,514
1924	153,308	110,432	31,789	1,090,813	9,805,648	12,514
1925	160,466	121,241	36,245	1,105,881	9,760,609	8,452
1926	159,264	121,212	34,304	1,033,285	9,834,697	8,549
1927	170,740	130,398	37,163	1,025,522	9,726,662	8,342
1928	181,576	140,159	38,081	1,039,847	9,324,056	9,004
1929	200,601	154,388	35,591	983,510	9,155,358	8,975

[1] See headnote.

Source: The Insurance Yearbook of the Spectator Co., New York, N. Y.

No. 316.—MUTUAL ACCIDENT AND SICK BENEFIT ASSOCIATIONS: FINANCIAL CONDITION AND BUSINESS TRANSACTED

NOTE.—Although many small companies formerly reporting are not covered in recent years, the large companies have reported regularly, and the figures are fairly comparable from year to year. Prior to 1920 the figures for the number of companies as given below include all known to be in existence whether reporting or not; thereafter they represent only the number reporting

[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	6,862	667,809	887,804
1910	197	5,169	3,665	9,201	10,938	5,169	4,258	10,434	946,340	1,382,415
1915	177	7,103	4,483	10,969	12,555	6,955	4,354	11,769	693,654	1,359,368
1917	167	9,972	6,798	15,627	18,134	9,115	5,770	16,162	1,137,077	1,878,222
1918	161	10,250	6,815	15,235	16,742	9,054	5,661	15,796	751,522	1,688,401
1919	123	12,745	8,898	19,295	21,033	10,257	7,605	18,366	797,845	1,837,435
1920	[1] 67	13,709	9,690	19,538	22,712	10,580	8,771	19,944	713,270	1,853,328
1921	[1] 62	15,250	11,149	18,929	22,125	10,584	7,621	19,306	607,438	1,773,787
1922	[1] 82	23,577	21,657	19,429	22,400	11,684	6,532	19,035	611,703	1,739,444
1923	[1] 127	30,749	17,488	31,462	34,435	17,932	12,711	30,938	582,168	1,679,361
1924	[1] 107	47,236	34,215	41,758	44,708	23,337	10,767	38,233	731,285	2,168,901
1925	[1] 167	46,682	31,558	40,807	44,903	22,395	15,019	36,672	807,722	2,170,562
1926	[1] 173	44,244	29,579	44,901	48,720	26,408	17,078	43,424	644,782	2,036,053
1927	[1] 173	44,992	28,881	47,579	50,892	27,958	18,766	47,608	841,384	2,259,669
1928	[1] 160	41,720	25,350	44,245	48,676	27,909	20,887	45,582	641,859	1,807,292
1929	[1] 148	61,852	35,546	51,314	56,453	30,894	19,239	50,072	826,509	2,543,834

[1] See headnote.

No. 317.—CASUALTY, SURETY, AND MISCELLANEOUS INSURANCE: FINANCIAL CONDITION AND BUSINESS TRANSACTED (STOCK COMPANIES ONLY)

NOTE.—Data cover practically all stock companies doing casualty or surety business in United States

[All figures, except number of companies, in thousands of dollars]

Year	Number of companies	Capital	Assets	Net surplus over capital and liabilities	Net premiums [1]	Total income	Payments to policyholders [2]	Actual expenses of management (including taxes)	Total expenditures
1895	53	20,676	42,211	13,044	16,684	19,318	5,916	8,755	15,697
1900	57	23,572	65,808	27,059	27,186	30,348	12,755	15,419	27,504
1905	84	43,630	152,866	39,070	55,344	63,191	21,647	28,922	54,353
1910	154	65,485	309,716	78,176	94,395	111,042	41,465	57,915	100,115
1915	181	78,024	603,670	78,035	160,320	174,892	75,444	74,251	159,397
1917	189	74,273	692,195	76,796	241,514	257,518	104,986	95,171	203,948
1918	179	92,239	852,466	87,990	304,614	330,606	122,745	117,792	255,912
1919	174	89,484	926,951	89,651	364,389	392,239	150,176	145,087	313,430
1920	[3] 189	93,737	1,014,386	92,861	459,170	489,774	196,360	183,514	400,724
1921	[3] 205	98,874	1,139,586	115,749	467,046	499,742	229,284	205,675	460,522
1922	[3] 189	110,890	1,304,134	144,295	444,241	498,143	221,690	201,461	464,551
1923	[3] 240	138,251	1,492,323	156,999	545,689	582,827	277,305	238,747	532,945
1924	[3] 258	150,009	1,671,188	179,679	613,941	665,305	320,883	251,950	600,568
1925	[3] 274	159,630	1,934,744	202,680	698,729	752,037	347,440	286,024	660,092
1926	[3] 289	186,265	2,173,151	225,542	764,357	827,911	387,311	312,096	720,230
1927	334	211,356	2,473,647	293,829	834,878	901,494	427,344	341,023	788,865
1928	358	253,675	2,855,115	372,061	922,112	992,696	445,709	362,830	833,435
1929	382	265,449	3,102,552	373,195	943,621	1,037,579	491,584	378,806	925,468

[1] Total premium receipts prior to 1910.
[2] Includes all expenses in connection with payment of claims.
[3] Number of companies which show figures for the year.

Source of Tables 316 and 317: The *Insurance Yearbook of the Spectator Co.*, New York, N. Y.

No. 318.—STOCK CASUALTY, SURETY, AND MISCELLANEOUS INSURANCE COMPANIES: PREMIUMS AND LOSSES, BY CLASSES OF INSURANCE

NOTE.—Data cover about 80 per cent 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

[All money figures in thousands of dollars]

Class	1928			1929			1930		
	Premiums received	Losses paid	Ratio, per cent	Premiums received	Losses paid	Ratio, per cent	Premiums received	Losses paid	Ratio, per cent
Total	712, 582	371, 168	52. 1	751, 233	405, 859	54. 0	721, 764	463, 717	64. 2
Accident [1]	48, 780	23, 000	49. 1	53, 451	26, 237	49. 1	46, 030	24, 801	53. 9
Automobile (not segregated) [2]	12, 142	6, 274	51. 7	11, 315	7, 261	64. 2	8, 967	6, 951	77. 5
Automobile collision	15, 177	8, 984	59. 2	15, 541	9, 785	63. 0	12, 514	8, 815	70. 4
Automobile fire	385	88	23. 0				451	280	62. 0
Automobile fire, theft, etc. [3]	1, 700	608	35. 8	1, 957	663	33. 7	1, 360	583	43. 3
Automobile liability	172, 471	91, 814	53. 2	189, 338	105, 383	55. 7	182, 168	139, 971	74. 0
Automobile property damage	55, 720	28, 593	51. 3	64, 399	34, 336	53. 3	59, 039	33, 037	57. 0
Automobile theft	329	132	40. 2				360	188	52. 1
Burglary and theft	36, 917	12, 595	34. 1	36, 091	13, 155	36. 4	34, 838	14, 661	42. 0
Credit	4, 877	2, 526	52. 9	5, 027	2, 537	50. 5	5, 399	3, 876	71. 8
Engine and machinery	4, 455	945	21. 2	3, 647	907	24. 9	3, 350	988	29. 1
Fidelity	44, 783	20, 177	45. 1	45, 284	20, 626	45. 6	44, 966	24, 046	53. 5
Health [1]	16, 598	10, 412	62. 7	18, 053	11, 942	66. 1	17, 203	11, 280	65. 6
Liability	59, 362	28, 389	47. 8	61, 807	27, 634	44. 7	60, 883	27, 991	46. 0
Livestock	1, 135	683	60. 2	889	628	70. 7	1, 002	817	80. 8
Noncancelable accident and health	4, 923	2, 444	49. 6	5, 400	2, 690	49. 8	6, 166	3, 485	56. 5
Plate glass	14, 256	5, 185	36. 4	13, 433	5, 617	41. 8	13, 145	5, 539	42. 1
Property damage and collision	2, 399	886	36. 9	2, 825	960	34. 0	2, 524	954	37. 8
Sprinkler	1, 077	416	38. 6	1, 149	362	31. 5	1, 409	495	35. 2
Steam boiler	7, 889	1, 338	17. 0	7, 787	1, 052	13. 5	7, 262	1, 139	15. 7
Surety	56, 388	22, 683	40. 2	57, 555	24, 006	41. 7	53, 082	36, 019	67. 8
Workmen's collective	81	113	139. 5	168	91	54. 4	20	19	96. 1
Workmen's compensation	150, 645	101, 883	67. 6	155, 850	109, 935	70. 5	150, 895	116, 675	77. 3
Other	93	32	44. 0	268	52	19. 4	1, 631	500	30. 7

[1] Combined accident and health included with accident.
[2] Includes small amounts of automobile accident, plate glass, tornado, and other miscellaneous classes.
[3] Data for motor-vehicle fire and theft insurance of fire and marine companies in 1928 and 1929 are as follows: 1928, premiums received $118,490,000, losses paid $46,850,000; 1929, premiums received, $139,074,000; losses paid, $58,763,000. Data for 1930 are not available.

Source: The Spectator Co., New York, N. Y.

No. 319.—DIVIDEND AND INTEREST PAYMENTS

NOTE.—All figures in thousands of dollars. Data cover railroad, industrial and traction companies, banks and trust companies, the National Government, and the New York City government

Calendar year	Total dividend and interest payments	Interest payments	Dividend payments			
			Total [1]	Industrial and miscellaneous corporations	Steam railroads	Street railways
1913	1, 777, 237	939, 184	838, 053	462, 320	296, 795	58, 873
1915	1, 865, 111	1, 072, 878	792, 233	436, 487	283, 353	61, 790
1916	2, 135, 033	1, 208, 926	926, 107	539, 832	313, 135	72, 241
1917	3, 389, 136	1, 310, 866	1, 078, 270	678, 504	312, 460	77, 910
1918	2, 724, 732	1, 702, 525	1, 022, 207	645, 461	286, 625	75, 821
1919	3, 189, 184	2, 232, 243	956, 942	579, 167	284, 454	71, 719
1920	3, 414, 876	2, 432, 784	982, 092	601, 680	285, 985	72, 888
1921	3, 341, 809	2, 419, 345	922, 464	542, 402	284, 020	71, 641
1922	3, 399, 719	2, 469, 070	930, 649	524, 675	282, 100	70, 818
1923	3$585, 217	2, 621, 966	963, 251	541, 441	289, 120	75, 750
1924	3, 840, 590	2, 827, 901	1, 012, 689	566, 170	301, 195	84, 090
1925	4, 083, 828	3, 014, 953	1, 068, 875	596, 050	315, 015	93, 335
1926	4, 391, 185	3, 218, 500	1, 172, 685	664, 375	331, 115	109, 695
1927	5, 570, 548	3, 471, 393	2, 099, 150	1, 555, 475	349, 500	124, 675
1928	6, 028, 184	3, 702, 674	2, 325, 510	1, 702, 980	391, 480	122, 150
1929	7, 588, 248	4, 109, 948	3, 478, 300	2, 601, 900	468, 400	122, 000
1930	8, 346, 655	4, 374, 405	3, 972, 250	2, 990, 100	510, 100	123, 350

[1] Includes bank dividends not separately shown.

Source: Survey of Current Business, compiled from New York Journal of Commerce.

No. 320.—NET PROFITS OF CORPORATIONS

NOTE.—**In millions of dollars.** Data cover 536 companies, the number of companies in each group being indicated in parentheses in the stub. For net profits of all corporations as compiled from income-tax returns, see Table 189, p. 102

Class and number of companies	1925	1926	1927	1928	1929	1930
Grand total, 536 companies	2,811	3,195	3,083	3,543	3,993	3,041
Industrial and mercantile (163)	861	1,036	994	1,229	1,435	861
Automobiles, parts, and accessories (24)	259	207	329	410	357	175
Steel and railroad equipment (13)	152	200	149	188	321	104
Oil (18)	94	120	66	99	120	60
Food (22)	110	121	126	139	156	141
Metals and mining (20)	30	42	38	59	82	32
Machinery (15)	34	40	42	49	62	39
Miscellaneous (51)	182	216	244	285	337	250
Public utilities (201)	818	927	1,002	1,121	1,283	1,295
Telephone (106)	186	212	228	253	276	270
Other large public utilities (95)	632	715	774	868	1,007	1,025
Class I railroads (172)	1,132	1,232	1,086	1,193	1,275	885

Source: Federal Reserve Bank of New York.

No. 321.—CAPITAL ISSUES: SUMMARY, BY CLASSES, 1919 TO 1930

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 1910 to 1918 all stocks are included at their market value. Corporate issues for 1910 to 1918 exclude real estate offering 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	Refunding	Total issues, by kinds						
				Corporate				Farm-loan	State and municipal	Foreign government
				Railroads	Public utilities	Industrials [1]	Miscellaneous			
1919	4,286.2	3,588.4	697.8	208.1	462.3	1,691.6	377.7	110.0	703.2	533.3
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	121.9	1,236.7	455.3
1922	5,235.9	4,304.4	931.5	651.5	980.4	915.8	525.5	386.4	1,143.7	632.4
1923	4,989.7	4,304.4	685.3	518.2	1,138.4	1,044.8	531.4	392.5	1,071.3	293.1
1924	6,352.5	5,593.2	759.3	940.3	1,529.6	805.7	563.0	179.1	1,407.8	927.0
1925	7,126.0	6,220.2	905.9	514.7	1,725.0	1,270.2	1,228.1	188.2	1,408.5	791.3
1926	7,430.3	6,344.1	1,086.1	422.8	1,968.0	1,610.2	1,298.8	131.3	1,375.5	623.9
1927	9,933.7	7,791.1	2,142.6	962.8	2,977.4	1,673.8	1,705.2	179.6	1,522.5	912.4
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	689.2
1929	11,592.2	10,182.8	1,409.4	817.2	2,442.8	2,459.8	4,306.6	-------	1,435.7	130.1
1930	7,676.3	7,038.6	637.7	1,026.5	2,566.2	1,151.9	728.6	86.5	1,496.9	619.6

CORPORATE ISSUES BY CLASS OF SECURITY (NEW CAPITAL AND REFUNDING)

Year	Total	Long-term bonds and notes	Short-term bonds and notes	Stocks	Year	Total	Long-term bonds and notes	Short-term bonds and notes	Stocks
1910	1,518.3	1,113.2		405.1	1921	2,390.9	1,896.2	215.4	279.3
1911	1,739.5	1,387.4		352.0	1922	3,073.3	2,304.3	145.0	624.0
1912	2,253.6	1,349.5		904.1	1923	3,232.8	2,316.4	180.5	736.0
1913	1,645.7	1,193.9		451.9	1924	3,838.0	2,569.3	403.0	866.3
1914	1,436.5	1,174.7		261.8	1925	4,738.1	3,040.2	386.9	1,311.0
1915	1,435.4	1,110.6		324.7	1926	5,299.6	3,648.0	333.8	1,317.8
1916	2,186.5	1,405.0		781.5	1927	7,319.2	5,190.4	355.5	1,773.3
1917	1,530.0	1,075.5		454.5	1928	7,817.9	5,016.6	274.1	3,527.2
1918	1,344.8	1,047.1		297.7	1929	10,026.4	2,842.3	262.6	6,921.4
1919	2,739.7	633.7	540.2	1,565.8	1930	5,473.3	3,248.0	657.0	1,568.3
1920	2,966.3	1,234.4	660.8	1,071.1					

[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.

Source: Corporate issues prior to 1919 from New York Journal of Commerce, all other data from the Commercial and Financial Chronicle.

No. 322.—CAPITAL ISSUES: CORPORATE, FOREIGN GOVERNMENT, FARM LOAN, AND STATE AND MUNICIPAL

NOTE.—See headnote Table 321

[In millions and tenths of millions of dollars]

Kind of issue	1923	1924	1925	1926	1927	1928	1929	1930
TOTAL								
All issues	4,989.7	3,352.5	7,126.0	7,430.3	9,933.7	9,991.8	11,592.2	7,876.3
Corporate, total	3,232.3	3,838.6	4,738.1	5,299.6	7,319.2	7,817.9	10,026.4	5,473.3
Domestic—								
Long-term bonds and notes	2,249.3	2,319.5	2,667.3	3,059.1	4,466.2	3,174.1	2,369.4	2,810.3
Short-term bonds and notes	180.5	335.7	308.0	294.5	302.5	264.9	250.6	620.3
Preferred stocks	406.7	346.1	636.8	543.6	1,054.7	1,397.1	1,694.7	421.5
Common stocks	329.2	519.6	610.1	676.6	683.5	2,094.1	5,061.8	1,105.0
Canadian	43.0	112.4	112.3	203.4	265.4	282.1	314.1	297.1
Other foreign	24.1	205.4	403.7	522.4	546.9	605.5	335.7	219.1
Foreign government[1]	242.8	778.0	645.4	514.1	777.1	651.1	68.3	481.9
Farm-loan issues	392.5	170.1	188.2	131.3	179.6	63.9	----	86.5
State and municipal:								
Domestic	1,063.1	1,399.0	1,399.6	1,365.1	1,509.6	1,414.8	1,430.7	1,486.6
Canadian[1]	50.2	149.0	146.0	109.8	135.3	38.1	61.8	137.7
U. S. territories and possessions	8.2	8.8	8.7	10.4	12.9	6.2	5.1	10.3
NEW CAPITAL								
All issues	4,304.4	5,593.2	6,220.2	6,344.1	7,791.1	8,114.4	10,182.8	7,038.6
Corporate, total	2,702.5	3,322.3	4,100.7	4,357.0	5,391.0	6,079.6	8,639.4	4,944.4
Domestic:								
Long-term bonds and notes	1,832.9	1,923.8	2,231.3	2,417.7	2,962.0	2,174.8	1,873.5	2,459.7
Short-term bonds and notes	143.3	276.1	220.7	249.2	220.7	210.5	204.7	520.0
Preferred stocks	335.1	318.0	594.3	509.3	874.2	1,149.1	1,516.7	412.2
Common stocks	324.1	511.2	558.3	577.8	599.9	1,811.6	4,407.1	1,091.2
Canadian	43.0	97.8	94.5	140.9	215.6	183.3	314.1	251.2
Other foreign	24.1	195.4	401.7	462.2	518.6	550.2	323.3	210.1
Foreign government[1]	186.8	570.9	540.8	481.3	737.6	550.6	68.3	417.3
Farm-loan issues	337.5	179.1	168.7	91.1	86.8	63.9	----	86.5
State and municipal:								
Domestic	1,043.1	1,379.6	1,352.1	1,343.5	1,475.0	1,379.1	1,417.8	1,449.5
Canadian[1]	26.3	132.4	49.2	60.8	89.3	35.1	52.2	130.6
U. S. territories and possessions	8.2	8.8	8.7	10.4	11.4	6.2	5.1	10.3
REFUNDING								
All issues	685.3	759.3	905.9	1,086.1	2,142.6	1,877.5	1,409.4	837.7
Corporate, total	530.3	516.3	637.4	942.6	1,928.2	1,738.3	1,386.9	528.9
Domestic:								
Long-term bonds and notes	416.4	395.7	436.0	641.4	1,504.2	999.3	459.9	350.6
Short-term bonds and notes	37.2	59.6	87.3	45.3	81.8	54.4	45.9	100.2
Preferred stocks	71.6	28.1	42.5	34.3	180.5	248.0	178.0	9.4
Common stocks	5.2	8.4	51.8	98.8	83.7	232.5	654.7	13.8
Canadian	----	14.5	17.8	62.6	49.8	98.8	----	45.9
Other foreign	----	10.0	2.0	60.2	28.3	55.3	12.4	9.0
Foreign government[1]	56.0	207.1	104.6	32.9	39.5	100.5	----	64.6
Farm-loan issues	55.0	----	19.5	40.2	92.8	----	----	----
State and municipal:								
Domestic	20.0	19.3	47.5	21.5	34.6	35.6	12.9	37.1
Canadian[1]	23.9	16.6	96.8	49.0	46.0	3.0	9.6	7.2
U. S. territories and possessions	----	----	----	----	1.5	----	----	----
CORPORATE ISSUES, NEW CAPITAL								
Total	2,702.5	3,322.3	4,100.7	4,357.0	5,391.0	6,079.6	8,639.4	4,944.4
Railroads	464.5	779.6	380.3	346.0	505.7	364.1	546.5	797.4
Public utilities	888.0	1,325.6	1,481.0	1,597.9	2,065.3	1,811.5	1,932.0	2,365.1
Iron, steel, coal, copper, etc	291.9	197.9	133.1	193.2	100.5	203.2	274.4	200.8
Equipment manufacturers	13.8	19.0	13.8	17.8	23.8	9.1	2.4	27.0
Motors and accessories	66.8	29.5	186.1	131.4	94.7	66.3	82.1	16.2
Other industrial and manufacturing	324.3	261.4	501.4	526.9	705.4	852.5	1,177.2	519.7
Oil	194.8	107.1	168.4	262.7	317.3	193.7	270.9	263.5
Land, buildings, etc	250.9	333.4	715.5	709.5	630.4	716.3	520.4	244.5
Rubber	1.7	2.0	64.8	43.2	12.7	55.9	90.0	33.9
Shipping	3.6	13.8	30.1	21.5	26.3	21.2	31.3	10.0
Inv. trusts, trading, holding, etc	202.3	192.9	15.1	71.1	174.9	786.7	2,222.2	232.7
Miscellaneous			411.2	435.9	734.0	994.2	1,489.9	233.5

[1] Canadian Government issues are included with Canadian under "State and municipal."

Source: Commercial and Financial Chronicle.

No. 323.—BROKERS' LOANS OUTSTANDING EACH MONTH, 1926 TO 1930

NOTE.—In millions of dollars. Figures cover net loans obtained by New York Stock Exchange members on collateral contracted for and carried in New York

End of—	Total					Demand loans			Time loans		
	1926	1927	1928	1929	1930	1928	1929	1930	1928	1929	1930
January	3,513	3,139	4,402	3,735	3,985	3,393	5,983	3,528	1,027	752	457
February	3,536	3,256	4,323	6,679	4,168	3,294	5,948	3,711	1,028	730	457
March	3,000	3,200	4,640	6,804	4,056	3,580	6,210	4,052	1,060	594	604
April	2,836	3,341	4,908	6,775	5,063	3,739	6,204	4,363	1,169	571	700
May	1,767	3,458	5,274	6,665	4,748	4,070	6,100	3,967	1,204	565	781
June	2,926	3,509	4,898	7,071	3,728	3,742	6,444	2,980	1,157	627	747
July	2,998	3,642	4,837	7,474	3,689	3,768	6,870	3,021	1,070	604	668
August	3,142	3,674	5,051	7,882	3,590	4,094	7,162	2,913	958	720	686
September	3,210	3,915	5,514	8,540	3,481	4,600	7,832	2,830	824	717	651
October	3,111	3,946	5,880	6,109	2,556	5,116	5,238	1,981	764	871	569
November	3,129	4,092	6,392	4,017	2,162	5,614	3,297	1,691	777	719	471
December	3,293	4,433	6,440	3,990	1,894	5,722	3,376	1,519	717	613	374

Source: New York Journal of Commerce.

No. 324.—NEW YORK STOCK EXCHANGE TRANSACTIONS

Item	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930
Stocks (millions of shares)	227	173	259	236	282	454	451	577	920	1,125	810
Bonds, par value (millions of dollars):											
Railway and miscellaneous	827	1,043	1,905	1,568	2,345	2,332	2,004	2,142	1,997	2,182	1,927
United States Government	2,861	1,957	1,873	796	877	391	262	200	188	142	116
State, municipal, and foreign	289	324	592	425	582	661	721	837	749	658	721

Source: Commercial and Financial Chronicle.

No. 325.—MOVEMENTS OF AVERAGE PRICES OF STOCKS AND BONDS ON THE NEW YORK STOCK EXCHANGE, BY YEARS

Year	Stocks (dollars per share)						Price index, 40 bonds (per cent of par) [2]	Bond yields municipal bonds (per cent) [3]
	25 industrials			25 railroads				
	High	Low	Average closing [1]	High	Low	Average closing [1]		
1913	67.08	50.27	58.19	91.41	75.92	82.97	----------	4.45
1914	61.68	48.48	58.08	84.94	66.35	77.57	----------	4.16
1915	109.97	51.85	75.35	82.84	64.40	73.16	76.76	4.23
1916	119.30	86.60	99.14	85.70	74.83	80.05	80.49	4.06
1917	99.74	62.81	85.44	81.22	52.06	69.12	75.58	4.31
1918	91.55	71.31	80.98	70.75	56.95	61.34	69.84	4.58
1919	138.12	80.37	105.77	68.78	54.48	62.06	69.07	4.50
1920	129.83	70.55	107.21	63.55	48.86	55.94	59.70	5.04
1921	90.60	66.24	79.38	63.00	47.59	53.21	60.15	5.02
1922	116.24	79.86	98.58	70.53	52.57	62.38	74.11	4.21
1923	118.41	99.05	107.78	67.05	54.61	60.15	71.72	4.27
1924	135.11	103.20	115.08	81.41	57.80	67.18	74.32	4.21
1925	185.36	128.83	152.65	95.29	73.50	82.48	77.04	4.13
1926	186.03	137.65	165.70	102.60	81.61	93.27	80.36	4.13
1927	247.48	171.49	214.54	124.22	99.34	113.81	83.69	3.99
1928	332.58	233.42	288.92	132.80	112.84	122.06	84.06	4.06
1929	469.49	220.95	366.29	158.71	107.92	135.87	79.21	4.32
1930	358.16	196.67	285.66	136.00	74.20	113.51	81.25	4.12

[1] Average of daily closing prices for these stocks.
[2] Computed from the yields on the average prices of the selected bonds for each day of the month, the average yield being capitalized at 4 per cent to give the combined index.
[3] Average market yield of bonds of 20 large cities at the end of each month since Jan. 31, 1917; previous figures are for the first of the month.

Sources: Stock prices, The Annalist; bond price index, Dow, Jones & Co.; bond yields, the Bond Buyer.

No. 326.—INDEXES OF VALUES OF SALES BY DEPARTMENT STORES: BY FEDERAL RESERVE DISTRICTS AND BY MONTHS

NOTE.—Compiled from reports of about 360 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. Sales are much affected by changes in price levels

[1923–1925 average=100]

Year	United States	Boston	New York	Philadelphia	Cleveland	Richmond	Atlanta	Chicago	St. Louis	Minneapolis	Kansas City [1]	Dallas	San Francisco
1919	78	78	76	79	77	84	94	------	------	93	------	98	68
1920	94	91	91	93	98	93	113	------	------	105	------	117	83
1921	87	89	87	89	86	89	96	81	90	97	------	97	79
1922	88	92	89	91	87	86	90	84	89	93	------	90	83
1923	98	98	96	101	100	97	100	99	99	99	------	96	96
1924	99	100	99	99	99	99	98	98	98	99	95	100	99
1925	103	102	105	100	101	104	102	103	103	102	100	104	105
1926	106	105	109	102	102	107	106	109	105	99	95	109	110
1927	107	106	111	98	102	105	107	110	103	97	95	106	113
1928	108	104	112	96	101	106	107	117	104	90	97	108	117
1929	111	106	117	96	103	110	104	119	105	86	100	110	120
1930	102	100	113	89	92	106	96	105	94	85	93	100	113

Month	United States—Unadjusted					United States—With seasonal adjustment				
	1926	1927	1928	1929	1930	1926	1927	1928	1929	1930
January	90	91	91	90	88	106	107	108	110	107
February	87	89	88	91	89	105	108	106	111	108
March	97	95	97	107	93	101	106	107	112	107
April	102	109	105	103	110	105	106	106	110	107
May	109	105	107	109	105	109	105	107	109	105
June	100	101	102	108	98	105	106	107	113	103
July	77	76	80	79	71	106	105	110	109	100
August	82	85	81	84	77	108	111	107	111	102
September	104	108	113	117	103	106	104	112	114	99
October	120	117	118	122	112	109	107	108	112	102
November	124	126	125	126	113	106	108	108	108	98
December	184	182	192	191	165	108	106	111	108	94

[1] Monthly average sales in 1925=100.

Source: Federal Reserve Board.

No. 327.—INDEXES OF VALUE OF SALES OF MAIL-ORDER HOUSES AND 5-AND-10-CENT CHAIN STORES [1]

NOTE.—Indexes for mail-order houses cover two companies throughout. The number of chain-store companies reporting varied from year to year, but in computing the indexes adjustment has been made for these variations. No adjustment has been made, however, to eliminate the influence of increase in the number of stores operated by the individual companies, which accounts for a considerable part of the increase in the indexes. In the monthly indexes allowance has been made for the varying number of business days in the different months and for seasonal variations. Sales are much affected by changes in price levels

]1923=1925 average=100]

Year	Mail-order houses	5-and-10-cent chain stores	Month	Mail-order houses			5-and-10-cent chain stores		
				1928	1929	1930	1928	1929	1930
1919	93	53	January	121	147	150	140	146	152
1920	93	64	February	121	153	150	142	157	162
1921	65	66	March	122	158	141	142	167	164
1922	70	74	April	123	169	164	147	153	161
1923	89	88	May	142	195	217	144	172	174
1924	98	99	June	161	215	200	153	174	160
1925	113	113	July	164	211	191	148	162	152
1926	120	125	August	169	223	193	147	174	163
1927	126	138	September	171	212	167	165	168	156
1928	148	150	October	156	195	168	148	159	151
1929	189	164	November	156	186	145	151	166	158
1930	172	159	December	168	200	168	164	165	153

[1] Some of the companies included do not limit the sales prices of individual articles to 10 cents, some selling as high as $1, but all come within the broad classification popularly known as "10-cent stores."

Source: Federal Reserve Board and Bureau of Foreign and Domestic Commerce Department of Commerce.

No. 328.—WHOLESALE TRADE: SUMMARY OF ALL WHOLESALE DISTRIBUTORS AND OF WHOLESALERS ONLY, BY DIVISIONS AND STATES, 1929

NOTE.—All wholesale distributors include, besides wholesalers proper, manufacturers' sales branches, bulk tank stations, auction companies, chain-store warehouses, brokers, manufacturers' agents, selling agents, and shippers. The volume of trade reported for the entire wholesale field involves a certain amount of duplication since brokers, selling agents, and the like are concerned, at least in some measure, with the same merchandise that is handled by wholesalers

[All money figures in thousands of dollars]

Division and State	All wholesale distributors					Wholesalers				
	Number of establishments	Number of employees	Net sales	Salaries and wages	Stocks on hand, end of year (at cost)	Number of establishments	Number of employees	Net sales	Salaries and wages	Stocks on hand, end of year (at cost)
U. S.	169,764	1,609,197	69,527,949	3,017,080	5,637,740	79,557	894,165	29,079,734	1,683,351	3,524,068
New England	9,796	112,469	4,217,081	208,514	330,434	6,500	69,734	2,152,480	125,005	210,234
Me.	987	7,545	189,975	11,288	24,144	534	4,873	107,192	7,383	15,897
N. H.	327	2,473	61,789	3,717	6,311	199	1,600	30,969	2,156	4,206
Vt.	308	1,933	57,303	2,899	5,432	132	1,367	36,480	2,033	4,117
Mass.	6,067	72,073	3,087,685	146,101	222,222	4,069	43,891	1,578,914	85,144	144,155
R. I.	738	8,126	300,689	14,941	23,885	571	5,672	167,683	10,241	15,720
Conn.	1,369	19,419	519,551	29,568	48,438	995	12,331	231,222	17,548	26,141
Mid. Atlantic	38,211	432,802	23,440,785	970,910	1,799,249	25,991	262,626	10,310,370	573,674	1,216,491
N. Y.	25,317	291,288	17,664,515	697,122	1,291,923	17,604	175,651	7,828,306	410,465	886,706
N. J.	2,348	27,777	1,014,459	55,943	70,829	1,701	17,014	504,041	34,905	50,176
Pa.	10,546	113,737	4,761,812	217,852	436,497	6,686	69,961	1,977,423	128,303	279,609
E. N. Central	32,189	353,502	14,030,317	687,723	1,122,170	13,927	176,259	4,895,199	343,972	655,938
Ohio	8,078	84,766	3,094,445	154,691	197,428	4,229	51,013	1,388,099	93,243	132,816
Ind.	3,734	25,474	921,561	43,258	61,806	1,445	14,543	376,416	25,031	43,348
Ill.	11,588	164,563	6,860,820	341,521	634,287	4,065	63,977	1,747,744	137,223	320,004
Mich.	5,273	47,424	2,174,203	97,113	118,585	2,523	27,361	855,296	54,324	76,916
Wis.	3,516	31,275	979,289	51,140	110,064	1,655	19,365	527,733	34,152	82,854
W. N. Central	28,954	196,665	8,708,887	331,274	715,165	7,183	105,498	3,028,299	131,056	467,131
Minn.	5,520	37,498	1,716,944	62,332	152,376	1,684	21,607	680,105	35,786	93,704
Iowa	4,954	27,603	1,056,985	41,032	69,105	1,090	13,748	350,841	22,017	41,401
Mo.	6,674	79,488	3,361,502	145,671	240,247	2,591	45,210	1,209,542	82,020	159,602
N. Dak.	2,619	5,936	262,165	9,943	24,445	184	1,808	52,153	3,250	5,584
S. Dak.	1,974	5,897	236,491	9,015	16,917	202	2,171	51,425	3,266	5,810
Nebr.	2,890	17,268	1,054,064	28,106	58,561	595	8,899	282,650	15,521	35,518
Kans.	4,323	22,975	1,020,677	35,174	153,513	837	11,995	399,583	19,196	125,511
S. Atlantic	15,656	141,290	4,777,924	202,876	410,001	7,188	75,180	1,988,558	110,288	215,049
Del.	287	2,906	236,066	6,451	19,912	127	1,056	47,202	1,762	4,692
Md.	2,205	22,496	741,656	33,132	49,547	1,225	15,802	346,961	21,394	36,312
Dist. of Col.	496	7,575	261,083	13,700	14,305	330	4,107	98,179	7,212	9,066
Va.	2,344	22,739	656,309	30,172	79,334	1,175	13,360	279,590	18,224	39,287
W. Va.	1,132	10,339	346,839	19,303	29,539	626	7,169	181,817	13,245	22,995
N. C.	2,415	24,500	718,469	25,833	103,826	1,045	9,958	284,066	12,744	30,625
S. C.	1,539	7,726	333,528	10,535	17,524	538	3,820	145,749	5,819	12,340
Ga.	3,184	22,932	1,017,440	30,999	62,531	1,077	11,193	415,449	16,779	37,587
Fla.	2,054	20,077	466,535	26,751	33,482	1,045	8,715	189,545	13,109	22,145
E. S. Central	7,767	65,193	2,569,660	95,729	240,078	3,137	39,630	1,175,264	61,306	120,371
Ky.	2,049	22,095	534,273	26,416	101,350	857	13,180	251,472	18,200	35,626
Tenn.	2,262	22,619	1,076,016	35,134	70,068	961	13,692	520,526	22,788	43,521
Ala.	1,743	13,733	574,145	23,650	44,603	797	9,050	275,088	14,927	27,262
Miss.	1,713	6,746	385,226	10,528	24,055	512	3,708	128,198	5,391	13,963
W. S. Central	17,571	104,352	4,807,593	168,828	389,534	6,503	59,746	2,406,721	96,836	279,269
Ark.	2,052	8,463	373,074	12,195	30,660	569	5,056	179,059	8,111	23,601
La.	1,730	17,496	853,123	29,339	58,966	884	11,047	395,943	17,724	36,492
Okla.	4,183	19,404	776,887	31,087	61,035	1,989	9,726	352,990	16,611	42,897
Tex.	9,606	58,989	2,804,509	96,207	238,874	3,061	33,917	1,478,723	54,390	176,280
Mountain	5,798	34,816	1,202,478	55,951	105,109	1,954	19,527	514,610	33,081	67,822
Mont.	1,249	4,436	158,545	6,991	19,026	208	2,357	60,584	3,744	11,083
Idaho	681	3,386	121,193	4,524	10,918	164	1,188	36,588	2,044	5,761
Wyo.	283	905	34,661	1,855	4,215	91	452	15,892	891	2,655
Colo.	2,076	14,056	540,398	24,025	37,575	813	9,018	224,381	14,936	23,439
N. Mex.	317	1,355	53,547	2,331	4,744	97	720	26,382	1,256	3,586
Ariz.	359	3,646	99,787	5,586	9,528	165	1,692	46,326	3,064	6,731
Utah.	737	5,753	180,628	9,702	17,779	307	3,867	96,592	6,696	13,684
Nev.	96	679	13,719	877	1,324	49	233	7,566	450	885
Pacific	13,822	168,108	5,773,222	295,279	556,002	7,174	85,905	2,610,032	158,133	291,761
Wash.	2,631	30,391	1,147,057	51,101	79,573	1,371	15,640	484,024	20,377	55,008
Oreg.	1,440	14,664	466,841	24,269	40,582	691	8,147	246,957	13,538	25,125
Calif.	9,751	123,053	4,159,323	219,909	435,847	5,112	62,118	1,879,051	115,219	211,568

Source: Bureau of the Census, Department of Commerce.

No. 329.—RETAIL TRADE IN THE UNITED STATES: BY KIND OF BUSINESS, 1929

NOTE.—Figures are preliminary and are subject to revision

Kind of business (Description of stores not identical with commodities sold)	Number of stores	Net sales (thousands of dollars)	Per cent of total net sales
Total, all stores	1,549,168	50,033,851	100.00
Food group, total	497,715	11,310,627	22.61
Candy and confectionery stores:			
Candy stores (nut stores)	3,672	39,516	.08
Confectionery stores (candy and fountain)	62,648	653,935	1.31
Dairy products, eggs, and poultry stores:			
Dairy products, butter, cheese, ice cream (including milk dealers)	5,604	469,333	.94
Eggs and poultry dealers	3,888	92,520	.18
Milk dealers (incomplete) [1]	2,524	223,232	.45
Delicatessen stores	9,234	169,431	.34
Fruit stores and vegetable markets	22,525	315,053	.63
Grocery stores (without meat departments)	204,345	3,738,534	7.47
Combination stores:			
Groceries with meats	94,923	3,216,156	6.43
Meat markets with groceries	26,674	886,124	1.77
Meat markets (sea foods):			
Fish markets (sea foods)	6,097	85,356	.17
Meat markets	40,574	1,147,323	2.29
Bakery goods stores	12,076	198,851	.40
Other food stores:			
Coffee, tea, spices	1,496	55,586	.11
Farm products, general	611	7,497	.02
General food stores	824	11,579	.02
Country general stores, total	87,683	1,927,623	3.85
Country general stores (miscellaneous merchandise with groceries)	49,319	1,185,894	2.37
Country general stores (groceries with clothing and/or shoes)	4,042	74,901	.15
Country general stores (groceries with dry goods and/or notions)	34,322	666,829	1.33
General merchandise group, total	70,363	7,140,515	14.27
Department stores:			
Department stores with food departments ($100,000 and over exclusive of food sales)	773	799,804	1.60
Department stores without food departments ($100,000 and over)	4,151	3,520,764	7.04
Dry goods stores:			
Dry goods stores with food departments	8,509	217,978	.43
Dry goods stores without food departments	31,881	834,583	1.67
Piece-goods stores	686	22,020	.04
General stores:			
General merchandise stores with food departments	7,960	547,568	1.09
General merchandise stores without food departments	4,024	310,762	.62
Army and navy goods stores	659	17,852	.04
Variety, 5-and-10, and to-a-dollar stores	11,620	869,124	1.74
Automotive group, total	253,322	9,546,898	19.08
Motor vehicles (not including separate used-car establishments) sales and service	41,158	6,169,464	12.33
Used-car establishments (automobiles and trucks)	3,179	146,860	.29
Accessories, tires, and batteries:			
Accessories, tires, and batteries	11,643	347,463	.69
Battery shops (including repairs)	5,625	79,016	.16
Tire shops (including tire repairs)	6,971	205,839	.41
Filling stations:			
Filling stations (gas, oil, and fuel oil)	55,787	930,349	1.86
Filling stations with tires and accessories	33,443	650,819	1.30
Filling stations with candy, lunch counter, tobacco, groceries, or other merchandise	34,749	302,674	.61
Motor cycle, bicycle, and supply shops:			
Motor cycles (only)	250	7,605	.01
Bicycles, motor cycles, and supplies	373	6,317	.01
Bicycle shops	800	7,628	.02
Garages—repairs, gas and oil, etc.:			
Body, fender, and paint shops	3,297	48,524	.10
Garages (repairs and storage, gas, oil, accessories)	54,199	603,580	1.21
Parking stations, parking garages, and lots (sale of gas and oil)	742	18,190	.04
Radiator shops (including repairs)	752	6,428	.01
Other automotive establishments:			
Aircraft and accessories	102	4,540	.01
Boats (motor boats, yachts, canoes)	252	11,602	.02

[1] This classification is incomplete due to the obvious difficulty in locating milk dealers. Steps are now being taken to correct this condition.

No. 329.—Retail Trade in the United States: By Kind of Business, 1929—Continued

Kind of business (Description of stores not identical with commodities sold)	Number of stores	Net sales (thousands of dollars)	Per cent of total net sales
Apparel group, total	**112,960**	**4,315,234**	**8.62**
Men's shops—men's and boys' clothing and furnishings:			
Men's and boys' clothing	4,027	217,790	.43
Hats and caps (men's and boys')	1,365	38,680	.08
Men's furnishings	9,038	209,298	.42
Men's clothing and furnishings	13,763	812,817	1.62
Women's and children's ready-to-wear shops:			
Children's specialty shops	994	24,094	.05
Women's ready-to-wear specialty shops—apparel and accessories	18,403	1,088,905	2.18
Clothing stores—men's, women's, and children's	9,484	560,324	1.12
Millinery shops	12,845	165,956	.33
Shoe stores:			
Men's	1,318	58,925	.12
Women's	1,595	125,303	.25
Men's, women's, and children's	21,452	615,041	1.23
Furriers—fur shops	2,306	107,507	.21
Hosiery shops	1,936	55,413	.11
Knit-goods shops	424	11,229	.02
Other apparel and accessories shops:			
Corsets and lingerie shops	1,900	37,242	.08
Custom tailors	11,263	164,677	.33
Dressmakers	432	10,229	.02
Infants' wear shops	277	10,299	.02
Umbrella shops (umbrellas, parasols, canes)	118	1,053	(2)
Other apparel and accessories	20	454	(2)
Furniture and household group, total	**44,417**	**2,286,008**	**4.57**
Furniture stores	25,070	1,524,381	3.04
Drapery, curtain, and upholstery stores	958	20,246	.04
Floor-covering stores	1,517	105,091	.21
China, glassware, tinware, aluminum ware, etc.:			
Aluminum ware	45	2,950	.01
China, glassware, crockery, tinware, enamelware	1,084	45,778	.09
Household-appliance stores:			
Household appliances (electrical)	8,033	264,332	.53
Household appliances (other than electrical)	2,150	110,196	.22
Refrigeration (electric only)	392	37,935	.07
Refrigeration (electric and gas)	208	13,346	.03
Other home furnishing and appliance stores:			
Antique furniture with some used furniture	511	8,066	.02
Brushes and brooms	250	7,591	.01
Pictures and framing	675	9,082	.02
Stoves and ranges	519	8,396	.02
Antique shops	1,339	49,802	.10
Awnings, flags, banners, window shades, and tents	821	15,478	.03
Interior decorators' stores	619	59,441	.12
Lamps and shades	223	3,788	.01
Other home furnishings and appliances	3	108	(2)
Restaurants and eating places, total	**135,674**	**2,097,171**	**4.19**
Cafeterias	2,124	181,471	.36
Restaurants	36,011	918,017	1.83
Lunch rooms	55,045	695,211	1.39
Lunch counters, refreshment stands, box lunches:			
Box lunches	148	6,092	.01
Lunch counters	29,645	199,142	.40
Fountains, soft drinks, bottled beverages:			
Fountains	802	11,637	.02
Fountain and lunch	1,761	37,731	.08
Soft-drink stands	9,478	35,169	.07
Bottled waters	660	12,700	.03
Lumber and building group, total	**79,839**	**3,637,054**	**7.27**
Lumber and building materials, at retail (including roofing):			
Lumber and building materials	21,672	1,892,604	3.78
Lumber and hardware	2,661	181,124	.36
Roofing	2,929	51,476	.10
Hardware stores	26,556	861,648	1.72
Electrical shops [3]	4,008	105,430	.21
Heating and plumbing (including heating appliances):			
Heating appliances and oil burners	1,635	64,163	.13
Plumbing, heating, ventilating (including fixtures)	11,352	279,659	.56
Paint and glass stores:			
Glass and mirror shops	1,278	22,367	.05
Paint and glass stores	7,749	178,58	.36

[2] Less than one-hundredth of 1 per cent.
[3] See also radio and electrical shops under "Other retail stores."

No. 329.—Retail Trade in the United States: By Kind of Business, 1929—Continued

Kind of business (Description of stores not identical with commodities sold)	Number of stores	Net sales (thousands of dollars)	Per cent of total net sales
Other retail stores, total	**252, 680**	**7, 619, 756**	**15. 23**
Bookstores	2, 647	112, 267	.22
Cigar stores and cigar stands:			
Cigar stores with fountains	3, 651	58, 501	.12
Cigar stands	11, 330	86, 955	.17
Cigar stores without fountains	18, 400	271, 784	.54
Coal and wood, ice dealers:			
Coal and wood yards	16, 123	979, 960	1. 96
Ice dealers (except manufacturers)	3, 771	87, 971	.17
Coal and feed dealers [1]	2, 532	197, 423	.39
Drug stores:			
Drug stores without fountains	23, 451	545, 681	1. 09
Drug stores with fountains	34, 265	1, 138, 153	2. 27
Feed stores, farm implements, and farmers' supplies:			
Farm implements, machinery, and equipment	5, 840	234, 249	.47
Farm implements, hay, grain, and feed	954	64, 074	.13
Feed stores	11, 650	609, 644	1. 22
Fertilizer stores	1, 191	24, 838	.05
Harness shops	3, 585	22, 634	.04
Farmers' supplies (including ranch, dairy, and beekeeping supplies)	5, 842	273, 034	.55
Florists	9, 301	177, 489	.35
Gift shops—novelties, toys:			
Toy shops	629	12, 056	.02
Art and gift shops	3, 130	38, 417	.08
Novelty and souvenir shops	2, 473	28, 207	.06
Jewelry stores:			
Jewelry stores (installment credit)	612	59, 090	.12
Jewelry stores	19, 483	477, 854	.96
Luggage and leather-goods stores	1, 429	42, 707	.09
Musical instruments and music stores (without radio)	2, 174	43, 138	.09
News dealers	7, 643	127, 944	.26
Office, school, and store supplies and equipment dealers:			
Office and school supplies	1, 427	68, 817	.14
Office and store mechanical appliances, at retail	1, 410	121, 046	.24
Office and store furniture and equipment dealers	1, 118	102, 596	.21
Store fixtures	358	18, 433	.04
Typewriters	833	41, 229	.08
Opticians and optometrists	2, 984	49, 515	.10
Radio and music stores:			
Radio and electrical shops	10, 915	296, 066	.59
Radios and musical instruments	4, 384	239, 187	.48
Sporting goods, athletic and playground equipment stores:			
Sporting goods specialty stores (including athletic equipment)	1, 423	49, 032	.10
Sporting goods, toys, and stationery	583	19, 921	.04
Scientific and medical instruments and supplies, at retail	658	40, 172	.08
Scientific and medical office equipment	10	1, 031	[2]
Seeds, bulbs, and nursery stock dealers	1, 454	70, 968	.14
Stationers and printers:			
Blank books, accounting, and legal forms	120	6, 665	.01
Paper and paper products	418	13, 710	.03
Printers and lithographers (retail sales)	1, 209	17, 580	.04
Stationers and engravers (retail sales)	2, 340	78, 195	.16
Not otherwise specified:			
Art galleries (sales)	134	31, 892	.06
Artists' supplies	90	3, 880	.01
Auction houses (miscellaneous goods at auction)	173	21, 205	.04
Autographs, philatelists (stamps)	84	1, 704	[2]
Barbers' supplies, at retail	188	5, 080	.01
Beauty shops and barber shops, merchandise sales	1, 551	17, 431	.03
Blacksmiths	462	4, 002	.01
Cameras and photographic supplies	730	28, 902	.06
Carriages and wagons	34	1, 100	.01
Chemicals, other than drugs	146	6, 584	.01
Cooperage—barrels, boxes, crates, casks (retail only)	72	2, 174	[2]
Dental supplies, at retail	211	15, 576	.03
Toilet articles and preparations (including perfumes)	747	16, 097	.03
Embroidery, needlework, and stamped goods	834	8, 105	.02
Iron, steel, and metals, at retail	145	5, 094	.01
Leather and findings, at retail	233	4, 767	.01
Livestock dealers	1, 322	36, 999	.07
Machinery	543	51, 538	.10
Malt products and supplies	2, 183	27, 317	.05
Monuments and tombstones	2, 561	49, 835	.10
Patent medicines, remedies, perfumes, extracts, etc	1, 295	16, 951	.03
Pet shops (animals, birds, etc.)	878	7, 734	.02
Regalia, badges, and emblems	156	6, 363	.01

[2] Less than one hundredth of 1 per cent.
[1] Classification used only in places having less than 10,000 inhabitants.

No. 329.—Retail Trade in the United States: By Kind of Business, 1929—Continued

Kind of business (Description of stores not identical with commodities sold)	Number of stores	Net sales (thousands of dollars)	Per cent of total net sales
Other retail stores—Continued.			
Not otherwise specified—Continued.			
Religious goods stores (including religious books)	417	19,367	0.04
Rubber goods stores	138	5,939	.01
Rubber stamps	108	3,451	.01
Sanitary supplies (insecticides, disinfectants)	356	9,949	.02
Scales and balances	30	1,664	.01
Sign shops	544	10,027	.02
Undertakers' funeral supplies (include some service)	9,331	182,406	.36
Women's exchanges	62	3,206	.01
Unclassified	3,455	68,588	.14
Secondhand stores, total	14,665	152,964	.31
Tires, accessories, and parts (motor cycles, bicycles, and supplies, secondhand)	2,005	20,012	.04
Tires and batteries (secondhand)	506	2,599	.01
Furniture (secondhand)	5,640	39,963	.08
Pawnshops (sales)	1,468	34,212	.07
Clothing, shoes, etc. (secondhand)	2,357	11,451	.03
Building materials and hardware (secondhand)	239	8,628	02
Hardware stores (secondhand)	175	1,975	[2]
Books (secondhand)	157	2,247	[2]
Offices appliances (secondhand, including typewriters)	104	2,375	[2]
Store fixtures and equipment (secondhand)	159	2,893	.01
Used barrels, boxes, crates, casks, sawdust, etc.	313	8,045	.02
Machinery (secondhand, including secondhand pipe)	161	6,749	.01
Household appliances (secondhand)	108	1,245	[2]
Harness repairs	203	1,257	[2]
Other secondhand stores	1,070	9,311	.02

[2] Less than one-hundredth of 1 per cent.

No. 330.—RETAIL TRADE: Number of Stores and Net Sales, by States, 1929

Division and State	Number of stores	Net sales (thousands of dollars)	Per capita sales (dollars)	Division and State	Number of stores	Net sales (thousands of dollars)	Per capita sales (dollars)
United States	1,549,168	50,033,825	407.52	**South Atlantic—Con.**			
				Virginia	20,222	596,784	246.42
New England	108,187	3,783,539	468.31	West Virginia	17,283	442,119	255.68
Maine	11,096	309,934	388.67	North Carolina	28,958	744,136	234.72
New Hampshire	6,514	181,500	390.08	South Carolina	15,082	299,037	171.98
Vermont	5,169	152,074	422.89	Georgia	28,768	617,543	212.32
Massachusetts	53,855	2,058,887	484.49	Florida	22,411	497,601	338.92
Rhode Island	9,488	316,573	460.47				
Connecticut	22,065	764,571	475.80	**East South Central**	89,528	2,180,195	220.51
				Kentucky	27,207	592,008	226.43
Middle Atlantic	388,642	13,180,592	500.01	Tennessee	23,498	649,857	248.36
New York	189,921	7,239,632	575.12	Alabama	21,432	524,472	198.19
New Jersey	60,203	1,851,405	458.12	Mississippi	17,331	413,858	205.92
Pennsylvania	136,518	4,089,555	419.42				
				West South Central	136,193	3,749,545	307.92
East North Central	313,814	11,441,320	452.28	Arkansas	18,040	411,491	221.89
Ohio	84,042	3,056,748	459.89	Louisiana	23,405	470,018	223.65
Indiana	41,796	1,229,294	379.59	Oklahoma	27,490	793,869	331.33
Illinois	97,074	3,687,370	483.23	Texas	67,258	2,074,164	356.10
Michigan	56,290	2,235,570	461.67				
Wisconsin	39,612	1,232,338	419.30	**Mountain**	44,812	1,572,206	423.76
				Montana	6,996	240,082	449.58
West North Central	172,725	5,431,274	408.48	Idaho	4,947	169,471	380.81
Minnesota	31,027	1,071,787	418.02	Wyoming	2,955	101,399	419.53
Iowa	32,991	976,154	395.05	Colorado	14,063	497,852	480.65
Missouri	47,216	1,490,146	410.58	New Mexico	4,204	120,855	235.50
North Dakota	8,131	232,810	341.94	Arizona	5,044	192,418	441.76
South Dakota	8,990	262,148	378.36	Utah	5,291	200,041	393.90
Nebraska	18,350	599,630	435.16	Nevada	1,312	50,088	550.06
Kansas	26,020	798,599	424.56				
				Pacific	122,874	4,503,055	549.53
South Atlantic	169,393	4,242,099	268.60	Washington	22,209	774,340	495.29
Delaware	3,623	99,194	416.11	Oregon	14,640	460,170	482.50
Maryland	21,129	613,812	376.22	California	86,025	3,268,545	575.73
Dist. of Columbia	5,917	331,873	681.65				

Source of Tables 329 and 330: Bureau of the Census, Department of Commerce.

No. 331.—RETAIL TRADE: SUMMARY FOR EACH

[Amounts in thou

City	Number of stores	Number of employees (full-time)	Salaries and wages	Inventory (at cost), end of year	Net sales	
					Total	Food group
Akron, Ohio	3,054	11,151	17,042	15,807	139,538	32,617
Albany, N. Y	1,807	8,521	12,152	17,449	101,809	20,030
Atlanta, Ga	3,910	18,495	21,835	18,879	165,107	32,208
Baltimore, Md	12,332	35,928	44,316	42,787	380,451	113,092
Birmingham, Ala	2,820	14,274	17,504	18,331	133,562	25,957
Boston, Mass	10,047	66,933	94,902	80,483	685,755	116,186
Bridgeport, Conn	2,169	6,523	9,637	10,387	81,192	20,114
Buffalo, N. Y	9,782	27,511	30,456	47,070	346,447	88,812
Cambridge, Mass	1,488	4,387	6,429	5,465	54,674	17,123
Camden, N. J	1,854	4,348	6,272	7,300	54,136	15,373
Canton, Ohio	1,436	5,251	7,305	7,489	63,280	15,583
Chattanooga, Tenn	1,357	5,802	6,944	8,126	59,098	13,885
Chicago, Ill	43,625	171,749	275,137	267,073	2,153,627	427,535
Cincinnati, Ohio	6,991	25,344	36,281	36,643	291,572	73,413
Cleveland, Ohio	12,009	46,347	68,657	61,726	534,241	119,147
Columbus, Ohio	3,745	16,363	22,189	20,881	169,966	39,189
Dallas, Texas	3,475	17,594	22,971	25,756	181,234	29,950
Dayton, Ohio	2,015	10,317	14,891	15,225	118,897	24,850
Denver, Colo	4,478	19,679	26,318	28,807	224,370	57,653
Des Moines, Iowa	2,045	8,903	11,917	10,576	92,957	16,515
Detroit, Mich	17,187	68,315	111,853	90,859	882,087	194,579
Duluth, Minn	1,296	5,688	7,438	8,274	56,335	14,244
Elizabeth, N. J	2,183	4,094	6,565	8,017	62,701	17,557
El Paso, Tex	1,315	5,304	6,353	8,141	54,849	10,635
Erie, Pa	1,888	5,055	6,894	9,358	59,234	14,301
Evansville, Ind	1,588	4,820	6,215	6,486	47,426	11,976
Fall River, Mass	1,548	4,002	4,913	6,037	45,724	13,918
Flint, Mich	1,774	7,007	11,000	10,554	94,521	21,423
Fort Wayne, Ind	1,483	6,550	8,944	9,223	74,052	15,170
Fort Worth, Tex	1,990	9,541	11,853	15,627	108,764	17,681
Gary, Ind	1,291	3,975	5,472	6,200	48,257	13,729
Grand Rapids, Mich	2,589	10,006	14,368	14,455	116,445	22,755
Hartford, Conn	2,353	12,537	18,211	17,130	134,702	28,008
Houston, Tex	3,846	17,348	22,724	23,149	185,471	38,785
Indianapolis, Ind	4,920	23,153	28,382	26,643	220,457	47,246
Jacksonville, Fla	2,045	7,592	8,692	10,051	64,492	15,227
Jersey City, N. J	4,371	7,505	12,565	15,629	120,073	40,158
Kansas City, Kans	1,599	3,100	4,101	4,948	40,875	11,946
Kansas City, Mo	6,274	34,765	45,411	47,073	354,622	52,589
Knoxville, Tenn	1,384	5,568	6,494	7,090	55,888	12,859
Long Beach, Calif	2,115	5,707	8,525	10,517	78,573	15,976
Los Angeles, Calif	17,988	74,938	116,147	123,849	914,071	141,910
Louisville, Ky	3,968	16,302	19,314	20,104	155,563	37,794
Lowell, Mass	1,542	4,021	5,270	5,882	46,047	13,700
Lynn, Mass	1,438	4,407	5,936	5,942	51,541	16,375
Memphis, Tenn	3,190	15,527	18,328	19,292	154,640	27,748
Miami, Fla	2,399	6,763	8,149	9,861	71,877	14,958
Milwaukee, Wis	8,717	27,707	42,389	41,855	347,422	86,775
Minneapolis, Minn	6,023	29,710	38,990	37,534	304,331	61,415
Nashville, Tenn	1,863	9,145	10,674	12,065	93,603	19,083
Newark, N. J	7,179	26,045	41,746	39,346	328,119	70,289
New Bedford, Mass	1,908	4,560	5,544	7,570	51,806	15,301
New Haven, Conn	3,229	9,214	13,928	18,126	114,488	22,738
New Orleans, La	7,906	18,920	20,140	23,504	158,295	37,139
New York, N. Y	103,623	316,201	522,540	617,934	4,402,876	1,088,248
Norfolk, Va	2,146	7,383	9,159	10,607	68,188	15,303
Oakland, Calif	5,102	16,392	25,288	28,556	204,437	51,813
Oklahoma City, Okla	2,441	10,990	14,218	15,014	119,532	18,074
Omaha, Nebr	2,702	11,890	16,169	17,070	124,519	24,818
Paterson, N. J	2,182	5,577	9,286	12,398	85,773	20,953
Peoria, Ill	1,444	7,117	8,845	10,775	70,362	14,154
Philadelphia, Pa	34,180	102,318	134,642	152,355	1,122,168	252,459
Pittsburgh, Pa	8,624	42,616	63,248	60,086	454,214	102,722
Portland, Oreg	5,182	19,309	26,851	32,346	211,750	43,841
Providence, R. I	4,035	15,965	22,318	21,439	172,717	34,902
Reading, Pa	1,805	6,112	8,615	10,504	73,558	15,737
Richmond, Va	2,570	10,607	13,800	14,434	102,201	22,691

[1] Cities of 100,000 or more inhabitants according to the census of April 1, 1930.

CITY OF 100,000 OR MORE INHABITANTS, 1929

sands of dollars]

Net sales—Continued							City
General merchandise group	Automotive group	Apparel group	Furniture and household group	Restaurants and eating places	Lumber and building group	All other stores	
25,020	29,500	11,574	7,185	6,145	9,231	18,266	Akron, Ohio.
18,713	17,547	14,922	5,082	4,981	4,681	15,803	Albany, N. Y.
26,047	30,235	18,069	11,133	9,016	8,856	29,545	Atlanta, Ga.
58,129	49,808	35,245	21,331	12,848	22,723	67,185	Baltimore, Md.
20,872	26,225	12,066	6,857	4,712	6,077	21,196	Birmingham, Ala.
176,892	85,341	84,020	35,897	43,987	21,190	122,242	Boston, Mass.
12,975	15,939	8,227	4,631	2,752	6,063	10,491	Bridgeport, Conn.
52,043	62,429	43,571	17,576	19,937	17,916	44,163	Buffalo, N. Y.
6,206	8,540	4,682	2,111	3,698	3,628	8,686	Cambridge, Mass.
8,824	9,257	3,576	5,369	2,232	2,303	7,202	Camden, N. J.
7,967	15,364	6,998	4,281	2,468	3,514	7,105	Canton, Ohio.
8,681	11,158	5,900	4,730	2,470	3,702	8,572	Chattanooga, Tenn.
505,783	252,380	244,742	103,256	129,815	101,870	388,246	Chicago, Ill.
43,840	40,566	37,455	19,968	14,541	15,642	49,142	Cincinnati, Ohio.
111,354	86,263	54,016	33,608	27,084	25,493	77,276	Cleveland, Ohio.
26,808	30,318	19,874	8,591	8,271	11,924	24,991	Columbus, Ohio.
43,490	36,112	15,851	8,197	7,847	11,450	28,337	Dallas, Tex.
21,675	24,464	11,855	8,378	4,594	7,434	15,647	Dayton, Ohio.
40,941	41,333	17,145	11,547	9,552	7,728	38,466	Denver, Colo.
15,840	19,770	10,134	5,985	4,363	5,307	15,043	Des Moines, Iowa.
158,810	154,956	95,422	40,403	53,722	61,145	123,050	Detroit, Mich.
7,579	10,447	8,258	2,591	2,176	3,286	7,764	Duluth, Minn.
8,584	10,103	6,270	3,607	2,363	6,425	7,792	Elizabeth, N. J.
10,771	12,023	3,892	3,964	2,203	2,750	8,501	El Paso, Tex.
7,287	12,632	7,327	3,988	1,845	3,521	8,333	Erie, Pa.
5,038	8,664	5,934	3,294	2,053	3,887	6,580	Evansville, Ind.
5,649	7,189	4,475	2,473	1,349	2,796	7,925	Fall River, Mass.
9,358	21,324	9,221	5,551	3,829	11,585	12,230	Flint, Mich.
10,440	16,714	7,617	3,290	3,028	4,871	12,922	Fort Wayne, Ind.
20,293	21,099	8,537	7,974	4,303	7,358	21,429	Fort Worth, Tex.
5,068	8,203	5,254	2,783	2,281	4,649	5,300	Gary, Ind.
16,155	24,897	13,145	7,295	3,336	9,841	19,021	Grand Rapids, Mich.
27,486	21,887	14,787	7,205	6,521	8,452	20,361	Hartford, Conn.
20,068	42,591	18,802	12,224	9,399	16,241	27,271	Houston, Tex.
41,512	42,326	16,848	13,175	9,014	12,548	37,788	Indianapolis, Ind.
8,027	11,696	6,849	4,050	3,392	2,911	12,340	Jacksonville, Fla.
7,052	12,094	13,548	7,736	4,892	5,641	23,852	Jersey City, N. J.
2,800	9,000	1,920	1,932	1,128	4,648	7,441	Kansas City, Kans.
106,365	54,662	29,327	16,749	17,919	15,604	61,407	Kansas City, Mo.
8,886	10,722	4,269	4,274	1,965	4,299	8,614	Knoxville, Tenn.
10,878	17,670	9,729	4,305	3,808	4,619	11,426	Long Beach, Calif.
151,604	220,227	91,337	51,667	59,750	54,643	142,933	Los Angeles, Calif.
19,314	26,538	20,486	7,951	7,130	8,776	27,574	Louisville, Ky.
6,322	5,484	5,049	2,712	2,000	2,626	8,174	Lowell, Mass.
6,059	8,374	4,363	2,180	2,709	2,203	8,678	Lynn, Mass.
42,321	26,848	12,588	7,818	6,935	8,163	22,219	Memphis, Tenn.
9,519	16,097	6,236	3,008	4,643	5,880	11,536	Miami, Fla.
46,628	55,691	39,897	21,788	17,116	21,149	58,378	Milwaukee, Wis.
76,786	44,856	31,391	13,488	14,237	16,486	45,672	Minneapolis, Minn.
13,361	18,711	9,843	5,410	3,774	8,484	14,937	Nashville, Tenn.
73,619	49,257	35,187	17,584	16,621	18,115	47,447	Newark, N. J
5,425	7,531	6,476	2,651	1,732	2,268	10,422	New Bedford, Mass.
11,715	18,712	17,807	7,187	5,681	8,392	22,256	New Haven, Conn.
22,536	22,345	21,692	8,202	9,523	9,494	27,364	New Orleans, La.
601,389	400,240	689,322	298,120	329,058	175,921	820,078	New York, N. Y.
9,081	10,841	9,574	3,494	2,613	4,420	12,912	Norfolk, Va.
35,830	40,440	17,944	12,661	10,362	9,196	26,185	Oakland, Calif.
16,480	27,680	12,912	7,346	7,428	12,071	17,541	Oklahoma City, Okla.
18,452	23,496	14,213	6,129	6,030	8,455	22,926	Omaha, Nebr.
12,624	15,009	12,095	5,097	2,704	6,032	11,259	Paterson, N. J.
9,990	13,953	7,837	4,311	2,722	4,571	12,824	Peoria, Ill.
258,574	127,971	144,587	48,963	55,667	38,395	195,532	Philadelphia, Pa.
119,320	91,369	39,948	28,197	19,190	21,422	62,046	Pittsburgh, Pa.
43,855	41,013	17,116	9,390	12,061	12,149	32,325	Portland, Oreg.
30,538	28,322	19,125	9,180	8,553	10,889	31,208	Providence, R. I.
10,228	14,134	8,642	4,962	2,033	6,018	11,209	Reading, Pa.
18,317	16,934	10,912	6,395	3,170	5,687	18,095	Richmond, Va.

No. 331.—Retail Trade: Summary for Each City of 100,000 or More Inhabitants, 1929—Continued

[Amounts in thousands of dollars]

City	Number of stores	Number of employees (full-time)	Salaries and wages	Inventory at cost end of year	Net sales	
					Total	Food group
Rochester, N. Y.	5,190	18,203	25,479	29,071	209,393	52,430
St. Louis, Mo.	12,627	45,575	60,830	63,404	472,270	105,814
St. Paul, Minn.	3,143	15,315	20,111	22,239	172,144	37,004
Salt Lake City, Utah	1,576	8,696	11,700	11,944	92,980	14,525
San Antonio, Tex.	3,329	13,273	14,749	16,831	123,052	21,267
San Diego, Calif.	2,362	7,704	11,098	13,804	94,414	18,439
San Francisco, Calif.	11,034	44,562	70,302	74,571	499,060	95,053
Scranton, Pa.	2,370	7,713	10,182	12,702	80,267	18,001
Seattle, Wash.	5,662	23,016	34,043	33,489	258,935	52,346
Somerville, Mass.	898	2,277	3,478	2,364	29,632	15,992
South Bend, Ind.	1,525	5,900	8,617	8,760	69,241	14,472
Spokane, Wash.	1,712	6,532	9,498	11,270	77,196	16,561
Springfield, Mass.	2,220	9,528	13,559	14,070	109,055	23,676
Syracuse, N. Y.	3,128	12,011	16,786	18,077	138,066	28,106
Tacoma, Wash.	1,595	5,159	7,500	9,245	61,938	14,338
Tampa, Fla.	1,894	4,987	5,709	7,907	49,179	10,377
Toledo, Ohio	3,743	14,414	22,198	20,832	174,047	38,204
Trenton, N. J.	2,035	6,447	9,071	10,627	77,642	19,037
Tulsa, Okla.	1,589	8,999	12,493	13,690	93,334	15,393
Utica, N. Y.	1,700	4,684	6,542	8,979	56,846	13,405
Washington, D. C.	5,917	30,677	43,650	37,129	331,874	81,858
Wichita, Kans.	1,618	7,265	9,807	10,593	81,161	13,693
Wilmington, Del.	1,930	5,407	7,316	8,503	65,149	15,275
Worcester, Mass.	2,321	9,487	12,403	14,190	108,556	28,463
Yonkers, N. Y.	1,849	3,597	6,259	7,092	61,184	23,278
Youngstown, Ohio	2,930	9,161	13,249	12,336	101,517	22,252

City	Net sales—Continued						
	General merchandise group	Automotive group	Apparel group	Furniture and household group	Restaurant and eating places	Lumber and building group	All other stores
Rochester, N. Y.	35,250	34,693	21,672	10,815	6,981	14,313	33,239
St. Louis, Mo.	91,207	76,866	45,239	28,631	23,460	22,284	78,769
St. Paul, Minn.	51,016	26,998	13,800	5,645	5,766	5,911	26,004
Salt Lake City, Utah	15,555	19,435	8,846	7,091	3,308	7,403	16,722
San Antonio, Tex.	17,380	30,238	11,794	7,378	5,718	10,042	19,235
San Diego, Calif.	13,484	24,204	8,306	4,789	5,694	6,483	12,925
San Francisco, Calif.	63,896	91,363	68,004	20,438	45,283	19,991	86,032
Scranton, Pa.	14,382	12,436	11,148	5,949	2,508	4,086	11,757
Seattle, Wash.	48,448	48,083	23,266	10,723	15,526	17,281	43,262
Somerville, Mass.	1,665	3,521	1,112	759	825	1,196	4,662
South Bend, Ind.	9,498	16,253	7,288	2,962	3,076	6,092	9,600
Spokane, Wash.	13,155	19,686	6,166	2,909	3,816	3,725	12,178
Springfield, Mass.	19,313	21,007	12,404	5,172	4,423	6,193	16,867
Syracuse, N. Y.	19,200	25,673	16,182	9,053	6,232	8,686	24,934
Tacoma, Wash.	10,348	14,432	4,610	2,720	1,940	4,939	8,611
Tampa, Fla.	6,854	10,925	4,990	2,295	3,419	3,182	7,137
Toledo, Ohio	25,690	35,728	17,674	9,965	8,228	12,301	26,857
Trenton, N. J.	13,746	13,743	7,515	4,049	1,965	6,161	11,426
Tulsa, Okla.	11,807	23,267	10,218	4,827	4,087	9,971	13,154
Utica, N. Y.	6,543	11,309	7,756	3,317	2,560	2,587	9,369
Washington, D. C.	52,768	50,215	42,275	12,980	18,145	15,414	58,210
Wichita, Kans.	11,702	19,074	7,078	5,511	4,103	7,346	12,649
Wilmington, Del.	7,131	12,191	7,188	4,331	2,213	4,293	12,527
Worcester, Mass.	17,180	19,612	12,611	4,496	4,373	5,103	16,704
Yonkers, N. Y.	3,592	8,651	6,366	2,343	3,373	3,344	10,237
Youngstown, Ohio	17,131	18,335	10,233	4,858	2,992	12,062	13,654

Source: Bureau of the Census, Department of Commerce.

No. 332.—COMMERCIAL FAILURES: NUMBER AND ASSETS AND LIABILITIES

Calendar year	Number of failures	Aggregate liabilities	Average liability	Calendar year	Total number of concerns in business	Number of failures	Aggregate assets	Aggregate liabilities	Average liability
		1,000 dollars	*Dollars*				*1,000 dollars*	*1,000 dollars*	*Dollars*
1858	4,225	95,749	22,662	1895	1,209,282	13,197	21,022	173,196	13,124
1859	3,913	64,394	16,456	1896	1,151,579	15,088	56,082	226,096	14,985
1860	3,676	79,807	21,710	1897	1,058,521	13,351	85,014	154,382	11,559
1861	6,993	207,210	29,631						
				1898	1,105,830	12,186	52,577	130,663	10,722
1862	1,652	23,049	13,952	1899	1,147,505	9,337	50,221	90,880	9,733
1863	495	7,899	15,958	1900	1,174,300	10,774	78,080	138,496	12,854
1864	520	8,579	16,498						
1865	530	17,625	33,255	1901	1,219,242	11,002	55,456	113,092	10,279
				1902	1,253,172	11,615	58,730	117,477	10,137
1866	1,505	53,783	35,736	1903	1,281,481	12,069	90,014	155,444	12,879
1867	2,780	96,666	34,772	1904	1,320,172	12,199	84,498	144,202	11,820
1868	2,608	63,694	24,423	1905	1,357,455	11,520	57,826	102,676	8,913
1869	2,799	75,054	26,815						
1870	3,546	88,242	24,885	1906	1,392,949	10,682	66,610	119,202	11,159
				1907	1,418,075	11,725	138,536	197,385	16,834
1871	2,915	85,252	29,246	1908	1,447,554	15,690	146,199	222,316	14,169
1872	4,069	121,056	29,751	1909	1,486,389	12,924	102,773	154,603	11,963
1873	5,183	228,499	44,086	1910	1,515,143	12,652	136,538	201,757	15,947
1874	5,830	155,239	26,628						
1875	7,740	201,060	25,977	1911	1,525,024	13,441	124,517	191,062	14,215
				1912	1,564,279	15,452	126,287	203,117	13,145
1876	9,092	191,118	21,020	1913	1,616,517	16,037	174,688	272,672	17,003
1877	8,872	190,670	21,491	1914	1,655,496	18,280	265,293	357,909	19,579
1878	10,478	234,383	22,369	1915	1,674,788	22,156	183,454	302,286	13,644
1879	1,658	98,149	14,741						
1880	4,735	95,352	13,886	1916	1,707,639	16,993	113,509	196,212	11,547
				1917	1,733,225	13,855	103,405	182,441	13,168
1881	5,582	81,156	14,530	1918	1,708,061	9,982	101,638	163,020	16,331
1882	6,738	101,548	15,070	1919	1,710,909	6,451	67,038	113,201	17,561
1883	9,184	172,874	18,823	1920	1,821,409	8,881	195,504	295,122	33,230
1884	10,968	226,343	20,632						
1885	10,637	134,220	11,678	1921	1,927,304	19,652	409,038	627,402	31,926
				1922	1,983,106	23,676	413,358	623,896	26,351
1886	9,834	114,644	11,651	1923	1,996,004	18,718	388,382	539,387	28,816
1887	9,634	107,561	17,391	1924	2,047,302	20,615	337,945	543,225	26,351
1888	10,679	123,830	12,559	1925	2,113,312	21,214	248,007	443,744	20,918
1889	10,882	148,784	13,692						
1890	10,907	189,857	17,406	1926	2,158,457	21,773	202,345	409,232	18,795
				1927	2,171,688	23,146	256,740	520,104	22,471
1891	12,273	189,869	15,471	1928	2,199,049	23,842	255,478	489,560	20,533
1892	10,344	114,044	11,025	1929	2,212,770	22,909	226,028	483,250	21,094
1893	15,242	346,780	22,751	1930	2,183,008	26,355	442,800	608,284	25,357
1894	13,885	172,993	12,458						

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Number of failures:												
1920	569	492	566	504	547	674	681	673	677	923	1,050	1,525
1921	1,805	1,641	1,336	1,487	1,356	1,320	1,444	1,562	1,466	1,713	1,988	2,444
1922	2,723	2,331	2,463	2,167	1,960	1,740	1,753	1,714	1,566	1,708	1,737	1,814
1923	2,120	1,508	1,682	1,520	1,530	1,358	1,231	1,319	1,226	1,673	1,704	1,841
1924	2,103	1,730	1,817	1,707	1,816	1,607	1,615	1,520	1,306	1,696	1,653	2,040
1925	2,317	1,793	1,859	1,939	1,767	1,745	1,685	1,513	1,465	1,831	1,672	1,878
1926	2,296	1,801	1,984	1,957	1,730	1,708	1,605	1,593	1,437	1,763	1,830	2,069
1927	2,465	2,035	2,143	1,968	1,852	1,833	1,756	1,708	1,573	1,787	1,864	2,162
1928	2,643	2,176	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	1,796	2,037
1930	2,759	2,262	2,347	2,198	2,179	2,026	2,028	1,913	1,963	2,124	2,031	2,525
Liabilities (1,000 dollars):												
1920	7,240	9,763	12,699	13,224	10,826	32,991	21,906	28,373	29,554	38,915	30,755	58,872
1921	52,137	60,852	67,409	38,568	57,066	34,639	42,774	42,904	37,021	53,059	53,470	87,502
1923	73,796	72,608	71,608	73,059	44,403	38,242	40,010	40,280	36,908	34,647	40,265	58,000
1923	49,210	40,628	48,393	51,492	41,022	28,678	35,721	34,335	28,699	79,302	50,202	51,615
1924	51,273	35,942	97,651	48,901	36,591	34,099	36,813	55,154	34,296	36,099	31,124	45,279
1925	54,354	40,123	34,005	37,189	37,027	35,701	34,505	37,150	30,687	29,544	35,922	36,528
1926	43,651	34,176	30,023	38,487	33,543	29,403	29,680	28,130	29,990	33,231	32,694	45,620
1927	51,290	46,941	57,891	53,156	37,785	34,465	43,150	39,196	32,786	36,236	36,147	51,062
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	32,420	33,746	34,125	31,314	52,046	67,405
1930	61,185	51,320	56,846	49,059	55,541	63,131	39,826	49,181	46,947	56,207	55,261	83,683

Source: Dun's Review, New York, N. Y.

No. 333.—COMMERCIAL FAILURES: By States

[Assets and liabilities in thousands of dollars]

Division and State	Number of concerns in business		Number of failures		Per cent of failures		Assets		Liabilities	
	1929	1930	1929	1930	1929	1930	1929	1930	1929	1930
United States	[1] 2,212,779	2,183,008	22,909	26,355	1.04	1.21	226,028	442,800	483,250	668,284
New England	166,723	165,976	2,601	2,819	1.56	1.72	13,619	38,939	54,623	69,511
Maine	17,812	17,132	130	182	.78	1.06	434	1,616	1,343	3,256
New Hampshire	10,750	10,533	71	76	.66	.72	392	247	1,034	814
Vermont	7,564	7,638	53	77	.70	1.01	676	623	995	1,379
Massachusetts	86,837	84,307	1,588	1,608	1.83	1.91	7,019	24,720	34,942	39,669
Rhode Island	12,947	13,272	266	281	2.01	2.12	1,072	1,887	5,991	2,350
Connecticut	30,804	30,074	490	592	1.59	1.91	4,027	9,847	10,318	13,043
Middle Atlantic	569,126	567,756	5,946	7,237	1.04	1.27	74,207	154,440	175,909	223,395
New York	289,252	299,833	3,208	4,079	1.14	1.36	40,186	83,521	104,475	133,782
New Jersey	86,708	87,480	1,256	1,482	1.45	1.69	14,252	33,726	35,924	45,319
Pennsylvania	193,166	180,443	1,392	1,666	.72	1.25	19,770	37,193	35,511	44,293
East North Central	487,955	468,974	4,506	5,647	.96	1.20	52,398	88,388	98,105	134,029
Ohio	120,877	120,098	1,251	1,431	1.03	1.19	14,589	18,773	24,181	29,030
Indiana	60,070	59,447	490	682	.82	1.15	5,626	13,847	10,445	20,836
Illinois	144,497	147,637	1,440	1,766	1.00	1.20	21,025	38,508	41,683	55,017
Michigan	81,278	82,217	674	1,112	.83	1.35	6,527	8,047	11,917	14,702
Wisconsin	61,233	59,575	651	656	1.06	1.10	4,633	9,213	9,874	13,784
West North Central	256,809	247,336	1,971	1,975	.77	.80	18,118	30,089	26,353	45,403
Minnesota	45,480	44,962	407	433	1.09	.96	4,004	3,863	6,304	6,935
Iowa	46,050	46,458	267	262	.58	.56	2,006	3,181	3,075	5,192
Missouri	70,429	69,331	659	743	.86	1.07	5,024	17,720	9,036	26,161
North Dakota	11,985	11,748	42	58	.35	.49	244	394	396	816
South Dakota	12,116	12,084	54	47	.45	.39	308	338	569	505
Nebraska	28,126	27,622	254	202	.90	.73	2,678	3,609	4,244	3,985
Kansas	36,614	35,131	198	230	.54	.65	1,855	1,985	2,727	2,809
South Atlantic	218,008	207,394	2,162	2,231	1.00	1.08	25,296	33,508	39,429	51,204
Delaware	5,170	5,268	23	37	.44	.70	198	1,320	539	2,872
Maryland	33,454	30,714	305	341	.91	1.11	2,820	3,024	4,708	5,993
Dist. of Columbia	10,030	10,207	116	123	1.16	1.21	942	882	2,007	1,526
Virginia	31,966	31,087	243	339	.76	1.09	2,603	3,298	3,980	5,031
West Virginia	25,631	24,674	276	219	1.08	.89	2,581	4,207	3,834	6,735
North Carolina	34,513	33,653	399	414	1.16	1.23	4,031	8,434	7,800	11,079
South Carolina	15,276	14,608	120	131	.79	.89	1,697	1,557	2,319	3,112
Georgia	30,739	29,737	394	387	1.28	1.30	4,269	5,416	6,588	7,403
Florida	29,229	27,356	286	240	.98	.88	5,546	5,275	7,563	7,452
East South Central	115,348	115,696	968	1,228	.83	1.06	9,205	33,160	16,181	51,741
Kentucky	38,042	38,451	203	245	.53	.64	1,954	4,904	2,675	7,876
Tennessee	30,829	31,234	274	298	.89	.95	3,284	20,515	5,549	30,692
Alabama	26,174	25,527	330	425	1.28	1.66	3,020	5,381	5,412	8,277
Mississippi	20,303	20,484	146	260	.72	1.27	939	2,360	2,545	4,896
West South Central	177,582	179,042	1,319	1,577	.74	.88	13,340	21,613	24,443	39,498
Arkansas	24,476	24,209	287	255	1.17	1.05	3,346	6,158	4,762	10,441
Louisiana	25,446	25,483	122	144	.48	.57	873	771	2,461	1,994
Oklahoma	40,136	39,575	432	544	1.08	1.37	5,258	3,809	8,952	5,484
Texas	87,524	89,775	478	634	.55	.71	3,865	10,816	8,268	21,579
Mountain	61,178	60,009	596	709	.97	1.18	4,466	10,425	8,057	16,084
Montana	9,082	9,043	131	153	1.35	1.59	422	1,312	860	2,443
Idaho	7,385	7,385	57	65	.77	.88	1,024	465	2,202	609
Wyoming	4,410	3,895	43	48	.98	1.23	288	366	607	528
Colorado	16,308	18,789	205	182	1.06	.97	1,483	1,427	2,521	2,394
New Mexico	5,641	5,804	24	40	.43	.78	81	207	203	430
Arizona	5,745	5,761	17	70	.30	1.22	48	3,471	80	4,803
Utah	7,013	6,918	113	129	1.61	1.86	1,115	3,078	1,568	4,691
Nevada	1,904	1,754	6	16	.32	.91	6	98	17	186
Pacific	174,323	172,825	2,855	2,945	1.64	1.70	17,379	32,237	40,149	46,420
Washington	34,631	33,524	632	622	1.82	1.86	2,964	6,371	8,304	10,356
Oregon	22,032	21,825	453	387	2.06	1.77	2,734	3,898	4,859	5,762
California	117,660	117,476	1,770	1,936	1.50	1.65	11,680	21,969	26,896	30,302

[1] Total includes net changes reported by supplemental telegraphic reports amounting to 7,727, not distributed by States.

Source: Dun's Review, New York, N. Y.

No. 334.—FAILURES IN MANUFACTURING, TRADING, AND OTHER COMMERCIAL BUSINESS: BY STATES, 1930

[Liabilities in thousands of dollars]

Division and State	Total		Manufacturing		Trading		Agents, brokers, etc.	
	Number	Liabilities	Number	Liabilities	Number	Liabilities	Number	Liabilities
United States	26,355	668,284	6,278	238,639	18,393	272,930	1,684	156,714
New England	2,816	60,511	890	20,735	1,690	21,567	236	18,209
Maine	182	3,256	37	879	127	1,876	18	501
New Hampshire	76	814	19	246	50	496	7	72
Vermont	77	1,379	16	545	56	808	5	26
Massachusetts	1,608	39,669	602	14,971	850	11,776	156	12,922
Rhode Island	281	2,350	66	915	201	1,322	14	113
Connecticut	592	13,043	150	3,179	406	5,290	36	4,575
Middle Atlantic	7,227	223,395	2,125	89,607	4,620	75,407	482	58,381
New York	4,079	133,782	1,206	57,828	2,631	41,153	242	34,801
New Jersey	1,482	45,319	508	17,491	845	12,695	129	15,133
Pennsylvania	1,666	44,293	411	14,287	1,144	21,558	111	8,448
East North Central	5,647	134,029	1,298	50,497	4,019	59,746	330	23,786
Ohio	1,431	29,030	316	9,228	1,027	16,284	88	3,518
Indiana	682	20,835	171	9,711	482	9,303	29	1,822
Illinois	1,766	55,617	427	18,801	1,246	21,023	93	15,794
Michigan	1,112	14,762	190	5,745	843	7,557	79	1,460
Wisconsin	656	13,784	194	7,012	421	5,579	41	1,193
West North Central	1,975	45,403	319	11,946	1,531	25,574	125	7,883
Minnesota	433	5,935	95	1,499	314	4,179	24	258
Iowa	262	5,192	37	1,140	210	2,629	15	1,424
Missouri	743	26,161	132	8,572	559	11,738	52	5,851
North Dakota	58	816	2	31	53	757	3	27
South Dakota	47	505	3	25	42	472	2	9
Nebraska	202	3,985	23	265	160	3,552	19	168
Kansas	230	2,809	27	415	193	2,248	10	147
South Atlantic	2,231	51,204	408	18,065	1,395	28,622	125	4,516
Delaware	37	2,872	5	80	31	2,788	1	3
Maryland	341	5,993	97	2,743	215	2,848	29	402
District of Columbia	123	1,526	27	221	77	920	19	385
Virginia	339	5,031	109	1,962	213	2,734	17	335
West Virginia	219	6,735	32	4,776	170	1,780	17	179
North Carolina	414	11,079	54	3,077	343	7,093	17	910
South Carolina	131	3,112	11	1,092	118	1,861	2	158
Georgia	387	7,403	48	1,752	324	4,122	15	1,530
Florida	240	7,452	25	2,362	207	4,477	8	613
East South Central	1,228	51,741	158	12,234	1,030	15,965	40	23,542
Kentucky	245	7,876	46	5,534	189	2,261	10	81
Tennessee	298	30,692	46	1,943	236	5,601	16	23,149
Alabama	425	8,277	53	3,590	360	4,383	12	304
Mississippi	260	4,896	13	1,168	245	3,721	2	7
West South Central	1,577	39,498	129	4,813	1,395	20,545	53	14,140
Arkansas	255	10,441	26	1,288	222	3,636	7	5,517
Louisiana	144	1,994	14	271	126	1,676	4	48
Oklahoma	544	5,484	33	756	490	4,236	21	492
Texas	634	21,579	56	2,498	557	10,997	21	8,084
Mountain	709	16,084	94	8,413	569	7,206	46	464
Montana	153	2,443	17	722	123	1,646	13	74
Idaho	65	609	7	68	55	526	3	15
Wyoming	48	528	5	74	42	446	1	9
Colorado	182	2,394	25	813	141	1,370	16	211
New Mexico	46	430	5	30	38	348	3	52
Arizona	70	4,803	8	4,094	60	694	2	15
Utah	129	4,691	24	2,531	98	2,106	7	54
Nevada	16	186	3	81	12	70	1	35
Pacific	2,945	46,420	857	22,329	1,841	18,299	247	5,793
Washington	622	10,356	158	4,729	415	4,070	49	1,557
Oregon	387	5,762	115	3,009	246	2,408	26	256
California	1,936	30,302	584	14,501	1,180	11,821	172	3,980

Source: Dun's Review, New York, N. Y.

No. 335.—FAILURES, BY BRANCHES OF BUSINESS

NOTE.—Machinery, vehicles, etc., includes shipbuilding; lumber includes furniture; clothing includes furnishings; chemicals include chemical fertilizers; glass, etc., includes pottery, lime, cement, and stone. In the trading group, groceries include creameries; hotels include lodging houses and caterers; dry goods includes department stores; furniture includes glass and glassware. Agents, brokers, etc., include real estate, insurance, storage, express, harbor lines, etc.

	Number				Aggregate liabilities (in thousands of dollars)				Average liability, 1930 (dollars)
	1927	1928	1929	1930	1927	1928	1929	1930	
Total commercial	23,146	23,842	22,909	26,355	520,104	489,560	483,250	668,284	25,357
Total manufacturing	5,652	5,924	6,007	6,278	211,505	182,478	186,734	238,639	38,012
Iron, foundries, and nails	120	119	143	103	18,126	6,183	6,232	2,970	28,830
Machinery, vehicles, etc.	254	325	295	330	12,953	11,567	11,600	18,836	57,078
Woolens, carpets, and knit goods	36	23	20	30	1,537	3,291	544	2,047	68,241
Cottons, lace, and hosiery	20	15	16	26	4,816	1,847	2,152	4,620	177,692
Lumber, carpenters, and coopers	850	969	1,135	1,041	43,986	50,782	53,631	55,230	53,054
Clothing and millinery	494	557	500	579	12,551	10,337	7,988	16,392	28,312
Hats, gloves, and furs	153	193	183	215	2,491	3,201	3,072	5,426	25,237
Chemicals and drugs	64	85	102	94	3,712	3,655	1,200	3,237	34,439
Paints and oils	11	13	21	20	262	273	336	1,153	57,628
Printing and engraving	264	172	174	212	7,613	3,605	2,571	7,178	33,860
Milling and bakers	461	494	462	449	5,012	7,009	5,607	6,266	13,955
Leather, shoes, and harness	140	155	151	150	7,870	6,543	2,747	7,451	49,673
Tobacco, etc.	104	75	76	73	4,288	980	2,359	1,542	21,126
Glass, earthenware, and brick	91	94	102	115	8,400	2,625	6,825	7,659	66,601
All other	2,620	2,630	2,622	2,841	77,890	71,582	70,779	98,633	34,718
Total trading	16,082	16,477	15,417	18,393	228,194	225,301	224,731	272,930	14,839
General stores	1,214	1,042	1,017	1,197	18,740	13,388	13,289	15,966	13,338
Groceries, meat, and fish	3,543	3,785	3,497	3,309	29,307	30,504	30,150	31,925	9,648
Hotels and restaurants	1,046	1,105	1,172	1,132	18,242	24,362	20,499	20,882	18,447
Tobacco, etc.	232	263	223	272	1,704	1,877	2,303	2,543	9,351
Clothing and furnishings	2,157	2,324	1,933	2,819	28,524	27,892	25,955	35,292	12,519
Dry goods and carpets	1,187	1,121	980	1,267	22,090	17,770	15,943	25,986	20,510
Shoes, rubbers, and trunks	720	681	542	724	8,683	7,064	6,326	7,325	10,117
Furniture and crockery	686	667	659	866	11,593	12,202	14,950	18,195	21,010
Hardware, stoves, and tools	465	507	542	643	7,559	8,337	8,596	9,531	14,823
Chemicals and drugs	714	720	701	982	7,608	7,088	7,644	10,781	10,979
Paints and oils	85	84	91	116	932	791	5,650	1,844	15,894
Jewelry and clocks	420	473	421	493	7,592	8,158	8,206	8,074	16,378
Books and papers	142	144	132	163	2,661	1,651	1,817	1,545	9,478
Hats, furs, and gloves	92	148	128	161	1,592	2,167	4,056	5,048	31,354
All other	3,370	3,404	3,329	4,249	61,367	62,051	59,346	77,993	18,356
Agents, brokers, etc.	1,392	1,441	1,485	1,684	80,405	81,780	71,784	156,714	93,061
Bank failures	394	372	437	934	143,449	129,650	218,797	902,158	972,332

Year	Number of failures					Liabilities (in thousands of dollars)				
	Commercial				Banks	Commercial				Banks
	Total	Manufacturing	Trading	Agents, brokers, etc.		Total	Manufacturing	Trading	Agents, brokers, etc.	
1912	15,452	3,839	11,011	602	79	203,117	86,720	91,780	24,618	24,220
1913	16,037	4,243	11,145	649	120	272,672	123,123	115,115	34,435	31,546
1914	18,280	4,620	12,851	809	212	357,900	135,636	165,865	56,408	56,005
1915	22,166	5,110	16,030	1,010	133	302,286	112,026	150,234	40,026	37,223
1916	16,993	4,196	11,923	874	50	190,212	73,000	91,374	31,839	10,397
1917	13,855	3,691	9,430	734	42	182,441	79,544	70,117	32,781	18,452
1918	9,982	2,766	6,494	722	20	163,020	73,382	57,911	31,727	5,132
1919	6,451	1,865	4,013	573	50	113,291	51,614	37,670	24,007	15,521
1920	8,881	2,635	5,532	714	119	295,122	127,992	88,558	78,571	50,708
1921	19,652	4,495	13,999	1,158	404	627,402	232,907	254,794	139,700	173,028
1922	23,676	5,682	16,923	1,071	277	623,896	214,925	271,388	137,583	77,736
1923	18,718	4,968	13,064	686	578	539,387	281,316	209,930	48,140	203,739
1924	20,615	5,208	14,393	1,014	613	513,225	286,770	203,190	53,265	202,926
1925	21,214	5,090	15,161	963	464	443,744	167,685	215,369	60,691	164,699
1926	21,773	5,395	15,268	1,110	608	409,232	158,042	201,334	49,856	212,075

Source: Dun's Review, New York, N. Y.

14. PRICES

GENERAL NOTE.—The wholesale price index of the Department of Labor is based on primary market quotations of 550 commodities. In weighting the prices included in the index, the biennial census reports of 1923 and 1925 have been used for most manufactured products and for other products the average for the years 1923 to 1925 where trustworthy information was available as in the case of agricultural products.

The retail food index is based on the weighted average quotations (weighted by average family consumption in 1918) as of the 15th of the month, secured from retail stores in 51 cities since 1920 (from a smaller number in earlier years) for 22 commodities from 1913 to 1920, for 43 commodities from 1921 to 1928, and 42 thereafter.

The farm price index is constructed by weighting prices paid to producers for 30 products. 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 1918 to 1923.

No. 336.—WHOLESALE, RETAIL, AND FARM PRICES: INDEX NUMBERS

Year	Yearly average	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
	1926 average=100												
Wholesale prices:													
1916	85.5	77.0	78.5	80.4	81.7	82.5	82.9	83.4	85.1	86.9	91.1	97.4	99.2
1917	117.5	102.1	104.5	107.7	114.1	120.7	122.0	123.0	124.8	123.5	122.2	122.8	122.9
1918	131.3	125.0	122.7	126.4	128.3	128.1	129.0	132.0	134.3	137.5	136.3	136.3	136.3
1919	138.6	134.4	129.8	131.3	133.0	135.3	135.6	141.1	144.3	141.1	141.6	144.5	150.5
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	98.1
1924	98.1	99.6	99.7	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	103.6	102.1	100.4	100.1	100.5	100.5	99.5	99.0	99.7	99.4	98.4	97.9
1927	95.4	96.6	95.9	94.5	93.7	93.7	93.8	94.1	95.2	96.5	97.0	96.7	96.8
1928	97.7	96.3	96.4	96.0	97.4	98.6	97.6	98.3	98.9	100.1	97.8	96.7	96.7
1929	96.5	97.2	96.7	97.5	96.8	95.8	96.4	98.0	97.7	97.5	96.3	94.4	94.2
1930	86.3	93.4	92.1	90.8	90.7	89.1	86.8	84.0	84.0	84.2	82.6	80.4	78.4
	1913 average=100												
Retail food prices:													
1916	113.7	107	106	107	109	109	112	111	113	118	121	126	126
1917	146.4	128	133	133	145	151	152	146	149	153	157	155	157
1918	168.3	160	161	154	154	158	162	168	171	178	181	183	187
1919	185.9	185	172	175	182	185	184	190	192	188	189	192	197
1920	203.4	201	200	200	211	215	219	219	207	204	198	193	178
1921	153.3	172	158	156	152	145	144	148	155	153	153	152	150
1922	141.6	142	142	139	139	139	141	142	139	140	143	145	147
1923	146.2	144.4	142.3	141.9	143.1	143.4	144.3	147.2	146.4	149.3	149.8	151.1	150.3
1924	145.9	149.1	147.3	143.7	141.3	141.0	142.4	143.3	144.2	146.8	148.7	150.1	151.5
1925	157.4	154.3	151.4	151.1	150.8	151.6	155.0	159.9	160.4	159.0	161.6	167.1	165.5
1926	160.6	164.3	161.5	159.9	162.4	161.1	159.7	157.0	155.7	158.5	160.0	161.6	161.8
1927	155.4	159.3	156.0	153.8	153.6	155.4	158.5	153.4	152.4	154.0	156.1	156.6	155.9
1928	154.3	155.1	151.6	151.4	152.1	153.8	152.6	152.8	154.2	157.8	156.8	157.3	155.8
1929	156.7	154.6	154.4	153.0	151.6	153.3	154.8	158.5	160.2	160.8	160.5	159.7	158.0
1930	147.1	155.4	153.0	150.1	151.2	150.1	147.9	144.0	143.7	145.6	144.4	141.4	137.2
	August, 1909-July, 1914=100												
Farm prices:													
1916	117	104	106	108	110	111	112	113	117	123	128	137	139
1917	176	140	148	159	176	188	188	185	183	184	187	187	191
1918	200	194	197	199	200	198	196	197	203	207	204	200	201
1919	209	200	194	197	207	215	216	222	222	208	206	209	212
1920	205	219	221	222	230	235	234	224	209	194	178	158	140
1921	116	135	128	123	115	112	110	111	116	118	120	116	115
1922	124	114	118	123	123	127	128	126	120	119	123	126	131
1923	135	134	136	136	137	135	133	130	128	132	134	136	137
1924	134	137	136	131	130	129	130	132	130	132	138	137	139
1925	147	146	146	151	147	146	148	149	152	144	143	144	143
1926	136	143	143	140	140	139	139	136	133	134	130	130	127
1927	131	126	127	126	125	126	130	130	132	140	139	137	137
1928	139	137	135	137	140	148	145	145	139	141	137	134	134
1929	138	133	136	140	138	136	135	140	143	141	140	136	135
1930	117	134	131	126	127	124	123	111	108	111	106	103	97

Sources: Wholesale and retail prices, Department of Labor; farm prices, Department of Agriculture.

No. 337.—WHOLESALE PRICES BY MAJOR COMMODITY GROUPS: INDEX NUMBERS

NOTE.—See general note, page 333. For indexes for all commodities for prior years see Table 338. 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 617, p. 674

[1926=100, except as noted]

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 furnishing 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	55.8	54.2	54.8	47.9	54.6	37.0	92.2	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	86.6
1893	53.4	51.3	54.7	45.1	54.1	35.3	76.8	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	43.9	47.3	49.4	44.3	40.3	70.4	38.8	64.7	43.5	88.9
1896	46.5	39.6	44.1	45.2	43.1	39.5	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	42.5	92.5
1898	48.5	44.9	47.8	48.3	44.9	34.5	65.3	39.6	77.4	44.0	93.4
1899	52.2	45.8	47.7	49.4	47.7	41.2	100.0	43.6	81.1	45.0	97.4
1900	56.1	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	93.4
1902	58.9	58.4	53.3	50.8	49.4	51.8	91.0	45.3	86.5	49.2	88.1
1903	59.5	55.6	52.0	49.9	52.8	60.3	90.2	46.7	84.1	50.9	98.9
1904	59.7	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	54.1	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	57.0	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	66.8	62.0	58.3	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	93.3	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	115.0	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	103.7	101.1	108.9	99.7
1924	98.1	100.0	91.0	101.5	106.7	92.0	106.3	102.3	98.9	104.9	93.6
1925	103.5	109.8	100.2	105.3	108.3	90.5	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	90.4	96.5	107.9	95.7	86.5	98.2	98.3	96.6	98.2	89.9
1928	97.7	105.9	101.0	121.7	96.3	82.8	99.8	98.7	95.5	97.4	83.0
1929	96.5	104.9	99.7	109.2	93.7	81.6	104.4	97.1	94.4	96.9	80.5
1930	86.3	88.3	90.1	99.9	80.7	76.1	95.3	90.3	88.7	95.7	73.4
1930 (1913=100)	*123.6*	*123.5*	*140.3*	*146.7*	*140.3*	*134.1*	*105.0*	*159.3*	*110.6*	*170.0*	*78.8*
1930 (1923–1925=100)	*85.7*	*85.9*	*96.2*	*96.8*	*74.2*	*79.9*	*89.7*	*86.7*	*88.2*	*90.6*	*72.8*
1928											
January–March	96.2	104.7	98.4	123.0	96.6	80.9	98.3	90.9	95.9	98.4	87.7
April–June	97.9	108.0	100.3	125.6	96.5	81.6	98.6	93.3	95.3	97.6	84.1
July–September	99.1	107.6	104.4	122.0	96.2	84.2	99.8	94.6	94.8	97.1	79.9
October–December	97.1	102.9	100.1	116.2	96.1	84.3	101.9	95.9	95.9	96.4	80.1
1929											
January–March	97.1	106.1	98.3	110.3	96.2	81.5	104.8	97.6	95.9	96.6	80.3
April–June	96.3	103.5	98.1	107.6	94.3	81.7	105.6	97.0	94.2	96.7	79.7
July–September	97.7	107.1	103.0	109.9	93.0	81.3	104.5	97.0	93.7	97.1	81.4
October–December	95.0	102.3	99.5	108.8	91.5	81.6	102.7	96.7	93.9	97.2	80.4
1930											
January	93.4	101.0	97.2	105.1	89.4	79.9	101.2	96.2	93.0	97.3	78.7
February	92.1	98.0	95.5	103.9	88.3	78.8	100.9	95.7	92.3	97.0	78.5
March	90.8	94.7	93.9	103.2	86.5	77.4	100.6	95.4	91.2	96.5	78.2
April	90.7	95.8	94.6	102.7	85.5	77.9	98.8	94.7	91.0	96.2	78.5
May	89.1	93.0	92.0	102.6	84.6	78.0	96.8	92.9	89.9	96.2	77.5
June	86.8	88.9	90.5	102.4	82.2	76.4	95.4	90.0	88.9	96.2	74.5
July	84.0	83.1	86.3	100.7	80.0	75.4	94.3	88.9	87.8	96.2	71.7
August	84.0	84.9	87.1	98.9	77.7	75.4	92.7	87.4	87.3	95.9	71.2
September	84.2	85.3	89.2	99.1	75.5	76.3	91.8	86.4	86.6	95.4	69.7
October	82.6	82.6	88.6	96.5	73.8	75.1	90.4	85.8	86.0	95.3	68.8
November	80.4	79.3	85.7	94.0	73.3	71.8	90.2	85.6	85.2	95.2	67.8
December	78.4	75.2	81.8	91.2	72.4	70.5	90.0	84.4	84.8	91.3	66.9

Source: Bureau of Labor Statistics, Department of Labor.

No. 338.—WHOLESALE PRICES: INDEX NUMBERS, 1860 TO 1889

NOTE.—Indexes are arithmetic averages of unweighted relative prices, published in 1893 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

[1926=100]

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	66
1863	90	1873	84	1883	65
1864	116	1874	81	1884	60
1865	132	1875	78	1885	57
1866	116	1876	72	1886	56
1867	105	1877	68	1887	56
1868	98	1878	62	1888	57
1869	94	1879	59	1889	57

No. 339.—WHOLESALE PRICES OF COMMODITY SUBGROUPS: INDEX NUMBERS

[1926=100]

Subgroup	Year								December, 1929	June, 1930	December, 1930
	1913	1923–1925	1925	1926	1927	1928	1929	1930			
Grains	71.1	102.3	118.3	100.0	100.9	107.3	97.4	78.3	97.5	78.7	64.0
Livestock and poultry	73.2	85.3	98.9	100.0	98.9	105.4	106.1	89.2	94.6	88.5	76.3
Other farm products	70.8	115.1	114.5	100.0	99.2	105.8	106.6	91.1	108.2	92.7	78.1
Meats	59.8	81.7	93.3	100.0	92.7	107.0	109.1	98.4	103.2	99.9	89.2
Butter, cheese, milk	65.9	99.7	101.1	100.0	104.0	105.6	105.8	95.7	101.9	90.4	89.4
Other foods	65.9	101.4	104.6	100.0	96.2	95.5	91.6	83.0	94.4	85.1	74.5
Hides and skins	106.8	115.5	118.7	100.0	120.4	148.6	112.7	91.0	107.4	99.0	69.4
Leather	69.1	102.9	104.8	100.0	109.2	126.3	113.2	101.3	110.6	102.9	91.5
Boots and shoes	54.5	99.3	100.5	100.0	102.5	109.9	106.3	102.0	106.1	103.0	97.7
Other leather products	50.8	103.4	102.8	100.0	104.1	108.5	106.2	105.1	106.1	105.1	104.2
Cotton goods	58.0	113.9	110.0	100.0	97.9	101.2	99.4	87.4	97.2	89.3	79.7
Silk and rayon	71.8	112.4	104.5	100.0	88.1	83.6	80.1	63.2	75.4	64.3	51.7
Woolen and worsted goods	53.7	108.2	110.2	100.0	97.6	100.4	97.8	87.8	94.6	88.6	82.3
Other textile products	62.7	89.5	104.1	100.0	95.4	86.9	81.3	66.0	75.1	69.0	57.8
Anthracite	58.9	99.7	99.7	100.0	96.3	91.7	90.1	89.1	91.2	85.8	80.6
Bituminous coal	38.1	103.2	96.5	100.0	100.4	93.6	91.3	89.4	92.4	88.2	89.1
Coke	46.3	104.6	97.7	100.0	94.4	84.6	84.6	84.0	84.2	84.0	83.8
Manufactured gas	78.1	103.2	101.9	100.0	97.9	94.9	93.2	97.3	91.7	99.7	95.4
Petroleum and products	73.3	87.0	95.0	100.0	72.7	72.0	71.3	61.5	69.9	63.6	51.1
Iron and steel	70.9	109.6	102.2	100.0	95.9	94.9	97.3	91.5	96.3	91.7	88.0
Nonferrous metals	88.9	96.6	101.4	100.0	91.8	93.3	105.7	80.7	101.5	78.1	69.7
Agricultural implements	72.9	101.6	100.4	100.0	99.2	98.8	97.9	95.1	96.1	95.0	94.9
Automobiles	147.5	107.2	105.3	100.0	102.5	106.9	110.9	104.5	108.0	105.5	99.5
Other metal products	53.7	101.8	100.5	100.0	100.2	97.2	98.5	97.9	98.6	98.4	95.2
Lumber	54.0	103.9	100.6	100.0	92.5	90.1	94.5	85.7	92.4	85.3	78.1
Brick	38.9	102.4	100.1	100.0	93.2	92.7	91.1	84.7	90.5	83.0	81.6
Portland cement	59.6	105.4	102.6	100.0	96.7	95.9	91.8	91.8	89.2	91.7	90.6
Structural steel	77.1	113.4	102.2	100.0	94.7	95.2	98.1	87.3	97.0	86.8	81.7
Paint materials	50.8	103.4	109.3	100.0	91.0	86.6	91.3	84.9	95.7	88.7	72.4
Other building materials	63.1	103.3	100.4	100.0	94.1	101.3	106.9	101.1	106.5	99.6	97.1
Chemicals	89.4	102.3	104.1	100.0	100.0	101.8	100.2	93.5	99.6	93.8	89.1
Drugs and pharmaceuticals	56.6	96.4	97.7	100.0	87.3	70.8	70.5	67.4	70.6	67.9	65.5
Fertilizer materials	85.5	98.0	98.8	100.0	96.2	94.6	92.1	85.6	89.5	85.3	81.4
Mixed fertilizers	84.3	101.2	100.4	100.0	93.0	97.3	97.2	93.6	97.1	94.1	90.6
Furniture	70.7	109.7	104.6	100.0	97.6	97.2	96.0	96.5	96.7	96.5	95.5
Furnishings	47.9	103.5	102.2	100.0	98.6	97.5	97.5	94.9	97.7	95.9	87.6
Cattle feed	82.2	113.8	112.7	100.0	117.8	138.1	121.6	99.7	122.4	102.0	78.2
Paper and pulp	59.4	102.9	105.2	100.0	92.2	89.4	87.9	85.0	87.3	85.2	83.6
Rubber, crude	170.2	88.5	149.9	100.0	77.9	46.4	42.0	24.5	33.2	25.9	18.6
Automobile tires	207.2	100.2	98.0	100.0	76.3	64.4	55.6	53.1	55.2	52.2	51.3
Other miscellaneous	64.4	100.8	99.6	100.0	99.9	98.6	100.3	99.7	108.9	103.3	96.9

Source of Tables 338 and 339: Bureau of Labor Statistics, Department of Labor.

No. 340.—WHOLESALE PRICES OF LEADING COMMODITIES

NOTE.—This list is a selection from among the 550 commodities entering into the general index of wholesale prices of the Department of Labor, shown in Table 337

Commodity	Unit	Average price						
		1923–1925	1925	1926	1927	1928	1929	1930
I.—FARM PRODUCTS								
		Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Barley, feeding, Chicago	Bushel	0.774	0.844	0.094	0.825	0.826	0.615	0.602
Corn, contract grades, Chicago	do	.944	1.038	.759	.882	.977	.941	.827
Corn, No. 3, mixed, Chicago	do	.927	1.014	.736	.851	.953	.929	.810
Oats, No. 2, white, Chicago	do	.473	.467	.430	.497	.555	.486	.397
Rye, No. 2, Chicago	do	.932	1.128	.954	1.046	1.133	1.016	.624
Wheat, No. 2, red winter, Chicago	do	1.407	1.770	1.542	1.378	1.540	1.304	.983
Wheat, No. 2, hard, Kansas City	do	1.338	1.670	1.496	1.372	1.325	1.180	.900
Wheat, No. 1, northern spring, Minneapolis.	do	1.359	1.607	1.549	1.369	1.285	1.276	.984
Cattle, steers, good to choice, Chicago.	100 lbs	10.093	10.659	9.529	12.688	14.489	13.493	11.027
Hogs, fair to choice, light, Chicago	do	9.534	12.347	13.115	10.602	9.862	10.066	9.938
Lambs, western, fair to good, Chicago.	do	14.335	15.219	13.701	13.860	14.203	13.719	8.758
Poultry, live fowls, Chicago	Pound	.218	.229	.252	.225	.246	.273	.219
Cotton, middling, New Orleans	do	.265	.230	.168	.172	.194	.186	.131
Eggs, firsts, Chicago	Dozen	.339	.369	.335	.300	.324	.354	.270
Eggs, firsts, New York	do	.370	.398	.356	.320	.329	.368	.278
Apples, fresh, Baldwins, Chicago	Barrel	5.203	5.938	4.102	4.522	6.979	6.029	5.859
Oranges, choice, California	Box	6.209	7.662	5.957	7.094	7.370	6.540	7.248
Hay, alfalfa, Kansas City	Ton	22.199	20.159	21.034	18.504	22.808	24.566	21.596
Hay, timothy, No. 1, Chicago	do	24.055	23.400	23.481	19.447	20.588	20.394	19.779
Milk, fluid, Chicago	100 lbs	3.001	2.930	2.940	2.976	2.735	2.955	2.920
Milk, fluid, New York	do	3.419	3.554	3.623	3.732	3.827	3.997	3.848
Peanuts, Norfolk	Pound	.063	.062	.050	.055	.056	.049	.040
Flaxseed, Minneapolis	Bushel	2.653	2.721	2.328	2.202	2.245	2.706	2.353
Tobacco, leaf, Kentucky	100 lbs	14.572	13.928	8.472	11.276	13.503	[1] 16.721	[1] 16.710
Potatoes, white, Chicago	do	1.645	2.105	3.013	2.309	1.354	1.606	2.136
Wool, Ohio, medium grades	Pound	.548	.558	.457	.447	.543	.467	.310
II.—FOODS								
Butter, creamery, extra:								
Chicago	Pound	.437	.442	.429	.458	.461	.437	.353
New York	do	.450	.454	.443	.473	.474	.449	.364
San Francisco	do	.476	.503	.436	.454	.460	.458	.364
Cheese, whole milk, Chicago	do	.219	.230	.217	.241	.240	.221	.192
Milk, evaporated, New York	Case	4.396	4.336	4.393	4.564	4.429	4.267	3.846
Beef, fresh, carcass, steers, Chicago	Pound	.170	.180	.164	.186	.228	.231	.207
Lamb, fresh, Chicago	do	.258	.269	.262	.262	.267	.256	.191
Hams, Chicago	do	.228	.271	.308	.246	.228	.244	.230
Pork, mess, New York	Barrel (200 lbs.)	31.055	38.928	37.447	34.500	32.120	30.370	31.125
Pork, sides, clear, Chicago	Pound	.162	.223	.201	.187	.163	.171	.166
Pork, fresh (composite price), Chicago.	do	.161	.205	.224	.183	.170	.183	.175
Poultry, Chicago	do	.240	.245	.271	.232	.226	.242	.242
Bread, Chicago	do	.075	.075	.075	.075	.075	.075	.075
Bread, New York	do	.070	.070	.070	.070	.070	.066	.066
Coffee, Rio No. 7, New York	do	.162	.203	.182	.148	.165	.157	.087
Salmon, canned, Alaska, red	Dozen	2.645	3.069	3.326	2.868	2.900	2.709	3.009
Flour, short patents, winter, Kansas City.	Barrel	7.160	8.525	8.035	7.388	7.073	6.535	5.535
Flour, standard patents, Minneapolis.	do	7.468	8.828	8.426	7.433	7.205	6.786	5.626
Flour, patents, Portland, Oreg.	do	7.992	9.190	7.984	7.475	7.545	7.176	6.003
Raisins, coast, seeded, New York	Pound	.080	.075	.092	.074	.061	.060	.056
Bananas, Jamaicas, New York	Bunch	2.395	2.447	2.451	2.202	2.101	1.766	1.898
Lard, prime, contract, New York	Pound	.141	.168	.150	.129	.123	.120	.109
Oleomargarine, standard, uncolored, Chicago.	do	.226	.243	.228	.223	.225	.235	.218
Rice, Blue Rose, New Orleans	do	.054	.065	.062	.041	.038	.038	.040
Salt, American, medium, Chicago	Barrel	2.389	2.204	2.195	2.195	2.272	2.214	2.112
Sugar, granulated, New York	Pound	.071	.055	.055	.058	.056	.051	.047
Sugar, raw, 96°, New York	do	.058	.043	.043	.047	.042	.038	.034
Cottonseed oil, New York	do	.110	.108	.118	.097	.099	.097	.081

[1] Average for months of the tobacco season only.

No. 340.—Wholesale Prices of Leading Commodities—Continued

Commodity	Unit	Average price						
		1923–1925	1925	1926	1927	1928	1929	1930
III.—HIDES AND LEATHER PRODUCTS		*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Hides, packers, heavy, native steers	Pound	0.158	0.160	0.140	0.195	0.238	0.171	0.139
Calfskins, No. 1, country, Chicago	do	.180	.201	.173	.197	.274	.190	.163
Goat skins, Brazil, New York	do	.818	.785	.733	.751	.787	.741	.771
Leather, Boston:								
Calf, chrome, B grade	Sq. ft	.457	.472	.453	.489	.558	.496	.430
Glazed kid, top grade	do	.681	.683	.675	.677	.715	.725	.692
Side, black, chrome, tanned, B grade	do	.266	.274	.253	.320	.369	.288	.238
Sole, oak, scoured backs	Pound	.480	.482	.438	.493	.641	.529	.452
Shoes:								
Child's gun metal	Pair			1.330	1.425	1.793	1.853	1.631
Men's, dress, medium grade [2]	do	3.162	3.237	3.199	3.268	3.575	3.750	3.350
Women's, black kid, oxford [2]	do		4.000	4.074	4.000	4.250	4.250	4.201
IV.—TEXTILE PRODUCTS								
Cotton goods, mill:								
Denims, Mass., 28-inch	Yard	.233	.207	.169	.170	.191	.181	.147
Drillings, Pepperell, 29-inch	do	.174	.164	.127	.120	.126	.125	.105
Gingham, Amoskeag, 27-inch	do	.126	.113	.090	.095	.106	.105	.093
Muslin, bleached, Fruit of the Loom	do	.183	.180	.167	.161	.166	.174	.157
Print cloth, 27-inch	do	.070	.066	.052	.055	.058	.052	.042
Sheeting, bleached, Pepperell, 10/4	do	.486	.454	.416	.385	.410	.419	.362
Sheeting, brown, Pepperell, 4/4	do	.149	.139	.123	.121	.122	.117	.103
Thread, 6-cord	Spool	.033	.036	.036	.036	.036	.036	.036
Women's union suits	Dozen	12.149	10.458	9.875	8.864	9.500	9.500	9.500
Yarn, carded, white, northern, 22/1's cones	Pound	.459	.418	.358	.351	.371	.358	.274
Silk and rayon:								
Rayon, 150 B denier, New York	do	2.136	1.896	1.092	1.439	1.450	1.180	1.009
Silk, raw, steam filature, New York	do	7.509	6.679	6.348	5.559	5.128	4.886	3.629
Hosiery, women's, pure silk, mill	Doz. prs	12.337	11.842	12.168	11.003	[3] 9.792	9.313	7.896
Hosiery, men's, silk, mill	do	5.750	5.247	4.795	4.250	3.950	3.850	3.567
Woolen and worsted goods, mill:								
Suiting serge, 11-ounce	Yard	2.478	2.403	2.168	2.051	2.052	1.961	1.818
French serge, 39-inch [4]	do	.776	.799	.728	.987	1.000	.975	.915
Yarn, fine weaving, 2/50's	Pound	2.469	2.426	2.106	2.089	2.088	1.967	1.668
V.—FUEL AND LIGHTING								
Coal, anthracite, chestnut	Ton	13.861	13.788	13.767	13.298	13.001	12.886	12.715
Coal, bituminous, mine run	do	4.976	4.642	5.381	4.264	4.033	3.953	3.909
Coke, Connellsville, furnace	do	4.378	4.054	4.106	3.199	2.793	2.780	2.567
Manufactured gas	1,000 cu. ft	1.062	1.053	1.034	1.013	.982	.985	.986
Petroleum, crude, Kans.-Okla	Barrel	1.519	1.670	1.884	1.285	1.203	1.233	1.111
Fuel oil, refinery, Pennsylvania	Gallon	.056	.059	.064	.051	.048	.048	.039
Gasoline, refinery, Pennsylvania	do	.130	.133	.128	.092	.099	.091	.073
VI.—METALS AND PRODUCTS								
Iron ore, non-Bessemer	Ton	4.924	4.375	4.250	4.250	4.250	4.443	4.500
Pig iron, basic, furnace	do	21.873	19.567	18.548	17.697	16.664	18.189	17.962
Pig iron, Bessemer, Pittsburgh	do	24.860	22.318	21.318	20.437	19.207	20.538	20.260
Nails, wire, Pittsburgh	100 lbs	2.948	2.820	2.750	2.638	2.676	2.667	2.191
Pipe, cast-iron, 6-inch, New York	Ton	57.549	52.196	51.340	43.315	37.659	36.666	39.315
Skelp, grooved, Pittsburgh	100 lbs	2.149	1.960	1.900	1.830	1.865	1.859	1.730
Steel billets, open-hearth, Pittsburgh	Ton	38.465	35.644	35.000	33.269	32.673	34.642	31.808
Steel plates, tank, Pittsburgh	Pound	.021	.019	.019	.018	.019	.019	.017
Steel rails, open-hearth, mill	Ton	43.000	43.000	43.000	43.000	43.000	43.000	43.000
Steel sheets, No. 27, mill	Pound	.035	.033	.032	.031	.029	.030	.027
Steel, structural, mill	100 lbs	2.220	2.002	1.958	1.854	1.865	1.921	1.708
Tin plate, domestic, standard, Pittsburgh	do	5.470	5.500	5.500	5.481	5.262	5.350	5.188
Aluminum, New York	Pound	.265	.272	.270	.254	.239	.239	.234
Copper, ingot, electrolytic	do	.139	.141	.138	.130	.146	.181	.129
Lead, pig, desilverized, New York	do	.083	.091	.084	.068	.063	.068	.055
Silver, bar, fine, New York	Ounce	.672	.694	.624	.567	.585	.533	.385
Tin, pig, New York	Pound	.502	.578	.653	.644	.504	.452	.315
Zinc, pig, slab, New York	do	.072	.080	.077	.066	.064	.068	.049

[2] Prior to 1928, men's black dress welt and women's black kid dress; change in grade does not materially affect comparability of figures.
[3] Grade changed; figures not strictly comparable with those for earlier year.
[4] Prior to 1927, 35-inch.

No. 340.—Wholesale Prices of Leading Commodities—Continued

Commodity	Unit	Average price						
		1923–1925	1925	1926	1927	1928	1929	1930
VI.—METALS, ETC.—continued								
Agricultural implements, factory:		*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Cultivator	Each	45.313	45.120	44.170	42.030	41.320	40.845	39.420
Harrow, spike, peg tooth	do	16.973	17.190	16.720	15.670	15.670	14.824	13.870
Plow, 2-horse	do	16.598	16.458	16.095	15.862	15.270	15.258	14.961
Separator, cream	do	59.053	59.370	59.370	61.250	61.040	60.338	58.230
Tractor, 10–20 horsepower	do	663.0	680.0	680.0	680.0	680.0	680.0	653.0
Automobiles, f. o. b. factory:								
Buick	do	1,654.0	1,625.0	1,468.0	1,492.0			
Cadillac	do	3,853.0	3,876.0	3,731.0	3,671.0			
Chevrolet	do	661.0	671.0	614.0	613.0			
Dodge	do	1,125.0	1,114.0	884.0	884.0	745.0	773.0	724.0
Ford	do	412.0	391.0	413.0	456.0			
Packard	do	3,617.0	3,556.0	3,589.0	3,403.0			
Sewing machines, electric	do	73.620	75.370	77.550	80.248	82.250	84.600	84.067
Stoves, gas	do	64.053	62.773	62.924	63.409	66.657	66.900	67.155
VII.—BUILDING MATERIALS								
Douglas fir, No. 1, common sheathing	1,000 ft	17.072	17.250	16.483	16.285	16.758	18.293	14.702
Oak, plain, white, No. 1, Cincinnati	do	66.200	63.135	66.019	63.635	59.173	57.623	52.115
Pine, white, No. 2, Buffalo	do	59.957	53.231	50.039	46.231	44.209	48.453	43.827
Pine, yellow, flooring, mill	do	45.355	46.493	45.109	38.481	36.485	37.278	34.737
Pine, yellow, timbers, mill	do	27.414	26.519	27.835	25.438	24.399	27.364	27.000
Shingles, cedar, red, mill	1,000	2.816	2.819	2.734	2.541	2.786	3.002	2.191
Brick, common, building, plant	do	14.323	14.005	13.913	14.021	13.717	13.616	13.052
Cement, Portland	Barrel	1.838	1.789	1.744	1.686	1.672	1.601	1.600
Linseed oil, raw, New York	Pound	.134	.139	.112	.105	.100	.123	.125
White lead, in oil, New York	do	.141	.156	.152	.140	.133	.138	.130
Glass, plate, 5 to 10 sq. ft., N. Y.	Sq. ft	.638	.553	.478	.395	.385	.385	.375
Glass, window, single B, works	50 sq. ft	3.389	3.095	3.110	2.980	3.080	3.420	3.420
Lime, building, plant	Ton	9.586	9.388	8.984	8.825	8.574	7.987	7.941
VIII.—CHEMICALS AND DRUGS								
Acid, sulphuric, 66°, New York	Ton	14.267	14.000	14.600	15.104	15.500	15.500	15.500
Alcohol, denatured, New York	Gallon	.511	.578	.367	.478	.530	.570	.498
Ammonia, anhydrous, New York	Pound	.289	.266	.131	.114	.135	.140	.154
Soda ash, light, 58 per cent, works	100 lbs		1.430	1.430	1.375	1.366	1.345	1.345
Soda, caustic, New York	do	3.280	3.200	3.200	3.078	2.950	2.950	2.950
Tallow, packer's prime, Chicago	Pound	.088	.097	.087	.081	.088	.085	.092
Alcohol, grain, New York	Gallon	4.802	4.859	4.855	3.741	2.701	2.745	2.945
Phenol, U. S. P., New York	Pound	.291	.224	.197	.169	.150	.138	.147
Acid phosphate, Baltimore	Ton	8.732	9.346	9.592	8.547	9.292	9.731	8.635
Nitrate of soda, 95 per cent, N. Y.	100 lbs	2.526	2.579	2.550	2.495	2.232	2.157	2.076
Sulphate of ammonia, New York	do	3.047	2.861	2.628	2.427	2.484	2.213	1.791
Fertilizers, mixed, South Atlantic, 8-3-3, Series II.	Ton			23.200	21.792	22.900	22.400	21.588
IX.—HOUSEFURNISHING GOODS [5]								
Carpets, Brussels, factory	Yard	3.036	3.152	3.064	2.976	2.976	2.976	2.936
X.—MISCELLANEOUS								
Bran, Minneapolis	Ton	24.546	24.841	23.084	20.861	30.159	26.594	22.063
Cottonseed meal, prime, Memphis	do	41.020	36.313	28.542	35.604	47.042	38.542	31.833
Middlings, standard, Minneapolis	do	25.850	26.570	23.430	29.127	31.582	27.741	22.284
Paper, f. o. b. cars, destination, New York basis.	do			71.80	71.80	67.50	62.00	62.00
Paper, wrapping, manila, No. 1, jute, New York.	100 lbs	10.490	11.660	11.030	9.230	9.125	9.125	9.125
Wood pulp, sulphite, domestic, unbleached, New York.	do	2.745	2.682	2.865	2.633	2.522	2.535	2.511
Rubber, plantation, ribbed, New York.	Pound	.434	.730	.487	.381	.226	.206	.119
Automobile tires, balloon, factory	Each			18.289	13.777	11.784	[6] 10.252	8.886
Cylinder oil, Pennsylvania	Gallon	.266	.284	.264	.251	.236	.357	.201
Neutral oil, Pennsylvania	do	.264	.241	.280	.332	.314	.269	.210
Soap, laundry, Philadelphia	100 cakes	4.867	4.921	4.851	4.851	4.851	4.851	4.851
Starch, laundry, New York	Pound	.056	.060	.058	.058	.058	.058	.057
Tobacco, plug, New York	do	.698	.696	.696	.696	.696	.696	.696
Tobacco, smoking, 1-ounce bag, New York.	Gross	8.898	8.320	8.320	8.320	8.320	8.320	8.320

[5] 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.
[6] Grade changed; figures not comparable with those for preceding years.

Source: Bureau of Labor Statistics, Department of Labor.

No. 341.—WHOLESALE PRICES: INDEX NUMBERS

NOTE.—Figures in boxes indicate number of quotations. Bradstreet's index is the sum of the prices per pound of the 96 commodities. Dun's is weighted by the amount "annually consumed by each inhabitant." For method of computing the Department of Labor index see general note, p. 333

[1926=100]

Year	Bradstreet's index	Dun's index	Department of Labor			
			All commodities	Raw materials	Semi-manufactured articles	Finished products
	96	300	550	108	62	380
1913	70.9	64.3	69.8	68.8	74.9	69.4
1914	68.9	64.8	68.1	67.6	70.0	67.8
1915	77.4	67.6	69.5	67.2	81.2	68.9
1916	93.3	80.3	85.5	82.6	118.3	82.3
1917	123.8	110.5	117.5	122.6	150.4	109.2
1918	145.2	121.9	131.3	135.8	153.8	124.7
1919	145.6	123.2	138.6	145.9	157.9	130.6
1920	140.6	120.3	154.4	151.8	198.2	149.8
1921	87.2	89.1	97.6	88.3	96.1	103.3
1922	95.3	92.8	96.7	96.0	98.9	96.5
1923	103.5	100.8	100.6	98.5	118.6	99.2
1924	100.0	100.9	98.1	97.6	108.7	96.3
1925	108.0	104.6	103.5	106.7	105.3	100.6
1926	100.0	100.0	100.0	100.0	100.0	100.0
1927	99.4	99.4	95.4	96.5	96.9	94.5
1928	102.4	103.1	97.7	99.1	97.4	97.0
1929	97.3	101.0	96.5	97.5	96.5	96.2
1930	81.8	91.3	86.3	84.3	82.2	88.4

No. 342.—COST OF LIVING IN THE UNITED STATES: INDEX NUMBERS

NOTE.—1913 average=100. Figures for food represent 51 cities since 1920 and a smaller number in earlier years; other figures, 19 cities from 1913 to December, 1917, inclusive, and 32 cities thereafter. Totals weighted by relative importance of items as ascertained by country-wide study of cost of living

Date	All items	Food	Clothing	Housing	Fuel and light	Furniture and furnishings	Miscellaneous
December, 1914	103.0	105.0	101.0	100.0	101.0	104.0	103.0
December, 1915	105.1	105.0	104.7	101.5	101.0	110.6	107.4
December, 1916	118.3	126.0	120.0	102.3	108.4	127.8	113.3
December, 1917	142.4	157.0	149.1	100.1	124.1	150.6	140.5
December, 1918	174.4	187.0	205.3	109.2	147.9	213.6	165.8
June, 1919	177.3	184.0	214.5	114.2	145.6	225.1	173.2
December, 1919	199.3	197.0	288.7	125.3	156.8	263.5	190.2
June, 1920	216.5	219.0	287.5	134.9	171.9	292.7	201.4
December, 1920	200.4	178.0	258.5	151.1	194.9	285.4	208.2
May, 1921	180.4	144.7	222.6	159.0	181.6	247.7	208.8
December, 1921	174.3	149.9	184.4	161.4	181.1	218.0	206.8
June, 1922	166.6	140.7	172.3	160.9	174.2	202.9	201.5
December, 1922	169.5	146.6	171.5	161.9	186.4	208.2	200.5
March, 1923	168.8	141.9	174.4	162.4	186.2	217.6	200.3
June, 1923	169.7	144.3	174.9	163.4	180.6	222.2	200.3
September, 1923	172.1	149.3	176.5	164.4	181.3	222.4	201.1
December, 1923	173.2	150.3	176.3	166.5	184.0	222.4	201.7
March, 1924	170.4	143.7	175.8	167.0	182.2	221.3	201.1
June, 1924	169.1	142.4	174.2	168.0	177.3	216.0	201.1
September, 1924	170.6	146.8	172.3	168.0	179.1	214.9	201.1
December, 1924	172.5	151.5	171.3	168.2	180.5	216.0	201.7
June, 1925	173.5	155.0	170.6	167.4	176.5	214.3	202.7
December, 1925	177.9	165.5	169.4	167.1	186.9	214.3	203.5
June, 1926	174.8	159.7	168.2	165.4	180.7	210.4	203.3
December, 1926	175.6	161.8	166.7	164.2	188.3	207.7	203.9
June, 1927	173.4	158.5	164.9	162.1	180.8	205.2	204.5
December, 1927	172.0	155.9	162.9	160.2	183.2	204.6	205.1
June, 1928	170.0	152.6	162.6	157.6	177.2	201.1	205.5
December, 1928	171.3	155.8	161.9	155.9	181.3	199.7	207.1
June, 1929	170.2	154.8	161.3	153.7	175.2	198.5	207.3
December, 1929	171.4	158.0	160.5	151.9	178.7	197.7	207.9
June, 1930	166.6	147.9	158.9	149.6	172.8	195.7	208.5
December, 1930	160.7	137.2	153.0	146.5	175.0	188.3	208.1

Source: Bureau of Labor Statistics, Department of Labor.

No. 343.—COST OF LIVING IN PRINCIPAL CITIES: INDEX NUMBERS

City	Index of total cost of living for December—							Index December, 1930, for—					
	1920	1925	1926	1927	1928	1929	1930	Food	Clothing	Housing	Fuel and light	House furnishing goods	Miscellaneous
Dec., 1914=100													
Baltimore, Md	196.8	181.2	178.6	174.5	173.9	175.1	165.8	136.9	158.1	191.3	185.6	180.0	226.5
Boston, Mass	197.4	174.7	171.9	169.5	168.2	168.4	159.2	136.7	172.6	144.7	195.7	207.6	192.3
Buffalo, N. Y	201.7	184.8	183.6	180.2	179.6	180.0	169.4	135.8	162.0	162.5	226.7	196.4	218.4
Chicago, Ill	193.3	180.6	179.0	174.3	173.1	173.7	162.2	145.6	137.2	171.1	154.8	182.7	204.5
Cleveland, Ohio	207.3	182.7	181.5	179.0	175.4	174.3	166.2	129.5	152.1	155.3	262.5	175.5	224.2
Detroit, Mich	218.6	187.8	184.1	179.0	177.4	177.8	161.6	132.6	150.2	160.0	171.0	166.5	226.1
Houston, Tex	204.0	174.3	170.6	167.9	166.4	168.0	154.7	132.8	165.6	123.8	124.0	213.8	192.3
Jacksonville, Fla	206.2	181.7	181.3	173.0	169.1	165.8	156.9	128.4	171.9	98.5	166.3	203.3	201.0
Los Angeles, Calif	190.7	177.4	172.2	170.6	171.0	168.7	158.2	121.0	160.2	136.9	147.6	193.0	210.4
Mobile, Ala	193.3	168.5	168.1	165.5	165.7	164.8	154.4	133.0	140.0	136.3	158.6	173.5	207.5
New York, N. Y	201.4	183.2	180.0	179.1	176.3	177.1	167.5	135.9	182.2	163.1	190.9	185.5	223.7
Norfolk, Va	209.0	176.4	174.6	173.4	174.1	173.5	164.8	136.7	166.2	133.3	197.0	173.5	219.0
Philadelphia, Pa	200.7	182.6	182.3	178.3	174.5	175.0	164.5	134.3	164.9	151.2	195.8	175.3	220.7
Portland, Me	193.1	170.3	169.2	167.0	166.6	165.8	157.2	138.5	160.4	119.3	199.9	205.8	195.9
Portland, Oreg	180.3	156.9	155.1	152.8	152.4	151.6	141.5	117.8	138.4	102.4	155.5	169.7	186.1
San Francisco and Oakland, Calif	185.1	164.7	161.7	160.7	161.7	160.8	151.5	132.0	172.0	126.1	132.0	191.6	182.0
Savannah, Ga	198.7	162.9	160.5	158.1	159.1	157.2	148.3	117.7	161.4	119.6	156.2	210.1	183.8
Seattle, Wash	194.1	171.7	169.1	166.9	167.1	168.7	158.4	122.5	159.7	147.8	164.0	228.0	197.6
Washington, D. C	187.8	167.3	166.0	160.8	160.2	159.2	151.8	141.3	155.4	128.7	136.6	193.0	176.8
Dec., 1917=100													
Atlanta, Ga	138.5	119.0	117.4	114.3	115.6	113.5	104.5	86.9	93.6	130.8	111.6	108.0	130.5
Birmingham, Ala	133.3	119.2	117.8	115.7	114.2	111.8	103.8	86.0	90.9	123.5	138.5	102.7	125.1
Cincinnati, Ohio	134.7	123.0	123.8	121.3	121.2	123.1	116.6	92.0	91.3	152.8	169.7	108.7	149.4
Denver, Colo	138.7	122.5	120.4	116.6	116.3	116.1	109.7	89.1	105.5	147.8	127.4	112.4	137.6
Indianapolis, Ind	137.6	124.3	122.3	119.2	118.5	118.8	110.8	86.8	98.4	123.9	130.2	105.6	150.4
Kansas City, Mo	139.5	118.1	115.2	111.9	111.3	111.7	107.7	84.2	101.0	119.8	122.0	98.9	144.3
Memphis, Tenn	130.3	122.1	119.9	117.3	117.5	116.5	110.4	80.8	97.6	135.8	157.9	110.7	138.8
Minneapolis, Minn	135.7	120.3	118.2	115.4	115.2	116.2	110.6	90.6	95.6	123.5	139.9	107.8	137.0
New Orleans, La	136.7	122.7	121.7	119.9	119.5	118.8	110.2	85.0	100.1	145.3	114.4	110.2	146.5
Pittsburgh, Pa	139.3	128.5	127.2	124.8	124.4	123.2	115.2	88.6	96.1	163.7	184.4	106.6	147.5
Richmond, Va	133.3	120.8	119.3	116.4	115.7	114.9	109.3	85.1	102.0	125.5	142.0	126.6	141.0
St. Louis, Mo	135.4	125.0	124.5	121.4	120.4	121.7	113.9	85.1	98.6	159.5	120.1	115.4	142.1
Scranton, Pa	139.1	132.0	129.8	128.5	127.8	127.3	119.5	91.9	110.7	159.1	166.1	122.9	156.8

Source: Bureau of Labor Statistics, Department of Labor.

No. 344.—RETAIL FOOD PRICES IN THE UNITED STATES: INDEX NUMBERS

NOTE.—1913 average=100. The principal commodities used in this index number are listed in Table 346. For index numbers for individual cities see Table 345

Year	Index numbers of—		Year	Index numbers of—		Year	Index numbers of—	
	Retail price of food	Purchasing power of the dollar measured in food		Retail price of food	Purchasing power of the dollar measured in food		Retail price of food	Purchasing power of the dollar measured in food
1890	70	143	1904	76	132	1918	168	60
1891	71	141	1905	76	132	1919	186	54
1892	69	145	1906	79	127	1920	203	49
1893	71	141	1907	82	122	1921	153	65
1894	68	147	1908	84	119	1922	142	70
1895	67	149	1909	89	112	1923	146	68
1896	65	154	1910	93	108	1924	146	68
1897	65	154	1911	92	109	1925	157	64
1898	67	149	1912	98	102	1926	161	62
1899	68	147	1913	100	100	1927	155	64
1900	69	145	1914	102	98	1928	154	65
1901	72	139	1915	101	99	1929	157	64
1902	75	133	1916	114	88	1930	147	68
1903	75	133	1917	146	68			

No. 345.—RETAIL FOOD PRICES IN PRINCIPAL CITIES: INDEX NUMBERS

NOTE.—1913 average=100. For average for all cities see Table 344

City	1916	1920	1924	1925	1926	1927	1928	1929	1930	1930			
										Mar.	June	Sept.	Dec.
Atlanta, Ga	108	202	144	158	165	160	158	160	147	149	146	146	137
Baltimore, Md	113	207	152	164	168	161	159	161	151	153	152	150	142
Birmingham, Ala	110	209	150	165	168	161	159	160	150	151	150	150	142
Boston, Mass	112	203	149	158	162	157	156	158	151	152	150	149	143
Buffalo, N. Y	115	210	149	162	166	160	159	161	151	154	152	150	140
Charleston, S. C	108	207	149	159	164	157	156	158	151	154	151	150	142
Chicago, Ill	114	207	155	166	171	166	165	168	159	163	161	158	149
Cincinnati, Ohio	112	203	142	157	163	157	157	163	156	159	156	155	145
Cleveland, Ohio	114	208	145	156	162	155	153	154	144	146	145	143	133
Dallas, Tex	111	197	146	156	156	154	155	157	146	151	145	143	139
Denver, Colo	112	195	134	143	144	140	139	141	132	134	134	131	122
Detroit, Mich	114	215	151	165	169	163	160	164	150	154	152	149	137
Fall River, Mass	112	204	145	153	158	155	154	155	145	147	146	142	134
Indianapolis, Ind	114	202	141	151	157	151	151	155	140	149	149	145	132
Jacksonville, Fla	108	192	140	153	161	150	145	144	138	139	137	139	133
Kansas City, Mo	114	206	141	155	158	150	150	154	144	151	146	141	134
Little Rock, Ark	110	195	138	149	153	148	147	152	143	145	141	141	132
Los Angeles, Calif	102	184	141	149	146	143	143	146	134	138	134	133	124
Louisville, Ky	110	197	138	154	157	152	153	156	143	147	145	143	131
Manchester, N. H	113	206	145	152	157	153	154	154	145	147	146	144	134
Memphis, Tenn	111	204	137	150	152	146	148	151	141	144	142	139	129
Milwaukee, Wis	115	209	149	157	163	157	156	159	150	155	151	148	138
Minneapolis, Minn	114	208	143	154	159	152	153	157	148	152	152	146	139
Newark, N. J	111	195	143	151	154	150	150	151	143	145	143	141	135
New Haven, Conn	115	201	146	155	161	157	157	158	149	150	148	148	145
New Orleans, La	112	200	144	156	156	154	153	156	146	151	145	145	137
New York, N. Y	112	204	150	160	164	160	158	160	150	153	150	150	142
Omaha, Nebr	115	210	142	155	159	151	147	150	141	145	145	140	132
Philadelphia, Pa	113	201	147	159	164	160	158	159	149	151	149	147	140
Pittsburgh, Pa	112	202	148	158	162	158	156	160	147	149	149	149	137
Portland, Oreg	104	187	134	142	140	139	140	144	133	140	136	129	119
Providence, R. I	114	209	149	158	162	156	156	158	149	151	148	148	139
Richmond, Va	114	214	153	166	170	162	161	162	153	155	154	151	143
St. Louis, Mo	114	213	147	160	164	159	156	161	151	156	151	149	138
Salt Lake City, Utah	111	185	127	140	135	134	132	136	127	130	132	125	117
San Francisco, Calif	105	189	144	155	153	151	151	154	147	150	147	145	138
Scranton, Pa	112	208	148	161	165	162	163	164	154	157	156	152	145
Seattle, Wash	105	190	139	150	147	145	145	149	140	146	144	136	127
Washington, D. C	112	208	152	165	169	163	164	164	154	156	155	155	147

Source of Tables 344 and 345: Bureau of Labor Statistics, Department of Labor.

No. 346.—RETAIL PRICES OF PRINCIPAL ARTICLES OF FOOD IN THE UNITED STATES: ACTUAL AND RELATIVE

NOTE.—For index numbers 1913 average = 100. Data are averages of prices as reported by retail dealers as of the 15th of each month in 51 of the larger cities since the year 1920 and in a smaller number of cities for earlier years (39 in 1913)

Year or month	Sirloin steak		Round steak		Rib roast		Pork chops		Bacon		Lard	
	Per lb.		Per lb.		Per lb.		Per lb.		Per lb.		Per lb.	
1891–1895			$0.123	55			$0.112	53	$0.132	49	$0.100	63
1896–1900			.127	57			.111	53	.132	49	.091	58
1901–1905			.141	63			.137	65	.176	65	.116	73
1906–1910	[1]$0.192	76	.159	71	[1]$0.159	80	.167	80	.217	80	.136	86
1911–1915	.241	95	.213	96	.191	96	.201	96	.261	97	.150	95
1916–1920	.366	144	.338	152	.285	144	.356	170	.461	171	.290	184
1921–1925	.391	154	.337	151	.287	145	.331	158	.412	153	.190	120
1926–1930	.456	180	.401	180	.335	169	.368	175	.455	168	.190	121
1923	.391	154	.335	150	.284	143	.304	145	.391	145	.177	112
1924	.396	156	.338	152	.288	146	.308	147	.377	140	.190	120
1925	.406	160	.347	156	.296	150	.366	174	.467	173	.233	148
1926	.413	163	.356	160	.303	153	.395	188	.503	186	.219	139
1927	.426	168	.371	166	.313	158	.368	175	.472	175	.193	122
1928	.478	188	.420	188	.350	177	.348	166	.440	163	.186	118
1929	.500	197	.444	199	.367	185	.369	176	.435	161	.183	116
1930	.464	183	.412	185	.342	173	.359	171	.423	157	.170	108
March	.484	191	.430	193	.359	181	.361	172	.426	158	.169	107
June	.479	187	.427	192	.351	177	.366	174	.423	157	.166	105
September	.450	177	.397	178	.330	167	.391	186	.427	158	.175	111
December	.429	169	.377	169	.316	160	.314	150	.413	153	.167	106

Year or month	Hens		Eggs		Butter		Cheese		Milk		Bread	
	Per lb.		Per doz.		Per lb.		Per lb.		Per qt.		Per lb.	
1891–1895	$0.136	64	$0.214	62	$0.268	70			$0.068	76		
1896–1900	.131	62	.199	58	.247	64			.067	75		
1901–1905	.154	72	.254	74	.281	73			.071	80		
1906–1910	.182	85	.304	88	.333	87			.079	89		
1911–1915	.206	97	.341	99	.363	95	[2]$0.227	103	.088	99	[3]$0.063	113
1916–1920	.351	165	.527	153	.567	148	.358	162	.133	149	.096	171
1921–1925	.365	171	.483	140	.523	137	.352	159	.139	156	.091	163
1926–1930	.377	177	.460	133	.533	139	.372	168	.141	159	.091	162
1923	.350	164	.465	135	.554	145	.369	167	.138	155	.087	155
1924	.353	166	.478	139	.517	135	.353	160	.138	155	.088	157
1925	.366	172	.521	151	.548	143	.367	166	.140	157	.094	168
1926	.388	182	.485	141	.531	139	.366	166	.140	157	.094	168
1927	.369	173	.452	131	.556	145	.376	170	.141	158	.093	166
1928	.374	176	.464	134	.565	148	.355	174	.142	160	.091	162
1929	.397	186	.490	142	.551	144	.380	172	.143	161	.090	161
1930	.355	167	.410	119	.461	120	.351	159	.140	157	.087	155
March	.383	180	.353	102	.467	122	.364	165	.140	157	.088	157
June	.357	168	.336	97	.433	113	.349	158	.140	157	.088	157
September	.340	160	.431	125	.487	127	.342	155	.140	157	.087	155
December	.320	150	.416	121	.425	111	.332	150	.135	152	.085	152

Year or month	Flour		Corn meal		Rice		Potatoes		Sugar		Coffee	
	Per 1/6 bbl. bag		Per lb.		Per lb.		Per pk.		Per lb.		Per lb.	
1891–1895	$0.637	79	$0.020	67			$0.235	92	$0.057	104		
1896–1900	.639	79	.018	60			.211	83	.058	105		
1901–1905	.687	85	.022	73			.263	103	.058	105		
1906–1910	.807	100	.027	90			.271	106	.059	107		
1911–1915	.872	108	.031	103	[3]$0.089	102	.282	111	.061	111	[3]$0.298	100
1916–1920	1.637	202	.058	193	.130	149	.609	239	.115	209	.362	121
1921–1925	1.303	161	.045	151	.099	114	.453	178	.084	152	.410	138
1926–1930	1.309	162	.052	175	.103	118	.546	214	.068	124	.476	160
1923	1.152	142	.041	137	.095	109	.435	171	.101	184	.377	127
1924	1.201	149	.047	157	.101	116	.405	159	.092	167	.433	145
1925	1.495	185	.054	180	.111	128	.540	212	.072	131	.515	173
1926	1.470	182	.051	170	.110	133	.735	288	.069	126	.510	171
1927	1.348	167	.052	173	.107	123	.570	224	.073	133	.483	162
1928	1.323	164	.053	177	.100	115	.405	159	.071	129	.492	165
1929	1.250	154	.053	177	.097	112	.480	188	.066	120	.491	165
1930	1.152	142	.053	177	.095	109	.540	212	.062	113	.406	136
March	1.225	152	.053	177	.095	109	.585	229	.064	116	.419	141
June	1.176	146	.053	177	.095	109	.630	247	.061	111	.406	136
September	1.078	133	.053	177	.096	110	.480	188	.059	107	.395	133
December	1.004	124	.052	173	.092	106	.435	171	.059	107	.385	129

[1] 1907–1910 [2] 1913–1915

Source: Bureau of Labor Statistics, Department of Labor.

No. 347.—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 348 also applies to this table

Year ended—	Bacon, hams, and shoulders, per pound	Pork, pickled, per pound	Eggs, per dozen	Milk: Condensed and evaporated, per pound	Butter, per pound	Cheese, per pound	Lard, per pound	Sole leather, per pound	Corn, per bushel	Rye, per bushel	Wheat, per bushel	Wheat flour, per barrel	Oil cake, and oil cake meal, per pound	Cottonseed oil, per pound [1]	Sugar, per pound	Rosin, per barrel [2]	Spirits of turpentine, per gallon	Tobacco, leaf, per pound	Cotton, per pound	Boards, planks, per M feet	Coal: Anthracite, per ton	Coal: Bituminous, per ton	Petroleum, crude, per gallon	Gasoline, naphtha, etc., per gallon	Kerosene, per gallon	Wire, per pound	Wire nails, per pound
June 30—	Cts.	Cts.	Cts.	Cts.	Cts.	Cts.	Cts.	Cts.	Dols.	Dols.	Dols.	Dols.	Cts.	Cts.	Cts.	Dols.	Dols.	Cts.	Cts.	Dols.	Dols.	Dols.	Cts.	Cts.	Cts.	Cts.	Cts.
1904	11.4	8.5	22.3	.....	16.5	10.5	8.3	18.9	.54	.58	.81	4.05	1.1	36.9	3.5	2.56	.55	9.6	12.0	20.05	4.93	2.75	5.7	10.7	7.8	2.3	2.1
1905	10.5	7.9	21.9	.....	16.4	10.7	7.7	21.4	.53	.84	.89	4.55	1.1	29.4	4.1	3.06	.56	9.0	8.8	19.08	4.99	2.63	5.2	8.4	6.8	2.2	2.2
1906	10.1	8.2	21.0	.....	18.0	11.7	8.1	20.2	.53	.67	.82	4.25	1.3	31.2	3.8	4.06	.63	9.5	11.0	21.34	4.93	2.58	5.0	8.0	6.3	2.2	2.1
1907	10.1	9.1	22.1	.....	19.4	11.6	9.2	22.0	.53	.75	.79	3.99	1.3	40.8	3.9	4.42	.65	10.0	10.6	24.55	4.90	2.56	5.2	10.4	6.3	2.3	2.3
1908	10.9	8.9	20.3	.....	21.8	12.9	9.1	21.1	.65	.90	.99	4.61	1.3	42.0	3.8	4.20	.52	10.6	11.4	23.00	4.88	2.58	4.8	11.0	6.8	2.5	2.5
1909	10.9	8.8	23.0	.....	21.2	12.6	10.0	20.9	.70	.82	1.02	4.86	1.3	40.8	3.5	3.69	.40	10.9	9.4	21.40	4.97	2.55	4.1	9.1	6.6	2.3	2.2
1910	10.8	11.1	23.7	7.7	25.0	15.5	11.9	21.7	.69	.77	1.02	5.27	1.4	6.6	4.3	4.55	.56	10.8	14.0	21.83	4.94	2.49	3.1	8.1	6.2	2.4	2.1
1911	12.1	10.8	20.9	7.7	21.7	12.4	11.0	21.5	.56	.95	.93	4.88	1.4	7.6	4.1	6.42	.73	11.1	14.5	21.54	4.99	2.48	2.9	8.5	5.6	2.3	2.1
1912	13.3	9.5	22.0	8.8	24.1	14.2	9.8	22.0	.72	.81	.94	4.63	1.4	6.0	4.6	6.65	.51	11.5	10.2	22.14	5.11	2.54	3.3	9.0	5.7	2.2	2.0
1913	12.1	10.6	21.5	8.7	24.3	17.0	11.2	24.0	.59	.69	.97	4.67	1.4	6.6	3.8	6.19	.42	11.9	11.9	24.30	5.30	2.52	3.9	13.3	6.3	2.1	2.1
1914	13.1	10.8	23.1	8.3	23.8	17.1	11.3	25.6	.75	.70	.95	4.61	1.4	7.2	3.6	4.64	.43	12.1	12.8	23.94	5.27	2.49	4.7	14.3	6.4	2.1	2.1
1915	13.8	10.3	24.1	8.2	24.3	15.3	11.0	29.7	.81	1.17	1.28	5.86	1.4	6.9	4.7	4.53	.47	12.8	8.5	22.25	5.27	2.53	3.2	11.2	6.0	2.2	2.0
1916	13.9	10.6	23.2	8.0	26.6	16.7	11.2	34.8	.81	1.06	1.24	5.63	1.6	8.5	4.9	5.65	.47	12.1	12.3	23.76	5.25	2.43	3.5	16.3	6.4	2.9	2.6
1917	17.6	14.8	30.4	9.7	32.6	23.1	17.3	43.6	1.12	1.63	1.99	7.80	1.8	12.5	6.2	6.53	.49	14.7	18.1	26.00	5.56	2.94	4.1	20.8	5.4	3.9	3.8
1918	26.7	22.7	37.8	12.9	38.6	24.3	25.0	53.8	1.84	1.99	2.37	11.19	2.5	18.2	6.9	7.36	.53	24.1	28.7	41.50	6.16	3.89	5.0	23.6	8.9	5.1	5.2
Dec. 31—																											
1919	31.5	25.3	48.5	14.3	50.7	37.8	31.3	44.7	1.66	1.88	2.41	11.09	3.3	21.2	7.8	16.89	.98	33.9	33.9	49.45	8.25	4.66	6.0	23.8	12.2	5.5	5.3
1920	25.2	19.8	50.6	15.7	68.0	31.0	23.4	63.4	1.49	2.14	2.73	11.30	3.1	18.9	10.3	16.72	1.54	52.4	35.9	62.13	9.44	8.85	8.6	26.6	15.3	5.8	5.7
1921	17.9	12.8	32.5	9.3	40.8	23.1	13.0	34.6	.72	1.48	1.55	7.01	2.0	9.6	5.2	5.19	.85	39.7	16.2	37.93	10.92	5.94	5.4	23.1	12.5	5.5	5.0
1922	17.3	12.0	26.3	10.0	37.2	24.9	11.9	24.6	.70	.97	1.25	5.69	2.1	9.7	3.8	5.25	1.08	33.9	21.6	37.45	10.72	5.95	4.4	21.9	9.3	3.4	3.3
1923	14.4	11.7	27.5	11.4	43.9	26.2	12.6	26.5	.87	.91	1.18	5.40	2.2	10.6	6.5	5.14	1.07	32.1	29.6	46.24	10.91	5.46	3.2	16.3	9.0	3.9	4.0
1924	14.2	11.9	26.5	10.8	41.5	26.0	13.3	22.6	.97	1.10	1.43	5.70	2.1	10.6	5.5	5.30	.88	29.8	27.7	41.25	11.17	4.65	3.6	14.1	9.7	3.6	4.0
1925	20.1	16.0	30.1	11.8	45.1	26.3	17.1	25.9	1.12	1.30	1.72	7.65	2.1	10.4	3.7	9.02	.98	32.7	24.2	42.62	11.19	4.36	4.4	15.3	9.5	3.4	3.8
1926	21.6	16.5	28.8	12.5	46.1	28.6	15.5	28.6	.86	1.03	1.46	7.02	1.8	10.0	3.5	12.61	.92	28.5	17.4	39.97	11.42	4.95	4.4	14.8	10.9	3.4	3.4
1927	18.4	14.3	27.0	12.8	46.3	30.1	13.5	32.0	.85	1.10	1.42	6.65	1.9	8.7	4.1	9.36	.60	27.5	16.9	39.51	11.09	4.44	3.9	11.5	9.8	3.2	3.4
1928	16.5	14.2	30.4	12.7	47.7	30.7	13.0	36.3	1.02	1.20	1.25	6.23	2.3	9.0	3.5	8.40	.53	26.8	20.1	37.56	10.96	4.12	3.4	10.7	10.2	3.0	2.9
1929	17.9	14.3	33.8	12.7	47.0	27.8	12.7	27.5	1.01	1.05	1.24	5.91	2.2	9.2	3.0	7.96	.52	26.2	19.4	38.81	10.71	4.22	3.4	10.6	10.1	3.2	3.0
1930	17.9	13.7	27.2	12.2	41.7	25.7	11.4	22.4	.94	.88	1.00	5.31	1.9	8.5	2.4	6.30	.44	25.8	14.2	36.95	10.76	4.17	3.2	9.4	9.0	3.0	2.8

[1] Per gallon prior to 1910. Approximately 7½ pounds=1 gallon.

[2] Barrels of 280 pounds.

Source: Bureau of Foreign and Domestic Commerce.

No. 348.—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, per pound	Fish, cured, per barrel (200 pounds)		Hides and skins, per pound		Rice, per pound	Wheat, per bushel	Copra, per pound	Flaxseed, per bushel	Cocoa, per pound	Coffee, per pound	Tea, per pound	Cane sugar, per pound	Rubber, crude, per pound	Shellac, per pound	Tobacco, leaf, per pound		Cotton, unmanufactured, per pound	Jute and jute butts, per ton	Flax, per ton
		Herring	Mackerel	Goat	Cattle											Cigar wrappers	Other leaf			
June 30—	*Cents*	*Dollars*	*Dollars*	*Cents*	*Cents*	*Cents*	*Dollars*	*Cents*	*Dollars*	*Cents*	*Cents*	*Cents*	*Cents*	*Cents*	*Cents*	*Dollars*	*Cents*	*Cents*	*Dollars*	*Dollars*
1904	14.5	6.58	13.86	27.8	12.9	2.5	1.10	-------	.95	12.3	7.0	16.2	1.94	68.5	32.1	.76	47.52	17.5	42.43	251.10
1905	14.6	6.50	12.12	27.6	13.2	2.5	.89	-------	1.08	11.6	8.8	15.8	2.64	74.2	35.0	.74	48.77	15.6	45.82	279.44
1906	15.8	7.47	12.19	28.6	14.0	2.5	.92	-------	1.41	10.9	8.6	15.6	2.14	78.0	32.4	.96	52.16	15.3	62.05	266.62
1907	16.9	7.50	12.28	31.3	15.3	3.0	.63	4.3	1.38	14.5	7.9	16.1	2.11	76.6	32.7	1.14	54.55	19.0	85.66	260.41
1908	17.2	6.78	13.74	27.2	12.2	2.9	.97	3.4	1.25	17.2	7.6	17.3	2.37	58.8	31.0	1.06	63.41	19.9	60.49	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	2.30	69.8	20.3	.95	65.58	15.7	46.06	257.57
1910	17.3	6.96	10.43	26.6	14.7	2.6	.92	3.6	1.71	10.5	7.9	16.0	2.59	100.0	13.2	.98	52.91	18.4	54.70	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	53.63	21.8	72.33	342.47
1912	18.9	7.79	12.19	24.4	15.3	2.4	.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	10.35	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	45.33	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	50.44	15.7	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	46.44	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	18.8	3.70	57.9	12.8	1.43	40.45	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	1.34	47.83	27.5	87.50	535.00
1918	41.5	16.57	12.48	47.4	25.3	3.5	2.02	5.5	2.56	10.3	9.0	20.4	4.82	52.1	41.5	1.21	53.37	34.9	92.11	1,037.72
Dec. 31—																				
1919	35.9	13.65	25.00	71.5	30.8	7.0	1.88	6.4	3.16	14.8	19.6	24.9	5.60	40.2	48.6	1.40	83.10	41.0	134.51	904.21
1920	35.4	12.49	18.81	110.5	31.1	10.3	2.10	6.6	3.03	15.8	19.5	27.0	12.59	42.9	80.8	1.80	89.93	46.2	100.93	566.77
1921	32.3	11.05	15.32	37.8	12.9	3.4	1.54	3.9	1.66	7.6	10.7	18.6	3.94	17.8	48.9	2.00	92.84	23.7	93.08	566.91
1922	31.4	10.21	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	74.67	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	4.93	26.7	59.7	2.35	80.76	26.4	128.33	511.99
1924	29.2	12.09	17.37	39.3	13.1	4.0	1.00	4.4	1.81	7.8	17.6	29.3	4.39	23.7	53.5	2.56	97.77	30.3	114.02	515.19
1925	27.8	13.30	15.60	40.7	16.0	4.7	1.39	5.0	2.40	10.0	22.3	31.2	2.75	48.4	51.0	2.34	80.18	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	33.6	2.25	75.48	25.5	215.06	478.07
1927	30.7	12.69	13.10	43.6	17.4	4.4	1.31	4.6	1.74	13.4	18.4	31.6	3.06	35.6	41.4	2.15	64.94	22.2	131.52	479.08
1928	30.3	12.98	13.96	46.0	23.1	4.2	1.17	4.5	1.78	12.4	21.3	30.3	2.68	25.0	42.4	2.06	63.64	24.9	129.45	698.47
1929	29.2	12.54	15.45	47.4	16.0	4.5	1.11	4.2	1.92	9.8	20.4	28.9	2.14	19.1	38.4	1.84	67.75	23.9	128.35	579.24
1930	26.7	14.13	12.40	40.7	13.0	3.8	.98	3.6	2.11	8.4	13.1	26.6	1.85	12.9	27.3	1.60	55.20	19.7	107.76	429.26

Year ended—	Hemp, per ton	Manila, per ton	Jute burlaps, per pound	Wool, per pound			Silk, raw, per pound	Pulpwood, per cord	Boards, planks, deals, per M feet	Wood pulp, per ton	Printing paper, per pound	Bituminous coal, per ton	Petroleum, crude, per gallon	Bar iron, per pound	Tin plates, terneplates, per pound	Copper, pigs, ingots, bars, per pound	Tin, bars, blocks, pigs, per pound	Sodium nitrate, per ton
				Carpet	Clothing	Combing												
June 30—	*Dollars*	*Dollars*	*Cents*	*Cents*	*Cents*	*Cents*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Cents*	*Dollars*	*Cents*	*Cents*	*Cents*	*Cents*	*Cents*	*Dollars*
1904	148.06	173.96	-------	12	19	22	3.52	-------	15.07	24.88	-------	2.59	-------	2.0	2.7	12.8	26.60	31.54
1905	160.10	195.99	5.5	13	23	25	3.34	-------	15.35	26.87	-------	2.44	-------	1.9	2.8	13.6	27.55	34.31
1906	170.55	187.90	6.5	14	24	28	3.64	-------	15.60	29.16	-------	2.40	-------	1.9	2.8	15.1	33.32	35.08
1907	176.00	199.51	8.2	15	26	30	4.20	4.29	17.40	29.79	-------	2.48	-------	1.9	3.3	19.8	39.70	41.05
1908	174.92	171.05	7.4	15	23	27	4.13	5.40	19.23	30.79	-------	2.59	-------	2.0	3.0	16.8	32.72	38.03
1909	153.45	115.60	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	35.61
1910	161.89	112.78	5.0	13	24	25	3.21	6.39	18.35	31.11	2.1	2.75	-------	1.8	2.8	12.5	30.52	30.60
1911	177.78	116.04	5.3	13	23	26	3.25	6.40	18.49	28.42	2.4	2.83	-------	2.0	3.2	11.9	36.67	31.25
1912	219.75	116.74	6.6	13	21	24	3.11	6.47	17.45	29.78	2.4	2.85	1.9	2.0	4.3	12.7	41.56	32.09
1913	193.67	171.08	8.9	14	23	25	3.15	6.71	17.34	32.14	2.4	2.77	1.5	2.0	3.4	15.3	46.30	35.17
1914	177.34	196.82	8.6	17	25	26	3.42	6.75	19.05	33.49	2.4	2.71	1.5	2.0	3.0	14.4	39.35	31.82
1915	217.73	180.12	7.0	17	23	25	3.09	6.67	18.96	33.82	2.4	2.90	1.4	1.9	3.3	13.4	32.44	28.34
1916	252.45	178.31	9.0	22	28	29	3.61	6.51	18.97	33.27	2.4	2.99	1.4	2.8	7.9	19.4	35.34	29.98
1917	258.02	225.00	10.8	29	36	39	4.61	6.78	20.86	60.71	3.1	3.23	1.4	4.1	10.8	26.1	39.97	35.06
1918	403.40	352.99	13.3	40	54	62	4.69	9.46	25.49	62.66	4.2	4.42	1.3	4.8	8.4	24.6	54.60	43.64
Dec. 31—																		
1919	561.50	280.95	14.9	38	51	59	7.35	9.99	32.38	65.24	3.5	5.48	1.2	5.1	12.4	20.7	56.73	48.00
1920	411.75	304.09	15.6	32	51	58	9.48	13.62	42.73	110.50	4.7	6.06	1.3	6.1	14.5	18.4	58.50	47.75
1921	255.56	184.71	8.7	12	22	20	5.71	14.23	35.06	63.30	5.0	6.56	1.3	4.7	12.1	12.7	30.71	48.71
1922	232.40	124.89	9.4	17	25	29	7.21	10.53	29.54	56.29	3.5	5.92	1.3	2.8	5.1	12.7	30.26	48.21
1923	288.61	130.32	11.2	21	37	38	7.92	9.95	31.75	60.52	3.7	6.03	1.6	2.6	5.2	14.5	39.56	47.05
1924	345.50	175.54	10.3	24	46	47	6.39	10.24	30.11	55.71	3.7	5.73	2.3	2.7	6.8	12.6	47.32	47.81
1925	458.87	290.51	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	47.23
1926	373.73	263.92	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	11.8	26	34	37	5.27	10.32	27.82	57.37	3.3	4.98	3.2	2.0	8.0	11.8	63.30	40.24
1928	341.41	202.65	12.9	25	44	44	4.87	10.45	27.54	53.27	3.2	4.91	2.7	2.9	7.4	12.4	49.80	35.81
1929	290.74	186.95	12.0	27	38	38	4.90	10.81	28.07	52.75	3.0	4.88	2.4	3.0	11.2	16.1	47.06	37.52
1930	259.95	138.08	9.1	20	26	24	3.56	10.76	24.60	49.62	2.9	5.34	2.5	3.3	11.5	13.2	33.31	37.71

Source: Bureau of Foreign and Domestic Commerce.

15.—WAGES, HOURS OF LABOR, AND EMPLOYMENT

No. 349.—INDEX NUMBERS OF WAGES 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 603; 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 1913 as the base year. During the period, regular full-time working hours have been greatly reduced; hence the figures do not apply to full-time earnings per day or per week. Further, they do not reflect actual earnings in periods of broken time or unemployment.

[On currency basis during Civil War period. 1913=100]

Year	Index number	Year	Index number	Year	Index number	Year	Index number
1840	33	1863	44	1886	64	1909	90
1841	34	1864	50	1887	67	1910	93
1842	33	1865	58	1888	67	1911	95
1843	33	1866	61	1889	68	1912	97
1844	32	1867	63	1890	69	1913	100
1845	33	1868	65	1891	69	1914	102
1846	34	1869	66	1892	69	1915	103
1847	34	1870	67	1893	69	1916	111
1848	35	1871	68	1894	67	1917	128
1849	36	1872	69	1895	68	1918	162
1850	35	1873	69	1896	69	1919	184
1851	34	1874	67	1897	69	1920	234
1852	35	1875	67	1898	69	1921	218
1853	36	1876	64	1899	70	1922	208
1854	37	1877	61	1900	73	1923	217
1855	38	1878	60	1901	74	1924	223
1856	39	1879	59	1902	77	1925	226
1857	40	1880	60	1903	80	1926	229
1858	39	1881	62	1904	80	1927	231
1859	39	1882	63	1905	82	1928	232
1860	39	1883	64	1906	85	1929	[1] 233
1861	40	1884	64	1907	89		
1862	41	1885	64	1908	89		

[1] Subject to revision.

Source: Bureau of Labor Statistics, Department of Labor.

No. 350.—INDEX NUMBERS OF WAGES PER HOUR, COST OF LIVING, AND REAL WAGES

NOTE.—The general trend of wages per hour presented in Table 349 relate to the money received per hour by the wage earner as compensation for his work. The real measure of his wage, however, is not his money income, but what he is able to buy with it. In the following table, therefore, index numbers relating to wages per hour and to cost of living are brought together and from them a third index number is computed showing the change in the worker's "real wage"

Year	Index numbers of—			Year	Index numbers of—		
	Wages per hour	Cost of living	Real wages		Wages per hour	Cost of living	Real wages
1913	100	100.0	100.0	1922	208	167.3	124.3
1914	102	103.0	99.0	1923	217	171.0	126.9
1915	103	105.1	98.0	1924	223	170.7	130.6
1916	111	118.3	93.8	1925	226	175.7	128.6
1917	128	142.4	89.9	1926	229	175.2	130.7
1918	162	174.4	92.9	1927	231	172.7	133.8
1919	184	188.3	97.7	1928	232	170.7	135.9
1920	234	208.5	112.2	1929	233	170.8	136.4
1921	218	177.3	123.0				

Source: Bureau of Labor Statistics, Department of Labor.

No. 351.—WAGES AND HOURS OF LABOR: AVERAGE FULL-TIME HOURS PER WEEK AND EARNINGS PER HOUR IN SPECIFIED MANUFACTURING INDUSTRIES

NOTE.—General index based on 1913=100. Data are not collected annually, but at intervals; they are available, however, for some years not shown in this table unless otherwise indicated. For hours of labor in mines and quarries see Table 742; also consult index under "Wages" for data in other sections

TEXTILES

Cotton goods

Year	Weavers, male		Weavers, female		Spinners, frame, male		Spinners, frame, female		Speeder tenders, male		Speeder tenders, female		General index [1]	
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
		Dolls.		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*		
1910	58.8	0.151	57.8	0.147	57.2	0.120	59.0	0.108	61.4	0.131	57.8	0.133	102.1	87.5
1913	57.6	.170	56.7	.164	56.9	.143	57.8	.128	59.8	.145	56.5	.153	100.0	100.0
1916	56.7	.205	55.7	.201	56.6	.164	57.2	.149	58.5	.174	55.6	.188	98.6	120.6
1918	56.2	.301	55.4	.285	54.3	.248	56.1	.233	58.2	.265	55.0	.277	97.0	179.9
1920	51.8	.573	50.3	.528	50.7	.475	51.8	.427	54.2	.533	50.2	.486	89.7	323.5
1922	52.6	.389	51.6	.380	53.4	.292	52.6	.301	54.1	.358	51.0	.369	91.5	222.4
1924	52.8	.449	51.8	.429	53.2	.369	53.1	.319	54.3	.394	51.2	.411	91.8	250.7
1926	53.2	.396	51.9	.375	55.1	.289	53.5	.282	55.1	.343	51.0	.368	92.3	221.0
1928	53.4	.392	52.2	.371	57.8	.339	52.9	.276	55.1	.345	51.2	.359	92.5	218.3
1930	52.7	.400	52.0	.381	55.5	.322	53.5	.266	54.8	.343	51.3	.349	92.5	219.0

Men's clothing

Year	Cutters, cloth, male		Pressers, coat, male		Operators, coat, male		Operators, coat, female		Hand sewers, coat, female		Basters, coat, male		General index [1]	
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
1911	49.9	0.406	55.1	0.240	55.9	0.264	54.2	0.195	54.8	0.155	55.3	0.220	104.6	86.7
1913	49.0	.433	52.3	.291	52.5	.305	52.1	.199	52.1	.179	52.5	.267	100.0	100.0
1919	47.7	.628	47.8	.541	47.6	.591	48.1	.361	47.8	.334	47.5	.511	92.7	173.5
1922	44.0	1.033	44.1	.869	44.1	.962	43.9	.593	44.2	.526	44.3	.848	85.3	283.2
1924	44.2	1.111	44.2	.934	44.1	1.033	43.6	.614	44.1	.555	44.4	.889	86.3	295.7
1926	44.2	1.123	44.3	.933	44.1	1.034	44.4	.638	44.4	.545	44.3	.925	85.7	291.8
1928	43.8	1.129	44.0	.912	44.2	1.016	43.3	.632	43.9	.527	44.2	.905	85.1	284.4
1930	44.0	1.139	44.2	.867	44.3	.958	43.8	.570	44.2	.496	44.3	.834	85.7	272.7

Woolen and worsted goods

Year	Weavers, male		Weavers, female		Spinners, mule, male		Spinners, frame, female		Burlers, female		Laborers, dyehouse, male		General index [1]	
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
1910	57.1	0.207	56.3	0.180	57.0	0.224	56.0	0.122	56.5	0.130	56.3	0.143	101.3	90.4
1913	56.3	.232	56.0	.197	56.5	.239	55.5	.140	55.6	.146	55.6	.159	100.0	100.0
1916	54.9	.304	54.5	.271	55.3	.316	53.9	.180	54.6	.185	55.0	.197	97.8	126.7
1918	54.5	.470	54.1	.406	54.9	.499	52.4	.278	54.1	.276	54.7	.304	97.0	192.6
1920	48.3	.807	48.3	.747	48.2	.816	48.2	.481	48.4	.452	48.3	.504	80.2	353.7
1922	48.3	.616	48.4	.576	49.2	.670	48.4	.345	48.2	.371	48.9	.435	87.1	267.0
1924	48.8	.701	48.9	.654	48.9	.755	48.9	.417	49.2	.420	49.2	.490	87.7	300.2
1926	48.9	.652	49.2	.600	49.7	.695	49.8	.362	49.3	.381	49.4	.445	88.0	276.5
1928	48.9	.658	48.8	.605	49.5	.684	49.7	.383	49.3	.383	49.1	.463	88.0	289.5
1930	49.3	.636	49.2	.579	49.5	.659	49.1	.387	49.0	.354	49.4	.458	88.0	266.4

Hosiery and underwear

Year	Boarders, hosiery, male		Finishers, underwear, female		Knitters, web or tube underwear, male		Knitters, transfer, hosiery, female		Loopers, hosiery, female		Seamers, underwear, female		General index [1]	
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
1910	57.0	0.193	57.9	0.150	58.0	0.201	57.5	0.121	57.3	0.133	57.8	0.143	104.2	82.0
1913	55.8	.219	54.7	.184	55.4	.249	56.0	.149	56.0	.150	54.5	.176	100.0	100.0
1919	52.5	.450	51.9	.297	52.9	.407	53.0	.272	52.2	.296	51.3	.287	94.2	183.1
1922	51.3	.462	50.2	.327	51.8	.448	50.7	.293	50.8	.327	50.3	.326	91.9	213.0
1924	51.9	.531	49.8	.377	51.3	.528	50.8	.344	50.8	.384	50.3	.372	91.3	246.1
1926	53.4	.481	50.3	.358	52.0	.534	52.5	.298	52.4	.371	50.2	.374	92.4	266.6
1928	53.8	.521	50.2	.341	52.2	.490	53.1	.294	53.0	.365	50.2	.355	92.4	267.2
1930	53.7	.488	50.5	.341	52.5	.515	53.7	.273	53.1	.386	50.0	.354	92.9	273.3

[1] Covers all occupations of industry or branch of industry indicated, including those not shown.

No. 351.—Wages and Hours of Labor, Etc.—Continued

BOOTS AND SHOES

Year	Cutters, hand, male		Treers, male		Vampers, female		Bed-machine operators, male		Top stitchers, female		Lining makers, female		General index [1]	
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		
1910	56.3	0.319	55.9	0.259	56.9	0.238	56.4	0.311	56.3	0.188	56.5	0.164	102.7	92.0
1913	54.5	.351	55.3	.282	54.7	.246	55.2	.330	54.6	.210	54.6	.190	100.0	100.0
1916	53.9	.375	54.9	.291	53.9	.254	55.0	.349	54.0	.220	53.9	.198	99.1	107.5
1918	52.0	.484	52.3	.403	51.7	.312	52.1	.500	51.6	.285	51.5	.241	94.9	139.7
1920	47.8	.820	48.3	.677	48.8	.506	48.7	.789	48.5	.448	48.6	.378	88.2	232.0
1922	48.3	.787	48.6	.577	49.0	.480	48.9	.668	48.8	.433	48.8	.362	88.4	207.9
1924	48.4	.838	48.8	.624	49.4	.519	49.1	.692	49.3	.462	49.3	.369	88.9	214.1
1926	48.9	.808	49.2	.611	49.1	.531	49.1	.700	49.3	.486	49.3	.413	88.9	219.1
1928	48.6	.824	49.2	.624	49.3	.505	49.2	.682	49.4	.451	49.2	.398	89.2	220.8
1930	48.7	.796	49.1	.563	49.1	.465	49.0	.657	49.1	.419	48.8	.395	88.8	212.0

IRON AND STEEL

Blast furnaces

Year	Stockers		Larrymen		Blowers		Keepers		Keepers' helpers		Laborers		General index [1]	
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		
1913	78.0	0.192	82.3	0.217	82.2	0.332	82.0	0.235	82.2	0.186	72.5	0.171	100	100
1915	74.0	.188	78.6	.211	80.6	.336	79.4	.232	80.1	.182	71.3	.171	97	101
1917	77.4	.295	77.2	.327	77.8	.485	77.4	.344	77.6	.292	75.3	.281	[2]	[2]
1919	78.1	.465	80.4	.542	79.8	.755	80.6	.562	80.2	.480	77.9	.457	[2]	[2]
1920	75.5	.527	73.8	.586	73.2	.868	73.3	.635	74.5	.522	72.3	.474	94	279
1922	74.4	.352	75.1	.402	72.4	.678	75.3	.420	75.3	.349	67.7	.315	94	194
1924	60.5	.465	57.7	.548	58.3	.889	57.1	.579	58.6	.475	62.4	.401	78	254
1926	60.1	.465	57.9	.551	58.5	.902	57.4	.577	59.1	.471	62.4	.389	78	252
1929	62.6	.451	58.5	.552	58.7	.918	57.7	.579	59.5	.486	63.8	.373	79	258

Open-hearth furnaces

	Stockers		Charging-machine operators		Meltors' helpers, first		Steel pourers		Ladle cranemen		Laborers		General index [1]	
1913	77.8	0.197	78.0	0.335	77.1	0.440	77.0	0.370	77.2	0.341	76.2	0.187	100	100
1915	77.3	.199	77.7	.330	75.5	.437	75.7	.356	76.0	.327	70.8	.186	97	104
1917	77.4	.296	77.1	.467	76.3	.586	76.0	.466	76.4	.466	74.4	.292	[2]	[2]
1919	75.7	.506	75.3	.753	74.9	.966	73.2	.796	75.6	.733	76.2	.468	[2]	[2]
1920	70.9	.573	67.2	.895	69.4	1.089	68.0	.929	68.3	.837	68.5	.525	90	283
1922	73.9	.379	72.2	.625	71.4	.775	70.4	.645	72.9	.588	67.9	.354	92	203
1924	58.2	.540	56.3	.863	55.5	1.064	56.5	.837	55.2	.832	59.0	.434	76	268
1926	57.8	.535	55.7	.951	55.3	1.170	55.6	.889	54.9	.900	59.2	.429	74	286
1929	57.9	.560	56.2	.958	55.9	1.247	56.3	.927	55.8	.941	60.5	.433	75	301

Bar mills

	Stockers		Rollers		Roughers		Finishers		Hotbed men		Laborers		General index [1]	
1913	60.2	0.216	59.3	0.985	59.8	0.436	59.6	0.350	60.3	0.217	62.5	0.169	100	100
1915	60.2	.198	59.4	.944	58.9	.438	59.8	.352	60.0	.216	62.9	.173	100	92
1919	63.7	.524	61.3	1.821	60.7	.933	61.6	.766	59.4	.545	66.1	.443	[2]	[2]
1920	61.5	.612	59.5	1.949	57.8	1.034	60.0	.866	58.8	.618	65.1	.506	100	248
1922	59.2	.420	58.4	1.416	57.3	.709	57.9	.638	58.3	.439	64.5	.316	100	169
1924	56.0	.502	53.9	1.577	54.7	.810	54.0	.749	53.8	.538	57.5	.392	90	203
1926	54.2	.519	53.2	1.699	53.2	.847	53.0	.848	53.0	.556	55.0	.411	89	205
1929	53.5	.530	55.0	1.822	55.8	.887	53.9	.952	54.5	.601	56.0	.309	90	217

[1] Covers all occupations of industry or branch of industry indicated, including those not shown.
[2] Not available. Data were collected for a group of selected occupations only in 1917 and 1919.

No. 351.—Wages and Hours of Labor, Etc.—Continued

IRON AND STEEL—Continued

Year	Tin-plate mills															
	Rollers		Roughers		Doublers, hand		Heaters, level-handed		Tinners, hand		Assorters, female		General index[1]	
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour		
		Dolls.		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*		
1913	42.7	1.139	42.7	0.533	42.7	0.740	42.7	0.595	43.6	0.433	53.7	0.163	100	100
1915	42.7	1.106	42.7	.562	42.7	.718	42.7	.611	43.3	.442	55.4	.162	109	103
1919	42.7	2.248	42.7	1.193	42.7	1.408	42.7	1.273	43.0	.977	48.5	.417	[2]	[2]
1920	42.7	2.542	42.7	1.363	42.7	1.655	42.7	1.465	42.9	1.114	46.9	.495	110	228
1922	42.7	1.701	42.7	.893	42.7	1.046	42.7	1.001	43.3	.795	43.3	.365	108	156
1924	42.7	2.099	42.7	1.150	42.7	1.243	42.7	1.229	43.4	.976	43.6	.422	106	191
1926	42.7	1.635	42.7	.902	42.7	.787	42.7	.917	43.5	.840	43.4	.384	104	169
1929	42.7	1.778	42.7	1.014	42.7	.912	42.7	.982	42.7	.907	46.1	.369	103	176

GENERAL INDEXES FOR OTHER BRANCHES—IRON AND STEEL

Year	Bessemer converters		Puddling mills		Blooming mills		Plate mills		Standard-rail mills		Sheet mills	
1913	100	100	[3]	[3]	100	100	100	100	100	100	100	100
1915	93	93	98	96	97	101	98	106	100	97	100	93
1920	100	238	101	270	92	240	98	263	86	249	96	215
1922	98	165	98	151	93	178	95	187	87	185	98	144
1924	75	220	105	220	75	231	82	220	81	226	90	167
1926	75	226	98	200	74	237	80	238	78	234	93	157
1929	77	226	95	209	75	251	83	251	79	247	93	164

FOUNDRIES[4]

Year	Core makers, males		Core makers, females		Laborers, males		Molders, hand, floor, males		Pattern makers, males		Employees in all occupations			
											Males		Females	
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
		Dolls.		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*
1923	51.4	0.690	49.2	0.431	53.5	0.426	51.2	0.729	51.1	0.750	52.4	0.560	49.3	0.404
1925	50.3	.734	48.6	.444	52.5	.481	50.4	.802	50.4	.804	51.5	.612	49.0	.427
1927	50.4	.755	48.4	.491	52.1	.491	49.9	.820	50.3	.830	51.1	.626	49.0	.459
1929	49.9	.744	49.1	.469	52.1	.490	50.0	.828	50.1	.833	51.0	.625	49.7	.451

MACHINE SHOPS[4]

Year	Assemblers, males		Fitters and bench hands, males		Laborers, males		Lathe hands and operators, engine, males		Machinists, males		Employees in all occupations			
											Males		Females	
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
		Dolls.		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*
1923	50.6	0.575	49.9	0.616	51.1	0.418	50.9	0.633	50.0	0.683	50.8	0.560	49.1	0.366
1925	49.6	.634	49.8	.643	50.6	.456	50.3	.663	49.9	.702	50.4	.604	49.3	.420
1927	50.1	.653	49.5	.662	50.4	.456	50.2	.695	49.5	.728	50.1	.629	48.9	.403
1929	50.1	.657	49.8	.677	50.5	.469	50.3	.717	49.8	.739	50.3	.641	49.3	.399

MOTOR VEHICLES[4]

Year	Assemblers, chassis and final, males		Assemblers, motor, males		Gear-cutter operators, males		Grinding-machine operators, males		Tool and die makers, males		Employees in all occupations			
											Males		Females	
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
		Dolls.		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*
1922	50.3	0.644	50.0	0.661	50.2	0.678	50.0	0.710	50.0	0.769	50.1	0.662	50.3	0.438
1925	50.0	.721	49.8	.747	50.6	.746	50.1	.765	50.2	.875	50.3	.729	50.1	.467
1928	49.7	.768	50.1	.762	49.5	.760	48.8	.792	48.3	.919	49.4	.756	50.3	.487
1930	48.0	.681	48.8	.725	48.3	.740	47.6	.780	49.9	.887	48.7	.733	50.6	.437

[1] Covers all occupations of industry or branch of industry indicated, including those not shown.
[2] Not available. Data were collected for a group of selected occupations only in 1919.
[3] No data. [4] Data are available only for the years specified, see head note.

No. 351.—Wages and Hours of Labor, Etc.—Continued

LUMBER

Year	Doggers		Setters		Sawyers, head, band		Edgermen		Trimmer operators		Laborers		General index[1]	
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		
1910	(2)	(2)	(2)	(2)	61.2	0.543	61.2	0.255	61.0	0.209	61.3	0.166	100.3	97.3
1913	61.2	0.184	61.0	0.258	60.9	.557	61.0	.268	61.0	.217	61.1	.171	100.0	100.0
1915	61.3	.178	61.2	.239	61.0	.530	61.0	.252	61.1	.203	61.3	.157	100.0	91.4
1919	57.8	.358	57.0	.446	57.5	.768	57.5	.450	57.3	.405	57.1	.345	91.8	194.6
1921	58.1	.306	57.6	.412	57.8	.797	57.5	.437	57.0	.380	57.2	.285	93.6	166.5
1923	57.6	.343	57.0	.474	57.0	.883	57.1	.492	56.9	.430	57.5	.310	93.8	180.5
1925	58.2	.332	57.5	.458	57.7	.877	57.3	.468	57.7	.409	57.5	.309	93.8	178.0
1928	57.6	.335	56.5	.468	56.7	.887	56.7	.470	56.8	.429	56.9	.303	91.3	184.9
1930	57.9	.306	56.5	.451	55.9	.886	56.4	.461	55.8	.398	56.6	.291	91.2	179.0

FURNITURE[4]

Year	Assemblers and cabinet makers		Carvers, hand		Carvers, machine		Machine, hands		Upholsterers		Veneerers		General index[1]	
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour		
		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		
1910	58.0	0.228	56.1	0.313	(3)	(3)	58.7	0.212	55.0	0.207	58.8	0.200	101.4	98.0
1911	58.3	.230	56.2	.312	(3)	(3)	58.8	.211	55.8	.300	58.7	.206	101.7	98.2
1912	58.1	.228	56.3	.313	(3)	(3)	58.5	.211	56.4	.291	58.3	.213	101.4	97.3
1913	57.2	.227	55.2	.317	(3)	(3)	57.8	.217	56.2	.295	57.3	.217	100.0	100.0
1915	57.1	.235	55.5	.322	56.6	0.286	57.5	.223	55.3	.312	57.0	.218	99.5	103.2
1929	52.1	.560	48.6	.956	51.1	.705	52.4	.512	50.1	.724	52.5	.454	89.9	236.3

SLAUGHTERING AND MEAT PACKING

Year	Cattle killing												Hog killing	
	Headers, male		Leg breakers, male		Floormen or siders, male		Gutters and bung droppers, male		Splitters, male		Laborers, male		Stickers, male	
		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.
1917	(3)	0.384	(3)	0.318	(3)	0.563	(3)	0.319	(3)	0.591	(3)	0.238	(3)	0.357
1921	47.6	[6].645	47.8	[6].574	48.0	[6].848	47.8	[6].578	47.8	[6].855	47.8	[6].471	49.6	[6].611
1923	52.1	.627	52.8	.529	52.6	.849	52.5	.554	52.5	.857	52.2	.436	53.0	.652
1925	50.0	.641	49.9	.553	49.9	.856	50.1	.575	50.0	.855	50.2	.442	51.8	.627
1927	49.0	.662	49.1	.556	49.2	.877	49.0	.587	49.1	.876	49.4	.451	50.3	.631
1929	48.6	.644	48.7	.580	48.7	.882	48.9	.598	48.7	.879	48.3	.466	50.0	.645

Year	Hog killing—Continued								All departments[7]			
	Scalders, male[8]		Shavers and scrapers, male		Gutters, bung droppers, and rippers-open, male		Splitters, male		Laborers, male[9]		All males	All females
		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		
1917	(3)	0.295	(3)	0.290	(3)	0.337	(3)	0.364	(3)	0.237	(3)	0.271	(3)	0.178
1921	48.8	[6].516	48.9	[6].502	48.7	[6].584	48.8	[6].621	48.8	[6].451	48.4	[6].511	48.3	[6].305
1923	52.1	.496	52.5	.497	52.4	.572	52.3	.627	52.2	.444	52.2	.499	52.8	.361
1925	51.9	.514	51.4	.523	51.9	.590	51.5	.635	51.7	.433	50.2	.507	49.4	.359
1927	50.5	.521	50.6	.535	50.4	.589	50.1	.630	51.0	.442	49.3	.520	49.1	.364
1929	50.2	.516	49.9	.528	50.0	.602	49.9	.654	49.8	.443	49.3	.525	49.5	.369

[1] Covers all occupations of industry or branch of industry indicated, including those not shown.
[2] No data.
[4] Data are available only for years specified, see head note.
[5] Data for doggers and setters not shown separately prior to 1911.
[6] Not including data for 1 establishment in which employees are paid biweekly.
[7] Includes cattle, hog, sheep, and calf killing, offal, hide, casing, cutting or fresh beef, cutting or fresh pork, lard and oleo oil, sausage, cured meat, canning, and maintenance and repair departments.
[8] Includes tubmen, droppers, gamb cutters, polemen, and duckers.
[9] Includes drivers, penners, steamers, singers, washers, aitchbone breakers, and toe pullers.

Source: Bureau of Labor Statistics, Department of Labor.

No. 352.—WAGES PER HOUR AND HOURS OF LABOR PER WEEK IN THE PETROLEUM INDUSTRY, 1929

NOTE.—The four States shown accounted for about 85 per cent of the total petroleum production in the United States in 1928. The "general average," which covers all occupations of the industry indicated, including those not shown separately, is weighted according to the relative importance of the occupations

District	Oil wells															
	Derrick men		Drillers		Drillers' helpers and clean-outs' helpers		Engineers and pumpers		Firemen		Laborers, roustabouts, and connection men		General average			
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour		
		Dolls.		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*
California	48.0	0.991	48.0	1.369	48.0	0.888	48.0	0.812	48.0	0.769	48.0	0.734	48.0	0.917		
Louisiana, northern	70.5	.511	75.6	.819	76.5	.438	71.3	.494	79.8	.468	67.3	.472	69.9	.522		
Louisiana, southern	65.9	.562	68.2	.954	66.9	.496	72.2	.516	70.3	.521	63.6	.488	66.7	.572		
Oklahoma	84.0	.602	74.5	1.080	66.5	.616	73.8	.454	78.0	.486	56.5	.522	62.6	.553		
Texas, Gulf	60.4	.582	61.1	.969	59.2	.533	76.2	.479	69.8	.512	58.8	.519	62.5	.585		
Texas, other	76.2	.505	80.3	.881	77.4	.501	81.5	.435	82.1	.479	65.0	.491	67.4	.535		

	Pipe lines													
	Engineers and pumpers		Firemen		Gaugers		Laborers, roustabouts, and connection men		Line walkers		Telegraph operators		General average	
California	48.0	0.871	48.0	0.799	48.0	0.900	48.0	0.704	48.0	0.745			48.0	0.803
Louisiana [1]	57.4	.673	53.6	.630	59.5	.726	55.1	.437	57.4	.604	50.1	0.668	55.5	.612
Oklahoma	58.3	.694	51.1	.711	64.1	.698	55.4	.456	56.5	.613	48.4	.720	56.3	.590
Texas, Gulf	55.5	.666	55.4	.605	53.9	.694	55.5	.479	56.4	.632	50.1	.690	55.2	.577
Texas, other	57.1	.681	55.3	.629	61.5	.661	61.9	.493	60.8	.565	52.6	.666	60.4	.591

[1] Northern and southern Louisiana districts combined to avoid disclosing the identity of establishments

Source: Bureau of Labor Statistics, Department of Labor.

No. 353.—WAGES PER HOUR IN THE COAL-MINING INDUSTRY

NOTE.—Practically all 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 less hours. General averages are weighted according to relative importance of the different occupations. Data are not collected annually, but at intervals, and are available only for the years specified

Industry and occupation	1922	1924	Industry and occupation	1922	1924	1926	1929
Anthracite: [1]			**Bituminous:**				
Average wages (cents per hour)—			Average wages (cents per hour)—				
General average	79.5	85.7	General average [2]	85.3	78.8	76.3	85.9
Contract miners	117.3	143.2	Brakemen [1]	77.9	71.0	68.7	59.6
Laborers	82.9	97.1	Drivers [1]	82.4	74.8	70.8	63.7
Drivers	58.0	63.2	Loaders, hand [3]	90.2	81.1	77.9	64.8
Company miners	69.7	79.5	Miners, hand or pick [3]	84.0	80.8	78.3	67.3
Laborers	62.9	69.6	Miners, machine [3]	127.4	116.3	119.5	101.8
Trackmen	67.5	74.1	Trackmen [1]	82.6	73.7	70.5	63.5

[1] Based on hours actually worked, excluding lunch time.
[2] 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.
[3] Based on hours actually worked, plus lunch time.

Source: Bureau of Labor Statistics, Department of Labor.

No. 354.—WAGES PER HOUR AND HOURS OF LABOR PER WEEK IN SUNDRY INDUSTRIES

NOTE.—The averages for wages are weighted according to the relative importance of the different occupations in the industry. Data are available only for the years specified

Year and industry	Hours, average		Wages, average	
	Males	Females	Males	Females
1923			*Cents*	*Cents*
Automobile tire	49.6	49.0	74.1	46.0
Paper and pulp mills:				
Pulp	52.8	49.7	46.9	33.4
Book paper	51.4	51.5	52.7	31.9
Newsprint	49.3	50.3	58.9	32.9
Wrapping paper	52.4	52.7	52.8	30.2
Writing paper	51.3	51.2	55.1	37.9
1924				
Metalliferous mines	53.0	-------	55.9	-------
1925				
Paper box board	54.3	53.9	51.8	28.3
Potteries:				
Semivitreous	(1)	(1)	70.5	38.5
Vitreous	(1)	(1)	63.8	32.9
1927				
Aluminum, brass, and copper wares	52.2	52.6	57.9	35.5
Brass and copper sheet, rod, tube, wire and shape mills	53.8	54.7	55.6	34.8
1927—Continued				
Batteries and small motors:				
Dry cell	49.5	49.3	54.1	41.6
Storage	48.6	49.2	69.8	39.2
Motors (1 H. P. or less)	48.9	48.0	64.2	42.9
Radio manufacture:				
Receiving sets	48.5	48.3	59.0	38.4
Speakers	48.4	46.8	55.5	39.9
Tubes	48.9	48.5	60.2	40.7
Cotton compresses	56.2	[2] 55.9	31.6	[2] 13.2
Cottonseed-oil mills	70.9	(3)	24.0	(3)
Cotton gins	66.2	(3)	29.3	(3)
1929				
Aircraft engines	48.9	(3)	70.6	(3)
Airplanes	47.9	47.3	66.9	38.0
Portland cement	60.8	52.0	51.8	38.9
1930				
Cigarettes	49.9	49.9	37.8	26.8
Dyeing and finishing of textiles	51.0	50.5	47.3	33.5
Rayon and other synthetic textiles	51.1	49.0	50.4	34.4
Cane-sugar refining	50.3	51.5	47.2	28.9

[1] The normal or customary hours of operation of the great majority of the potteries included in the study are 9 hours per day and 54 hours per week. Working hours in a pottery, however, are more nominal than normal, as so many employees are piecework ers and to quite an extent determine their own time.
[2] All female workers were "Colored." [3] No females employed in the plants covered.

No. 355.—WAGES OF COMMON LABOR IN ROAD BUILDING: CENTS PER HOUR

NOTE.—The current data beginning January, 1922, are compiled directly from Federal-aid project reports. Earlier data included reports on farm labor or other forms of common labor closely correlated, as reported to the Department of Agriculture and 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
Monthly average:										
1915	20	20	20	14	12	16	21	25	26	26
1916	23	25	24	16	13	17	24	28	29	28
1917	28	31	30	21	17	21	29	34	36	36
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	36	43	52
1927	39	49	47	28	25	30	39	38	45	53
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
1929										
March	37	51	44	23	27	33	42	37	43	52
June	40	51	42	29	26	32	38	37	47	52
September	41	51	43	29	25	31	39	37	48	54
December	40	51	45	27	25	31	39	38	50	53
1930										
March	39	52	44	25	27	28	38	37	46	53
June	40	49	43	26	25	28	38	37	48	54
September	40	50	42	23	24	27	38	37	48	53
December	37	51	41	22	22	28	37	37	45	51

Sources: Table 354, Bureau of Labor Statistics, Department of Labor; Table 355, Bureau of Public Roads, Department of Agriculture.

No. 356.—AVERAGE HOURLY ENTRANCE WAGE RATES PAID COMMON LABOR

NOTE.—Rates in cents per hour. 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; those distinctions have not been maintained in the tabulated data, although it is apparent that the lowest rates are shown for those geographic divisions 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	1926			1927		1928		1929		1930
	Jan. 1	July 1	Oct. 1	Jan. 1	July 1	Jan. 1	July 1	Jan. 1	July 1	July 1
Industries reporting	[1] 40.2	42.8	43.4	43.2	42.6	43.0	44.9	45.0	43.7	43.1
Automobiles	46.6	46.1	44.3	45.6	46.3	50.5	57.2	55.9	49.9	48.2
Brick, tile, and terra cotta	41.7	40.7	38.1	40.2	42.2	38.0	39.4	37.8	37.8	38.0
Cement	40.4	40.1	40.1	39.6	39.2	38.3	37.2	37.9	37.8	37.9
Electrical machinery, apparatus and supplies	41.5	43.1	45.2	43.0	44.2	44.9	46.0	45.7	45.9	44.8
Foundry and machine-shop products	36.7	37.1	38.9	38.7	37.8	38.1	38.4	39.4	39.8	39.0
Iron and steel	41.4	42.7	42.3	42.7	43.2	42.6	42.5	42.5	42.5	42.1
Leather	40.7	40.9	38.8	43.1	41.4	42.1	42.3	42.1	42.2	41.9
Lumber (sawmills)	30.6	33.6	33.4	33.4	32.2	31.0	31.7	30.8	32.0	31.6
Paper and pulp	40.5	42.8	42.6	43.8	42.5	44.2	44.3	43.1	44.0	43.2
Petroleum refining	49.1	47.9	48.4	46.4	44.0	44.5	45.4	48.0	45.7	48.1
Slaughtering and meat packing	41.2	41.5	41.9	41.9	41.7	41.8	42.2	41.2	42.0	41.8
Public utilities [2]	40.6	42.0	41.7	39.4	39.8	41.2	42.9	41.9	42.8	44.6
General contracting [3]	[4]	47.1	49.5	49.8	48.2	48.2	47.4	48.6	48.3	47.0
United States	[1] 40.2	42.8	43.4	43.2	42.6	43.0	44.9	45.0	43.7	43.1
New England	41.7	47.1	47.8	47.4	46.7	47.3	48.2	46.4	48.0	49.5
Middle Atlantic	42.6	45.1	46.9	46.8	47.2	48.7	47.8	47.6	46.4	46.1
East North Central	45.0	48.0	47.5	47.6	46.7	47.4	51.6	52.2	48.4	47.0
West North Central	39.4	40.1	40.6	41.0	40.6	41.1	41.3	41.0	41.8	40.8
South Atlantic	33.8	32.8	33.2	33.0	31.5	29.4	29.4	29.2	30.2	32.1
East South Central	26.3	27.6	27.4	27.0	27.0	26.7	26.0	26.3	26.8	26.7
West South Central	29.6	32.5	30.7	32.4	31.8	30.9	33.8	32.9	35.6	33.0
Mountain	40.3	44.4	44.8	46.3	44.4	43.7	44.0	45.1	44.9	45.2
Pacific	45.6	45.9	46.5	46.2	46.5	46.6	46.9	48.4	47.9	47.6

[1] Excludes data for "General contracting."
[2] Includes street railways, gas works, waterworks, and electric power and light plants.
[3] Includes building, highway, public works, and railroad construction.
[4] Data not available.

Source: Bureau of Labor Statistics, Department of Labor.

No. 357.—FEDERAL RESERVE BOARD INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES: REVISED SERIES

NOTE.—Monthly average, 1923–1925=100. Indexes are corrected for trend shown by biennial census data and are somewhat more comprehensive than those shown by the Department of Labor (Table 358). They are without seasonal adjustment. For details see Federal Reserve Board Bulletin for November, 1929, pages 706–716

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
EMPLOYMENT													
1921	81.3	82.7	83.1	82.1	82.2	81.3	79.9	81.4	83.3	84.0	84.2	83.3	82.4
1922	82.6	84.4	85.6	85.4	87.6	89.5	87.0	90.3	93.6	96.5	98.5	100.0	90.1
1923	100.6	102.4	104.9	105.2	105.3	105.9	104.8	105.5	105.9	104.8	103.4	101.3	104.2
1924	99.9	101.1	101.4	99.7	96.3	93.5	90.5	91.8	94.3	95.1	94.6	95.9	96.2
1925	96.4	98.2	99.5	99.3	98.4	98.2	98.1	99.8	102.0	102.4	101.9	101.6	99.7
1926	100.8	101.9	102.6	101.9	100.9	100.7	99.3	101.1	103.5	103.2	101.2	100.0	101.4
1927	98.1	99.7	100.4	99.8	99.1	99.0	98.0	99.2	100.6	99.3	96.9	95.5	98.8
1928	94.2	95.7	96.6	96.0	95.7	96.2	95.7	98.3	100.3	100.2	98.8	98.1	97.2
1929	97.5	99.8	101.4	102.1	101.9	102.0	102.1	104.0	105.4	103.3	98.9	95.2	101.1
1930	93.2	93.3	93.1	92.6	90.9	88.8	85.5	85.1	86.4	84.3	81.0	78.8	87.8
PAY ROLLS													
1921	84.0	82.3	82.4	79.6	78.0	76.1	72.2	74.4	73.9	73.1	72.0	73.6	76.8
1922	69.7	72.7	74.8	73.8	77.2	80.4	77.6	82.4	86.5	89.4	93.1	95.6	81.1
1923	94.1	97.8	102.8	103.9	107.3	107.5	103.2	104.2	104.8	107.2	104.9	103.1	103.4
1924	98.4	103.6	103.8	101.4	96.8	91.7	85.1	88.9	92.3	95.2	93.5	97.6	95.7
1925	95.4	100.9	103.0	100.4	100.7	98.7	97.1	99.5	99.4	105.2	105.1	105.5	100.9
1926	101.2	105.6	107.4	105.3	103.8	103.8	99.3	103.6	105.0	108.3	104.6	103.8	104.3
1927	98.6	104.8	106.3	105.0	104.3	102.5	98.6	102.2	101.9	102.5	98.5	99.4	102.0
1928	95.7	101.1	102.5	100.3	100.8	100.9	98.3	102.5	104.2	107.5	103.6	104.2	101.8
1929	100.8	108.1	110.8	111.4	111.4	109.7	105.7	110.6	111.9	110.9	102.5	99.1	107.7
1930	94.4	97.7	98.2	97.1	94.5	90.7	82.6	81.7	83.0	80.8	75.1	73.7	87.4

Source: Federal Reserve Board.

No. 358.—EMPLOYMENT AND PAY-ROLL INDEXES IN MANUFACTURING INDUSTRIES

NOTE.—**Monthly average 1926=100.** Indexes are based on returns from 12,500 establishments in 54 principal industries shown in Table 362, employing approximately 3,500,000 persons. Returns cover one week, ending on or about the 15th, in each month. Indexes are weighted according to the relative importance of the industries included. See also Table 357

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
EMPLOYMENT													
1924	103.8	105.1	104.9	102.8	98.8	95.6	92.3	92.5	94.3	95.6	95.5	97.3	98.2
1925	97.9	99.7	100.4	100.2	98.9	98.0	97.2	97.8	98.9	100.4	100.7	100.8	99.2
1926	100.4	101.5	102.0	101.0	99.8	99.3	97.7	98.7	100.3	100.7	99.5	98.9	100.0
1927	97.3	99.0	99.5	98.6	97.6	97.0	95.0	95.1	95.8	95.3	93.5	92.6	96.4
1928	91.6	93.0	93.7	93.3	93.0	93.1	92.2	93.6	95.0	95.9	95.4	95.5	93.8
1929	95.2	97.4	98.6	99.1	99.2	98.8	98.2	98.6	99.3	98.3	94.8	91.9	97.5
1930	90.2	90.3	89.8	89.1	87.7	85.5	81.6	79.9	79.7	78.6	76.5	75.1	83.7
PAY ROLLS													
1924	98.6	103.8	103.3	101.1	96.5	90.8	84.3	87.2	89.8	92.4	91.4	95.7	94.6
1925	93.9	99.3	100.8	98.3	98.5	95.7	93.5	95.4	94.4	100.4	100.4	101.6	97.7
1926	98.0	102.2	103.4	101.5	99.8	99.7	95.2	98.7	99.3	102.9	99.6	99.8	100.0
1927	94.9	100.6	102.0	100.8	99.8	97.4	93.0	95.0	94.1	95.2	91.6	93.2	96.5
1928	89.6	93.9	95.2	93.8	94.1	94.2	91.2	94.2	95.4	99.0	96.1	97.7	94.5
1929	94.5	101.8	103.9	104.6	104.8	102.8	98.2	102.1	102.6	102.3	95.1	92.0	100.4
1930	87.6	90.7	90.8	89.8	87.6	84.1	75.9	73.9	74.2	72.7	68.3	67.4	80.3

Source: Bureau of Labor Statistics, Department of Labor.

No. 359.—MANUFACTURING ESTABLISHMENTS: AVERAGE PERCENTAGE OF FULL FORCE EMPLOYED AND OF FULL TIME ACTIVE, OPERATING ESTABLISHMENTS ONLY

NOTE.—Statistics cover the same industries as Table 358, but the reports are somewhat less complete, covering usually about 10,000 establishments.

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Average percentage of normal full force employed:												
1925	82	83	83	83	82	82	82	85	84	85	85	85
1926	85	87	87	87	86	85	86	87	88	88	87	87
1927	86	87	88	88	87	87	87	87	89	88	85	84
1928	84	85	86	86	87	87	87	87	90	90	89	89
1929	91	93	92	93	93	93	92	93	93	92	89	87
1930	87	87	87	87	85	84	80	78	78	77	76	(1)
Average percentage of full time operated:												
1925	92	93	93	92	92	92	92	94	93	94	94	94
1926	93	94	94	93	93	92	96	97	98	98	97	97
1927	96	97	97	97	97	96	97	97	97	97	96	96
1928	96	96	96	96	96	97	96	97	97	98	97	98
1929	97	98	98	98	98	98	97	98	98	98	97	96
1930	95	95	95	94	94	93	91	91	92	92	90	90

[1] Data discontinued beginning December, 1930.

Source: Bureau of Labor Statistics, Department of Labor.

No. 360.—EMPLOYMENT AND PAY-ROLL INDEXES IN MANUFACTURING ESTABLISHMENTS: BY GEOGRAPHIC DIVISIONS

NOTE.—**Monthly average 1926=100.** Figures are unweighted relative numbers. As to scope of reports on which indexes are based see head note Table 358

Year and month	New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific
	Employment								
1926									
March	104.4	102.1	103.6	99.0	102.1	102.8	98.8	95.6	96.5
June	98.4	99.2	99.9	100.1	98.1	98.6	100.5	103.1	102.5
September	99.1	99.7	100.9	102.0	100.6	98.7	101.2	103.4	101.8
December	99.5	98.9	94.1	98.2	101.4	97.2	99.8	100.4	97.8
1927									
March	99.4	97.8	99.0	96.6	102.9	95.4	97.4	93.0	97.0
June	95.3	94.0	97.7	99.5	100.9	93.0	94.9	99.0	101.7
September	95.5	93.6	94.5	98.9	101.8	92.6	95.3	98.2	100.7
December	92.0	90.6	91.5	93.3	99.9	92.0	90.8	93.4	94.6

No. 360.—Employment and Pay-Roll Indexes in Manufacturing Establishments: By Geographic Divisions—Continued

Year and month	New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific
	Employment—Continued								
1928									
March	90.9	89.4	100.1	96.0	100.0	91.8	89.6	90.0	93.8
June	85.8	88.3	102.7	98.7	96.5	90.0	89.0	97.2	90.3
September	88.0	89.4	107.5	97.1	98.2	90.8	92.1	97.6	101.5
December	91.6	91.1	104.2	96.1	99.0	91.3	90.2	95.3	95.5
1929									
January	91.1	90.9	107.0	95.9	98.0	92.1	88.4	92.6	92.7
February	92.2	93.1	111.8	97.9	100.1	92.3	89.6	89.0	92.0
March	92.8	94.0	113.4	97.3	101.6	93.1	93.0	92.2	94.3
April	92.6	94.2	114.2	97.9	101.5	93.5	94.1	94.3	98.2
May	92.2	94.7	114.9	98.9	100.2	90.7	93.3	97.7	100.9
June	91.3	95.3	112.3	100.6	100.3	91.8	93.2	101.7	101.2
July	91.0	95.4	111.2	100.6	98.8	92.0	95.7	100.5	101.8
August	90.8	96.0	110.9	101.4	99.9	93.3	97.3	103.1	102.2
September	92.5	96.5	110.7	101.9	100.2	93.9	99.8	100.3	100.8
October	92.8	96.3	107.0	100.7	100.2	94.0	99.6	98.5	99.9
November	89.8	94.2	98.0	98.0	99.4	91.9	97.8	98.6	96.9
December	87.2	91.3	96.8	94.8	97.2	88.1	93.4	94.4	92.8
1930									
January	85.9	89.6	94.1	93.2	95.7	85.7	90.3	88.3	87.3
February	85.6	89.0	95.8	94.9	95.8	86.8	89.7	86.0	85.4
March	84.4	89.0	95.1	93.9	96.4	84.5	88.4	85.5	86.6
April	82.7	87.7	95.2	93.1	96.5	84.5	87.2	85.4	87.5
May	80.7	86.0	94.7	92.2	94.0	81.9	84.6	88.8	87.3
June	78.8	84.0	91.5	90.9	91.9	78.9	83.4	89.2	86.4
July	74.9	81.3	86.2	88.1	88.6	75.0	79.9	86.3	82.5
August	74.1	80.4	82.9	86.4	86.7	74.7	77.9	83.1	81.3
September	75.0	81.7	81.2	86.1	87.3	73.8	77.0	79.7	81.0
October	75.3	81.7	79.1	85.0	86.2	72.7	74.1	77.9	79.9
November	73.8	79.7	77.0	83.4	85.1	70.0	71.2	76.6	76.8
December	71.6	77.0	76.8	81.9	83.5	68.6	70.2	74.7	72.5
	Pay-roll totals								
1926									
March	106.7	103.2	106.5	100.4	103.1	103.8	97.6	97.2	97.2
June	97.4	99.6	100.2	102.2	97.4	98.7	100.5	104.3	104.6
September	98.2	99.4	99.4	101.2	99.6	97.0	100.8	101.0	101.2
December	100.1	100.4	92.1	96.4	104.0	99.3	102.9	102.6	99.0
1927									
March	101.5	99.8	102.9	96.5	104.1	98.1	100.3	97.6	99.0
June	96.0	94.1	97.4	99.9	100.3	93.7	98.5	102.1	104.0
September	96.7	92.3	91.7	96.8	99.9	91.8	98.0	97.9	100.5
December	92.0	90.6	92.3	92.1	99.4	91.1	94.7	91.2	97.9
1928									
March	90.2	90.6	105.4	97.4	99.5	91.9	93.0	94.1	96.6
June	86.1	89.0	105.7	100.5	95.9	89.3	91.6	99.8	101.3
September	90.5	89.8	109.7	97.0	97.1	88.3	95.4	100.1	101.6
December	95.3	93.5	106.7	94.9	100.9	93.0	95.3	98.7	96.6
1929									
January	92.4	91.1	104.5	94.1	96.3	88.8	91.4	95.2	90.9
February	96.0	95.8	120.0	98.4	102.3	92.7	93.5	95.0	93.3
March	97.4	97.9	121.8	99.3	104.3	93.1	100.5	98.4	96.3
April	96.6	98.2	123.7	100.6	105.1	94.9	101.9	101.2	101.5
May	95.7	98.7	123.9	102.4	104.2	92.1	101.4	104.4	105.5
June	95.0	98.8	117.6	103.1	103.1	92.0	99.9	106.2	104.2
July	93.8	96.2	107.0	102.1	98.7	90.9	102.4	106.2	102.7
August	93.9	98.7	115.5	104.3	101.6	94.3	104.8	104.3	102.7
September	96.7	99.6	113.1	104.5	102.1	94.8	109.9	105.1	102.5
October	96.1	100.2	110.0	103.2	103.7	95.6	112.1	105.3	103.1
November	88.4	95.9	95.6	97.8	101.3	89.8	105.1	103.6	98.6
December	86.8	93.5	89.8	94.7	99.4	87.3	102.4	102.3	96.0
1930									
January	84.5	89.2	86.5	91.8	95.6	83.6	96.0	91.4	85.9
February	84.5	89.9	95.5	94.8	97.7	88.9	96.5	90.8	88.8
March	83.3	90.6	96.4	95.4	98.1	84.6	97.3	91.9	89.7
April	80.6	88.2	96.2	95.3	98.7	85.2	95.9	94.3	91.3
May	78.1	85.6	95.0	94.1	95.2	80.9	92.0	96.0	91.2
June	75.1	82.8	89.3	90.8	91.4	77.3	92.1	93.9	90.2
July	70.3	77.1	76.6	84.6	84.3	68.7	86.1	89.1	79.2
August	69.2	76.5	70.7	82.9	82.4	69.4	82.6	84.3	80.3
September	70.2	77.7	71.2	82.7	83.4	68.1	81.8	80.6	78.5
October	69.1	76.9	69.2	80.7	83.6	67.9	78.6	79.4	78.0
November	65.1	72.2	66.3	76.8	80.5	62.3	73.1	75.9	71.2
December	64.6	69.7	64.5	77.2	79.2	62.6	72.4	75.5	67.4

Source: Bureau of Labor Statistics, Department of Labor.

No. 361.—EMPLOYMENT AND PAY-ROLL INDEXES IN MAJOR GROUPS OF MANUFACTURING INDUSTRIES

NOTE.—Monthly average 1926=100. Combined index for each group is weighted according to relative importance of industries covered. See also headnote Table 358

Yearly average and month	Employed	Pay roll	Employed	Pay roll	Employed	Pay roll	Employed	Pay roll	Employed	Pay roll	Employed	Pay roll
	Food products		Textile products		Iron and steel products		Other metal products		Lumber and products		Leather and products	
1925 average	101.2	99.9	103.7	104.2	95.0	93.3	99.2	99.4	102.5	100.4	101.9	101.8
March	100.3	98.7	107.3	112.9	96.5	96.7	99.8	101.4	101.9	100.2	105.6	109.3
June	99.4	99.5	102.0	98.7	94.1	91.3	98.4	98.5	103.2	102.6	95.1	93.7
September	102.8	99.1	100.9	96.9	93.9	87.9	98.8	94.0	103.7	102.0	105.0	103.2
December	103.0	103.1	104.1	104.8	97.9	99.7	104.1	107.3	100.9	102.1	98.8	96.0
1926 average	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
March	98.3	98.0	104.5	108.3	101.2	103.6	105.5	108.5	98.8	98.6	101.2	102.7
June	98.8	100.1	97.6	94.8	100.9	101.2	98.8	99.0	101.4	102.4	94.5	94.2
September	102.9	102.7	97.8	96.5	100.7	98.8	98.2	95.0	101.1	102.6	104.0	106.6
December	100.7	101.5	101.9	103.8	97.6	99.1	96.0	97.1	97.1	98.7	99.0	97.9
1927 average	99.4	100.0	101.3	103.0	93.2	91.9	92.9	91.6	91.9	93.1	97.9	97.4
March	97.1	97.0	104.2	109.4	98.2	100.6	97.0	99.4	91.3	92.7	101.4	102.5
June	101.0	102.8	99.9	100.3	94.5	94.4	93.0	92.9	92.5	94.9	94.4	94.0
September	102.6	102.2	100.9	103.1	91.3	87.1	91.2	87.3	93.7	95.9	101.1	103.6
December	100.1	100.9	100.6	102.3	86.6	85.2	88.2	88.4	87.9	90.1	91.8	87.1
1928 average	98.4	99.8	98.3	95.6	91.5	92.8	92.8	96.1	87.8	88.8	92.8	89.7
March	97.3	98.9	100.3	101.2	90.0	92.5	90.7	92.1	86.2	87.6	96.5	96.8
June	96.9	99.5	94.1	91.6	91.7	93.3	92.0	93.7	88.3	90.2	89.3	85.0
September	100.0	101.2	93.6	93.2	93.2	92.9	94.2	98.2	90.1	91.7	95.1	95.7
December	102.1	104.4	97.7	99.5	95.0	98.0	98.6	108.2	87.6	88.3	87.8	83.6
1929 average	99.4	101.7	97.0	97.2	98.9	102.6	97.6	102.8	87.9	88.9	92.8	89.9
March	97.4	98.6	99.0	104.3	99.2	105.2	101.9	112.3	86.2	86.8	91.8	88.2
June	98.9	102.7	97.3	97.3	101.7	106.8	98.9	104.6	89.8	90.7	88.5	86.8
September	102.1	105.3	97.1	97.8	100.7	104.2	96.2	100.6	91.4	94.9	98.4	100.7
December	100.3	102.8	93.5	90.7	93.2	92.7	88.7	87.4	81.2	81.2	89.1	81.4
1930 average	94.5	97.0	83.7	77.0	84.8	79.2	79.1	74.1	68.9	64.7	85.0	72.9
March	94.8	97.2	90.8	88.8	92.1	92.8	85.1	84.5	74.8	73.4	90.5	82.2
June	95.3	99.6	83.7	75.1	88.0	85.2	80.8	78.7	71.6	70.0	83.6	71.4
September	94.9	98.1	79.9	73.6	79.4	69.7	74.4	65.9	64.2	59.8	85.1	73.6
December	92.1	92.4	77.1	68.1	74.0	61.4	72.4	64.3	58.2	49.6	73.8	56.3
	Paper and printing		Chemicals and allied products		Stone, clay, and glass		Tobacco products		Vehicles		Miscellaneous products	
1925 average	97.3	94.3	95.8	94.2	97.9	97.3	107.5	105.7	99.8	100.7	94.6	92.8
March	98.0	95.1	100.6	98.5	95.8	95.8	109.3	103.1	98.6	103.0	96.3	96.3
June	95.9	92.0	88.5	89.4	101.0	99.6	105.8	105.2	99.0	99.8	93.9	91.1
September	96.7	91.9	98.9	93.9	100.1	97.2	107.5	104.8	101.0	98.0	93.1	88.9
December	100.0	100.9	99.6	98.8	98.6	99.9	111.0	115.4	101.6	104.4	97.3	97.1
1926 average	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
March	99.5	100.2	106.9	103.9	96.6	97.6	103.0	102.7	105.4	108.0	101.5	101.0
June	98.9	99.4	95.2	98.2	104.3	105.6	101.3	101.0	101.0	102.0	97.9	98.4
September	100.4	99.4	101.9	100.7	103.9	101.6	99.4	101.6	100.1	98.4	99.6	97.4
December	102.4	104.3	98.6	101.7	96.7	98.5	100.8	102.4	90.6	88.7	104.3	107.7
1927 average	100.1	101.2	96.6	99.1	94.5	94.2	98.1	97.1	90.3	91.6	99.5	100.9
March	100.8	102.4	106.7	108.1	96.1	96.6	97.5	93.6	94.6	98.4	105.9	109.3
June	98.8	99.6	91.8	98.2	99.3	99.2	98.8	100.1	93.3	92.5	102.0	102.9
September	99.8	100.2	95.3	96.8	95.3	93.4	102.6	104.2	89.6	87.9	94.4	91.5
December	101.7	104.9	91.9	96.5	89.1	89.0	98.7	100.2	85.0	87.1	93.4	97.9
1928 average	99.2	101.5	93.4	95.9	89.7	89.6	96.0	93.5	95.8	98.3	91.6	91.9
March	98.8	101.4	101.7	100.7	87.3	87.1	96.0	91.4	93.2	99.1	89.7	90.4
June	98.0	100.8	87.5	91.7	93.4	92.8	95.3	94.9	97.7	99.8	90.0	92.0
September	98.6	100.9	94.7	96.6	93.4	91.8	98.9	96.2	101.5	101.4	91.7	91.8
December	101.2	105.1	95.1	97.2	87.3	88.4	98.0	99.5	94.6	96.4	97.9	100.1
1929 average	101.3	106.0	99.4	102.3	86.6	85.3	93.6	92.8	99.8	105.2	110.7	112.3
March	100.1	106.4	103.2	102.5	84.0	83.3	94.2	89.2	106.9	117.2	107.4	112.6
June	100.2	105.2	94.4	99.9	90.7	90.8	93.5	93.6	103.1	109.8	115.3	118.5
September	102.9	107.7	101.6	105.2	90.5	89.6	95.9	98.6	99.9	104.8	114.7	115.1
December	103.8	109.4	98.8	103.0	79.6	78.7	91.4	94.0	83.7	84.1	106.2	108.1
1930 average	98.3	101.9	92.9	94.5	73.1	67.3	89.5	84.1	78.3	75.1	94.1	92.7
March	100.8	106.5	102.2	102.1	75.9	72.2	91.8	85.8	86.0	89.9	102.9	105.5
June	98.6	103.6	89.8	95.5	77.9	74.7	91.2	89.3	82.7	83.1	95.9	97.2
September	95.9	98.5	91.0	92.2	72.1	65.0	89.8	84.7	71.9	64.2	88.0	83.8
December	95.7	97.9	85.9	85.2	64.3	55.3	86.9	82.2	66.8	58.8	83.0	76.0

Source: Bureau of Labor Statistics, Department of Labor.

No. 362.—EMPLOYMENT AND PAY-ROLL INDEXES IN MANUFACTURING ESTABLISHMENTS: ANNUAL AVERAGES BY INDUSTRIES

NOTE.—Monthly average 1926=100. For general index of all industries and for group totals see Tables 358 and 361, respectively

Industry group and industry	Employment						Pay-roll totals					
	1925	1926	1927	1928	1929	1930	1925	1926	1927	1928	1929	1930
Food and kindred products:												
Slaughtering and meat packing	104.4	100.0	99.5	99.5	101.0	97.1	102.6	100.0	99.9	101.0	103.2	100.2
Confectionery	98.1	100.0	96.5	93.0	92.3	86.9	96.4	100.0	97.9	93.3	94.1	86.2
Ice cream	101.3	100.0	94.0	92.4	91.9	87.6	98.3	100.0	93.4	93.1	93.0	87.5
Flour	103.1	100.0	99.3	100.0	102.1	97.0	102.5	100.0	99.4	102.1	105.3	99.9
Baking	98.7	100.0	101.4	100.9	102.1	96.8	97.1	100.0	102.2	101.6	103.5	98.5
Sugar refining, cane	104.5	100.0	98.8	91.1	94.0	91.6	104.6	100.0	98.8	94.9	98.5	94.4
Textiles and products:												
Cotton goods	101.1	100.0	105.9	95.2	95.5	80.6	101.1	100.0	108.5	91.7	94.3	73.3
Hosiery and knit goods	100.2	100.0	99.0	94.7	98.1	87.5	96.4	100.0	102.2	97.3	104.3	84.6
Silk goods	103.1	100.0	98.4	96.9	98.0	86.5	102.7	100.0	99.2	100.2	100.9	81.7
Woolen and worsted goods	110.7	100.0	99.7	95.0	96.0	77.7	110.6	100.0	100.6	94.4	96.3	72.7
Carpets and rugs	100.7	100.0	102.5	101.0	106.8	81.9	101.2	100.0	104.1	95.9	101.4	66.0
Dyeing and finishing textiles	101.7	100.0	100.9	99.5	101.8	93.0	102.3	100.0	102.8	101.0	102.2	87.9
Clothing, men's	103.1	100.0	97.8	92.2	91.9	80.4	105.8	100.0	97.3	89.0	88.2	67.9
Shirts and collars	103.3	100.0	95.0	92.2	92.7	81.1	103.2	100.0	96.3	89.9	90.8	70.9
Clothing, women's	105.6	100.0	105.4	105.4	105.4	94.2	109.3	100.0	107.4	105.2	105.1	87.2
Millinery and lace goods	117.1	100.0	95.6	93.5	93.1	85.1	115.8	100.0	96.8	92.7	91.1	78.4
Iron and steel and products:												
Iron and steel	97.9	100.0	92.9	90.9	94.7	84.5	96.4	100.0	91.4	92.7	99.3	79.8
Cast-iron pipe	95.6	100.0	89.8	80.1	76.1	67.4	96.2	100.0	88.1	75.9	75.5	65.6
Structural ironwork	92.5	100.0	94.9	95.0	102.1	92.2	91.5	100.0	95.0	97.9	104.4	89.0
Foundry and machine-shop products	93.1	100.0	93.8	92.3	104.3	87.8	90.6	100.0	92.4	92.8	108.1	81.5
Hardware	103.6	100.0	92.2	88.9	91.9	78.8	98.4	100.0	90.9	88.4	93.7	68.5
Machine tools	85.8	100.0	92.8	100.8	129.8	98.7	88.4	100.0	92.2	107.5	139.8	90.2
Steam fittings and steam and hot-water heating apparatus	100.1	100.0	92.5	82.2	78.5	65.2	97.4	100.0	91.9	81.9	78.8	58.7
Stoves	97.8	100.0	91.2	87.6	90.8	74.3	97.8	100.0	90.4	84.7	87.3	64.1
Metal products:												
Stamped and enameled ware	99.0	100.0	88.9	88.8	90.4	77.9	100.2	100.0	90.5	90.4	91.1	71.8
Brass, bronze, and copper	99.2	100.0	94.5	94.4	101.1	79.7	99.1	100.0	92.0	98.0	107.4	74.9
Lumber and its products:												
Lumber, sawmills	103.6	100.0	91.0	86.7	85.9	67.7	101.7	100.0	92.4	88.0	86.9	65.0
Lumber, millwork	103.0	100.0	89.2	85.5	83.1	63.9	101.8	100.0	89.2	85.6	82.8	61.0
Furniture	99.1	100.0	96.1	92.5	95.9	75.2	95.6	100.0	98.2	93.2	97.0	66.6
Leather and its products:												
Leather	98.7	100.0	98.4	95.4	92.2	85.2	97.5	100.0	97.2	93.7	93.2	83.0
Boots and shoes	102.9	100.0	97.7	91.9	92.9	85.0	103.6	100.0	97.6	88.0	89.0	70.1
Paper and printing:												
Paper and pulp	98.7	100.0	97.5	94.4	95.5	91.3	96.8	100.0	96.6	94.9	98.2	89.8
Paper boxes	98.8	100.0	96.8	94.0	96.0	89.7	95.6	100.0	99.0	99.4	103.3	92.9
Printing, book and job	97.5	100.0	100.3	99.2	102.6	99.5	93.1	100.0	102.1	101.6	105.8	102.6
Printing, newspapers	95.4	100.0	103.4	105.2	108.3	108.5	93.0	100.0	104.6	107.4	112.8	112.3
Chemicals and allied products:												
Chemicals	97.3	100.0	100.0	99.3	103.2	94.3	94.3	100.0	103.7	103.3	107.1	94.1
Fertilizers	95.1	100.0	91.2	95.4	95.2	89.5	90.6	100.0	94.0	97.1	94.7	87.5
Petroleum refining	94.0	100.0	94.6	84.8	96.5	92.6	95.2	100.0	95.6	87.2	99.1	95.9
Stone, clay, and glass:												
Cement	105.3	100.0	95.8	87.7	81.1	74.1	104.9	100.0	96.5	88.3	81.0	71.6
Brick, tile, and terra cotta	98.9	100.0	94.3	84.9	80.5	63.1	99.1	100.0	94.1	82.8	76.9	55.3
Pottery	98.3	100.0	94.5	95.3	94.2	84.7	96.3	100.0	94.2	93.4	91.0	74.7
Glass	94.4	100.0	94.2	92.9	94.6	81.3	93.4	100.0	93.4	94.3	97.3	78.3
Tobacco products:												
Chewing and smoking tobacco and snuff	97.0	100.0	97.7	95.2	89.3	89.5	98.3	100.0	97.7	94.1	89.6	87.7
Cigars and cigarettes	109.0	100.0	98.1	96.0	94.2	89.5	106.7	100.0	97.0	93.4	93.2	83.7
Vehicles:												
Automobiles	99.0	100.0	91.2	111.3	116.9	83.7	102.4	100.0	90.3	114.4	118.7	74.6
Carriages and wagons	100.2	100.0	78.7	76.7	78.6	56.7	100.4	100.0	83.6	82.1	84.1	61.8
Car building and repairing—												
Electric-railroad	99.6	100.0	100.9	94.9	91.9	86.9	100.5	100.0	101.1	96.2	93.9	87.6
Steam-railroad	100.6	100.0	90.3	83.5	85.1	72.9	99.4	100.0	92.3	85.4	92.3	74.8
Miscellaneous:												
Agricultural implements	93.6	100.0	91.9	106.8	121.1	92.3	90.8	100.0	92.2	111.8	125.3	85.6
Electrical machinery, apparatus, and supplies	92.1	100.0	95.1	93.9	118.3	101.6	92.2	100.0	95.7	95.9	121.5	102.0
Pianos and organs	98.9	100.0	90.4	77.1	66.6	47.4	97.8	100.0	87.4	74.3	63.8	41.1
Rubber boots and shoes	97.1	100.0	108.3	101.1	97.6	80.2	97.7	100.0	107.7	101.0	99.3	74.2
Automobile tires	102.2	100.0	97.3	103.3	104.1	77.6	100.4	100.0	98.2	105.7	101.8	73.4
Shipbuilding	92.6	100.0	104.8	82.8	105.3	114.9	90.3	100.0	105.8	83.0	108.1	116.4

Source: Bureau of Labor Statistics, Department of Labor.

No. 363.—INDEXES OF FACTORY EMPLOYMENT IN SPECIFIED STATES

[Index numbers for New York relative to 1923 monthly average as 100; for New Jersey and Pennsylvania, monthly average of the years 1923–1925; for Massachusetts, Illinois, and Wisconsin, monthly average of the years 1925–1927]

Year and month	Employees on pay roll						Amount of pay roll				
	Massachusetts [1]	New York [2]	New Jersey [3]	Pennsylvania [3]	Illinois [4]	Wisconsin [5]	New York [2]	New Jersey [3]	Pennsylvania [3]	Illinois [4]	Wisconsin [5]
Monthly average:											
1922	-------	90.3	-------	-------	[6]101.9	88.9	83.1	-------	-------	[7] 96.7	75.5
1923	-------	100.0	104.4	100.9	112.5	102.1	100.0	102.2	106.8	107.4	95.8
1924	-------	91.2	96.6	95.5	103.1	97.3	92.7	96.0	94.7	95.3	93.0
1925	100.1	90.5	99.1	97.6	99.8	101.4	93.9	101.8	98.6	97.9	101.4
1926	102.0	90.7	101.7	100.7	103.1	101.7	96.6	108.1	104.4	104.2	102.2
1927	97.9	87.0	95.0	96.4	97.1	96.8	93.6	100.7	97.9	98.0	96.4
1928	91.6	83.5	88.5	92.7	95.3	96.2	90.3	93.4	93.6	95.2	98.1
1929	92.2	87.5	96.3	98.8	102.6	100.1	96.3	104.4	104.5	102.7	100.8
1930	78.7	76.9	86.4	90.4	88.4	87.8	81.1	92.3	87.6	79.1	80.1
1925											
March	102.4	92.3	96.5	99.5	100.8	99.7	96.4	98.8	102.1	97.6	99.2
June	96.5	88.7	95.3	96.8	98.4	101.5	91.0	98.2	96.5	97.2	101.3
September	99.7	90.3	102.3	96.3	99.6	102.8	93.9	102.0	94.0	98.6	101.9
December	102.3	93.2	107.9	99.5	101.6	102.5	99.4	115.5	104.4	103.2	103.5
1926											
March	105.6	93.3	103.1	101.2	103.7	103.5	99.5	108.5	107.7	105.3	107.5
June	99.0	89.7	96.1	99.0	103.0	100.5	95.5	102.8	103.3	105.4	102.7
September	102.2	90.4	105.2	101.7	104.9	102.8	97.3	111.4	103.3	102.8	101.8
December	101.1	89.4	103.6	101.3	101.6	96.5	96.7	114.1	107.8	102.9	92.9
1927											
March	99.5	89.3	100.8	99.9	100.0	98.9	97.6	109.1	105.4	101.1	99.8
June	96.2	86.6	93.8	96.7	98.5	96.1	92.7	100.2	98.9	102.5	97.9
September	99.3	87.5	93.0	94.8	96.0	98.1	95.0	97.0	92.6	94.2	97.4
December	95.0	84.4	89.7	92.9	92.6	92.6	91.7	95.8	93.7	92.9	91.4
1928											
March	94.6	83.9	86.7	93.4	94.2	94.6	91.3	91.6	95.3	94.5	102.2
June	87.8	82.2	86.4	91.5	95.8	94.9	89.0	91.1	92.5	97.9	100.3
September	92.0	84.3	90.4	93.7	97.7	99.1	92.0	94.9	93.4	97.1	102.0
December	93.4	85.3	94.1	93.7	99.2	96.9	94.3	101.9	96.8	98.2	99.2
1929											
January	92.5	84.8	92.9	93.9	98.2	96.2	92.5	100.0	96.4	94.7	92.0
February	94.0	87.1	94.3	96.4	100.3	99.2	96.0	102.9	102.0	100.7	105.4
March	94.5	88.7	95.1	96.9	102.2	100.6	98.8	104.1	105.4	101.6	106.1
April	93.4	88.3	95.7	97.7	103.0	101.4	97.4	104.7	106.3	105.2	106.8
May	93.2	87.5	96.9	98.7	103.7	101.2	96.5	106.1	107.9	105.7	105.5
June	91.3	87.6	97.2	99.6	104.1	100.6	96.5	105.5	106.6	107.5	102.5
July	91.0	87.3	97.7	100.4	103.4	102.4	95.5	102.7	102.9	102.7	96.0
August	91.9	87.7	99.0	101.4	105.1	103.9	96.8	106.7	108.1	106.0	105.5
September	94.3	89.3	99.9	102.0	105.8	101.3	99.9	107.6	105.3	105.0	98.5
October	94.0	89.7	99.2	101.4	103.8	101.7	99.1	109.2	108.9	105.8	103.7
November	89.9	87.6	96.1	99.9	102.7	98.6	95.0	104.3	104.1	101.3	98.9
December	86.5	84.2	91.1	97.3	99.3	93.7	91.9	98.9	99.7	96.3	88.2
1930											
January	85.9	82.3	89.8	96.2	97.8	93.4	89.7	97.8	98.3	91.2	85.7
February	86.1	81.9	90.0	96.4	98.0	94.0	88.3	98.5	99.2	94.0	90.8
March	85.0	81.8	88.6	96.2	96.9	94.5	89.4	97.4	100.0	90.1	94.0
April	83.4	80.3	86.8	95.8	95.0	93.6	86.4	95.2	98.6	89.1	91.9
May	81.3	79.0	85.6	94.2	93.4	92.7	84.0	93.3	94.9	86.5	89.0
June	78.5	77.5	84.1	91.9	91.2	89.0	82.0	90.1	89.1	82.2	83.0
July	74.3	74.6	83.5	87.6	85.7	90.5	77.7	88.1	81.2	74.5	77.7
August	75.7	73.9	84.2	86.6	84.0	85.2	77.2	89.3	82.0	73.2	73.9
September	76.2	75.6	88.0	87.5	82.9	83.1	80.0	93.0	81.4	71.4	72.3
October	75.4	74.3	88.2	86.4	80.2	81.3	76.2	93.4	80.7	69.0	73.0
November	73.2	72.0	85.8	84.7	77.7	78.5	72.2	87.7	74.8	64.0	66.2
December	69.9	69.3	82.2	81.7	77.5	77.5	69.7	83.4	71.3	63.4	63.9

[1] Compiled by the Massachusetts Department of Labor and Industries, Division of Statistics, from about 1,000 firms each month. Data are connected by the chain relative method.

[2] Compiled by the New York State Department of Labor from reports of 1,648 firms employing more than one-third of the factory workers of the State.

[3] Compiled by the Federal Reserve Bank of Philadelphia from reports of about 800 plants in New Jersey and about 850 in Pennsylvania. Since August, 1926, figures for New Jersey are from the New Jersey Department of Labor.

[4] Compiled by the Illinois Department of Labor from reports of manufacturing establishments, based on the pay roll nearest the 15th of the month.

[5] Compiled by the Industrial Commission of Wisconsin, from reports of about 850 manufacturing establishments.

[6] Index number represents 11 months' average; no data reported for June.

[7] Index number represents 6 months' average, July to December, inclusive.

Source: See footnotes.

No. 364.—WEEKLY EARNINGS OF FACTORY LABOR IN SPECIFIED STATES

[Index numbers for New York relative to 1923 monthly average as 100; for New Jersey, Pennsylvania, and Delaware, monthly average of the years 1923–1925; for Illinois and Wisconsin, monthly average of the years 1926–1927. Data for Delaware compiled by the Federal Reserve Bank of Philadelphia from reports of about 60 plants; for original sources of other data, number of firms reporting, etc., in each State, see notes 2 to 5, Table 363]

Year and month	Average amount per week			Index numbers					
	New York	Illinois	Wisconsin	New York	New Jersey	Pennsylvania	Delaware	Illinois	Wisconsin
Monthly average:									
1921	$25.72		$22.80	94.4					
1922	25.04	[1] $24.70	21.66	91.9				[1] 80.1	84.7
1923	27.24	27.07	23.97	100.0	99.8	101.8	99.8	95.4	93.8
1924	27.68	27.55	24.40	101.6	99.5	98.6	100.8	97.1	95.4
1925	28.26	27.93	25.56	103.7	100.7	99.6	99.4	98.4	100.0
1926	29.02	28.67	25.67	106.5	105.9	102.5	101.8	101.0	100.4
1927	29.30	28.5	25.45	107.6	109.0	102.6	103.1	100.5	99.6
1928	29.44	28.66	26.04	108.1	109.8	103.1	102.6	100.2	101.9
1929	29.99	28.69	25.92	110.1	113.0	106.9	106.7	101.0	100.6
1930	28.70	27.16	23.33	105.4	111.3	98.1	103.2	95.7	90.3
1928									
March	29.64	28.48	27.62	108.8	109.9	104.7	104.2	100.4	108.1
June	29.48	29.28	27.03	108.2	109.8	103.3	103.8	103.2	105.8
September	29.72	28.31	26.30	109.1	109.3	102.2	101.1	99.8	102.9
December	30.12	29.55	25.40	110.6	112.9	105.7	108.4	101.5	99.4
1929									
March	30.35	28.92	26.95	111.4	114.0	109.8	108.5	101.9	105.4
June	30.02	29.46	26.03	110.2	113.0	108.6	109.0	103.8	101.8
September	30.47	28.26	25.17	111.9	112.1	104.6	103.2	99.6	97.4
December	29.75	28.12	24.18	109.2	113.1	103.3	107.1	99.1	93.7
1930									
March	29.80	28.25	25.75	109.4	114.5	105.6	106.0	99.6	99.2
June	28.86	27.49	23.96	105.9	111.7	98.8	104.4	96.9	92.8
September	28.84	26.43	22.16	105.9	110.4	94.7	100.7	93.1	85.6
December	27.42	25.09	20.84	100.7	106.0	87.8	100.6	88.4	81.1

[1] Average of the last 6 months of the year.

Sources: See headnote.

No. 365.—AVERAGE WEEKLY AND HOURLY EARNINGS: ALL WAGE EARNERS AND CLASSIFIED GROUPS OF LABOR, 24 MANUFACTURING INDUSTRIES

[Indexes based on 1923 as 100]

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
WEEKLY EARNINGS								
1921	$23.82	89.5	$20.31	91.2	$27.40	88.9	$15.04	90.7
1922 [1]	24.29	91.3	20.30	91.2	28.16	91.4	15.84	91.9
1923	26.61	100.0	22.28	100.0	30.81	100.0	17.24	100.0
1924	26.45	99.4	22.42	100.7	30.55	99.2	16.76	97.2
1925	27.08	101.8	22.94	103.0	31.29	101.6	17.17	99.6
1926	27.42	103.1	23.22	104.2	31.58	102.5	17.29	100.3
1927	27.53	103.5	23.55	105.7	31.52	102.3	17.37	100.8
1928	27.88	104.8	23.90	107.3	31.95	103.7	17.15	99.5
1929	28.52	107.2	24.42	109.6	32.59	105.8	17.63	102.3
1930	25.84	97.1	21.91	98.4	29.15	94.6	15.98	92.7
HOURLY EARNINGS								
1921	.525	97.0	.438	98.8	.599	96.8	.362	94.4
1922 [1]	.495	91.5	.402	90.8	.567	91.6	.353	92.1
1923	.541	100.0	.443	100.0	.619	100.0	.383	100.0
1924	.562	104.0	.469	103.6	.644	104.0	.393	102.7
1925	.561	103.7	.455	102.8	.644	104.0	.389	101.6
1926	.568	105.0	.461	104.1	.651	105.1	.396	103.4
1927	.576	106.5	.472	106.5	.656	105.9	.398	103.9
1928	.579	107.0	.474	107.0	.659	106.5	.396	103.3
1929	.589	108.9	.486	109.7	.668	107.8	.399	104.1
1930	.589	108.9	.478	107.9	.662	107.0	.395	103.2

[1] Average of last 6 months.

Source: National Industrial Conference Board (Inc.).

No. 366.—EMPLOYMENT AND PAY-ROLL INDEXES IN NONMANUFACTURING INDUSTRIES AND BUSINESS

[Monthly average, 1929=100]

Year and Industry	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average for year
Employment													
1929													
Anthracite mining	105.7	106.0	98.0	100.7	103.7	92.9	83.2	91.1	101.9	106.1	104.0	107.1	100.0
Bituminous coal-mining	106.4	107.7	106.8	100.2	96.6	94.7	94.1	95.7	97.2	98.8	101.0	101.4	100.0
Metalliferous mining	93.1	94.6	97.0	100.6	100.8	103.8	101.5	103.2	101.2	101.9	103.0	98.5	100.0
Quarrying and nonmetallic mining	91.6	91.9	96.0	99.6	104.1	106.6	104.7	106.7	106.6	103.6	98.6	90.1	100.0
Crude-petroleum producing	90.0	90.4	89.6	97.6	93.9	104.1	106.0	113.2	108.9	107.9	101.1	97.0	100.0
Telephone and telegraph	94.3	95.3	96.5	97.8	100.4	101.5	102.6	103.7	102.5	101.9	101.9	101.8	100.0
Power, light, and water	92.9	92.6	92.8	95.9	98.4	100.7	103.2	105.4	105.5	105.7	104.7	102.5	100.0
Electric railroads [1]	99.7	99.1	97.0	98.5	100.4	101.2	102.2	102.2	101.4	100.5	99.4	98.3	100.0
Wholesale trade	97.7	98.9	97.3	97.9	99.0	99.2	100.4	101.3	101.9	102.9	102.9	102.6	100.0
Retail trade	99.2	94.6	96.2	95.5	97.3	97.4	93.6	93.6	97.6	101.7	106.7	126.2	100.0
Hotels	97.1	99.8	100.9	99.7	98.1	99.3	101.1	102.6	102.8	100.6	100.0	97.7	100.0
Canning and preserving	50.8	48.9	49.4	90.6	62.0	76.6	126.8	184.8	210.1	143.3	95.1	61.3	100.0
1930													
Anthracite mining	102.1	106.9	82.6	84.1	93.8	90.8	91.6	80.2	93.8	99.0	97.2	99.1	93.4
Bituminous-coal mining	102.5	102.4	98.6	94.4	90.4	88.4	88.0	89.2	90.5	91.8	92.5	92.5	93.4
Metalliferous mining	95.7	92.3	90.9	89.3	87.5	84.6	80.5	79.0	78.1	77.2	72.8	70.1	83.2
Quarrying and nonmetallic mining	79.6	79.8	83.0	87.4	90.8	90.3	89.9	89.3	87.7	84.7	78.3	70.2	84.3
Crude-petroleum producing	92.7	90.8	89.3	86.8	89.8	90.2	89.9	87.7	85.0	85.2	83.6	77.4	87.4
Telephone and telegraph	101.6	100.2	99.4	98.9	99.7	99.8	100.0	98.8	96.8	94.5	93.0	91.6	97.9
Power, light, and water	99.6	98.8	99.7	100.7	103.4	104.6	105.9	106.4	105.2	104.8	103.4	103.2	103.0
Electric railroads [1]	97.1	95.1	94.4	95.2	95.2	94.8	95.3	92.9	91.8	91.0	89.3	88.8	93.4
Wholesale trade	100.0	98.5	97.7	97.3	96.8	96.5	96.0	95.0	94.8	94.2	92.6	92.0	96.0
Retail trade	98.9	94.4	93.9	97.3	96.7	93.9	89.0	85.6	92.0	95.5	98.4	115.1	95.9
Hotels	100.4	102.4	102.4	100.1	98.0	98.0	101.3	101.5	100.1	97.5	95.2	93.5	99.2
Canning and preserving	46.1	45.7	49.7	74.8	65.7	83.0	126.3	185.7	246.6	164.7	96.7	61.6	103.9
Pay rolls													
1929													
Anthracite mining	100.7	122.1	90.8	88.3	99.0	80.7	64.7	78.4	103.8	133.9	100.5	137.2	100.0
Bituminous-coal mining	106.1	116.6	108.6	89.2	91.9	90.0	85.6	92.8	98.6	106.8	106.0	108.2	100.0
Metalliferous mining	88.0	91.8	99.1	104.6	104.6	105.6	99.0	100.1	102.0	103.1	102.2	99.7	100.0
Quarrying and nonmetallic mining	85.9	88.9	95.0	100.5	107.1	110.5	104.7	110.3	109.8	105.8	96.0	85.4	100.0
Crude-petroleum producing	93.1	99.0	97.4	96.7	92.4	99.4	100.7	104.7	110.7	100.1	103.8	102.1	100.0
Telephone and telegraph	94.5	98.0	98.7	98.3	99.4	100.0	104.1	101.8	100.4	105.1	101.2	103.9	100.0
Power, light, and water	91.7	91.8	94.5	95.5	98.1	100.4	102.3	103.8	106.6	106.0	104.1	105.8	100.0
Electric railroads [1]	98.7	97.6	98.0	99.5	101.0	101.7	101.9	102.0	101.5	100.0	98.4	99.8	100.0
Wholesale trade	96.7	96.4	98.5	97.8	99.0	98.6	100.5	100.0	103.3	102.7	101.9	104.7	100.0
Retail trade	99.0	94.5	96.1	96.0	97.1	98.6	95.9	95.2	99.2	102.6	105.2	120.6	100.0
Hotels	98.5	102.0	103.4	100.6	98.9	98.7	99.8	99.4	102.2	100.2	99.8	98.9	100.0
Canning and preserving	57.3	59.2	54.9	98.9	71.2	71.9	109.2	180.1	207.9	134.5	91.6	63.4	100.0
1930													
Anthracite mining	105.8	121.5	78.5	75.0	98.8	94.3	84.0	78.8	91.6	117.2	98.0	100.0	95.3
Bituminous-coal mining	101.4	102.1	86.4	81.7	77.5	75.6	68.9	71.1	74.9	79.4	79.1	77.7	81.3
Metalliferous mining	92.7	92.5	90.8	88.3	85.6	81.6	71.9	71.0	69.9	68.6	63.4	59.9	78.0
Quarrying and nonmetallic mining	71.9	73.5	80.0	85.4	90.2	90.9	75.5	85.8	82.5	79.3	66.8	59.9	79.3
Crude-petroleum producing	94.0	88.6	91.3	86.6	85.4	87.1	88.5	80.0	84.0	82.6	80.0	77.2	85.9
Telephone and telegraph	105.1	101.9	105.8	103.4	103.2	103.4	106.6	102.5	102.2	100.9	97.9	101.3	102.9
Power, light, and water	99.7	100.4	102.1	102.6	104.5	107.8	106.7	106.6	106.1	105.6	103.7	106.3	104.3
Electric railroads [1]	97.8	95.7	95.4	97.1	96.0	97.0	95.6	92.1	90.5	88.9	87.7	88.6	93.5
Wholesale trade	100.0	98.3	99.7	97.9	97.4	98.6	96.0	93.6	93.0	92.9	91.0	91.3	95.9
Retail trade	90.7	96.0	95.5	97.5	97.3	96.8	91.7	87.6	92.4	95.1	96.8	107.7	96.2
Hotels	100.3	103.8	104.4	100.3	98.4	98.1	99.8	98.6	97.1	95.5	93.6	91.5	98.5
Canning and preserving	50.3	51.5	50.8	72.6	66.9	81.5	112.7	172.0	214.8	140.0	82.9	57.4	96.1

[1] Figures represent operation and maintenance of electric railroads, and do not include electric railroad car building and repairing.

Source: Bureau of Labor Statistics, Department of Labor.

No. 367.—INDEX NUMBERS OF UNION WAGE RATES AND HOURS OF LABOR

NOTE.—Index numbers subsequent to 1924 cover only the occupations listed in Table 369; for previous years they included also the metal and millwork trades. See also headnote, Table 368

[Rates and hours for 1913=100.]

Year	Rates of wages per hour	Full-time hours per week	Rates of wages per week, full time	Year	Rates of wages per hour	Full-time hours per week	Rates of wages per week, full time
1907	89.7	102.6	91.5	1919	154.5	94.7	147.8
1908	91.0	102.1	92.5	1920	199.0	93.8	188.5
1909	91.9	101.9	93.3	1921	205.3	93.9	193.3
1910	94.4	101.1	95.2	1922	193.1	94.4	183.0
1911	96.0	100.7	96.5	1923	210.6	94.3	198.6
1912	97.6	100.3	97.7	1924	228.1	93.9	214.3
1913	100.0	100.0	100.0	1925	237.9	93.0	222.3
1914	101.9	99.6	101.6	1926	250.3	92.8	233.4
1915	102.8	99.4	102.3	1927	259.5	92.4	240.8
1916	107.2	98.8	106.2	1928	260.6	91.9	240.6
1917	114.2	98.4	112.4	1929	262.1	91.6	240.7
1918	132.7	97.0	129.6	1930	272.1	89.8	243.8

Source: Bureau of Labor Statistics, Department of Labor.

No. 368.—INDEX NUMBERS OF UNION HOURS OF LABOR PER WEEK AND RATES OF WAGES PER HOUR, BY OCCUPATIONS

NOTE.—Data cover the principal cities of the United States. The relative hours are percentages showing the change in the regular full-time working hours per week, account not being taken of loss of time from slack work or other causes nor of overtime work. The relative wages are percentages which indicate the change in wages per hour. The figures are based on the scale prevailing May 15 each year. For absolute hourly wage rates for the same and other occupations, see Table 369

[Rates and hours for 1913=100]

Year	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
	Bakers		Building trades									
			Bricklayers		Building laborers		Carpenters		Cement finishers		Cement finishers' helpers	
1910	109.1	85.8	100.6	96.7	100.0	94.5	100.7	95.1	102.1	94.2	100.1	93.2
1918	96.0	142.2	98.9	115.4	97.7	137.4	98.5	126.1	96.2	120.2	99.5	123.6
1920	89.9	264.0	98.7	174.7	94.8	225.9	98.5	194.8	95.0	182.9	99.2	225.9
1921	90.3	278.7	98.7	172.7	94.7	227.7	98.4	197.8	95.0	188.4	99.2	226.2
1923	90.2	276.0	98.6	191.1	94.7	218.1	98.8	204.0	95.0	191.2	99.2	223.4
1924	90.1	283.5	98.6	202.2	94.4	242.4	98.8	218.3	95.0	211.4	99.2	248.3
1925	89.7	293.4	98.5	213.4	94.5	231.6	98.8	222.8	94.7	212.6	99.2	260.8
1926	90.5	277.2	98.5	226.4	94.7	254.9	98.8	238.4	94.7	226.9	99.2	288.0
1927	90.2	286.8	98.1	231.9	94.9	256.8	98.8	246.7	94.4	236.8	99.2	294.1
1928	89.6	285.9	98.0	233.9	94.8	257.0	98.2	247.5	93.8	234.6	99.2	281.9
1929	89.4	293.4	95.5	239.7	94.7	258.2	98.2	252.0	93.9	234.6	[1]	[1]
1930	89.4	289.2	93.3	245.1	92.8	275.3	95.1	261.6	90.3	256.4	[1]	[1]

Year	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
	Building trades—Continued											
	Engineers, portable and hoisting		Hod carriers		Inside wiremen		Lathers		Marble setters		Painters	
1910			101.2	97.2	100.8	95.9			100.5	92.5	101.3	92.6
1918	96.8	123.8	98.6	136.6	97.3	127.0	99.0	119.1	99.5	107.9	97.7	129.4
1920	95.8	175.6	98.1	232.4	96.2	192.0	98.1	188.9	99.1	158.4	94.7	206.0
1921	96.3	178.2	98.0	237.8	96.2	201.9	98.1	192.1	99.2	160.6	94.7	212.8
1923	95.6	185.5	98.1	215.4	96.2	197.1	98.4	199.3	99.2	178.0	95.1	218.7
1924	95.6	197.2	98.0	224.9	96.2	220.5	98.2	215.1	99.2	186.1	95.0	239.5
1925	95.9	205.7	97.9	251.5	96.2	232.4	97.9	234.5	99.2	190.0	95.3	243.1
1926	96.1	217.2	98.0	273.8	96.1	244.6	97.6	240.6	99.2	212.3	94.9	257.5
1927	97.7	224.2	98.0	280.4	96.2	254.9	97.2	250.3	99.1	217.0	94.5	266.2
1928	96.6	233.5	98.0	280.7	95.7	257.2	96.7	251.0	99.1	218.0	92.0	270.8
1929	96.9	232.5	92.7	293.0	93.4	268.2	96.2	249.0	99.1	233.4	91.8	270.2
1930	93.5	259.0	92.9	302.3	91.2	271.1	90.9	259.4	93.8	234.5	90.5	289.5

[1] Data not available.

No. 368.—Index Numbers of Union Hours of Labor per Week and Rates of Wages per Hour, by Occupations—Continued

Year	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
	Building trades—Continued											
	Plasterers		Plasterers' laborers		Plumbers and gas fitters		Sheet-metal workers		Steam fitters		Stonemasons	
1910	100.6	96.6	100.6	96.4	101.1	90.9	101.7	91.0	101.3	91.9	100.8	94.7
1918	98.0	113.5	99.0	129.3	98.2	117.5	98.2	130.6	97.4	120.6	99.6	120.4
1920	97.9	170.7	98.6	213.5	97.9	172.1	97.5	193.2	97.3	178.8	99.0	188.1
1921	97.5	180.5	98.3	210.1	97.8	181.1	97.1	202.3	97.0	171.3	99.2	193.0
1923	98.1	193.2	98.4	212.0	97.7	185.6	97.1	201.9	97.0	175.6	99.2	212.5
1924	98.2	216.1	98.3	227.8	97.7	202.4	97.1	221.7	97.0	201.5	98.9	225.2
1925	97.9	219.8	98.1	243.1	97.7	206.6	97.1	230.3	97.0	212.2	98.9	229.5
1926	95.1	236.1	94.9	257.2	97.7	222.7	97.1	244.8	96.9	229.7	99.1	253.1
1927	94.7	241.0	94.9	259.7	97.6	227.2	96.8	252.2	96.8	236.2	98.9	256.0
1928	93.9	241.6	95.1	264.1	97.5	232.1	91.5	247.4	96.8	239.5	98.8	259.3
1929	93.0	238.6	95.0	265.0	96.7	233.8	96.4	256.9	96.3	241.0	95.9	256.5
1930	91.2	250.3	91.9	282.3	92.0	240.0	92.7	268.5	92.0	252.2	92.9	266.4
	Building trades—Contd.											
	Structural-iron workers		Tile layers		Chauffeurs		Teamsters and drivers		Longshore-men		Granite cutters	
1910	101.7	92.7									101.8	93.7
1918	98.9	126.5	98.8	110.8	94.0	130.9	96.6	133.2	93.3	149.0	100.2	130.1
1920	98.7	179.4	98.2	162.6	87.2	200.1	90.4	215.4	76.7	233.5	100.2	189.5
1921	98.7	184.0	98.3	161.9	87.5	202.5	88.2	228.0	76.6	236.8	100.1	209.0
1923	98.8	178.4	98.4	174.0	88.6	197.7	89.3	224.9	81.8	209.2	99.8	212.7
1924	98.7	202.5	98.4	197.5	89.1	205.6	89.5	244.7	81.8	238.5	100.2	214.2
1925	98.8	204.5	98.4	202.3	87.7	223.5	88.2	254.3	77.5	239.9	100.2	216.8
1926	98.7	218.5	98.4	212.0	85.1	220.3	89.0	250.6	76.7	242.0	100.0	244.1
1927	98.7	235.5	98.3	221.9	83.3	242.1	88.3	269.1	75.7	236.7	100.2	242.6
1928	98.7	235.7	98.0	221.8	84.0	243.2	88.2	277.1	75.6	248.6	100.2	245.3
1929	98.2	236.0	97.8	224.2	82.7	244.2	87.5	279.8	75.7	250.1	100.0	249.8
1930	95.4	248.1	92.8	234.9	82.2	249.4	87.8	292.0	75.6	253.5	95.2	262.3
	Printing and publishing: Book and job											
	Bookbinders		Compositors		Electro-typers		Machine operators		Press assist-ants and feeders		Pressmen, cylinder	
1910	100.3	95.1	100.1	94.1	100.8	91.5	100.3	93.9	100.2	92.4	100.0	95.4
1918	100.0	121.6	100.0	118.6	99.6	119.1	100.1	112.5	100.0	128.8	100.0	117.2
1920	100.0	204.0	100.0	190.6	99.5	195.5	100.1	174.6	99.9	227.7	100.0	184.5
1921	94.7	220.1	94.3	219.6	96.5	223.1	93.9	200.6	94.2	245.8	94.5	205.5
1923	93.4	224.0	91.4	228.5	95.9	241.6	92.2	203.8	92.5	266.2	93.0	216.7
1924	93.1	233.9	91.7	238.5	95.7	250.6	91.8	212.9	92.7	263.8	93.1	223.1
1925	93.3	236.6	91.7	237.4	96.6	249.7	92.2	211.7	92.4	278.8	92.6	225.9
1926	93.2	240.8	91.7	242.1	96.6	252.2	92.0	215.2	92.3	281.9	92.4	230.5
1927	93.0	246.0	91.7	246.6	96.6	255.2	92.2	223.0	92.2	285.3	92.4	230.9
1928	93.6	244.8	91.7	250.1	96.6	257.1	92.0	224.6	92.2	287.0	92.3	232.7
1929	93.0	247.5	91.7	251.5	96.3	263.2	92.0	228.0	92.1	289.7	92.3	236.8
1930	93.5	250.7	91.7	259.3	95.2	269.9	92.0	238.0	92.1	294.8	92.3	240.1
	Printing and publishing: Book and job—Con.		Printing and publishing: Newspaper									
	Pressmen, platen		Compositors, daywork		Machine operators, daywork		Machine tenders, (machinists), daywork		Pressmen, web presses, daywork		Stereotypers, daywork	
1910	99.8	94.9	100.4	92.7	100.5	94.8			100.3	95.5	100.5	92.1
1918	100.0	120.4	99.6	110.0	99.3	110.1	99.7	108.1	99.9	113.1	99.8	109.4
1920	99.9	200.4	99.9	160.7	99.5	167.5	99.8	171.7	101.1	169.5	99.9	149.8
1921	94.7	231.7	99.5	174.9	99.2	175.5	99.8	178.5	100.6	184.1	98.1	173.9
1923	92.9	235.8	100.6	177.9	100.3	183.1	100.5	180.9	102.3	182.4	99.9	174.9
1924	93.1	242.9	99.7	189.0	99.1	193.4	99.9	191.5	100.5	199.4	99.8	180.4
1925	93.1	244.3	99.4	193.7	99.0	198.0	100.3	185.3	100.0	208.2	99.6	184.5
1926	92.3	255.8	99.3	196.7	98.9	201.6	100.2	185.2	100.3	212.2	99.6	188.1
1927	92.3	258.3	99.3	201.8	98.5	208.9	100.1	194.5	99.9	223.3	99.1	191.0
1928	92.5	259.9	98.9	206.6	98.2	213.8	100.0	198.4	99.9	224.9	99.5	191.0
1929	92.6	257.8	98.4	211.3	98.3	217.4	99.6	201.7	99.8	228.1	98.5	200.1
1930	92.6	259.9	98.4	212.5	98.2	216.7	99.2	205.1	99.9	229.3	98.5	201.8

Source: Bureau of Labor Statistics, Department of Labor.

No. 369.—AVERAGE UNION RATES OF WAGES PER HOUR IN TRADES SPECIFIED, FOR THE UNITED STATES, AS OF MAY 15

NOTE.—Statistics cover the principal cities of the United States. For index numbers in the principal trades, based on these rates, see Table 368

Occupation	1923	1929	1930
Grand average, all trades herein covered [1]	*Dolls.* 0.966	*Dolls.* 1.204	*Dolls.* 1.250
Bakers	.921	.979	.965
BUILDING TRADES			
Asbestos workers	1.005	1.378	1.445
Bricklayers	1.321	1.657	1.695
Sewer, tunnel, and caisson	1.534	1.917	1.913
Building laborers	.728	.802	.919
Carpenters	1.084	1.339	1.390
Millwrights	1.164	1.244	1.303
Parquetry-floor layers	1.262	1.375	1.475
Wharf and bridge	.994	1.293	1.360
Cement finishers	1.113	1.366	1.493
Cement finishers' helpers	.805	(2)	(2)
Composition roofers	.977	1.358	1.387
Composition roofers' helpers	.695	.795	.796
Elevator constructors	1.115	1.450	1.519
Elevator constructors' helpers	.806	1.043	1.003
Engineers, portable and hoisting	1.141	1.430	1.503
Glaziers	1.041	1.358	1.408
Hod carriers	.788	1.072	1.106
Inside wiremen	1.079	1.468	1.484
Fixture hangers	1.065	1.263	1.338
Lathers:			
Piecework	$7.720	$9.717	$9.424
Timework	1.188	1.484	1.546
Marble setters	1.188	1.558	1.565
Marble setters' helpers	.873	1.061	1.046
Mosaic and terrazzo workers	.978	1.417	1.468
Painters:			
Building	1.108	1.369	1.467
Fresco	1.125	1.258	1.380
Sign	1.330	1.583	1.581
Plasterers	1.306	1.612	1.691
Plasterers' laborers	.872	1.090	1.161
Plumbers and gas fitters	1.151	1.450	1.488
Plumbers' laborers	.879	1.043	1.013
Sheet-metal workers	1.065	1.355	1.416
Ship carpenters	.935	1.111	1.404
Slate and tile roofers	1.224	1.554	1.590
Steam and sprinkler fitters	1.052	1.444	1.511
Steam and sprinkler fitters' helpers	.751	.954	1.065
Stonemasons	1.297	1.627	1.626
Structural-iron workers	1.109	1.467	1.542
Finishers	1.086	1.492	1.590
Finishers' helpers	.838	(2)	(2)
Tile layers	1.140	1.469	1.539
Tile layers' helpers	.798	.984	1.079
Average building trades	1.068	1.352	1.410

Occupation	1923	1929	1930
PRINTING AND PUBLISHING: BOOK AND JOB			
Bindery women	*Dolls.* 0.507	*Dolls.* 0.529	*Dolls.* 0.544
Bookbinders	.907	1.002	1.015
Compositors	1.024	1.127	1.162
Electrotypers	1.158	1.261	1.293
Machine operators:			
Piecework	[4] .150	[4] .153	(2)
Timework	1.062	1.188	1.240
Machine tenders (machinists)	1.088	1.195	1.257
Machinist operators	1.028	1.125	1.116
Photo-engravers	1.043	1.331	1.335
Press assistants and feeders	.781	.850	.865
Pressmen:			
Cylinder	1.052	1.150	1.166
Platen	.859	.939	.947
Average, printing and publishing, book and job	.926	1.049	1.074
PRINTING AND PUBLISHING: NEWSPAPER			
Compositors:			
Daywork	1.013	1.203	1.210
Nightwork	1.151	1.326	1.315
Machine operators, daywork:			
Piecework	[4] .139	[4] .138	[4] .145
Timework	1.031	1.224	1.220
Machine operators, nightwork:			
Piecework	[4] .160	[4] .147	[4] .156
Timework	1.130	1.336	1.333
Machine tenders (machinists):			
Daywork	1.064	1.186	1.206
Nightwork	1.179	1.340	1.308
Machinist operators:			
Daywork	1.007	1.048	1.081
Nightwork	1.040	1.189	1.203
Photo-engravers:			
Daywork	1.085	1.346	1.342
Nightwork	1.289	1.596	1.636
Pressmen, web presses:			
Daywork	.871	1.089	1.095
Nightwork	.987	1.257	1.272
Stereotypers:			
Daywork	.922	1.055	1.064
Nightwork	1.082	1.201	1.228
Average, printing and publishing, newspaper	1.047	1.241	1.241
MISCELLANEOUS			
Chauffeurs	.574	.709	.724
Teamsters and drivers	.590	.734	.766
Longshoremen	.722	.863	.875
Granite cutters	1.089	1.279	1.343
Stonecutters	1.151	1.472	1.486
Laundry workers	.414	.458	.479
Linemen	.898	1.019	1.128

[1] Except piecework. [2] No data. [3] Per 1,000 laths. [4] Rate per 1,000 ems.

Source: Bureau of Labor Statistics, Department of Labor.

No. 370.—UNEMPLOYMENT RETURNS: By Classes and States, April, 1930

Note.—Each of the 7 classes shown in this table has a definite relation to the unemployment problem, though some of them are composed mainly of persons who would not, even under the most elastic definition, be considered "unemployed." Since the classes are widely different in their make-up and in their social significance, no total is given for all classes

Division and State	Class A Persons out of a job, able to work, and looking for a job				Class B Persons having jobs but on lay off without pay, excluding those sick or voluntarily idle.			
	Total number	Per cent of persons gainfully occupied	Male	Female	Total number	Per cent of persons gainfully occupied	Male	Female
United States	2,429,062	5.0	2,058,738	370,324	758,585	1.6	627,407	131,178
New England:								
Maine	13,419	4.3	11,463	1,956	7,641	2.5	5,756	1,885
New Hampshire	8,184	4.2	6,866	1,318	5,347	2.8	3,627	1,720
Vermont	5,293	3.7	4,647	646	2,909	2.1	2,190	719
Massachusetts	116,210	6.4	93,579	22,631	45,184	2.5	32,347	12,837
Rhode Island	22,437	7.6	17,502	4,935	13,690	4.6	8,724	4,966
Connecticut	38,230	5.6	32,340	5,890	12,579	1.9	9,552	3,027
Middle Atlantic:								
New York	354,390	6.4	298,731	55,659	73,625	1.3	59,145	14,480
New Jersey	116,305	6.8	98,518	17,787	23,997	1.4	18,733	5,264
Pennsylvania	207,691	5.6	180,106	27,585	117,801	3.2	105,160	12,641
East North Central:								
Ohio	159,036	6.1	140,607	19,239	54,630	2.1	47,619	7,011
Indiana	60,714	4.0	53,445	7,269	25,665	2.1	22,292	3,373
Illinois	226,099	7.1	195,493	31,506	55,852	1.8	48,922	6,930
Michigan	157,812	8.2	140,653	17,159	39,176	2.0	34,392	4,784
Wisconsin	47,982	4.2	41,889	5,093	17,094	1.5	14,803	2,291
West North Central:								
Minnesota	44,545	4.5	38,377	6,168	10,668	1.1	9,132	1,536
Iowa	22,340	2.4	19,109	3,231	9,183	1.0	8,141	1,042
Missouri	63,413	4.3	53,136	10,277	17,984	1.2	14,341	3,643
North Dakota	5,982	2.5	5,220	762	1,493	0.6	1,312	181
South Dakota	3,516	1.4	3,037	479	996	0.4	895	101
Nebraska	14,778	2.9	12,322	2,456	4,292	0.8	3,664	628
Kansas	22,157	3.2	19,341	2,816	6,005	0.9	5,272	733
South Atlantic:								
Delaware	3,187	3.2	2,636	551	726	0.7	581	145
Maryland	24,438	3.6	20,495	3,943	7,198	1.1	5,883	1,315
Dist. of Columbia	8,999	3.7	6,418	2,581	1,676	0.7	1,280	396
Virginia	26,461	3.0	21,112	5,349	8,898	1.0	6,899	1,999
West Virginia	21,375	3.7	19,374	2,001	13,969	2.4	13,067	902
North Carolina	28,621	2.5	26,847	7,774	15,501	1.4	10,672	4,829
South Carolina	11,950	1.7	8,346	3,604	7,297	1.1	4,109	3,188
Georgia	27,672	2.4	19,626	8,046	11,950	1.0	7,969	3,981
Florida	33,120	5.5	24,733	8,387	5,631	0.9	4,253	1,378
East South Central:								
Kentucky	29,452	3.2	25,038	4,414	12,818	1.4	10,901	1,917
Tennessee	20,412	2.1	15,884	4,528	9,773	1.0	7,108	2,665
Alabama	21,441	2.1	17,461	3,980	8,551	0.8	6,873	1,678
Mississippi	10,798	1.3	8,124	2,674	4,695	0.6	3,682	1,013
West South Central:								
Arkansas	12,820	1.9	10,465	2,355	5,531	0.8	4,893	638
Louisiana	30,866	3.8	25,043	5,823	8,530	1.0	6,602	1,928
Oklahoma	37,333	4.5	33,131	4,202	8,025	1.0	7,257	768
Texas	75,827	3.4	63,543	12,284	19,436	0.9	16,088	3,348
Mountain:								
Montana	10,963	5.1	9,886	1,077	4,044	1.9	3,815	229
Idaho	6,194	3.8	5,414	780	1,275	0.8	1,097	178
Wyoming	3,719	4.0	3,312	407	1,181	1.3	1,059	122
Colorado	22,696	5.6	19,595	3,101	7,502	1.9	6,761	741
New Mexico	5,554	4.0	5,117	537	919	0.6	832	87
Arizona	7,990	4.8	7,156	834	1,533	0.9	1,378	155
Utah	8,712	5.1	7,755	957	2,247	1.3	1,955	292
Nevada	2,888	6.7	2,720	168	276	0.6	250	26
Pacific:								
Washington	36,972	5.6	31,428	5,544	9,465	1.4	8,154	1,311
Oregon	25,482	6.2	21,356	4,126	5,965	1.5	4,853	1,112
California	161,687	6.5	136,252	25,435	28,172	1.1	23,127	5,045

No. 370.—Unemployment Returns: By Classes and States, April, 1930—Continued

Division and State	Class C Persons out of a job and unable to work	Class D Persons having jobs but idle on account of sickness or disability	Class E Persons out of a job and not looking for work	Class F Persons having jobs but voluntarily idle without pay	Class G Persons having jobs and drawing pay though not at work (on vacation, etc.)
United States	**172,661**	**273,588**	**87,988**	**84,595**	**82,335**
New England:					
Maine	1,323	2,352	837	875	763
New Hampshire	758	1,437	399	282	241
Vermont	466	1,139	326	291	351
Massachusetts	7,458	12,540	2,926	2,424	2,615
Rhode Island	1,173	2,489	600	480	441
Connecticut	2,343	3,875	1,083	689	957
Middle Atlantic:					
New York	22,493	24,367	9,354	6,145	6,805
New Jersey	6,328	8,276	2,685	1,821	2,353
Pennsylvania	13,056	28,347	5,391	6,720	4,816
East North Central					
Ohio	10,995	18,319	4,714	4,065	4,864
Indiana	4,895	8,898	2,089	2,214	1,802
Illinois	12,183	17,436	6,512	4,901	5,151
Michigan	6,674	11,492	4,454	3,392	3,190
Wisconsin	3,321	5,778	2,034	1,909	1,561
West North Central:					
Minnesota	3,116	4,180	1,768	1,556	1,513
Iowa	1,968	4,038	1,131	1,377	1,198
Missouri	4,714	7,782	2,334	2,708	2,821
North Dakota	411	451	338	301	355
South Dakota	440	535	296	243	248
Nebraska	1,210	1,970	785	858	1,095
Kansas	2,009	2,766	997	1,090	1,228
South Atlantic:					
Delaware	285	513	109	107	164
Maryland	2,200	3,744	970	780	1,154
District of Columbia	726	1,487	332	447	1,201
Virginia	2,768	6,214	1,222	1,913	2,135
West Virginia	2,474	5,691	1,214	1,828	1,077
North Carolina	2,579	5,828	1,484	1,900	1,504
South Carolina	1,652	4,120	743	1,360	775
Georgia	3,374	8,084	1,444	2,381	2,806
Florida	2,651	3,609	1,775	1,636	1,563
East South Central:					
Kentucky	2,740	5,374	1,463	1,864	1,718
Tennessee	2,378	5,000	1,356	1,879	1,066
Alabama	2,298	5,745	991	1,817	1,657
Mississippi	1,306	3,257	696	1,058	1,466
West South Central:					
Arkansas	1,368	2,531	771	1,123	1,036
Louisiana	2,533	4,236	1,102	1,365	1,078
Oklahoma	2,886	3,171	1,726	1,456	1,572
Texas	6,221	9,272	3,259	4,284	5,103
Mountain:					
Montana	1,182	1,050	805	505	405
Idaho	608	758	459	449	332
Wyoming	302	388	365	223	152
Colorado	1,810	2,048	1,181	929	1,031
New Mexico	660	630	384	606	277
Arizona	959	1,146	537	590	363
Utah	601	906	378	418	269
Nevada	216	204	202	144	90
Pacific:					
Washington	3,957	4,583	2,590	1,973	1,391
Oregon	2,516	2,887	1,774	1,229	874
California	12,078	12,645	7,644	5,900	5,268

Source: Bureau of the Census, Department of Commerce.

No. 371.—UNEMPLOYMENT RETURNS: BY CLASSES, FOR CITIES OF 100,000 OR MORE INHABITANTS, APRIL, 1930

NOTE.—For a description of the individual classes see Table 370. See also headnote to same table

City	Class A			Class B			Class C	Class D	Class E	Class F	Class G
	Total (male and female)	Per cent of persons gainfully occupied	Male	Total (male and female)	Per cent of persons gainfully occupied	Male					
Total, 93 cities	**1,219,548**	**7.4**	**1,013,718**	**244,329**	**1.5**	**197,439**	**71,249**	**90,990**	**31,952**	**23,948**	**26,428**
Akron, Ohio	9,079	8.5	7,942	1,231	1.2	1,025	374	782	184	157	199
Albany, N. Y	3,127	5.3	2,794	461	.8	420	180	281	39	41	74
Atlanta, Ga	6,580	5.1	4,611	1,460	1.1	1,036	691	1,411	202	344	498
Baltimore, Md	17,150	4.7	14,051	3,483	1.0	2,710	1,477	1,835	552	204	645
Birmingham, Ala	5,617	5.0	4,518	1,125	1.0	927	504	941	148	278	258
Boston, Mass	26,361	7.4	21,654	8,653	2.4	6,823	1,915	2,320	656	432	504
Bridgeport, Conn	5,269	8.2	4,414	924	1.4	663	222	302	86	33	46
Buffalo, N. Y	19,921	8.3	17,392	2,970	1.2	2,553	1,451	1,180	425	305	305
Cambridge, Mass	3,373	6.6	2,750	941	1.8	717	208	370	91	99	121
Camden, N. J	5,520	11.0	4,620	366	.7	277	163	165	145	21	30
Canton, Ohio	2,903	6.9	2,588	761	1.8	700	192	221	61	22	61
Chattanooga, Tenn	2,857	5.4	2,166	783	1.5	561	276	492	94	150	67
Chicago, Ill	147,440	9.5	124,160	20,494	1.3	16,905	6,766	7,718	3,323	1,890	2,283
Cincinnati, Ohio	12,829	6.3	10,520	3,649	1.8	2,930	1,052	1,506	364	273	364
Cleveland, Ohio	41,184	10.4	35,960	9,051	2.3	7,700	2,102	3,006	980	696	854
Columbus, Ohio	7,344	5.7	6,063	2,897	2.2	2,198	603	1,247	215	312	285
Dallas, Tex	5,812	4.7	4,485	872	.7	661	540	714	255	224	328
Dayton, Ohio	6,604	7.5	5,604	1,108	1.2	853	447	605	147	110	174
Denver, Colo	9,331	7.2	7,792	1,466	1.1	1,230	752	681	371	223	236
Des Moines, Iowa	2,609	4.2	2,185	636	1.0	532	250	373	145	102	167
Detroit, Mich	76,018	11.0	66,960	15,979	2.3	14,046	2,329	4,118	1,284	1,116	1,175
Duluth, Minn	5,154	12.0	4,682	766	1.8	689	202	188	80	61	55
Elizabeth, N. J	3,514	7.0	3,154	206	.4	183	177	166	84	10	48
El Paso, Tex	1,693	4.2	1,325	404	1.0	285	217	423	119	188	157
Erie, Pa	2,634	5.8	2,283	717	1.6	624	154	458	76	98	63
Evansville, Ind	2,414	5.6	2,108	793	1.9	645	141	259	42	49	15
Fall River, Mass	3,949	7.8	3,020	1,348	2.7	822	232	487	80	103	54
Flint, Mich	6,291	9.7	5,688	828	1.3	729	235	343	136	51	37
Fort Wayne, Ind	2,533	5.1	2,065	1,176	2.4	915	137	601	90	146	140
Fort Worth, Tex	3,729	5.2	2,879	1,017	1.4	712	416	407	125	128	143
Gary, Ind	1,962	4.6	1,680	387	.9	303	128	203	60	81	46
Grand Rapids, Mich	5,118	7.3	4,452	2,079	3.0	1,810	249	453	174	110	108
Hartford, Conn	5,484	7.2	4,529	1,189	1.6	944	346	520	164	84	201
Houston, Tex	7,350	5.3	5,850	1,320	1.0	1,048	487	782	216	258	301
Indianapolis, Ind	10,080	6.1	8,307	2,530	1.5	2,000	874	1,285	323	326	310
Jacksonville, Fla	3,744	6.3	2,645	549	.9	413	318	529	101	132	181
Jersey City, N. J	9,954	7.1	8,374	1,426	1.0	1,178	552	640	168	101	155
Kansas City, Kans	3,764	7.3	3,163	574	1.1	469	249	405	93	128	138
Kansas City, Mo	11,554	5.9	9,017	2,460	1.3	1,738	877	1,443	429	553	595
Knoxville, Tenn	2,284	5.1	1,798	1,627	3.6	1,109	250	522	136	143	85
Long Beach, Calif	5,233	9.0	4,412	602	1.0	462	258	297	237	173	124
Los Angeles, Calif	44,480	7.7	35,357	6,438	1.1	5,209	2,900	2,858	2,012	1,439	1,202
Louisville, Ky	10,119	7.3	7,989	3,195	2.3	2,404	526	1,146	171	246	163
Lowell, Mass	4,510	10.6	3,476	1,852	4.3	1,207	165	370	48	51	53
Lynn, Mass	2,978	6.4	2,365	611	1.3	443	198	304	62	41	47
Memphis, Tenn	3,673	3.1	2,881	732	.6	611	340	514	155	108	133
Miami, Fla	5,868	11.5	4,230	626	1.2	462	444	289	280	163	143
Milwaukee, Wis	16,017	6.3	14,095	4,695	1.8	3,997	963	1,775	446	439	409
Minneapolis, Minn	13,968	6.6	11,590	2,432	1.1	1,910	991	1,198	439	377	393
Nashville, Tenn	1,546	2.2	1,260	319	.5	258	180	237	52	36	21
Newark, N. J	21,549	10.8	17,810	3,277	1.6	2,655	921	1,222	385	250	324
New Bedford, Mass	4,128	7.9	2,930	1,645	3.2	1,018	232	445	98	69	26
New Haven, Conn	4,885	7.1	4,095	1,005	1.5	788	331	471	86	51	131
New Orleans, La	16,616	8.1	13,400	3,166	1.5	2,389	992	1,077	389	309	242
New York, N. Y	231,084	7.2	190,525	36,166	1.1	29,661	12,735	9,734	5,106	2,861	2,963
Bronx Borough	42,416	7.7	34,653	7,087	1.3	5,884	2,222	1,840	756	535	555
Brooklyn Borough	80,621	7.3	67,642	13,912	1.3	11,664	4,309	2,856	1,679	701	870
Manhattan Borough	79,191	8.0	63,189	10,416	1.0	8,033	4,593	3,326	2,036	1,276	916
Queens Borough	25,208	5.4	21,792	4,102	.9	3,521	1,378	1,534	533	322	558
Richmond Borough	3,648	5.7	3,249	649	1.0	559	233	178	102	27	64
Norfolk, Va	3,479	5.8	2,514	693	1.1	475	280	566	99	199	221
Oakland, Calif	8,257	6.5	6,831	1,093	.9	872	613	572	319	223	180
Oklahoma City, Okla	3,236	3.8	2,718	659	.8	537	420	555	182	117	158

No. 371.—Unemployment Returns: By Classes, for Cities of 100,000 or More Inhabitants, April, 1930—Continued

City	Class A			Class B			Class C	Class D	Class E	Class F	Class G
	Total (male and female)	Per cent of persons gainfully occupied	Male	Total (male and female)	Per cent of persons gainfully occupied	Male					
Omaha, Nebr.	5,162	5.5	4,185	933	1.0	741	359	676	209	230	282
Paterson, N. J.	3,315	5.3	2,768	2,074	3.3	1,634	239	413	97	227	77
Peoria, Ill.	1,610	3.3	1,387	480	1.0	413	172	342	284	62	57
Philadelphia, Pa.	71,166	8.0	57,166	13,485	1.5	10,133	2,800	3,726	1,384	755	1,184
Pittsburgh, Pa.	20,307	7.3	17,849	5,885	2.1	5,245	986	2,501	428	447	528
Portland, Oreg.	13,547	9.3	11,372	1,754	1.2	1,406	1,258	956	699	327	255
Providence, R. I.	9,254	8.2	7,209	3,635	3.2	2,435	488	937	268	174	143
Reading, Pa.	2,076	4.1	1,783	945	1.9	736	144	227	51	44	18
Richmond, Va.	4,677	5.6	3,732	735	.9	558	346	772	96	127	302
Rochester, N. Y.	10,715	7.4	9,311	3,424	2.4	2,452	631	839	183	62	170
St. Louis, Mo.	28,022	7.3	23,242	7,123	1.8	5,660	1,639	2,150	557	497	526
St. Paul, Minn.	7,164	6.1	5,754	1,206	1.0	950	525	687	258	148	176
Salt Lake City, Utah	3,730	6.9	3,257	483	.9	390	284	278	106	115	68
San Antonio, Tex.	5,832	6.0	4,869	965	1.0	768	503	507	240	185	130
San Diego, Calif.	4,835	7.6	3,827	896	1.4	656	404	403	300	283	335
San Francisco, Calif.	21,448	6.4	18,267	3,019	.9	2,567	1,733	1,635	711	591	491
Scranton, Pa.	3,308	5.8	2,886	1,951	3.4	1,688	272	402	99	104	24
Seattle, Wash.	12,295	7.0	10,327	2,667	1.5	2,350	1,150	1,299	793	609	448
Somerville, Mass.	3,022	6.8	2,463	484	1.1	370	132	401	43	90	91
South Bend, Ind.	3,101	7.0	2,739	3,014	6.8	2,591	165	353	64	76	62
Spokane, Wash.	4,556	8.8	3,823	395	.8	325	201	185	193	102	59
Springfield, Mass.	4,479	6.7	3,580	487	.7	366	222	370	86	59	66
Syracuse, N. Y.	6,148	6.8	5,442	1,833	2.0	1,539	340	672	163	158	158
Tacoma, Wash.	3,218	6.9	2,716	810	1.7	641	361	426	182	129	90
Tampa, Fla.	4,262	9.2	2,908	569	1.2	373	148	301	87	105	82
Toledo, Ohio	11,058	8.7	9,772	2,853	2.2	2,586	684	864	269	165	213
Trenton, N. J.	4,085	8.0	3,511	1,248	2.4	925	179	288	60	33	33
Tulsa, Okla.	4,317	6.7	3,566	674	1.0	577	307	302	100	119	89
Utica, N. Y.	3,385	7.7	2,879	932	2.1	677	205	361	81	65	70
Washington, D. C.	8,999	3.7	6,418	1,676	.7	1,280	726	1,487	332	447	1,201
Wichita, Kans.	2,105	4.4	1,747	310	.6	263	233	340	68	120	149
Wilmington, Del.	1,994	4.2	1,640	389	.8	309	176	263	68	55	78
Worcester, Mass.	6,393	7.7	5,235	2,489	3.0	1,891	358	653	150	118	100
Yonkers, N. Y.	3,675	6.3	3,177	1,588	2.7	1,053	253	276	74	78	129
Youngstown, Ohio	4,479	7.0	4,120	3,506	5.5	3,331	315	446	71	46	54

Source: Bureau of the Census, Department of Commerce.

No. 372.—UNEMPLOYMENT RETURNS FOR CLASSES A AND B: By Period of Idleness, April, 1930

Period	Class A Persons out of a job, able to work and looking for a job			Class B Persons having jobs but on lay-off without pay, excluding those sick or voluntarily idle		
	Total	Male	Female	Total	Male	Female
Total	2,429,062	2,058,738	370,324	756,585	627,407	131,178
Under 1 week	62,020	50,201	11,819	243,654	197,875	45,779
1 or 2 weeks	311,893	253,334	58,559	153,000	123,299	29,701
3 or 4 weeks	319,945	259,515	60,430	86,622	71,146	15,476
5 to 8 weeks	365,707	304,217	61,490	74,426	63,711	10,715
9 to 13 weeks	364,189	309,037	55,152	55,308	46,914	8,394
14 to 17 weeks	240,998	210,902	30,096	34,883	30,319	4,564
18 to 26 weeks	388,936	348,772	40,164	47,223	41,442	5,781
27 to 39 weeks	132,116	116,798	15,318	10,098	8,726	1,372
40 to 52 weeks	121,290	102,034	19,256	6,320	5,245	1,075
53 to 104 weeks	53,832	46,245	7,587	2,283	1,889	394
105 weeks and over	26,327	22,955	3,372	1,054	892	162
Not reported	41,809	34,728	7,081	43,714	35,949	7,765

Source: Bureau of the Census, Department of Commerce.

16.—POSTAL SERVICE

[Postal statistics, unless otherwise noted, include data for outlying territories and possessions except Philippine Islands and Canal Zone]

No. 373.—UNITED STATES POSTAL SERVICE, 1800 TO 1930

Year ended June 30—	Number of post offices	Mileage of post routes [1]	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 [4]
			Gross revenue	Gross expenditure	Surplus (+) or deficit (−) [2]		Domestic [3]	International [3]		
1800	903	20,817	281	214	+67					
1810	2,300	36,406	552	496	+56					
1820	4,500	72,492	1,112	1,161	−49					
1830	8,450	115,176	1,851	1,933	−82					
1840	13,468	155,739	4,544	4,718	−175	0.27				
1850	18,417	178,672	5,500	5,213	+287	.20			[5] 2	
1860	28,498	240,594	8,518	19,171	−10,653	.27			216	
1865	20,550	142,340	14,556	13,695	+917	.42	[6] 1,360		387	
1870	28,492	231,232	18,880	23,990	−5,098	.49	34,054	[7] 22	468	
1875	35,547	277,873	26,791	33,611	−6,820	.61	77,431	1,965	682	
1880	42,989	343,888	33,315	36,543	−3,222	.66	100,353	3,464	876	
1885	51,252	365,251	42,561	50,046	−7,481	.76	117,859	6,840	1,465	
1890	62,401	427,990	60,882	66,260	−5,401	.97	114,363	13,230	2,220	4,005
1893	68,403	453,833	75,897	81,582	−5,717	1.14	127,576	16,342	2,750	5,022
1894	69,805	454,746	75,080	84,994	−9,978	1.11	138,794	13,792	2,602	4,919
1895	70,064	456,026	76,983	87,180	−10,230	1.12	156,709	12,906	2,795	5,134
1896	70,360	463,313	82,499	90,933	−8,444	1.17	172,101	13,853	3,025	5,694
1897	71,022	470,032	82,665	94,077	−11,432	1.15	174,483	13,588	3,064	5,781
1898	73,570	480,461	89,013	98,034	−9,055	1.22	191,354	13,240	3,418	6,214
1899	75,000	496,948	95,021	101,632	−6,630	1.28	211,214	13,745	3,603	6,576
1900	76,688	500,989	102,355	107,740	−5,410	1.34	238,921	16,749	3,999	7,130
1901	76,945	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	74,169	506,268	134,224	138,784	−4,587	1.66	353,628	35,238	5,271	8,887
1904	71,131	496,818	143,583	152,362	−8,813	1.74	378,778	42,550	5,331	9,502
1905	68,131	480,805	152,827	167,309	−14,594	1.81	396,903	47,516	5,751	10,188
1906	65,600	478,711	167,933	178,450	−10,543	1.96	444,516	63,048	6,284	11,361
1907	62,658	463,406	183,585	190,238	−6,692	2.11	479,650	84,081	7,061	12,256
1908	61,158	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	−17,480	2.24	491,075	76,755	8,732	14,005
1910	59,580	447,998	224,120	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	109,605	10,046	16,001
1912	58,729	436,469	246,744	248,525	−1,786	2.58	583,337	97,660	9,929	17,580
1913	58,020	436,293	266,620	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	667,231	101,963	11,112	
1915	56,380	433,334	287,248	298,546	−11,333	2.85	656,139	60,772	11,220	
1916	55,935	425,950	312,058	306,204	+5,829	3.05	719,365	46,357	11,672	
1917	55,414	454,835	329,726	319,339	+9,836	3.18	813,319	41,645	12,452	
1918 [8]	54,347	465,371	388,976	324,834	+64,127	3.70	904,650	35,865	13,066	
1919 [8]	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	32,960	13,213	
1921	52,168	434,349	463,491	620,994	−157,518	4.28	1,305,370	24,309	13,870	
1922	51,950	454,901	484,854	545,644	−60,815	4.41	1,205,327	20,651	14,262	
1923	51,613	460,171	532,828	556,851	−24,065	4.78	1,376,461	34,119	15,478	23,055
1924	51,266	467,896	572,949	587,377	−14,464	5.08	1,510,705	50,615	15,954	24,358
1925	50,957	464,269	599,591	630,282	−30,745	5.28	1,532,567	52,650	17,387	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	50,266	478,662	683,122	714,577	−31,506	5.76	1,647,580	68,952	16,000	26,687
1928	49,044	487,778	693,634	725,700	−32,121	5.78	1,630,157	71,520	16,676	26,837
1929	49,482	500,518	696,948	782,344	−85,461	5.73	1,658,443	76,113	16,917	27,952
1930	49,063	513,617	705,484	803,667	−98,216	5.75	1,714,576	72,708	16,269	27,889

[1] Not counting rural free delivery routes.
[2] Audited postal surplus or deficit which is greater or less than excess of receipts or expenditures by the amount of adjusted losses and contingencies.
[3] International includes foreign countries on domestic basis. For explanation see headnote Table 375.
[4] 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.
[5] Postage stamps first issued under act of Mar. 3, 1847, and placed on sale at New York July 1, 1847.
[6] From Nov. 1, 1864, when money-order system first went into operation, to June 30, 1865.
[7] From Sept. 1, 1869, to June 30, 1870. International money orders first issued under convention of Oct. 12, 1867.
[8] 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. 374.—REVENUES, UNITED STATES POSTAL SERVICE: YEARS ENDED JUNE 30

[All figures in thousands of dollars]

Item	1910	1915	1920	1925	1927	1928	1929	1930
Total	224,129	287,248	437,150	599,591	683,122	693,634	696,948	705,484
Ordinary postal revenue	219,339	279,460	424,406	585,333	664,603	675,043	676,651	686,426
Stamps, postal cards, etc.[1]	202,065	256,037	379,587	507,572	568,512	576,199	575,407	574,851
Second-class postage paid in money (pound rates)[1]	8,174	10,468	25,100	29,619	32,884	32,651	27,825	28,584
Other postage paid in money under permit	4,418	7,527	12,960	39,301	53,503	55,986	63,729	73,545
Box rents	4,139	4,981	6,145	7,817	8,369	8,461	8,518	8,539
Miscellaneous	542	448	614	1,024	1,335	1,746	1,172	907
Money-order revenues	4,790	7,175	10,314	12,909	16,985	17,021	17,420	17,496
Revenue from postal savings		612	2,430	1,349	1,534	1,570	2,877	1,562

[1] For volume of this item, see Table 379.

No. 375.—POSTAL MONEY-ORDER BUSINESS: YEARS ENDED JUNE 30

NOTE.—For revenues from money orders, see Table 374. For value of orders issued for other years, see Table 373. 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	1927	1928	1929	1930
Number of money-order offices	51,791	55,070	54,305	54,269	54,616	54,803	54,357	54,161
DOMESTIC[1]								
Orders issued:								
Number (1,000)	76,018	105,073	148,491	197,054	194,217	196,287	199,273	202,273
Amount (1,000 dollars)	547,994	656,139	1,332,700	1,532,567	1,647,580	1,630,157	1,658,443	1,714,575
Orders paid:								
Number (1,000)	76,496	103,884	147,520	196,038	195,041	196,932	199,205	201,453
Amount (1,000 dollars)	545,632	652,786	1,333,046	1,531,597	1,647,113	1,629,443	1,657,276	1,713,681
Excess of issues:[2]								
Number (1,000)	422	1,190	971	1,015	−825	−644	68	820
Amount (1,000 dollars)	2,362	1,353	−346	970	468	714	1,167	895
INTERNATIONAL[3,4]								
Orders issued:								
Number (1,000)	4,500	3,055	1,852	2,966	3,734	3,843	4,017	3,978
Amount (1,000 dollars)	99,743	60,772	32,960	52,650	68,952	71,520	76,113	72,768
Orders paid:								
Number (1,000)	1,956	2,217	1,508	1,765	1,955	2,129	2,198	2,161
Amount (1,000 dollars)	27,244	24,743	25,362	19,765	23,886	26,402	27,477	25,825
Excess of issues:								
Number (1,000)	2,544	837	343	1,201	1,779	1,714	1,819	1,817
Amount (1,000 dollars)	72,499	36,029	7,598	32,886	45,066	45,119	48,635	46,883
FOREIGN "DOMESTIC BASIS"[5]								
Paid in foreign countries:								
Number (1,000)	667	655	601	938	990	1,049	1,063	1,034
Amount (1,000 dollars)	10,184	9,110	9,568	16,920	19,718	20,323	22,788	20,921
Paid in the United States:								
Number (1,000)	1,566	1,936	1,246	1,498	1,574	1,753	1,813	1,751
Amount (1,000 dollars)	17,766	18,386	17,916	15,118	17,723	19,101	19,101	17,935

[1] Domestic money orders first issued Nov. 1, 1864, under act of Congress approved May 17, 1864.
[2] Minus sign indicates excess of payments.
[3] Includes foreign countries on "domestic basis."
[4] International money orders first issued Sept. 1, 1869, under Postal Convention of Oct. 12, 1867.
[5] Included under "International" above.

Sources of Tables 374 and 375: Annual Reports of the Postmaster General.

No. 376.—EXPENDITURES, UNITED STATES POSTAL SERVICE: YEARS ENDED JUNE 30

NOTE.—**All figures in thousands of dollars.** For total expenditures see Table 373. Data cover expenditures during the specified fiscal year, whether on account of that year or of previous years

Item	1910	1915	1920	1925	1927	1928	1929	1930
Service in post offices (total)	107,771	139,937	234,102	338,046	392,141	402,210	421,226	429,571
Salaries of postmasters	27,514	30,400	40,108	47,562	50,741	50,626	53,177	52,850
Salaries of clerks, etc	38,045	53,317	102,319	153,336	182,778	187,824	197,459	201,972
City delivery service	31,805	42,668	63,626	95,161	114,795	118,856	123,936	127,890
All other expenditures	10,405	13,552	28,049	41,987	43,827	44,904	46,654	46,860
Railway Mail Service	19,389	28,408	38,711	52,906	58,051	58,681	61,368	61,888
Rural Delivery Service	37,074	49,806	75,794	93,163	104,445	105,014	105,904	106,347
Transportation of domestic mail	61,940	76,914	99,520	142,141	145,400	146,154	172,957	176,984
By railroads	49,405	59,576	79,714	99,720	99,350	98,935	117,500	117,265
By other means	12,535	17,338	28,805	42,421	46,050	47,219	55,457	59,720
Transportation foreign mail	3,204	3,273	5,912	9,175	10,534	9,624	16,663	24,449
Payment account of invalid money orders	600	208	284	138	127	146	149	131
Post Office Department [1]				3,712	3,880	3,871	4,077	4,298

[1] Paid out of the General Treasury prior to 1923.

No. 377.—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 quadrennial 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	1928	1929	1930
Steam railway service:							
Length of routes (miles)	220,730	233,676	232,358	230,470	226,965	223,810	220,416
Annual travel (thousand miles)—							
Regular space units	[1]426,923	[1]499,011	561,827	579,256	572,938	572,328	564,801
Prorated to 60-foot car basis			218,349	226,395	231,540	230,318	228,478
Annual expenditure—							
Regular authorizations	49,302	58,149	83,731	88,991	90,175	103,087	103,970
Annual cost			89,661	107,491	111,102	124,014	125,243
Average rate of cost—							
Per mile of length (dollars)	223.36	248.84	360.35	386.12	397.30	460.60	471.70
Per unit mile traveled (cents)	[1]11.55	[1]11.65	14.90	15.36	15.73	18.01	18.41
Per 60-foot car mile (cents)			38.34	39.31	38.97	45.75	45.70
Railway mail employees—							
Number of employees	16,705	19,599	20,407	20,693	20,854	21,229	21,185
Expenditure for salary	19,047	21,205	35,644	48,913	53,559	56,145	56,577
Electric railway service:							
Number of routes	539	569	543	288	254	240	226
Length of routes (miles)	7,198	8,183	8,043	8,042	7,875	7,566	7,008
Annual travel of space units (thousand miles)	[1]11,630	[1]13,948	[1]11,752	10,487	10,211	10,257	9,829
Annual rate of expenditure	674	819	471	566	642	644	571
Average cost per unit mile traveled (cents)	[1]5.79	[1]5.87	[1]4.01	5.39	6.28	6.28	5.81
Power boat service:							
Number of routes	217	260	266	284	280	263	265
Length of routes (miles)	27,256	32,402	34,642	49,791	41,206	39,044	40,130
Annual travel (thousand miles)	4,826	5,685	3,992	5,298	5,212	4,782	4,806
Annual rate of expenditure	705	990	[2]773	1,492	1,361	1,362	1,401
Average cost per mile traveled (cents)	14.61	17.42	19.36	28.16	26.10	28.48	29.15
Air mail service: [3]							
Length of routes (miles)		[4]218	3,094	2,665	10,932	14,406	14,907
Mileage scheduled (thousands)		[4]18	654	2,160	6,000	11,033	16,228
Miles traveled with mail (thousands)		[4]16	549	2,077	5,585	10,213	14,939
Mail carried [5] (thousand pounds)		[4]18	527	233	1,862	5,636	7,720
Cost of service		[4]14	1,264	2,744	4,043	11,169	14,618

[1] Annual travel in thousands of miles and average cost per mile traveled. Space basis was not in force.
[2] Exclusive of freight and express service to Alaska or New York Harbor service.
[3] All air mail service was Government-operated prior to 1926. In 1926 contract service was inaugurated. Government service was discontinued in 1927. All data represent total service.
[4] 1918 data.
[5] Beginning 1925, only specially paid air mail was carried.

Sources of Tables 376 and 377: Annual Reports of the Postmaster General.

No. 378.—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. Data in all cases relate to contracts or organizations at June 30 and do not represent actual mileage traveled or expenditure during previous fiscal year. Star route service in Alaska is not included in the accompanying table, data for 1930 being as follows: Number of routes, 67; length, 11,434 miles; annual travel, 219,184 miles; annual rate of expenditure, $143,283

As of June 30—	City free delivery			Rural free delivery				Star routes	
	Number of offices	Number of carriers	Annual cost (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	1,230					7,295	5,050
1880	104	2,628	2,364					9,863	7,321
1885	178	4,358	3,986					12,371	5,415
1890	454	9,066	7,976					15,887	5,321
1895	604	12,714	12,136					20,733	5,764
1900	796	15,322	14,512	1,259	28,685		420	22,884	5,088
1905	1,144	21,778	20,919	32,110	721,237		20,865	17,199	7,342
1910	1,492	28,715	31,684	41,079	993,068	303,007	36,915	13,425	6,028
1913	1,675	30,923	36,601	42,805	1,038,076	315,781	45,643	12,432	6,905
1914	1,759	32,292	40,399	43,052	1,060,679	322,432	47,377	11,970	8,001
1915	1,808	32,902	42,458	43,866	1,067,674	325,305	52,566	11,557	8,713
1916	1,864	34,114	43,137	42,927	1,083,070	326,435	51,952	11,391	8,466
1917	1,948	34,592	48,048	43,404	1,112,556	336,303	52,420	11,208	8,383
1918	1,992	34,503	49,905	43,453	1,127,110	344,100	52,106	10,958	8,606
1919	2,018	35,024	59,527	43,210	1,143,467	346,006	65,448	10,773	10,055
1920	2,086	36,142	74,933	43,445	1,151,832	348,027	75,562	10,739	11,105
1921	2,161	38,532	87,830	43,672	1,163,896	352,533	83,034	10,664	12,390
1922	2,220	39,485	89,908	44,186	1,180,448	357,254	84,430	10,715	12,641
1923	2,277	40,134	93,804	44,439	1,190,534	360,256	86,172	10,802	12,610
1924	2,325	43,829	97,892	44,760	1,205,714	363,670	86,765	10,802	12,735
1925	2,401	46,251	110,357	45,189	1,227,654	370,273	102,945	10,906	12,774
1926	2,522	48,238	126,219	45,318	1,249,978	377,040	104,117	10,991	12,955
1927	2,812	50,117	132,005	44,730	1,270,746	383,851	104,447	11,215	12,995
1928	2,899	51,293	136,528	44,288	1,289,613	390,054	105,008	11,472	13,541
1929	2,970	52,719	142,762	43,840	1,316,420	398,444	106,202	11,695	13,909
1930	3,050	53,762	146,532	43,278	1,334,842	404,738	106,378	11,788	14,281

No. 379.—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 374

	1910	1915	1920	1925	1928	1929	1930
Transactions in stamped paper:							
Ordinary postage stamps issued (millions)	9,067	11,226	13,213	17,387	16,676	16,917	16,269
Stamped envelopes and wrappers issued (millions)	1,507	1,794	2,350	2,997	3,219	3,243	3,164
Postal cards issued (millions)	726	976	986	1,497	1,872	1,784	1,643
Pieces of mail carried [1] (millions)	14,850			25,885	26,837	27,952	27,888
Second-class matter carried:							
Free in county (1,000 pounds)	55,639	62,142	61,528	69,195	74,545	74,712	75,326
Paid at pound rates (1,000 pounds)	817,773	1,047,144	1,307,227	1,348,297	1,476,274	1,518,811	1,554,415
Foreign mails dispatched by sea:							
Letters (1,000 pounds)	[2] 3,142	3,401	4,608	5,640	6,574	6,859	7,103
Other articles (1,000 pounds)	[2] 17,832	22,848	66,725	66,229	76,045	80,496	83,377
Mail registered:							
Domestic, paid (1,000 pieces)	33,682	27,688	56,951	70,512	66,941	71,814	76,489
International, paid (1,000 pieces)	4,782	4,325	11,300	10,993	8,721	9,252	7,869
Official, free (1,000 pieces)	3,589	5,297	8,663	8,414	8,133	8,500	8,680
Registry fees (1,000 dollars)	3,594	3,201	6,825	8,850	11,408	12,319	12,807
Mail insured:							
Domestic, parcel post (1,000 pieces)		18,012	95,385	152,078	131,764	130,664	126,421
International (1,000 pieces)				603	659	695	640
Total fees paid (1,000 dollars)		941	5,416	8,061	9,159	9,111	8,775
Mail sent C. O. D.:							
Total pieces sent (1,000)		4,721	20,098	52,362	49,367	49,652	46,249
Total fees (1,000 dollars)		472	2,070	5,562	6,225	6,257	5,825

[1] Data are for continental United States and are estimates in 1910 and 1925. No estimates made in 1915 and 1920.

[2] Excluding mails carried by domestic contract steamers, or steamers subsidized by foreign countries.

Source of Tables 378 and 379: Annual Reports of the Postmaster General.

No. 380.—GROSS RECEIPTS, COST OF CLERK HIRE AND OF CITY DELIVERY SERVICE AT THE LARGER POST OFFICES: YEARS ENDED JUNE 30

Post Office	Gross receipts (1,000 dollars)				Cost of clerk hire, 1930		Cost of city delivery, 1930	
	1920	1925	1929	1930	Amount (1,000 dollars)	Per cent to receipts	Amount (1,000 dollars)	Per cent to receipts
Total (55 post offices)	237,410	332,746	387,271	391,100	109,304	27.95	77,052	19.70
New York, N. Y.	49,612	65,523	78,708	78,825	25,578	32.45	10,495	13.31
Chicago, Ill.	41,000	56,359	61,674	61,226	16,824	27.48	9,208	15.04
Philadelphia, Pa.	14,695	17,777	19,176	19,599	5,234	26.71	4,234	21.60
Boston, Mass.	11,124	14,769	18,002	18,029	6,177	34.26	5,179	28.73
St. Louis, Mo.	8,235	12,099	12,624	12,622	3,352	26.55	2,313	18.33
Detroit, Mich.	5,567	8,467	11,801	11,639	3,480	29.90	3,006	25.83
Los Angeles, Calif.	3,583	8,065	10,405	11,068	2,900	26.20	2,921	26.39
Kansas City, Mo.	6,036	9,424	10,472	10,185	1,989	19.53	1,262	12.39
Cleveland, Ohio	6,028	8,055	9,901	10,039	2,417	24.08	2,318	23.09
San Francisco, Calif.	5,072	7,763	9,027	9,316	2,564	27.52	1,574	16.89
Brooklyn, N. Y.	5,466	7,412	9,023	8,962	3,590	40.06	4,489	50.09
Pittsburgh, Pa.	4,976	6,826	7,649	7,858	1,954	24.86	1,914	24.35
Cincinnati, Ohio	4,314	6,710	7,350	7,461	1,775	23.79	1,315	17.63
Minneapolis, Minn.	4,083	6,133	7,092	6,963	1,606	23.06	1,257	18.05
Baltimore, Md.	4,052	5,427	6,803	6,669	2,036	30.54	1,797	26.80
Washington, D. C.	3,530	4,770	5,881	6,046	2,426	40.12	1,399	23.14
Milwaukee, Wis.	2,893	4,712	5,670	5,625	1,235	21.96	1,253	22.27
Buffalo, N. Y.	3,325	4,633	4,752	4,943	1,372	27.76	1,501	30.36
Newark, N. J.	2,110	3,520	4,594	4,760	1,094	22.98	1,129	23.73
Indianapolis, Ind.	2,593	4,280	4,670	4,735	1,257	26.55	916	19.35
Atlanta, Ga.	2,748	3,470	4,542	4,711	997	21.15	608	12.90
St. Paul, Minn.	2,384	4,258	4,230	4,426	944	21.33	751	16.96
Denver, Colo.	2,356	3,281	3,803	4,107	826	20.11	776	18.90
Dallas, Tex.	2,301	3,217	4,062	4,090	854	20.88	575	14.05
Seattle, Wash.	2,232	2,998	3,601	3,672	1,026	27.93	866	23.57
Des Moines, Iowa	1,902	2,875	3,232	3,609	564	15.63	363	10.06
Portland, Oreg.	1,788	2,776	3,042	3,121	826	26.47	795	25.47
Omaha, Nebr.	2,312	2,846	3,021	3,104	790	25.46	636	20.49
Rochester, N. Y.	1,839	2,623	2,959	3,061	782	25.53	698	22.81
Columbus, Ohio	1,721	2,841	2,974	3,019	664	22.00	590	19.54
Louisville, Ky.	1,705	2,619	2,876	2,851	761	26.69	603	21.14
New Orleans, La.	1,999	2,651	2,740	2,748	884	32.15	648	23.59
Memphis, Tenn.	1,361	1,880	2,591	2,628	647	24.61	506	19.27
Dayton, Ohio	981	1,863	2,284	2,482	493	19.87	406	16.35
Hartford, Conn.	1,271	1,782	2,279	2,364	551	23.32	394	16.67
Toledo, Ohio	1,531	2,021	2,441	2,329	561	24.10	609	26.15
Providence, R. I.	1,356	1,860	2,314	2,305	618	26.81	659	28.58
Houston, Tex.	1,252	1,579	2,130	2,259	565	25.02	479	21.23
Oakland, Calif.	702	1,517	2,046	2,131	614	28.81	715	33.56
Albany, N. Y.	850	1,459	1,741	2,126	395	18.59	298	14.01
Richmond, Va.	1,376	1,966	2,104	2,124	584	27.47	461	21.71
Syracuse, N. Y.	1,145	1,493	1,794	1,877	473	25.20	451	24.01
Nashville, Tenn.	1,211	1,645	1,859	1,877	484	25.81	332	17.67
Oklahoma City, Okla.	982	1,371	1,689	1,853	431	23.28	273	14.75
New Haven, Conn.	1,012	1,495	1,789	1,850	477	25.76	398	21.02
Akron, Ohio	1,191	1,275	1,871	1,734	411	23.71	443	25.05
Birmingham, Ala.	853	1,319	1,679	1,678	478	28.47	429	25.58
Grand Rapids, Mich.	903	1,417	1,646	1,649	319	19.36	377	22.86
Jersey City, N. J.	935	1,227	1,467	1,459	403	27.62	441	30.26
Springfield, Mass.	885	1,204	1,413	1,453	380	26.18	367	25.23
Salt Lake City, Utah	904	1,257	1,384	1,370	390	28.45	360	26.30
Worcester, Mass.	833	1,067	1,214	1,207	340	28.13	379	31.40
Scranton, Pa.	723	1,070	1,147	1,148	313	27.25	350	30.46
Spokane, Wash.	799	1,033	1,154	1,110	277	25.00	277	24.99
Jacksonville, Fla.	670	962	1,028	1,000	321	32.12	260	25.97

Source; Reports of the Postmaster General.

No. 381.—POSTAL SERVICE: BY STATES AND OUTLYING AREAS

Division and State	Number of post offices, June 30, 1930	Mileage of rural free-delivery routes, June 30, 1930	Gross postal receipts [1]					
			1920	1925	1927	1928	1929	1930
			In thousands of dollars for years ended June 30					
Grand total	49,063	1,334,342	424,525	564,755	663,669	673,954	675,929	686,351
United States proper	48,695	1,334,788	423,463	563,427	632,216	672,445	674,261	684,610
New England	2,619	42,460	32,276	43,498	49,092	49,703	50,709	51,375
Maine	804	12,065	2,866	3,946	3,975	3,938	3,866	3,912
New Hampshire	376	6,238	1,504	2,035	2,202	2,323	2,271	2,296
Vermont	384	8,179	1,220	1,540	1,685	1,688	1,701	1,703
Massachusetts	639	7,901	18,913	25,064	28,536	28,669	29,414	29,627
Rhode Island	91	1,237	2,029	2,702	3,027	3,169	3,278	3,297
Connecticut	325	6,860	5,744	8,211	9,577	9,916	10,178	10,550
Middle Atlantic	5,677	113,105	117,897	161,532	185,028	190,060	190,406	194,927
New York	2,189	48,899	74,772	102,514	116,973	120,963	122,475	125,072
New Jersey	663	8,564	9,512	14,655	17,468	18,475	18,974	19,708
Pennsylvania	2,825	55,642	33,613	44,363	50,587	50,622	48,957	50,087
East North Central	8,356	299,881	107,343	151,924	173,068	174,274	174,502	175,748
Ohio	1,519	67,669	24,800	35,417	40,576	41,142	41,035	42,088
Indiana	1,023	58,519	9,226	13,774	15,554	15,755	15,625	15,613
Illinois	1,902	72,151	51,357	70,753	78,227	78,761	78,610	78,757
Michigan	1,166	52,487	13,199	18,978	22,020	23,364	24,271	24,133
Wisconsin	1,045	48,855	8,761	13,002	14,789	15,252	14,961	15,157
West North Central	7,314	326,976	53,971	78,365	80,794	80,297	79,905	80,641
Minnesota	1,195	52,904	10,847	15,836	16,844	17,063	17,306	17,614
Iowa	1,218	63,240	9,392	11,720	13,116	13,141	13,024	13,504
Missouri	1,747	60,247	18,624	27,230	30,785	29,896	29,141	28,988
North Dakota	676	28,958	2,062	2,360	2,582	2,668	2,756	2,721
South Dakota	626	24,519	2,066	2,539	2,775	2,783	2,816	2,750
Nebraska	827	36,825	5,504	6,663	7,101	7,180	7,188	7,279
Kansas	1,025	59,283	5,476	7,017	7,591	7,566	7,674	7,785
South Atlantic	8,719	186,410	34,415	46,072	53,726	53,227	52,224	53,293
Delaware	86	3,014	811	999	1,145	1,268	1,211	1,233
Maryland	608	11,269	5,292	7,101	8,802	8,695	8,658	8,519
District of Columbia	1	189	3,336	4,771	5,731	5,861	5,883	6,047
Virginia	2,161	29,025	5,621	7,236	7,941	8,070	7,901	7,985
West Virginia	1,846	11,146	3,154	4,395	4,850	4,781	4,645	4,611
North Carolina	1,434	39,948	4,138	5,814	6,454	6,593	6,504	6,830
South Carolina	652	25,389	2,289	2,530	2,626	2,652	2,595	2,174
Georgia	1,058	52,410	6,305	7,734	9,010	9,079	9,047	9,220
Florida	813	13,020	3,179	5,492	7,187	6,228	5,780	5,674
East South Central	5,548	137,740	16,546	20,576	22,916	23,927	23,500	23,736
Kentucky	2,665	25,180	4,392	6,283	7,013	7,088	6,827	6,827
Tennessee	908	43,571	5,289	7,107	7,835	8,441	8,388	8,546
Alabama	1,053	36,165	3,418	4,385	4,944	5,182	5,084	5,108
Mississippi	862	32,824	2,447	2,801	3,119	3,216	3,201	3,255
West South Central	5,461	151,317	24,678	30,646	35,150	35,787	36,490	37,240
Arkansas	1,315	23,942	2,928	3,585	3,888	3,837	3,841	3,828
Louisiana	900	12,908	4,015	5,055	5,412	5,445	5,407	5,486
Oklahoma	1,046	42,370	4,730	5,889	6,733	6,820	7,018	7,272
Texas	2,200	72,097	13,005	16,117	19,117	19,685	20,224	20,654
Mountain	3,772	35,447	12,178	15,004	16,259	16,551	16,906	17,276
Montana	824	6,746	2,016	2,180	2,303	2,397	2,507	2,446
Idaho	432	6,570	1,397	1,324	1,451	1,484	1,494	1,513
Wyoming	333	1,186	712	953	983	979	1,006	993
Colorado	728	14,960	4,398	5,878	6,425	6,497	6,516	6,819
New Mexico	542	2,668	679	900	991	1,012	1,056	1,059
Arizona	300	1,402	943	1,137	1,286	1,336	1,444	1,532
Utah	342	1,761	1,047	2,179	2,312	2,359	2,367	2,347
Nevada	171	154	386	453	508	487	516	537
Pacific	3,230	43,652	25,158	40,812	47,182	48,617	49,616	51,378
Washington	875	14,203	5,636	7,494	8,368	8,492	8,674	8,710
Oregon	703	9,510	3,324	4,809	5,337	5,361	5,308	5,436
California	1,587	19,939	16,198	28,509	33,477	34,764	35,634	37,223
Outlying offices	368	54	[2] 1,062	1,328	1,453	1,503	1,668	1,740
Alaska	174	----------	82	71	81	90	88	104
Guam	1	----------	1	2	2	2	3	3
Hawaii	93	54	352	611	645	710	745	774
Porto Rico	94	----------	406	522	537	539	536	527
Samoa (Tutuila)	1	----------	2	2	[3]	[3]	[3]	[3]
Virgin Islands	5	----------	17	11	12	13	12	15
Philatelic agency	----------	----------	----------	109	176	154	284	317

[1] Revenues from money-order business, postal savings, and certain miscellaneous items not included.
[2] Includes receipts from agencies in China, France, and Siberia.
[3] Less than $500.

Source: Annual Reports of the Postmaster General.

No. 382.—MONEY ORDERS: BY STATES AND OUTLYING AREAS

NOTE.—Amounts in thousands of dollars for years ended June 30. "Domestic basis" money orders include those to or from "domestic basis" foreign countries. For explanation see headnote, Table 375

Division and State	Domestic basis money orders				International money orders			
	Issued		Paid		Issued		Paid	
	1929	1930	1929	1930	1929	1930	1929	1930
Grand total	1,681,231	1,735,496	1,677,187	1,731,616	53,314	51,788	7,567	7,890
United States proper	1,666,071	1,720,922	1,670,536	1,724,851	52,805	51,320	7,543	7,839
New England	138,917	148,356	125,103	135,885	5,209	5,055	665	666
Maine	15,591	16,074	9,665	10,578	132	139	35	36
New Hampshire	9,796	10,462	5,132	5,596	102	102	63	12
Vermont	7,998	8,319	3,929	4,224	56	57	10	10
Massachusetts	70,073	75,094	81,419	88,508	3,094	2,971	300	347
Rhode Island	9,343	9,865	7,347	7,769	337	328	35	46
Connecticut	26,116	27,642	17,611	19,150	1,488	1,488	222	215
Middle Atlantic	401,042	430,809	431,837	452,778	25,547	25,701	3,416	3,405
New York	227,227	245,312	267,782	278,008	17,746	17,981	2,179	2,140
New Jersey	54,609	59,991	38,674	42,433	4,051	4,082	416	421
Pennsylvania	119,206	125,506	125,381	132,247	3,750	3,638	821	844
East North Central	355,052	356,902	463,741	463,275	10,219	9,418	1,524	1,681
Ohio	81,412	83,437	93,968	97,269	1,591	1,492	346	385
Indiana	36,030	36,725	42,149	42,475	691	765	94	89
Illinois	101,676	103,339	238,857	229,716	4,424	4,202	670	759
Michigan	85,929	81,178	58,007	61,265	2,535	2,061	245	297
Wisconsin	47,005	47,223	30,760	32,550	978	898	169	151
West North Central	167,579	171,245	188,025	180,477	1,725	1,583	419	437
Minnesota	36,676	37,519	56,463	57,027	445	418	113	114
Iowa	30,582	30,375	22,923	23,960	201	191	70	53
Missouri	35,255	37,280	73,952	71,704	444	411	124	128
North Dakota	15,623	14,828	5,414	6,089	77	67	20	21
South Dakota	13,806	13,740	5,572	5,367	61	58	18	15
Nebraska	15,751	17,065	12,536	13,737	166	163	48	78
Kansas	19,886	20,438	11,165	11,533	331	275	26	28
South Atlantic	172,707	183,552	145,645	155,882	1,070	1,111	354	342
Delaware	2,966	3,234	1,364	1,459	68	70	21	9
Maryland	17,924	19,624	28,708	25,938	249	289	32	37
District of Columbia	8,922	9,909	17,476	18,523	227	243	180	181
Virginia	22,518	23,458	16,556	17,676	103	102	13	14
West Virginia	25,441	25,394	10,547	11,199	80	66	47	45
North Carolina	23,658	22,227	13,025	15,068	52	51	7	7
South Carolina	15,058	15,212	8,622	8,204	32	31	4	3
Georgia	26,073	27,329	31,602	34,181	56	56	8	9
Florida	30,147	37,165	17,855	23,544	203	203	42	37
East South Central	74,003	75,674	50,009	53,196	196	183	27	31
Kentucky	18,209	18,404	10,555	10,951	62	62	10	9
Tennessee	17,892	18,514	23,235	24,804	81	52	7	8
Alabama	19,698	19,701	10,302	10,990	41	40	7	9
Mississippi	18,204	18,965	5,917	6,451	11	9	3	5
West South Central	132,485	122,031	85,905	81,304	1,440	1,159	236	225
Arkansas	18,439	19,004	9,453	9,729	18	19	5	5
Louisiana	19,950	20,717	13,027	13,861	115	94	20	19
Oklahoma	29,451	29,072	15,277	16,865	118	94	10	15
Texas	64,645	52,638	48,148	40,849	1,189	952	201	186
Mountain	81,545	81,795	49,053	52,730	1,640	1,508	166	178
Montana	16,902	16,407	7,431	7,904	254	230	24	22
Idaho	9,286	9,303	3,368	3,333	91	86	12	11
Wyoming	7,919	7,586	2,080	1,912	114	100	13	6
Colorado	16,587	16,628	17,520	20,403	307	260	61	57
New Mexico	8,052	9,131	3,104	3,306	119	111	7	20
Arizona	10,394	10,929	4,505	5,327	377	341	24	23
Utah	7,861	7,809	9,641	8,853	281	279	23	27
Nevada	3,944	4,002	1,404	1,642	97	99	2	3
Pacific	142,740	150,759	131,019	140,324	5,761	5,598	738	871
Washington	31,098	31,898	27,119	28,152	815	755	94	105
Oregon	17,217	17,335	16,862	17,409	362	329	40	42
California	94,428	101,526	87,038	94,763	4,584	4,514	604	723
Outlying offices	15,161	14,575	6,651	6,765	509	467	23	51
Alaska	2,949	2,880	563	561	99	88	3	4
Guam	72	74	4	5	3	2	(1)	19
Hawaii	7,367	6,931	1,849	1,866	367	339	17	24
Porto Rico	4,224	4,150	4,107	4,208	20	17	1	3
Samoa (Tutuila)	52	42	5	5	14	13	1	----
Virgin Islands	497	498	6	120	6	8	1	1

[1] Less than $500.

Source: Annual Reports of the Postmaster General.

17.—TELEPHONE, TELEGRAPH, AND CABLE SYSTEMS

[Data cover public telephone systems and land (wire) and wireless commercial telegraph systems operated in continental United States and commercial cable systems operated by companies incorporated in United States]

No. 383.—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 and 1927

[All money figures in thousands of dollars]

	1902 [1]	1907	1912	1917	1922	1927
ALL SYSTEMS						
Number of systems and lines	9,136	22,971	32,233	53,234	57,253	60,148
Miles of wire (thousands)	4,900	12,999	20,248	28,827	37,266	63,836
Number of telephones (thousands)	2,371	6,119	8,730	11,717	14,347	18,523
Number of calls originating with systems reporting (millions)	[2]	[2]	[2]	21,846	24,648	31,614
Number of employees	[2]	[2]	[2]	262,629	312,015	375,272
Salaries and wages	[2]	[2]	[2]	175,670	352,026	496,597
Revenue, operating [3]	[2]	[2]	[2]	363,332	665,563	1,023,574
Investment in plant and equipment	[2]	[2]	[2]	1,492,320	2,205,183	3,548,875
SYSTEMS REPORTING ANNUAL INCOME OF $5,000 OR MORE, 1902–1917, AND THOSE REPORTING $10,000 OR MORE, 1922 AND 1927						
Number of systems and lines	4,151	1,636	1,916	2,200	1,323	1,368
Miles of wire, total (thousands)	4,850	11,922	19,019	27,298	35,503	62,277
Underground	[4]	[4]	9,165	14,849	21,440	39,893
Overhead	[4]	[4]	9,854	12,449	14,063	22,384
Exchange lines	[4]	[4]	16,336	23,723	30,907	54,281
Toll lines	[4]	[4]	2,683	3,575	4,596	7,996
Number of telephones (thousands)	2,315	4,907	7,327	9,954	12,295	16,713
Number of central offices	10,361	10,613	11,515	12,294	10,666	11,485
Number of private-branch exchanges	7,883	28,276	52,051	80,914	102,622	[5]
Number of calls originating with systems reporting (millions)	[6] 5,071	10,400	13,736	19,809	21,901	29,196
Local exchange	[6] 4,950	10,161	13,395	19,366	21,235	28,109
Long distance or toll	[6] 121	240	341	443	666	1,087
Number of employees	78,752	131,670	183,361	244,490	290,333	356,739
Salaries and wages	36,256	65,009	96,041	169,655	341,538	475,840
Operators (included above):						
Number	30,858	72,518	96,332	138,971	159,558	[5]
Male	2,525	2,457	1,972	1,679	932	[5]
Female	37,333	70,061	94,360	137,292	158,626	[5]
Wages	10,765	22,637	32,474	66,137	138,897	[5]
BELL SYSTEM (INCLUDED ABOVE)						
Miles of wire (thousands)	3,388	8,947	15,133	23,134	30,614	56,819
Number of telephones (thousands)	1,317	3,132	5,087	7,327	9,515	13,726
Number of originating calls (millions)	3,075	6,401	9,133	14,598	16,567	23,693
SYSTEMS REPORTING ANNUAL INCOME OF LESS THAN $5,000, 1902–1917, AND LESS THAN $10,000, 1922 AND 1927						
Miles of wire (thousands)	50	1,077	1,229	1,529	1,763	1,559
Number of telephones (thousands)	56	1,212	1,403	1,763	2,052	1,810
Number of originating calls (millions)	[4]	[4]	[4]	2,037	2,746	2,418

[1] Statistics for 1902 not strictly comparable with those for later years, except miles of wire and number of telephones.
[2] Not reported except for the larger systems and lines.
[3] Including assessments of mutual companies.
[4] Comparable data not available.
[5] Not called for on schedule.
[6] Number shown for all systems and lines.

Source: Bureau of the Census, Department of Commerce.

No. 384.—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				Telephones per 1,000 population, 1927	Number of originating calls (millions)	
	1922	1927	1902	1912	1922	1927		1922	1927
United States	37,205,958	63,836,182	2,371,044	8,729,592	14,347,395	18,522,767	155	24,648	31,614
New England	3,340,608	5,586,569	166,187	625,488	1,223,497	1,548,931	188	1,909	2,328
Maine	210,707	326,120	14,070	68,914	113,725	131,367	165	184	214
New Hampshire	134,326	211,448	9,949	40,017	68,874	83,066	183	104	117
Vermont	78,991	105,645	12,151	40,142	54,530	60,793	172	83	84
Massachusetts	1,908,091	3,165,833	96,512	329,992	687,700	867,888	203	1,100	1,334
Rhode Island	213,713	429,451	33,485	41,664	92,766	114,944	162	125	117
Connecticut	800,780	1,348,072		104,759	205,902	290,873	176	313	402
Middle Atlantic	10,818,580	18,992,689	493,054	1,782,145	3,249,710	4,588,211	183	4,826	6,008
New York	6,121,696	11,592,418	247,340	970,449	1,780,563	2,595,537	226	2,728	3,935
New Jersey	1,523,354	3,012,459	48,980	185,632	353,490	590,336	158	473	774
Pennsylvania	3,173,530	5,387,812	196,734	626,064	1,085,651	1,393,338	142	1,625	2,199
East North Central	8,763,146	15,223,410	740,059	2,378,257	3,693,101	4,589,751	185	6,077	7,538
Ohio	2,415,187	3,658,505	224,083	631,206	962,837	1,122,036	166	1,555	1,958
Indiana	1,058,314	1,558,005	136,561	354,550	508,726	552,249	175	959	1,061
Illinois	3,060,595	5,088,146	221,008	807,253	1,283,449	1,685,690	229	2,018	2,571
Michigan	1,390,945	2,907,217	95,415	335,074	508,140	711,315	156	856	1,140
Wisconsin	838,105	1,351,537	62,992	250,174	429,949	518,461	177	689	808
West North Central	4,487,007	6,044,901	399,855	1,621,523	2,315,996	2,594,031	196	4,083	4,577
Minnesota	1,147,278	1,422,716	63,192	272,359	424,777	487,611	180	804	931
Iowa	757,600	960,226	138,400	380,294	533,347	565,533	233	803	916
Missouri	1,247,503	1,988,764	103,155	404,150	550,980	657,946	187	1,046	1,269
North Dakota	124,873	140,923	6,762	51,241	77,580	80,198	134	110	129
South Dakota	108,414	154,601	10,387	65,858	101,555	107,641	154	150	171
Nebraska	514,374	606,425	36,766	201,689	273,500	295,274	210	520	524
Kansas	585,965	771,246	41,193	245,932	354,251	393,378	215	636	637
South Atlantic	2,448,857	4,244,852	146,765	531,402	937,324	1,282,222	79	1,818	2,426
Delaware	93,891	118,539	36,383	15,842	23,534	28,901	119	41	53
Maryland	540,089	936,353		84,801	153,790	197,135	123	237	294
District of Columbia	314,636	540,152		46,603	102,231	144,085	266	121	186
Virginia	379,093	615,286	25,762	76,652	155,490	183,698	72	267	382
West Virginia	226,739	349,899	22,801	80,251	116,081	146,677	86	203	279
North Carolina	199,594	392,455	17,036	65,152	116,129	160,507	55	274	379
South Carolina	126,284	171,678	10,753	33,230	54,078	64,616	35	125	146
Georgia	390,382	538,751	25,761	90,436	136,334	173,410	54	372	437
Florida	178,149	581,739	8,269	32,426	79,657	102,293	117	178	270
East South Central	1,248,559	2,001,125	112,851	337,292	521,120	644,270	69	1,274	1,537
Kentucky	467,781	722,120	46,949	130,751	201,545	222,735	87	429	485
Tennessee	399,932	642,096	36,392	104,353	171,413	220,559	88	479	559
Alabama	229,934	421,927	14,170	56,292	84,401	121,115	47	219	313
Mississippi	150,912	214,982	15,340	45,896	63,761	79,861	45	147	180
West South Central	2,148,789	3,619,976	114,939	543,102	872,157	1,149,357	98	1,963	2,649
Arkansas	219,398	318,868	16,928	68,303	99,490	118,178	61	216	239
Louisiana	256,372	560,262	17,543	46,602	87,354	137,610	71	260	385
Oklahoma	424,005	655,102	15,732	116,217	222,889	278,912	116	462	581
Texas	1,249,014	2,085,744	64,736	311,980	462,424	614,657	113	1,025	1,444
Mountain	927,602	1,198,550	48,087	226,652	385,790	456,198	117	636	780
Montana	120,725	135,536	5,451	35,537	55,115	59,238	108	75	81
Idaho	105,027	111,940	3,886	29,454	48,745	54,822	101	88	128
Wyoming	50,223	60,622	[1] 7,258	9,940	24,949	28,049	114	42	39
Colorado	412,816	559,873	24,533	90,397	150,652	183,250	169	247	313
New Mexico	37,428	48,765	2,510	10,340	18,342	21,580	55	33	35
Arizona	55,518	89,305	3,264	11,224	24,353	33,194	71	31	37
Utah	129,193	167,393	[2]	34,064	53,261	63,106	120	104	127
Nevada	16,732	25,116	1,165	5,684	10,313	12,959	168	16	20
Pacific	3,070,750	5,924,110	159,287	683,731	1,143,760	1,689,746	242	2,062	2,871
Washington	533,515	739,138	31,447	150,016	238,275	299,109	190	449	554
Oregon	368,342	490,820	21,190	99,713	146,847	185,171	207	277	331
California	2,174,893	4,694,152	106,650	434,002	763,638	1,205,466	268	1,336	1,986

[1] Includes Utah.
[2] Included with Wyoming.

Source: Bureau of the Census, Department of Commerce.

No. 385.—TELEPHONE SYSTEMS: TOTAL NUMBER OF TELEPHONES, ALL SYSTEMS, AND NUMBER OF TELEPHONES AND MILES OF WIRE IN THE BELL SYSTEM

Dec. 31—	Total telephones [1]	Bell system		Dec. 31—	Total telephones [1]	Bell system	
		Telephones [2]	Miles of wires			Telephones [2]	Miles of wire
1895	339,500	309,502	675,415	1921	13,875,200	13,380,219	27,819,821
1900	1,355,000	855,911	1,961,801	1922	[3] 14,347,395	14,050,565	30,616,522
1905	4,126,000	2,530,924	5,779,918	1923	15,369,500	15,000,101	34,523,842
1910	7,035,400	5,882,719	11,642,212	1924	16,072,500	15,906,550	39,803,619
1915	10,523,500	9,172,495	18,505,545	1925	16,935,900	16,720,224	45,473,540
1916	11,241,400	9,893,610	19,850,315	1926	17,746,000	17,574,252	50,861,150
1917	[3] 11,716,520	10,539,576	22,610,487	1927	[3] 18,522,767	18,365,486	56,822,895
1918	12,077,600	11,065,999	23,340,132	1928	19,341,000	19,197,035	62,192,744
1919	12,068,500	11,795,747	24,162,999	1929	20,068,000	19,953,000	69,519,425
1920	13,329,400	12,601,935	25,377,404	1930	20,201,000	20,008,059	76,248,265

[1] Partly estimated, except as indicated.
[2] Bell-owned and Bell-connecting (owned by other companies).
[3] From Bureau of the Census.

No. 386.—AMERICAN TELEPHONE & TELEGRAPH CO. AND ASSOCIATED OPERATING COMPANIES (BELL TELEPHONE SYSTEM): SUMMARY OF STATISTICS

	1910	1915	1920	1925	1928	1929	1930
	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	56,196	61,034	62,385
Toll messages, daily average	603	819	1,327	2,008	2,839	3,139	2,933
Central offices (number)	4,933	5,300	5,702	6,017	6,224	6,396	6,585
Miles of wire, total	11,642	18,506	25,377	45,474	62,193	69,519	76,248
Aerial wire	5,625	7,932	9,630	14,991	21,112	23,953	26,023
Underground wire	6,017	10,573	15,748	30,483	41,081	45,566	50,225
Exchange wire	9,678	16,052	21,604	39,841	53,416	58,511	62,867
Toll wire	1,964	2,453	3,773	5,633	8,777	11,008	13,381
Miles of phantom circuit [1]	116	197	508	795	1,238	1,581	2,206
Telephone stations, total	5,883	9,172	12,602	16,720	19,197	19,958	20,008
Bell-owned [2]	3,933	5,968	8,334	12,035	14,525	15,414	15,682
Bell-connecting (owned by other companies)	1,950	3,204	4,268	4,685	4,672	4,544	4,416
Employees (number)	120,311	156,294	231,316	293,095	334,335	364,045	324,343
	Income statement year ended Dec. 31 (in thousands of dollars) [3]						
Gross revenues	165,613	239,910	461,135	761,219	1,003,048	1,114,760	1,151,566
Expenses	114,618	173,728	381,626	578,776	760,326	838,073	883,692
Net revenue	50,994	66,182	79,509	182,443	242,722	276,687	267,874
Interest	11,557	18,096	31,724	45,940	51,635	59,582	66,228
Net income	39,438	48,086	47,785	136,503	191,087	217,105	201,646
Dividends	25,161	32,897	40,000	93,243	119,348	132,224	156,625
Balance	14,277	15,189	7,785	43,260	71,739	84,881	45,021
	Telephone plant, capital stock, and funded debt Dec. 31 (in thousands of dollars) [3]						
Telephone plant	611,000	880,069	1,363,826	2,524,906	3,275,687	3,671,100	4,043,422
Capital stock	344,045	440,711	511,493	1,144,619	1,564,644	1,611,862	2,156,063
Funded debt	224,792	353,236	585,794	890,337	964,784	1,148,540	1,115,592

[1] A phantom circuit is an extra circuit obtained without use of additional line wires by special inter connection of the four wires forming two existing physical circuits.
[2] Includes private line stations.
[3] All duplications between companies excluded.

Source of Tables 385 and 386: American Telephone & Telegraph Co.

No. 387.—TELEPHONE SYSTEMS: REPORTS TO INTERSTATE COMMERCE 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. Class B now includes companies with revenues from $100,000 to $250,000 and Class C those with revenues from $50,000 to $100,000. The smaller companies, Class D, are not covered in the table

Year ended Dec. 31—	Miles of wire (thousands)	Number of company stations (thousands)	Operating revenues	Operating expenses	Operating income before deduction of taxes	Operating income after deduction of taxes	Investment	
							Plant and equipment	All other
			Thousands of dollars					
All companies:								
1916	23,699	8,963	314,801	209,233	(1)	(1)	1,217,756	(1)
1920	29,640	----	580,349	(1)	(1)	88,024	1,704,804	1,122,289
1922	35,475	----	634,134	(1)	(1)	133,505	2,019,726	1,223,639
1924	44,000	----	720,826	513,779	(1)	156,713	2,501,828	1,491,939
1925	49,773	13,875	818,218	566,993	287,231	193,599	2,790,056	1,633,124
1926	56,021	14,812	907,564	608,150	294,925	219,508	3,101,797	1,744,637
1927	62,096	15,702	979,414	658,231	316,951	235,047	3,367,860	1,953,742
1928	67,790	16,648	1,068,478	715,032	348,175	260,641	3,666,730	2,030,651
1929	75,729	17,697	1,172,863	791,612	375,018	284,968	4,070,131	2,337,207
Class A companies:								
1920	27,462	9,294	486,427	375,372	112,069	81,362	1,518,660	1,092,698
1925	48,487	13,037	792,428	539,072	248,476	186,777	2,674,926	1,631,335
1929	74,380	16,857	1,144,508	722,380	305,046	276,965	3,936,122	2,331,955
1930	(1)	17,116	1,183,660	813,718	360,803	269,780	(1)	(1)
Class B companies: 1929	957	561	19,303	12,904	6,352	4,942	80,167	4,630
Class C companies: 1929	392	279	9,052	6,328	3,620	3,061	53,842	622

[1] Data not available.

Source: Interstate Commerce Commission.

No. 388.—WIRELESS TELEGRAPH SYSTEMS: SUMMARY OF STATISTICS

NOTE.—1917 omitted owing to war conditions

	1907	1912	1922	1927
Number of companies or systems	5	4	4	5
Number of messages	154,617	285,091	2,365,109	3,777,538
Number of tower stations	117	74	37	55
Income, total	$106,791	$669,158	[1] $8,111,102	[2] $24,829,340
Expenses, total	$160,329	$664,420	$5,111,574	$12,866,636
General operation and maintenance	$117,480	$588,712	$3,534,474	$5,116,264
Interest and taxes	$5,562	$7,826	$156,457	$249,435
All other expenses	$37,287	$67,882	$1,420,643	$7,500,937
Net income		$4,738	$2,999,528	$11,962,704
Deficit	$53,538			
Assets, total	$32,958,897	$10,377,197	$46,494,909	$81,147,512
Plant and equipment	$317,614	$1,205,770	$34,716,814	$35,751,904
Investment and marketable securities, long-term advances, and miscl. investments			$1,225,169	$17,711,483
Cash and current assets	$32,196,456	$9,171,427	[3] $4,427,880	$19,312,823
Materials and supplies			$5,883,877	$6,831,530
Sundries			$241,219	$1,387,342
Deficit	$444,827			$152,430
Liabilities, total	$32,958,897	$10,377,197	$46,494,909	$81,147,512
Capital stock	$32,676,242	$9,602,570	$36,034,309	$38,174,134
Funded and long-term debt			$525,000	
Floating debt	$282,655	$287,866	$659,280	$320,961
Accounts payable			$3,254,556	$11,436,628
Reserves (depreciation and other)			$4,040,280	$17,206,630
Sundries		$313,777	$1,172,599	$5,746,973
Surplus		$172,984	$808,885	$8,262,186
Number of employees	176	958	1,258	1,985
Salaries and wages	$81,771	$393,606	$2,095,506	$2,558,179

[1] Includes 5,013 land messages sent over a leased wire by a wireless company doing a land-telegraph business also.

[2] Includes revenues from transmission for 1922, $4,207,785; for 1927, $6,226,188; other operating revenues, 1922, $3,644,201; 1927, $14,791,565; nonoperating income, 1922, $259,116; 1927, $3,811,587.

[3] Includes sinking funds and stock and bond discounts.

Source: Bureau of the Census, Department of Commerce.

No. 389.—TELEGRAPH AND CABLE SYSTEM: SUMMARY OF REPORTS TO THE INTERSTATE COMMERCE COMMISSION

[All money figures in thousands of dollars. Data are not available for 1918 and 1919]

Year ended Dec. 31—	Miles of wire (thousands)	Investments		Operating revenues	Operating ratio (per cent)	Operating income	Net income	Dividends
		Plant and equipment	Other					
All companies:								
1916	1,936	149,936	(1)	74,847	73.77	(1)	13,955	6,066
1917	1,937	152,462	(1)	90,791	74.82	(1)	13,807	7,078
1920	1,781	258,097	21,275	153,264	(1)	21,512	16,158	11,471
1921	1,858	270,976	20,549	136,663	(1)	18,667	13,311	9,078
1922	1,874	279,402	19,907	138,190	(1)	22,894	18,138	13,960
1923	1,894	288,481	27,001	144,610	81.11	21,025	16,656	9,309
1924	1,946	307,143	27,565	146,176	81.94	20,229	15,805	9,386
1925	2,075	321,687	28,191	162,693	81.64	23,204	18,854	9,066
1926	2,050	338,794	27,017	165,831	82.81	21,767	16,806	10,750
1927	2,207	379,514	27,434	170,843	80.58	25,714	21,046	11,618
1928	2,317	396,609	32,190	177,019	81.18	26,335	21,662	11,680
1929	2,365	411,725	54,285	188,574	82.59	26,333	21,011	18,828
Western Union Co.: 1929	1,934	284,277	41,044	145,667	82.24	20,514	15,577	8,188
Mackay companies: 1929	360	67,078	9,474	29,304	94.58	990	181	------

[1] Data not avilable.

Source: Interstate Commerce Commission.

No. 390.—LAND AND OCEAN-CABLE TELEGRAPH SYSTEMS COMBINED: FINANCIAL STATISTICS

[All figures in thousands of dollars]

	1902	1913	1917	1922	1927
INCOME ACCOUNT					
Income, total	40,930	64,763	109,703	151,858	182,998
Telegraph traffic	35,301	60,403	106,990	146,805	177,589
From other sources	5,629	4,360	2,713	5,053	5,409
Expenses, total	30,948	58,379	91,871	127,991	159,153
Operation and maintenance	24,456	[1] 46,780	[1] 74,935	[1] 113,140	[1] 141,987
Interest and taxes	2,539	3,955	7,982	10,195	11,838
All other	3,953	7,644	[2] 8,954	[2] 4,656	[2] 5,328
Net income[3]	9,982	6,384	17,832	23,867	23,845
Dividends	6,257	6,180	9,817	10,716	14,199
BALANCE SHEET					
Assets	195,504	298,289	363,017	459,469	572,939
Plant and equipment	161,680	222,047	243,358	326,662	426,699
Securities and investments	25,940	33,934	56,035	78,839	52,270
Cash and current assets	7,884	[4] 42,308	[4] 63,624	[4] 53,969	[4] 93,970
Liabilities	195,504	298,289	363,017	459,469	572,939
Capital stock	117,053	163,646	167,260	177,204	180,095
Funded debt	45,893	62,741	61,828	71,394	97,037
Reserve	7,860	20,804	53,663	90,222	118,031
Other liabilities	6,619	35,248	45,484	50,133	64,557
Net surplus	18,079	15,850	34,782	70,517	113,219

[1] Includes charges for depreciation.
[2] Includes payment for use of leased lines.
[3] Total income less all expenses, including depreciation; for 1917, 1922, and 1927, does not include charges for sinking and other reserve funds.
[4] Includes sinking funds and stock and bond discount.

Source: Bureau of the Census, Department of Commerce.

No. 391.—LAND AND OCEAN-CABLE TELEGRAPH SYSTEMS: FINANCIAL STATISTICS

NOTE.—Western Union figures, which constitute the largest item of the totals, do not segregate land telegraph from ocean-cable business and are shown as totals under land telegraphs. Consequently, data in these columns overstate and those under ocean cables understate the true amounts

[All figures in thousands of dollars]

	Land systems				Ocean systems			
	1912	1917	1922	1927	1912	1917	1922	1927
INCOME ACCOUNT								
Income, total	56,293	92,954	130,539	162,860	8,470	16,749	21,319	20,137
Telegraph traffic	52,337	91,313	128,631	159,682	8,066	15,677	18,174	17,907
From other sources	3,956	1,642	1,908	3,178	404	1,072	3,145	2,230
Expenses	52,863	80,829	114,864	146,771	5,516	11,042	13,127	12,382
Net income	[1] 3,431	[1] 12,125	[1] 15,675	[1] 16,089	2,953	5,707	8,193	7,755
BALANCE SHEET								
Assets	190,706	226,407	321,913	412,720	107,583	136,610	137,557	160,219
Plant and equipment	[2] 143,911	[2] 163,488	254,030	338,143	[3] 78,136	[3] 79,871	72,632	88,556
Securities and investments	17,123	29,565	31,875	12,567	16,811	26,470	46,964	39,704
Cash and current assets	[4] 29,672	[4] 33,355	[4] 36,008	[4] 62,010	[5] 12,636	[5] 30,269	[5] 17,961	[5] 31,959
Liabilities	190,706	226,407	321,913	412,720	107,583	136,610	137,556	160,219
Capital stock	108,156	106,360	104,466	104,472	55,490	60,900	72,738	75,623
Funded debt	[6] 34,741	[6] 33,828	67,394	92,872	[7] 28,000	[7] 28,000	4,000	4,165
Reserves	5,255	20,627	46,773	64,607	15,549	33,036	43,449	53,424
Other liabilities	33,201	37,024	40,430	57,983	2,047	8,460	9,702	6,574
Net surplus	9,353	28,568	62,849	92,786	6,497	6,214	7,668	20,433

[1] Total income less all expenses, including depreciation; for 1917, 1922, and 1927 does not include charges for sinking and other reserve funds.
[2] Not including land-line-system plant and equipment to the value of $20,000,000 reported as cable-system plant and equipment for 1912 and 1917. (In statistics for preceding censuses an item of $20,000,000 funded debt, offset by the same amount for plant and equipment, was carried against ocean-cable telegraphs. This debt being really a land-line-system debt, is eliminated from the figures for ocean-cable system in 1922 and 1927.)
[3] Includes land-line-system plant and equipment to the value of $20,000,000 (see note 2).
[4] Includes sinking funds and stock and bond discount.
[5] Includes sinking and other special funds.
[6] Not including land-line-system funded debt to the amount of $20,000,000 reported as cable-system indebtedness in 1912 and 1917 (see note 2).
[7] Includes land-line-system indebtedness to the amount of $20,000,000 (see note 2),

No. 392.—LAND AND OCEAN-CABLE TELEGRAPH SYSTEMS COMBINED: EQUIPMENT, TRAFFIC, EMPLOYEES, SALARIES, AND WAGES

	1902	1912	1917	1922	1927
Miles of pole line [1]	237,990	247,528	241,128	252,991	256,809
Miles of single wire [2]	1,318,350	1,814,196	1,890,245	1,853,250	2,146,470
Aerial	([3])	([3])	1,809,482	1,718,251	1,940,059
Underground	([3])	([3])	77,187	131,448	200,811
Submarine	([3])	([3])	3,576	3,551	5,590
Nautical miles of ocean cable	16,677	67,676	71,251	76,711	105,893
Number of offices	27,377	30,864	28,940	27,354	27,666
Operated jointly with railway companies	([3])	26,247	23,272	21,906	21,449
Telegrams, thousands	91,655	109,378	[4] 127,074	191,121	229,532
Governmental	([3])	([3])	4,597	3,199	2,732
Full commercial rate	([3])	([3])	110,618	175,847	214,164
Contract rate and free	([3])	([3])	11,858	12,075	12,636
Number of employees	27,627	37,295	51,574	68,632	81,498
Salaries and wages ($1,000)	15,040	24,965	39,644	76,162	99,520

[1] Exclusive of pole line owned and operated wholly by railway companies.
[2] 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, 285,002 miles; 1927, 333,898 miles. No data for 1902.
[3] Figures not available.
[4] In addition, 31,102,577 lettergrams, not distributed according to rate, were reported by land systems.

Source of Tables 391 and 392: Bureau of the Census, Department of Commerce.

No. 393.—LAND AND OCEAN-CABLE TELEGRAPH SYSTEMS: EQUIPMENT, TRAFFIC, EMPLOYEES, SALARIES AND WAGES

NOTE.—The land business and the ocean business of the Western Union Telegraph Co. are not segregated in this table for 1912 and are shown as totals under land systems. The total (estimated) number of messages in 1912 was 103,536,418 on land systems and 5,841,280 on ocean systems.

	Land systems				Ocean systems			
	1912	1917	1922	1927	1912	1917	1922	1927
Miles of pole line [1]	247,528	241,012	252,991	254,720	-------	116	-------	2,089
Miles of single wire [2]	1,814,196	1,888,793	1,845,237	2,143,334	(3)	1,452	8,013	3,136
Aerial	(3)	1,808,325	1,714,211	1,938,833	(3)	1,157	4,040	1,236
Underground	(3)	76,892	127,475	198,911	(3)	295	3,973	1,900
Submarine	(3)	3,576	3,551	5,590	-------	-------	-------	-------
Nautical miles of ocean cable	-------	-------	-------	-------	67,676	71,251	76,711	105,803
Number of offices	30,781	28,826	27,214	27,560	83	114	140	106
Operated jointly with railway companies	26,247	23,272	21,906	21,449	-------	-------	-------	-------
Telegrams, thousands	106,533	[4] 120,623	181,519	215,595	2,845	6,451	9,603	13,987
Governmental	(3)	4,309	3,130	2,657	(3)	288	69	75
Full commercial rate	(3)	106,159	166,730	200,381	(3)	4,459	9,117	13,783
Contract rate and free	(3)	10,154	11,659	12,557	(3)	1,704	417	129
Number of employees	35,630	47,227	62,209	77,236	1,056	4,347	6,333	4,263
Salaries and wages ($1,000)	23,798	36,392	68,737	93,413	1,167	3,252	7,425	6,108

[1] Exclusive of pole line owned and operated wholly by railway companies.
[2] 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, 285,002 miles; 1927, 333,898 miles.
[3] Figures not available.
[4] In addition, 31,102,577 lettergrams, not distributed according to rate, were reported.

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
June 30—				*Dollars*	*Dollars*	*Dollars*
1867	46,270	85,291	2,505	6,568,925	3,944,006	2,624,920
1870	54,109	112,191	3,972	7,138,738	4,910,772	2,227,966
1875	72,833	179,496	6,505	9,564,576	6,335,415	3,229,158
1880	85,645	233,534	9,077	12,782,895	6,948,957	5,833,938
1885	147,500	462,283	14,184	17,706,834	12,005,910	5,700,924
1890	183,917	678,907	19,382	22,387,029	15,074,304	7,312,725
1895	189,714	802,651	21,360	22,218,019	16,076,630	6,141,389
1900	192,705	933,153	22,900	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	1,429,049	24,825	33,889,202	26,614,302	7,274,900
Dec. 31—						
1913	237,807	1,562,170	25,060	46,899,267	42,327,121	4,572,146
1914	240,231	1,609,346	25,784	47,287,388	40,578,751	6,708,637
1915	238,940	1,610,709	25,142	52,475,721	40,972,541	11,503,180
1916	237,664	1,627,342	25,234	63,621,601	[1] 49,894,346	13,727,255
1917	228,766	1,626,963	25,466	78,480,223	62,783,006	15,697,217
1918	[2] 247,303	1,382,547	25,452	[3] 88,093,247	[3] 76,713,028	[3] 11,380,219
1919	245,560	1,433,978	25,159	[3] 104,082,147	[3] 90,312,033	[3] 13,770,114
1920	246,214	1,449,710	24,881	121,473,685	108,134,041	13,339,644
1921	246,064	1,521,085	24,632	105,228,075	95,542,563	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	115,235,563	101,815,734	13,419,829
1925	246,307	1,635,236	24,428	129,151,617	112,861,832	16,289,785
1926	249,916	1,668,293	24,688	136,406,026	121,098,832	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	132,974,961	15,474,893
1930	256,763	1,948,938	24,298	133,235,751	123,988,719	9,247,032

[1] Includes special payment to employees, $1,166,424. [2] Figures readjusted. [3] Corporate and Federal.

Sources: Table 393, Bureau of the Census, Department of Commerce; Table 394, Annual Reports of the 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	Bituminous	Total coal	Domestic oil	Natural gas	Imported oil	Water power [1]	Grand total fuels and water power	Equivalent in bituminous coal [2]	
									Million tons of 2,000 lbs.	Per capita, tons
1871–1875	637	754	1,391	49	-------	-------	(1)	1,520	58	1.4
1876–1880	718	955	1,673	101	-------	-------	(1)	1,857	71	1.5
1881–1885	985	1,863	2,848	153	[3] 24	-------	(1)	3,110	119	2.2
1886–1890	1,195	2,474	3,669	198	[3] 264	-------	(1)	4,221	161	2.7
1891–1895	1,453	3,286	4,739	307	[3] 166	-------	104	5,316	203	3.0
1896–1900	1,513	4,493	6,006	357	[3] 198	-------	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	9,783	11,990	1,037	470	1	369	13,867	529	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	297	851	20,648	788	7.6
1921–1925	2,112	12,610	14,722	3,888	1,024	569	1,105	21,308	813	7.3
1925	1,681	13,625	15,306	4,582	1,278	371	1,290	22,827	871	7.6
1926	2,297	15,022	17,319	4,625	1,411	362	1,492	25,209	962	8.3
1927	2,179	13,565	15,744	5,407	1,553	350	1,687	24,741	944	8.0
1928	2,040	13,120	15,169	5,409	1,686	479	1,942	24,685	942	7.9
1929	2,008	14,017	16,025	6,044	2,062	474	1,929	26,534	1,013	8.3
Per cent of total—										
1901–1905	18.0	70.7	88.7	6.1	3.2	-------	2.1	100.0	-------	-------
1911–1915	14.5	68.9	83.4	8.9	3.7	0.4	3.5	100.0	-------	-------
1921–1925	9.9	59.2	69.1	18.2	4.8	2.7	5.2	100.0	-------	-------
1929	7.5	52.8	60.3	22.8	7.8	1.8	7.3	100.0	-------	-------

[1] 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.
[2] Calculated at 26,200,000 British thermal units per ton.
[3] Based on the amount of coal displaced by gas, as estimated by the gas companies at the time.

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 3,500 plants in 1919 to about 3,900 in 1930, 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 per cent of that of all plants

Calendar year	Production of electricity			Consumption of fuel			Consumption—Coal or coal equivalent		Capacity of generators
	Total	Water power	Fuel power	Coal	Fuel oil	Gas	Total	Per kilowatt-hour	
	Million kilowatt-hours	*Million kilowatt-hours*	*Million kilowatt-hours*	*Thousand tons* [1]	*Thousand barrels* [2]	*Million cubic feet*	*Thousand tons* [1]	*Pounds*	*Thousand kilowatts*
1902	4,768	-------	-------	-------	-------	-------	-------	-------	[3] 2,112
1907	10,621	-------	-------	-------	-------	-------	-------	-------	4,432
1912	17,572	-------	-------	-------	-------	-------	-------	-------	7,670
1917	32,079	-------	-------	-------	-------	-------	-------	-------	11,919
1919	38,921	14,606	24,315	35,100	11,050	21,406	38,880	3.2	13,094
1920	43,555	16,150	27,405	37,124	13,123	24,702	41,420	3.0	14,399
1921	40,975	14,970	26,005	31,585	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	38,966	14,684	31,433	43,522	2.4	17,309
1924	59,014	19,969	39,044	37,556	10,630	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	45,556	1.95	25,398
1927	80,205	29,875	50,330	41,888	6,782	62,919	45,910	1.84	27,691
1928	87,850	34,696	53,154	41,350	7,158	77,326	46,387	1.76	29,630
1929	97,352	34,629	62,723	44,937	10,124	112,707	52,574	1.69	31,952
1930	95,936	33,021	62,915	42,898	9,260	120,230	50,654	1.62	34,264

[1] Of 2,000 pounds. [2] Of 42 gallons. [3] Partly estimated.

Sources: Table 395, Bureau of Mines, Department of Commerce; Table 396, 1902 to 1917, 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										Capacity of generators, 1930
	Total						Generated by water power		Generated by fuel power		
	1920	1924	1926	1928	1929	1930	1920	1930	1920	1930	
United States	43,555	59,014	73,791	87,850	97,352	95,936	16,150	33,021	27,405	62,915	34,264
New England	3,407	4,335	5,166	5,959	6,609	6,400	1,134	2,137	2,273	4,263	2,923
Maine	352	474	544	694	720	731	344	666	9	65	282
New Hampshire	97	216	264	302	310	367	61	295	36	72	256
Vermont	200	224	265	452	464	480	196	478	4	2	178
Massachusetts	1,740	2,098	2,499	2,751	3,026	2,908	358	501	1,382	2,406	1,344
Rhode Island	334	427	476	490	653	547	6	3	328	544	243
Connecticut	684	896	1,118	1,270	1,436	1,367	169	194	515	1,174	625
Middle Atlantic	12,349	16,306	20,527	22,657	24,784	25,136	3,665	6,190	8,684	18,946	8,484
New York	6,939	9,280	11,333	13,030	14,405	14,404	3,030	5,514	3,909	8,889	4,965
New Jersey	1,096	1,304	1,737	2,085	2,165	2,857	2	18	1,094	2,839	927
Pennsylvania	4,314	5,713	7,457	7,542	8,155	7,875	633	657	3,681	7,217	2,592
East North Central	9,958	13,791	17,664	20,947	23,333	22,165	1,382	2,217	8,576	19,947	7,992
Ohio	2,930	3,702	4,761	5,539	6,417	5,942	28	24	2,902	5,918	2,201
Indiana	933	1,298	1,758	1,989	2,576	2,943	35	109	898	2,834	987
Illinois	3,043	4,665	5,930	6,966	7,369	6,851	185	250	2,858	6,592	2,335
Michigan	2,093	2,697	3,393	4,347	4,695	4,270	672	986	1,421	3,284	1,554
Wisconsin	960	1,430	1,821	2,106	2,276	2,159	463	840	497	1,318	826
West North Central	3,179	3,934	4,587	5,126	5,675	5,982	1,166	1,435	2,013	4,547	2,394
Minnesota	703	870	1,040	1,065	1,202	1,311	410	623	293	688	514
Iowa	1,017	1,175	1,345	1,521	1,499	1,574	662	682	354	892	567
Missouri	608	889	913	991	1,221	1,269	46	53	652	1,216	608
North Dakota	28	30	48	85	105	125	-------	-------	28	125	57
South Dakota	48	66	80	106	108	114	15	14	33	101	62
Nebraska	247	338	395	464	533	575	13	35	235	540	215
Kansas	438	557	766	893	1,007	1,014	21	28	417	986	371
South Atlantic	3,980	5,950	7,197	10,500	11,902	10,895	1,614	5,111	2,365	5,784	4,294
Delaware	76	83	119	100	53	18	-------	-------	76	18	32
Maryland	283	482	588	1,477	2,011	1,869	3	989	280	881	620
District of Columbia	255	315	381	467	505	548	-------	12	255	536	109
Virginia	521	744	926	1,168	1,207	1,231	203	192	318	1,039	426
West Virginia	1,128	1,703	1,807	2,045	2,220	2,103	23	84	1,105	2,019	560
North Carolina	260	647	1,117	2,225	2,552	2,298	208	1,908	51	390	993
South Carolina	730	944	1,088	1,399	1,457	1,202	673	1,013	57	189	686
Georgia	595	749	711	981	1,136	937	491	861	104	76	407
Florida	133	218	510	637	670	688	13	52	120	636	370
East South Central	1,464	2,064	3,049	3,326	3,623	3,882	840	2,987	623	895	1,639
Kentucky	276	405	514	625	715	719	-------	201	276	518	335
Tennessee	573	694	894	956	1,021	1,037	441	738	132	299	416
Alabama	550	890	1,583	1,695	1,830	2,065	399	2,048	150	16	832
Mississippi	66	74	59	50	57	62	-------	-------	66	62	56
West South Central	1,230	1,923	2,640	4,035	4,696	5,055	7	66	1,222	4,989	1,592
Arkansas	119	155	164	150	128	108	1	40	117	68	94
Louisiana	219	308	520	821	990	1,067	-------	-------	219	1,067	267
Oklahoma	214	331	403	844	977	958	2	3	212	955	334
Texas	679	1,129	1,493	2,221	2,801	2,922	4	23	675	2,899	897
Mountain	2,581	2,963	3,425	3,918	3,967	3,699	2,247	3,012	334	687	1,145
Montana	1,126	1,145	1,408	1,619	1,614	1,320	1,119	1,298	7	22	311
Idaho	501	703	811	948	894	912	589	909	2	3	229
Wyoming	47	54	59	84	99	98	2	40	44	58	48
Colorado	397	490	562	541	564	573	185	236	213	337	225
New Mexico	15	20	26	52	67	76	1	2	14	74	43
Arizona	159	153	172	336	283	384	107	243	53	141	139
Utah	212	267	350	283	402	293	212	243	(1)	50	140
Nevada	34	42	37	55	44	43	33	41	1	2	11
Pacific	5,408	7,748	9,537	11,382	12,563	12,723	4,094	9,886	1,314	2,856	3,797
Washington	1,197	1,504	1,808	2,361	2,552	2,255	1,154	2,290	43	265	784
Oregon	476	678	831	1,041	1,161	1,219	371	772	105	447	315
California	3,736	5,566	6,898	7,980	8,850	8,948	2,569	6,804	1,167	2,144	2,698

[1] Less than 500,000 kilowatt-hours.

Source: Geological Survey, Department of the Interior.

No. 398.—CENTRAL ELECTRIC STATIONS: EQUIPMENT, EMPLOYEES, OUTPUT AND SALES

NOTE.—A central electric station is one selling current to public or private consumers, or a municipal plant supplying current for streets, public buildings, etc. Isolated or private plants operated solely for the benefit of the owner in connection with factories, mines, stores, hotels, institutions, etc., which in the aggregate produce great quantities of current, are not included. The business of electric street railways is shown only so far as that portion of their business relating to the sale of current can be segregated. Electric plants operated by the Federal or State Governments are excluded even when they sell current to private consumers. One central electric station often sells current to another, so that there is considerable duplication in total sales. Net sales are considerably less than current generated because of wire losses, self consumption, etc.

	All central electric stations					
	1902	1907	1912	1917	1922	1927
Number of stations [1]	3,620	4,714	5,221	6,542	6,355	4,335
Prime movers, horsepower—thousands	1,845	4,098	7,530	12,937	19,851	35,710
Steam engines	1,394	1,876	1,895	1,702	1,371	994
Steam turbines		817	3,954	6,747	12,355	24,323
Water wheels and turbines	439	1,349	2,469	4,277	5,822	9,814
Internal-combustion engines	12	56	111	210	303	548
Dynamos:						
Number	12,484	12,173	12,610	13,428	12,701	11,967
Kilowatt capacity—thousands	1,212	2,709	5,165	8,994	14,313	25,811
Output—millions of kilowatt hours			14,183	31,044	50,274	96,329
Generated	2,507	5,862	11,569	25,438	40,292	74,687
Purchased	(2)	(2)	2,614	5,606	9,983	22,142
Sold	(2)	(2)	(2)	25,752	41,965	79,011
To ultimate consumers	(2)	(2)	(2)	(2)	32,948	63,612
For resale	(2)	(2)	(2)	(2)	9,017	15,399
Number of customers—thousands	(3)	1,947	3,838	7,179	12,710	21,786
Salaried employees—number	6,996	12,990	26,093	35,406	55,112	101,415
Salaries—1,000 dollars	5,664	11,734	24,307	36,788	86,951	(3)
Wage earners—number	[4] 23,330	[4] 34,642	[5] 53,242	[5] 70,135	[5] 95,650	[5] 149,605
Wages—1,000 dollars	14,983	23,037	36,855	58,454	125,481	(3)

[1] The term "station" as here used may represent a single electric station or a number of stations operated under the same ownership.
[2] Figures not available.
[3] Salaries and wages were not reported for 1927 by municipal plants. Commercial plants reported 95,917 salaried employees, with salaries amounting to $166,341,000, and 138,796 wage earners, with wages amounting to $201,291,000. The percentages which the salaried employees and wage earners reported by the commercial plants formed of the corresponding totals for both commercial and municipal plants were 94.6 and 92.8, respectively.
[4] Average number for the year.
[5] Number Sept. 16, 1912; Sept. 29, 1917; June 30, 1922; and June 30, 1927, or nearest representative day.

No. 399.—CENTRAL ELECTRIC STATIONS: EQUIPMENT, EMPLOYEES, AND FINANCES OF COMMERCIAL AND MUNICIPAL STATIONS

NOTE.—See headnote to Table 398

	Commercial stations				Municipal stations			
	1912	1917	1922	1927	1912	1917	1922	1927
Number of establishments	3,659	4,224	3,774	2,137	1,562	2,318	2,581	2,198
Horsepower of prime movers—thousands	6,971	12,078	18,571	33,661	559	859	1,280	2,049
Capacity of dynamos thousands of kw	4,769	8,412	13,407	24,383	397	582	906	1,428
Current millions of kw. hrs	13,557	29,812	47,833	92,299	626	1,232	2,441	4,529
Generated	11,032	24,399	38,413	71,307	537	1,039	1,878	3,379
Purchased	2,525	5,413	9,420	20,992	89	193	563	1,150
Sold—								
To ultimate consumers	(1)	24,723	30,941	60,537	(1)	1,029	2,007	3,075
For resale			8,971	14,808			45	591
Customers—thousands	3,312	6,202	11,065	19,661	526	977	1,645	2,129
Employees—number	71,395	94,679	136,105	234,747	7,940	10,862	14,657	16,273
Income—1,000 dollars	279,054	486,634	936,084	1,841,227	23,219	40,260	85,436	122,437
Expenses—do	217,660	395,127	792,496	1,318,255	16,917	31,441	67,129	(1)
Assets—do	2,490,023	3,631,973	5,504,614	12,950,388	86,521	148,345	288,623	(1)
Value of plant and equipment—1,000 dollars	2,098,613	2,933,017	4,229,356	[2] 8,880,291	77,065	127,375	235,960	417,167

[1] Not called for on schedule.
[2] Includes plant and equipment valued at $902,057,279, not separated as to electric light and power and other properties.

Source of Tables 398 and 399: Bureau of the Census, Department of Commerce.

No. 400.—CENTRAL ELECTRIC STATIONS: STATISTICS OF COMMERCIAL

[See headnote

Division and State	Horsepower of prime movers (thousands)				Millions of kilowatt-hours generated			
	Total		Steam engines and turbines and internal-combustion engines, 1927	Water wheels and turbines, 1927	1907	1912	1917	1922
	1922	1927						
Continental United States	19,851	35,710	25,866	9,844	5,862	11,569	25,438	40,292
New England	1,980	3,009	2,250	759	474	865	1,836	2,970
Maine	128	252	50	202	66	117	166	278
New Hampshire	72	157	61	96	55	127	160	95
Vermont	139	204	20	184	30	43	65	218
Massachusetts	1,065	1,529	1,340	189	219	386	937	1,403
Rhode Island	222	264	202	2	36	62	162	342
Connecticut	354	603	517	86	67	131	346	544
Middle Atlantic	5,080	8,315	6,907	1,708	2,009	3,549	7,659	10,766
New York	2,084	4,212	2,788	1,424	1,452	2,175	3,829	5,431
New Jersey	475	1,004	997	7	141	384	781	1,058
Pennsylvania	1,901	3,399	3,122	277	417	990	3,049	4,277
East North Central	4,586	8,668	7,866	802	1,076	2,528	5,757	9,368
Ohio	1,212	2,354	2,331	23	217	309	1,084	2,404
Indiana	451	870	822	48	130	237	441	795
Illinois	1,405	2,904	2,838	66	468	1,151	2,210	3,000
Michigan	945	1,619	1,263	356	208	526	1,504	2,103
Wisconsin	575	921	612	309	53	215	518	976
West North Central	1,610	2,671	2,227	444	386	713	1,776	2,969
Minnesota	312	516	342	174	88	186	441	589
Iowa	331	649	443	206	38	67	615	869
Missouri	429	648	626	22	147	233	266	701
North Dakota	43	56	56	----------	8	12	23	40
South Dakota	53	70	63	7	14	25	32	62
Nebraska	155	250	229	21	32	56	130	246
Kansas	286	482	468	14	60	133	270	473
South Atlantic	1,910	4,394	2,695	1,699	266	730	1,745	3,789
Delaware								
Maryland	430	695	669	26	78	118	326	622
Dist. of Columbia								
Virginia	163	502	404	98	10	29	108	310
West Virginia	393	755	670	85	25	42	204	1,199
North Carolina	231	773	301	472	13	71	372	404
South Carolina	449	700	164	536	69	357	500	844
Georgia	140	609	136	473	59	88	184	268
Florida	95	360	351	9	12	26	51	131
East South Central	717	1,447	779	668	119	228	1,049	1,420
Kentucky	135	395	257	138	37	76	123	232
Tennessee	204	456	283	173	35	76	565	493
Alabama	320	508	151	357	31	49	331	634
Mississippi	59	88	88	----------	16	28	30	62
West South Central	626	1,563	1,532	31	139	284	483	1,041
Arkansas	57	131	117	14	12	18	39	84
Louisiana	44	277	277	----------	26	18	26	52
Oklahoma	162	300	298	2	25	49	101	243
Texas	362	855	840	15	76	149	317	662
Mountain	1,005	1,406	386	1,020	381	846	2,038	2,209
Montana	356	378	15	363	137	379	965	988
Idaho	209	307	4	303	10	116	145	531
Wyoming	41	48	44	4	5	12	27	39
Colorado	153	269	190	79	123	165	274	290
New Mexico	20	33	32	1	5	9	17	22
Arizona	82	153	48	105	9	33	66	147
Utah	129	199	50	149	62	87	487	146
Nevada	16	19	3	16	30	45	54	45
Pacific	2,355	3,937	1,224	2,713	1,012	1,878	3,097	5,759
Washington	512	848	149	699	258	71	242	1,144
Oregon	107	308	139	169	93	59	108	267
California	1,735	2,781	936	1,845	662	1,747	2,747	4,348

[1] Less than 500,000 kilowatt-hours.

AND MUNICIPAL PLANTS WITH CURRENT GENERATED AND SOLD, BY STATES

to Table 398]

Millions of kilowatt-hours generated—Continued			Millions of kilowatt hours sold, 1927—		Income (in thousands of dollars), 1927—		Division and State
1927	Commercial stations, 1927	Municipal stations, 1927	To ultimate consumers	For resale	From sale of electric current to ultimate consumers	From electric current sold for resale	
74,686	71,307	3,379	63,612	15,399	1,667,045	135,610	**Continental United States.**
4,750	4,660	90	3,956	1,868	138,141	18,653	**New England.**
501	557	4	473	41	9,819	420	Maine.
226	225	1	151	27	6,697	298	New Hampshire.
339	322	17	127	195	4,897	1,667	Vermont.
2,245	2,182	63	2,019	988	75,943	10,578	Massachusetts.
411	411	----------	378	376	12,451	3,355	Rhode Island.
968	963	5	808	241	28,334	2,335	Connecticut.
19,282	19,158	124	17,869	3,419	475,197	24,704	**Middle Atlantic.**
9,918	9,840	78	9,378	1,678	242,482	10,794	New York.
1,862	1,852	10	1,688	52	68,507	557	New Jersey.
7,502	7,466	36	6,803	1,689	164,208	13,353	Pennsylvania.
18,212	17,329	883	15,257	3,840	403,177	32,408	**East North Central.**
4,724	4,429	295	4,224	698	111,878	6,856	Ohio.
1,746	1,590	156	1,522	411	45,288	4,014	Indiana.
6,075	5,876	199	4,932	1,938	128,474	14,147	Illinois.
3,774	3,597	177	3,225	251	79,040	2,624	Michigan.
1,893	1,837	56	1,354	542	38,497	4,767	Wisconsin.
4,549	4,134	415	4,061	553	140,750	9,534	**West North Central.**
843	784	59	924	96	31,045	1,643	Minnesota.
1,429	1,375	54	685	180	26,521	2,990	Iowa.
891	839	52	1,452	120	41,978	1,547	Missouri.
60	56	4	48	5	3,799	223	North Dakota.
90	75	15	67	12	4,797	402	South Dakota.
405	340	65	301	70	12,627	1,434	Nebraska.
831	665	166	584	70	19,983	1,295	Kansas.
8,445	8,187	258	7,015	1,961	153,834	15,869	**South Atlantic.**
1,102	1,085	17	1,236	83	31,615	1,168	Delaware, Maryland, Dist. of Columbia.
974	933	41	687	15	17,120	161	Virginia.
1,903	1,902	1	970	1,163	21,481	6,818	West Virginia.
2,036	1,997	39	1,908	369	27,313	4,112	North Carolina.
1,116	1,112	4	799	165	13,032	1,510	South Carolina.
746	733	13	980	141	20,466	1,563	Georgia.
568	425	143	435	25	22,807	537	Florida.
2,777	2,706	71	2,455	1,243	59,820	9,204	**East South Central.**
505	487	18	548	171	17,686	1,887	Kentucky.
937	914	23	748	271	18,284	2,257	Tennessee.
1,270	1,264	6	1,089	797	17,790	5,013	Alabama.
65	41	24	120	4	6,060	47	Mississippi.
3,275	3,123	152	2,703	562	89,947	5,890	**West South Central.**
174	161	13	186	36	8,421	403	Arkansas.
635	598	37	447	143	14,412	1,237	Louisiana.
654	605	49	597	72	20,692	1,071	Oklahoma.
1,812	1,759	53	1,473	311	46,422	3,179	Texas.
3,390	3,329	61	2,857	121	51,159	1,586	**Mountain.**
1,399	1,399	(1)	1,197	11	10,595	112	Montana.
713	704	9	264	21	5,405	141	Idaho.
67	65	2	49	7	2,533	211	Wyoming.
500	466	34	397	17	13,942	326	Colorado.
33	32	1	26	2	1,913	38	New Mexico.
280	279	1	202	46	5,273	539	Arizona.
341	327	14	658	10	9,832	155	Utah.
57	57	(1)	64	7	1,066	64	Nevada.
10,006	8,681	1,325	7,439	1,832	155,020	17,762	**Pacific.**
2,105	1,639	466	1,620	179	25,498	1,394	Washington.
840	810	30	658	48	13,898	354	Oregon.
7,061	6,232	829	5,161	1,605	115,624	16,014	California.

Source: Bureau of the Census, Department of Commerce.

No. 401.—CENTRAL ELECTRIC STATIONS: FINANCIAL STATISTICS

[All figures in thousands of dollars. See headnote to Table 398]

	Commercial electric stations						Municipal electric stations
	1902	1907	1912	1917	1922	1927	1927
INCOME ACCOUNT							
Income, total	78,736	161,630	279,054	486,634	986,684	1,841,227	122,437
Electric service, total	77,350	156,000	264,475	462,474	936,852	1,680,218	122,437
Commercial and domestic light and power	57,195	122,885	205,074	373,280	773,111	1,424,998	100,649
Municipal lighting	16,130	19,772	27,131	31,462	40,854	66,141	11,058
Sales to other public service corporations	4,025	13,343	30,857	57,207	122,321	189,079	10,730
Value of free service	(1)	(1)	513	525	566	(1)	(1)
Interest and dividends from investments	(1)	(1)	4,869	8,807	16,527	53,959	(1)
Other sources	1,386	5,630	9,710	15,353	33,305	107,050	(1)
Expenses, total	62,835	123,880	217,660	395,127	792,496	1,318,255	(1)
Fuel	10,100	19,825	30,502	78,286	146,323	157,912	
Current purchased	2,007	6,081	10,913	35,733	79,037	143,711	
Supplies, materials, and miscellaneous	14,751	27,897	27,565	48,118	80,492	121,529	
Rent of offices, conduits, etc	1,272	2,884	4,214	9,881	18,626	(2)	
Salaries and wages	18,767	31,935	55,659	86,473	194,148	367,632	
Taxes	2,655	6,346	13,117	29,897	73,128	150,253	
Injuries, damages, insurance	1,074	2,070	3,316	5,145	10,209	(1)	
Interest	12,119	26,842	46,865	71,145	125,596	269,602	
Depreciation	(1)	(1)	17,989	26,202	59,273	107,616	
Sinking and reserve funds	(1)	(1)	1,520	4,157	5,004	(1)	

[1] Not called for on schedule.
[2] No comparable data.

Source: Bureau of the Census, Department of Commerce.

No. 402.—PROPORTION OF "ELECTRIFICATION" OF FACTORY POWER EQUIPMENT

Item	Horsepower (thousands)			
	1914	1923	1925	1927
Combined capacity of prime movers and electric motors using purchased current	22,289	33,092	35,767	38,826
Electric motors operated by prime movers owned by factories	4,938	8,321	10,255	11,220
Estimated capacity of prime movers used to actuate these motors	3,550	6,350	7,380	8,070
Electric motors using purchased current	3,884	13,364	15,865	19,132
Total last two items, "Electrified" equipment	7,434	19,714	23,245	27,202
Per cent of total power equipment	33	60	65	70
Capacity of all prime movers in factories	18,405	19,728	19,902	19,693

Source: Basic figures from Bureau of the Census.

No. 403.—RETAIL PRICES OF ELECTRICITY IN PRINCIPAL CITIES

NOTE.—Net price in cents per kilowatt hour, electricity for household use. For cities having more than one tariff for domestic consumers rates are shown for the schedule or schedules under which most residences are served. "Demand" is a term applied to an amount of current consumption bearing a given ratio to the capacity of consumers' installation as a basis for graduating rates. The method of determination varies from city to city. For example, in Buffalo the lighting demand is 25 per cent of the total installation, but not less than 250 watts. If the capacity of the total installation is 2,000 watts, the "demand" is 25 per cent of this, or 500 watts, and the first 60 hours' use amounts to 30 kilowatt hours and is subject to the first price schedule (5 cents, 1930); the next 120 hours' use (60 kilowatt hours) to the next rate (4 cents), and above 90 kilowatt hours to the excess rate (1½ cents). Measure of consumption as stated in second column refers to tariffs of 1930. For some cities primary and secondary rates applied to somewhat different amounts of current consumption in previous years. For full details see Monthly Labor Review, February, 1931

City	Measure of consumption per month	December—							
		1923	1924	1925	1926	1927	1928	1929	1930
Atlanta	Service charge							100.0	100.0
	First 50 kilowatt hours	8.1	8.1	8.1	8.1	8.1	8.1	5.0	5.0
Baltimore	First 20 hours' use of demand	8.0	8.0	8.0	8.0	7.0	7.0	6.7	6.7
Birmingham	First 100 kilowatt hours	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
Boston	First 2 kilowatt hours per 100 square feet of floor area.	9.5	9.5	8.5	8.5	8.5	8.5	8.5	7.5
Buffalo	First 60 hours' use of demand	6.0	6.0	5.0	5.0	5.0	5.0	5.0	5.0
	Next 120 hours' use of demand	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
	Excess	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Chicago	First 3 kilowatt hours per room	8.0	8.0	8.0	8.0	8.0	7.0	7.0	7.0
	Next 3 kilowatt hours per room	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
	Excess	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Cleveland	Co. A, first 40 kilowatt hours	5.0	5.0	5.0	5.0	5.0	5.0	6.0	5.0
	Next 200 kilowatt hours								4.0
	Co. B., service charge					30.0	30.0	30.0	30.0
	First 600 kilowatt hours	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Columbus	First 50 kilowatt hours	7.0	7.0	7.0	7.0	7.0	7.0	6.0	6.0
Dallas	First 800 kilowatt hours	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Denver	First 15 kilowatt hours	8.0	8.0	8.0	8.0	7.0	7.0	7.0	7.0
Detroit	First 3 kilowatt hours per active room; minimum, 3 rooms.	10.8	10.8	10.8	9.0	9.0	9.0	9.0	9.0
	Next 50 kilowatt hours	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
Fall River	First 25 kilowatt hours	9.0	9.0	9.0	8.5	8.5	8.0	8.0	8.0
	Next 75 kilowatt hours	8.5	8.5	8.5	7.5	7.5	5.0	5.0	5.0
Jacksonville	First 500 kilowatt hours	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
Los Angeles	First 35 kilowatt hours	5.6	5.6	5.6	5.6	5.0	5.0	5.0	4.8
Louisville	First 30 kilowatt hours	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
Memphis	First 6 kilowatt hours per room	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
	Excess	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Newark	First 20 kilowatt hours	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
	Next 30 kilowatt hours		8.0	8.0	8.0	8.0	8.0	8.0	8.0
New Haven	All current	7.5	7.0	6.5	6.5	6.0	5.5	5.5	5.5
New Orleans	Service charge					25.0	25.0	25.0	25.0
	First 20 kilowatt hours	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
	Next 30 kilowatt hours	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
New York	Co. A, first 1,000 kilowatt hours.	7.5	7.4	7.2	7.2	7.3	7.0	7.0	7.0
	Co. B, all current	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
	Co. C, first 60 hours' use of demand.	8.5	8.3	7.8	7.8	7.3	7.0	7.0	7.0
Norfolk	First 100 kilowatt hours	9.0	9.0	9.0	9.0	8.5	8.5	8.5	8.5
Omaha	First 10 kilowatt hours per room	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
	Co. A, first 12 kilowatt hours	8.0	8.0	8.0	8.0	8.0	8.0		
Philadelphia	Co. A, minimum charge including first 10 kilowatt hours								75.0
	Next 38 kilowatt hours	7.0	7.0	7.0	7.0	7.0	7.0	6.0	6.0
	Co. B, first 20 kilowatt hours	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
	Next 30 kilowatt hours		8.0	8.0	8.0	8.0	8.0	8.0	8.0
Pittsburgh	First 10 kilowatt hours	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
	Next 20 kilowatt hours	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
Providence	Service charge					50.0	50.0	50.0	50.0
	All current	7.0	6.9	6.8	6.9	6.5	6.5	6.5	6.5
Richmond	First 100 kilowatt hours	9.0	9.0	9.0	9.0	8.5	8.5	8.5	8.5
Rochester	All current	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
St. Paul	First 3 kilowatt hours per room	9.9	9.9	9.9	9.5	9.5	8.6	8.6	8.6
	Next 3 kilowatt hours per room				7.1	7.1	7.1	7.1	7.1
	Excess	6.6	6.6	6.6	2.9	2.9	2.9	2.9	2.9
Salt Lake City	Service charge—consumption of 11 kilowatt hours included.							90.0	90.0
	First 250 kilowatt hours	8.1	8.1	8.1	8.1	8.1	8.1		
	Excess							7.0	7.0
San Francisco	Service charge						40.0	40.0	40.0
	First 30 kilowatt hours for 6 rooms, 5 kilowatt hours for each additional room.	9.0	9.0	9.0	9.0	9.0	6.0	5.0	4.5
	Next 140 kilowatt hours	6.0	6.0	6.0	6.0	2.5	4.0	3.5	3.5
Scranton	First 250 kilowatt hours	10.0	10.0	10.0	10.0	10.0	9.0	9.0	8.0
Seattle	First 40 kilowatt hours	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
Washington, D. C.	All current	10.0	10.0	7.5	7.0	6.3	5.9	5.2	4.7

Source: Bureau of Labor Statistics, Department of Labor.

No. 404.—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. The figures for potential power are estimates showing the 24-hour horsepower available 90 per cent of the time and 50 per cent of the time at an over-all efficiency of 70 per cent at all developed and undeveloped sites. These figures 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 per cent 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	January, 1926	January, 1927	January, 1928	January, 1929	January, 1930	January, 1931	90 per cent of the time	50 per cent of the time
Continental U. S.	**7,827**	**11,177**	**11,721**	**12,296**	**13,572**	**13,808**	**14,885**	**38,110**	**9,166**
New England	1,311	1,485	1,535	1,556	1,654	1,643	1,663	998	1,978
Maine	450	497	526	537	539	541	579	536	1,074
New Hampshire	229	272	277	278	278	278	553	186	350
Vermont	130	193	200	200	200	200	202	80	169
Massachusetts	338	344	354	362	362	362	362	106	235
Rhode Island	30	30	30	30	30	30	30	25	40
Connecticut	134	148	148	148	184	172	171	65	110
Middle Atlantic	1,479	1,995	2,068	2,078	2,123	2,113	2,212	4,373	6,050
New York	1,202	1,750	1,757	1,779	1,814	1,805	1,904	4,010	4,900
New Jersey	17	19	19	19	19	18	18	50	90
Pennsylvania	170	226	280	280	291	291	291	313	1,060
East North Central	739	979	1,010	1,037	1,076	1,075	1,092	742	1,426
Ohio	29	29	30	30	30	30	25	55	106
Indiana	27	56	56	57	57	55	51	45	145
Illinois	85	94	94	94	94	95	96	189	361
Michigan	267	352	355	378	378	379	399	168	274
Wisconsin	331	446	474	477	517	517	519	285	480
West North Central	*444*	*525*	*533*	*542*	*555*	*551*	*537*	*929*	**1,937**
Minnesota	205	267	275	276	293	287	286	203	401
Iowa	173	179	180	184	182	181	182	169	305
Missouri	18	21	21	21	21	23	37	67	152
North Dakota	(1)	(1)	(1)	(1)	(1)	(1)	(1)	82	193
South Dakota	18	20	20	20	20	19	20	121	203
Nebraska	15	21	21	24	24	24	25	183	342
Kansas	15	17	17	17	16	16	16	104	251
South Atlantic	1,082	1,702	1,841	1,987	2,595	2,667	2,918	2,924	5,048
Delaware	3	1	1	1	1	1	1	5	10
Maryland	7	38	38	38	416	416	416	106	238
Dist. of Columbia	1	1	1	5	6	6	6		
Virginia	104	139	138	141	140	126	135	459	812
West Virginia	15	21	91	91	91	89	87	355	980
North Carolina	330	538	543	644	814	947	954	852	1,160
South Carolina	330	514	571	574	574	574	816	555	860
Georgia	286	441	449	463	544	473	482	572	958
Florida	7	9	9	8	9	25	22	20	30
East South Central	241	745	868	966	1,119	1,169	1,364	1,328	2,272
Kentucky	1	34	34	142	142	145	145	172	230
Tennessee	127	174	174	177	177	179	288	654	832
Alabama	113	537	659	646	799	845	931	472	1,050
Mississippi								30	60
West South Central	16	32	32	44	47	49	49	559	1,110
Arkansas	1	16	16	16	16	16	16	200	300
Louisiana								1	2
Oklahoma	2	2	2	2	2	3	3	70	194
Texas	13	14	15	27	29	31	31	288	614
Mountain	827	981	1,030	1,118	1,140	1,185	1,217	10,844	15,552
Montana	344	376	376	378	393	419	420	2,550	3,700
Idaho	224	319	320	355	358	358	357	2,122	4,032
Wyoming	8	10	10	17	17	19	25	704	1,182
Colorado	92	95	96	95	98	98	98	873	1,609
New Mexico	1	2	2	2	2	2	2	110	180
Arizona	39	49	59	104	104	120	137	2,759	2,887
Utah	106	115	153	153	154	156	157	1,420	1,536
Nevada	13	14	13	13	14	14	14	300	370
Pacific	1,789	2,733	2,815	2,988	3,263	3,365	3,568	15,413	23,793
Washington	454	656	657	707	747	766	892	7,145	11,225
Oregon	185	242	242	289	289	299	354	3,665	5,894
California	1,149	1,835	1,917	1,993	2,227	2,301	2,321	4,603	6,674
Outlying areas:									
Alaska		[2] 40	[2] 40	[2] 40	32	36	36	1,000	2,500
Hawaii		32	32	32	[3] 32	[3] 32	[3] 32	19	28
Porto Rico		[2] 15	[2] 15	[2] 15	[2] 15	[2] 15	30	100	200

[1] Less than 500.
[2] Capacity in 1925.
[3] Capacity in 1928.

Source: Geological Survey, Department of the Interior.

19.—PUBLIC ROADS AND MOTOR VEHICLES

No. 405.—RURAL ROADS IN THE UNITED STATES

NOTE.—Mileage data included for county and township roads in 1921 and 1927 to 1929 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. Mileage data in most cases refer to calendar years; there are, however, exceptions in several States. Data relate to continental United States only, except as noted

Item	1921	1923	1925	1927	1928	1929
Mileage at end of year:						
All types	2,941,294	2,995,727	3,006,082	3,013,584	3,016,281	3,024,233
Earth roads	2,553,534	2,556,386	2,484,822	2,424,862	2,390,144	2,361,798
Surfaced roads	387,760	439,341	521,260	588,721	626,137	662,435
Sand-clay, gravel, etc.	263,238	290,143	360,518	433,533	453,982	481,200
Macadam	87,609	100,805	106,432	90,273	94,749	99,426
Sheet asphalt and concrete	22,190	33,983	48,507	59,885	67,399	76,654
Block pavements	[1] 14,723	[1] 14,409	5,803	5,030	5,007	5,065
Mileage built during year:						
All types	110,976	76,238	73,776	86,454	74,783	78,003
Earth roads	69,804	39,895	31,873	33,031	24,318	23,128
Surfaced roads	41,172	36,343	41,903	53,424	50,465	54,875
Sand-clay, gravel, etc.	20,019	22,641	28,784	38,556	34,562	37,240
Macadam	5,413	9,665	6,000	7,484	7,617	8,545
Sheet asphalt and concrete	6,037	6,626	6,798	7,246	8,148	8,968
Block pavements	[2] 703	[2] 410	252	138	138	122
Mileage of State highway systems at end of year: [3]						
All types		251,611	274,911	293,353	306,442	314,136
Earth roads		140,211	130,057	110,786	113,304	105,812
Surfaced roads		111,400	144,854	176,566	193,138	208,324
Sand-clay, gravel, etc.		53,909	79,796	98,675	106,023	113,280
Macadam		27,151	28,814	31,248	33,342	33,974
Sheet asphalt and concrete		22,475	33,050	43,313	49,847	57,804
Block pavements		2,865	3,185	3,330	3,326	3,266
Mileage of State highway systems built during year: [3]						
All types		20,311	23,152	26,722	29,252	32,522
Earth roads		5,814	5,316	7,151	8,675	7,451
Surfaced roads		14,496	17,836	19,572	20,577	25,071
Sand-clay, gravel, etc.		7,852	10,005	11,132	10,823	14,582
Macadam		2,007	2,144	2,812	2,985	2,842
Sheet asphalt and concrete		4,389	5,540	5,559	6,653	7,547
Block pavements		[4] 248	146	69	116	100
Funds available for rural road purposes during year, all authorities (1,000 dollars):						
Total	1,149,438	1,199,432	1,560,994	1,941,221	2,043,711	2,148,305
Proceeds of bonds	438,109	216,969	285,815	272,000	271,706	271,864
Federal aid [5]	79,333	72,343	92,180	80,400	80,798	77,573
Motor vehicle fees and gasoline taxes	122,626	202,804	360,553	516,774	597,511	687,730
Other taxes and appropriations	415,680	416,038	467,705	527,477	553,186	560,908
All other sources	93,689	291,278	354,741	544,451	540,510	550,229
Expenditures for rural roads and bridges (1,000 dollars):						
All roads, by all authorities	1,036,588	996,781	1,288,940	1,448,121	1,659,692	1,718,200
Construction	626,965	518,293	651,933	689,219	818,609	813,982
Maintenance	248,593	265,898	315,877	376,754	418,632	433,538
Principal and interest of bonds	89,281	45,914	176,415	244,886	247,742	272,529
Equipment and miscellaneous	71,748	166,677	144,715	137,263	174,709	198,151
By or under supervision of State highway departments, incl. Federal aid	413,242	447,362	649,125	699,875	827,550	910,485
Highway construction under Federal aid: [6]						
Completed mileage end of year		27,212	52,016	64,620	76,075	82,380
Projects under construction—						
Miles		18,648	10,978	13,433	9,216	8,735
Total cost (1,000 dollars)		350,550	264,113	353,497	230,649	217,013
Federal aid (1,000 dollars)		164,389	111,284	145,627	91,343	89,219
Projects approved for construction—						
Miles	1,830	2,109	1,794	1,413	1,598	1,400
Total cost (1,000 dollars)	48,609	42,360	44,638	34,751	32,434	29,340
Federal aid (1,000 dollars)	19,262	16,618	15,356	12,896	12,819	9,942
Federal-aid fund available for new projects (1,000 dollars)		70,636	119,771	110,803	101,372	99,881

[1] Includes miscellaneous roads, as follows: 1921, 11,303 miles; 1923, 9,975 miles.
[2] Includes miscellaneous roads, as follows: 1921, 368 miles; 1923, 46 miles.
[3] Data for total United States not compiled in 1921.
[4] Includes 16 miles miscellaneous roads.
[5] For road and bridge purposes under supervision of State highway department only.
[6] Includes data for Hawaii, as follows: Completed mileage, beginning 1927; projects under construction (all items), beginning 1925; projects approved for construction (all items), 1929; Federal-aid fund for new projects, beginning 1925.

Source: Bureau of Public Roads, Department of Agriculture.

No. 406.—RURAL ROAD MILEAGE AS OF DECEMBER 31

NOTE.—Lack of accurate information in the earlier years accounts for the fact that in some of the States the total road mileage reported is considerably greater than in the preceding year shown, while mileage of surfaced roads is less. Figures include county and township roads and also State highway systems

Division and State	All types					Surfaced roads				
	1914	1921	1927	1928	1929	1914	1921	1927	1928	1929
Continental U. S.	2,445,761	2,941,294	3,013,584	3,016,281	3,024,233	257,292	387,760	588,721	[1] 626,137	662,435
New England	86,718	88,295	88,936	88,646	88,668	18,038	17,725	24,631	25,919	27,465
Maine	23,537	21,483	21,002	21,002	21,002	2,762	2,953	4,832	5,293	5,777
New Hampshire	14,020	13,841	12,025	12,028	12,035	1,660	1,692	2,391	2,546	2,784
Vermont	14,249	14,677	15,036	15,041	15,042	1,442	3,545	4,691	4,857	4,983
Massachusetts	18,681	18,868	19,348	18,941	18,762	8,506	6,575	8,485	8,783	9,324
Rhode Island	2,170	2,274	2,338	2,599	2,682	693	754	853	990	1,025
Connecticut	14,061	12,152	13,987	14,035	14,145	2,975	2,206	3,379	3,450	3,572
Middle Atlantic	185,771	186,935	187,407	187,825	193,666	31,516	38,946	62,071	64,748	67,935
New York	79,308	81,878	79,489	80,107	[1] 85,783	15,636	18,566	29,481	31,113	[1] 32,713
New Jersey	14,817	14,066	16,677	17,022	17,207	5,897	6,459	8,057	8,734	9,077
Pennsylvania	91,556	90,991	91,241	90,696	90,676	9,983	13,921	24,533	24,901	26,145
East North Central	405,245	412,753	416,526	418,531	417,931	94,365	124,298	160,664	168,210	174,160
Ohio	86,354	84,219	84,753	84,999	84,553	30,569	36,068	43,977	46,245	48,503
Indiana	73,347	76,246	73,609	73,609	73,661	30,962	30,857	50,284	50,995	51,314
Illinois	95,647	96,326	97,620	97,619	97,287	11,606	11,473	18,118	20,032	21,375
Michigan	74,190	77,283	81,016	81,015	81,015	7,829	17,186	22,493	24,167	25,143
Wisconsin	75,707	78,679	79,528	81,289	81,415	13,399	19,714	25,792	26,771	27,815
West North Central	660,058	759,820	774,637	778,016	777,753	14,968	30,223	69,989	78,762	87,384
Minnesota	93,517	107,103	110,249	110,447	110,553	3,968	16,905	32,390	34,223	35,501
Iowa	104,074	104,082	103,634	103,707	103,328	615	2,585	11,811	15,191	18,021
Missouri	96,041	111,520	110,547	110,592	110,592	6,713	7,879	11,739	12,319	13,074
North Dakota	68,796	106,523	106,794	106,839	106,850	955	710	2,366	2,953	3,592
South Dakota	96,306	115,485	120,265	120,274	120,275	363	548	4,087	4,840	6,147
Nebraska	80,272	86,556	93,902	93,912	93,911	1,205	496	3,979	4,651	5,364
Kansas	111,052	128,551	129,246	132,245	132,244	1,149	1,100	3,608	4,585	5,685
South Atlantic	297,193	365,567	366,545	370,928	373,819	32,154	61,178	89,541	95,384	100,840
Delaware	3,674	3,933	3,796	3,797	3,777	244	448	927	1,094	1,180
Maryland	16,459	14,772	14,711	14,735	14,733	2,489	3,663	5,307	5,493	5,704
Virginia	53,388	59,080	57,535	59,698	59,698	3,910	7,260	11,192	11,897	12,327
West Virginia	32,024	35,173	34,799	34,799	34,799	1,065	1,367	3,713	3,917	4,450
North Carolina	50,758	68,204	71,530	71,529	71,529	6,004	16,755	27,811	28,345	29,649
South Carolina	42,226	61,850	56,120	57,093	57,678	3,270	6,908	13,841	16,648	17,576
Georgia	80,669	94,912	98,462	99,537	[1] 101,422	12,342	18,339	13,015	13,972	[1] 14,831
Florida	17,995	27,643	29,583	29,740	30,183	2,830	6,438	13,735	14,018	15,123
East South Central	205,191	242,745	246,232	250,590	258,790	27,626	41,478	58,931	61,187	66,635
Kentucky	57,916	68,704	61,261	61,261	61,261	12,403	15,436	15,619	16,130	17,030
Tennessee	40,050	62,546	64,490	65,063	[1] 67,635	8,102	9,873	12,521	13,538	[1] 15,184
Alabama	55,445	68,410	63,706	66,594	[1] 67,943	4,988	10,420	18,204	17,370	[1] 18,369
Mississippi	45,779	53,085	56,775	57,672	[1] 61,957	2,133	5,744	12,587	14,149	[1] 16,112
West South Central	312,182	416,617	419,858	419,441	412,639	13,815	23,986	42,187	48,436	49,896
Arkansas	50,743	74,866	74,545	74,757	[1] 68,506	1,098	3,871	6,269	6,779	[1] 7,958
Louisiana	24,563	39,803	33,120	35,493	35,553	2,068	2,771	9,501	10,731	11,152
Oklahoma	107,916	[2] 134,263	123,627	120,627	120,700	122	2,461	3,300	3,711	4,774
Texas	128,960	167,685	188,564	188,564	187,870	10,527	14,883	23,117	25,215	26,012
Mountain	163,117	306,382	334,795	332,172	333,379	4,881	15,539	28,574	32,010	33,848
Montana	39,204	64,732	66,881	66,931	67,072	609	1,772	2,799	3,178	3,437
Idaho	24,396	31,099	37,349	39,093	39,137	679	2,982	7,940	8,487	8,884
Wyoming	14,707	46,528	45,328	41,183	41,158	408	440	1,361	1,604	1,760
Colorado	30,780	48,143	68,279	68,305	68,974	1,194	4,598	6,383	6,952	7,157
New Mexico	11,873	45,549	48,217	48,332	[1] 47,785	262	1,802	2,144	2,361	[1] 2,539
Arizona	12,075	21,227	21,666	21,849	22,284	253	1,233	3,150	3,421	3,597
Utah	8,810	23,047	23,416	23,437	23,429	1,154	2,544	3,001	3,996	4,237
Nevada	12,182	26,057	23,659	23,042	23,540	262	168	1,796	2,011	2,237
Pacific	140,286	167,180	183,649	175,132	172,532	19,928	34,387	52,135	53,481	54,222
Washington	42,428	45,816	46,835	43,895	43,922	4,922	12,062	16,655	16,406	16,718
Oregon	36,819	45,475	51,658	51,633	51,646	4,726	8,050	11,815	11,995	12,123
California	61,039	75,889	85,156	79,604	[1] 76,964	10,280	14,275	23,665	25,080	[1] 25,381

[1] Variation from the preceding year partly because of more accurate survey of local road mileage.
[2] 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. 407.—RURAL ROAD MILEAGE AS OF DECEMBER 31, 1929, AND CONSTRUCTION OF ROADS DURING 1927, 1928, AND 1929

NOTE.—Figures include county and township roads and also State highway systems

Division and State	Existing mileage, end of year 1929							Mileage graded and drained and mileage surfaced during—		
	Total, all types	Earth roads	Surfaced roads							
			Total	Sand-clay, gravel, etc.	Macadam	Sheet asphalt and concrete	Block pavements	1927 [1]	1928 [1]	1929 [1]
Continental U.S.	3,024,233	2,361,798	662,435	481,290	99,426	76,654	5,065	86,454	74,783	78,003
New England	83,668	56,203	27,465	19,156	5,897	2,335	27	1,554	2,006	2,075
Maine	21,002	15,225	5,777	5,339	277	110	1	449	498	524
New Hampshire	12,035	9,251	2,784	2,289	319	176	-------	179	223	315
Vermont	15,042	10,059	4,983	4,651	118	214	-------	306	219	202
Massachusetts	18,762	9,438	9,324	5,258	3,076	970	20	387	684	658
Rhode Island	2,682	1,657	1,025	277	509	236	3	88	181	201
Connecticut	14,145	10,573	3,572	1,292	1,598	679	3	145	201	175
Middle Atlantic	193,668	125,731	67,935	25,349	25,883	15,547	1,156	4,339	3,814	4,937
New York	[2] 85,783	53,070	32,713	8,720	17,571	6,094	258	2,166	2,033	2,486
New Jersey	17,207	8,130	9,077	4,003	2,000	2,971	103	534	940	1,003
Pennsylvania	90,676	64,531	26,145	12,556	6,312	6,482	795	1,639	841	1,498
East North Central	417,931	243,781	174,150	129,343	20,087	22,527	2,193	17,795	13,999	14,908
Ohio	84,553	36,050	48,503	31,278	12,516	3,014	1,695	4,175	3,226	3,674
Indiana	73,661	22,347	51,314	44,409	3,069	3,512	234	1,351	1,524	1,336
Illinois	97,287	75,912	21,375	12,394	534	8,204	243	1,367	2,120	1,610
Michigan	81,015	55,872	25,143	18,326	2,252	4,546	19	1,494	2,050	1,911
Wisconsin	81,415	53,600	27,815	22,876	1,686	3,251	2	9,408	5,079	6,377
West North Central	777,753	690,369	87,384	78,082	1,909	7,107	286	23,711	20,577	22,037
Minnesota	110,553	75,052	35,501	34,107	96	1,280	18	5,803	5,030	5,592
Iowa	103,328	85,307	18,021	15,519	-------	2,469	33	3,699	4,493	3,928
Missouri	110,592	97,518	13,074	9,184	1,548	2,321	21	1,080	1,379	2,003
North Dakota	106,850	103,258	3,592	3,581	-------	11	-------	1,152	1,366	1,202
South Dakota	120,275	114,128	6,147	6,118	7	22	-------	6,113	2,943	3,052
Nebraska	93,911	88,547	5,364	5,065	7	230	53	3,416	2,437	2,172
Kansas	132,244	126,559	5,685	4,508	251	765	161	2,448	2,929	4,088
South Atlantic	373,819	272,979	100,840	70,731	17,591	11,433	1,085	11,998	10,086	7,993
Delaware	3,777	2,597	1,180	194	301	678	7	52	264	161
Maryland	14,733	9,029	5,704	2,205	2,125	1,372	2	366	347	399
Virginia	59,698	47,371	12,327	7,981	3,734	912	-------	950	640	662
West Virginia	34,799	30,349	4,450	1,219	1,953	1,079	199	1,168	1,271	1,151
North Carolina	71,529	41,880	29,649	24,630	1,314	3,635	70	2,629	1,531	1,622
South Carolina	57,678	40,102	17,576	16,118	68	1,387	3	1,318	2,475	1,831
Georgia	[2] 101,422	86,591	14,831	12,990	832	1,006	3	2,549	966	[3] 952
Florida	30,183	15,060	15,123	5,694	7,264	1,364	801	2,966	2,583	1,215
East South Central	258,796	192,101	66,695	47,940	16,169	2,529	57	9,409	5,782	7,567
Kentucky	61,261	44,231	17,030	6,380	10,267	357	26	1,703	1,537	1,473
Tennessee	[2] 67,635	52,451	15,184	9,007	5,273	904	-------	2,143	1,259	1,963
Alabama	[2] 67,943	49,574	18,369	17,179	492	692	6	1,159	1,097	2,017
Mississippi	[2] 61,957	45,845	16,112	15,374	137	576	25	1,404	1,789	2,114
West South Central	412,689	362,793	49,896	42,852	2,454	4,684	106	6,320	7,640	6,930
Arkansas	[2] 68,506	60,548	7,958	6,880	357	721	-------	1,155	1,843	2,440
Louisiana	35,553	24,401	11,152	10,893	39	205	15	1,914	763	600
Oklahoma	120,760	115,986	4,774	3,334	13	1,301	36	1,233	1,298	1,058
Texas	187,870	161,858	26,012	21,545	2,045	2,367	55	2,018	3,736	2,823
Mountain	333,379	299,531	33,848	31,753	304	1,731	-------	4,799	6,813	6,577
Montana	67,072	63,635	3,437	3,386	10	41	-------	281	622	664
Idaho	39,137	30,253	8,884	8,568	67	249	-------	1,598	1,721	1,252
Wyoming	41,158	39,398	1,760	1,725	-------	35	-------	464	650	549
Colorado	68,974	61,817	7,157	6,799	-------	358	-------	765	602	1,404
New Mexico	[2] 47,785	45,246	2,539	2,455	-------	84	-------	864	1,066	1,287
Arizona	22,284	18,687	3,597	3,002	49	546	-------	236	612	437
Utah	23,429	19,192	4,237	3,667	207	363	-------	372	1,052	492
Nevada	23,540	21,303	2,237	2,151	31	55	-------	219	488	522
Pacific	172,532	118,310	54,222	38,284	9,072	8,711	155	9,531	4,060	4,929
Washington	43,922	27,204	16,718	13,141	1,780	1,642	155	3,367	439	407
Oregon	51,646	39,523	12,123	9,433	1,273	1,417	-------	475	533	689
California	[2] 76,964	51,583	25,381	13,710	6,019	5,652	-------	5,689	3,094	3,833

[1] Surfaced mileage includes both new surfacing and reconstructed surfacing.
[2] Variation from total mileage reported in 1928 owing largely to more accurate survey of local road mileage.
[3] Data included for State highway systems cover 6 months only, Jan. 1 to June 30, as fiscal year was changed to end June 30.

Source: Bureau of Public Roads, Department of Agriculture.

No. 408.—ROAD MILEAGE IN STATE HIGHWAY SYSTEMS AS OF DECEMBER 31, 1929

NOTE.—These statistics relate only to highways maintained wholly or in part by State governments, not including those maintained only by county or local governments

Division and State	Total, all types	Earth roads	Surfaced roads				
			Total	Sand, clay, gravel, etc.	Macadam	Sheet asphalt and concrete	Block pavements
Continental United States	314,136	105,812	208,324	113,280	33,974	57,804	3,266
New England	13,421	1,639	11,782	6,866	3,127	1,785	4
Maine	2,041	208	1,833	1,479	248	106	
New Hampshire	2,403	174	2,289	1,832	284	173	
Vermont	4,217	732	3,485	3,157	117	211	
Massachusetts [1]	1,625		1,625	66	1,063	493	3
Rhode Island	952	419	533	23	289	221	
Connecticut [2]	2,123	106	2,017	309	1,126	581	1
Middle Atlantic	29,090	6,577	22,513	907	9,284	11,645	677
New York	13,959	3,051	10,908	121	5,565	4,964	258
New Jersey	1,821	62	1,759	200	147	1,301	51
Pennsylvania	13,310	3,464	9,846	526	3,572	5,380	368
East North Central	43,904	5,171	38,733	14,240	6,004	16,824	1,665
Ohio [3]	11,066	215	10,851	4,032	3,197	2,179	1,443
Indiana	5,003	41	4,962	1,534	1,356	1,989	83
Illinois	9,889	2,988	6,901		4	6,772	125
Michigan	7,725	586	7,139	3,488	652	2,987	12
Wisconsin	10,221	1,341	8,880	5,186	795	2,897	2
West North Central	52,428	20,961	31,467	24,240	295	6,650	282
Minnesota [1]	6,955	232	6,723	5,575		1,130	18
Iowa	7,206	1,384	5,822	3,337		2,452	33
Missouri	7,827	3,000	4,827	2,529	143	2,134	21
North Dakota	7,396	4,573	2,823	2,812		11	
South Dakota	5,983	2,365	3,618	3,589	7	22	
Nebraska	8,371	4,181	4,190	3,040		199	51
Kansas	8,690	5,226	3,464	2,458	145	702	159
South Atlantic	41,674	10,710	30,964	13,819	7,388	9,304	475
Delaware	756		756	43	53	654	6
Maryland [4]	2,831		2,831	433	1,147	1,240	2
Virginia	6,932	1,949	4,983	2,197	2,026	760	
West Virginia	4,055	1,321	2,734	845	985	771	133
North Carolina	8,309	976	7,333	3,329	717	3,242	45
South Carolina	5,981	1,090	4,891	3,592	54	1,245	
Georgia [3]	6,290	2,436	3,854	2,579	504	770	1
Florida	6,520	2,938	3,582	801	1,880	613	288
East South Central	33,528	14,892	18,936	11,650	5,101	2,140	45
Kentucky	11,500	5,972	5,528	2,072	3,103	327	26
Tennessee [2]	6,751	1,745	5,006	2,355	1,791	860	
Alabama [4]	5,539	2,247	3,292	2,597	145	550	
Mississippi	10,038	4,928	5,110	4,626	62	403	19
West South Central	41,889	15,452	26,437	20,131	1,865	4,335	106
Arkansas	8,467	2,452	6,015	4,996	304	715	
Louisiana	9,113	2,515	6,598	6,363	23	197	15
Oklahoma	6,275	3,347	2,928	1,611		1,281	36
Texas [5]	18,034	7,138	10,896	7,161	1,538	2,142	55
Mountain	43,656	28,807	16,849	15,312	282	1,255	
Montana	8,148	6,635	1,513	1,466	6	41	
Idaho	4,246	1,761	2,484	2,260	22	202	
Wyoming	3,052	1,628	1,424	1,389		35	
Colorado	9,203	5,011	4,192	3,840		352	
New Mexico	9,343	7,147	2,196	2,112		84	
Arizona	2,476	791	1,685	1,458	24	203	
Utah	3,448	1,653	1,795	1,305	205	285	
Nevada	3,741	2,181	1,560	1,482	25	53	
Pacific	14,246	3,603	10,643	6,115	650	3,863	12
Washington	3,289	444	2,845	2,041	32	760	12
Oregon	4,381	838	3,543	2,480	164	899	
California	6,576	2,321	4,255	1,594	454	2,207	

[1] Mileage as of Nov. 30, 1929.
[2] Mileage as of June 30, 1929.
[3] Data partly estimated and subject to revision.
[4] Mileage as of Sept. 30, 1929.
[5] Data revised.

Source: Bureau of Public Roads, Department of Agriculture.

No. 409—CONSTRUCTION OF ROADS IN STATE HIGHWAY SYSTEMS DURING 1928 AND 1929

NOTE.—Highways under control of State highway departments only. Data in most cases refer to calendar years

Division and State	Mileage built during 1929								Mileage built during 1928	
	Total, all types	Earth, improved, graded, and drained	Surfaced roads						Total, all types	Surfaced roads
			Total	New	Reconstructed	Sand-clay and gravel	Macadam	Paved		
Continental U. S.	32,522	7,451	25,071	14,014	11,057	14,582	2,842	7,647	29,252	20,577
New England	824	6	881	440	378	320	288	210	821	819
Maine	107		107	66	41	86	11	10	108	108
New Hampshire	198	3	195	124	71	126	14	55	148	146
Vermont	167		167	101	66	107		60	183	183
Massachusetts	159		159	21	138		123	36	149	149
Rhode Island	35		35	21	14		24	11	49	49
Connecticut	158	3	155	107	48	1	116	38	184	184
Middle Atlantic	1,638	69	1,569	755	814	137	155	1,277	867	825
New York	862	21	841	331	510	19	147	675	743	705
New Jersey	169	9	160	78	82	9	8	143	94	90
Pennsylvania	607	39	568	346	222	109		459	[1] 30	[1] 30
East North Central	5,106	471	4,635	1,432	3,203	2,282	442	1,931	4,524	3,816
Ohio	435	70	365	241	124	46	87	232	928	855
Indiana	508	16	492	141	351	76	93	323	650	414
Illinois	799	175	624	619	5			624	1,344	1,070
Michigan	678	48	630	193	437	106	112	412	763	678
Wisconsin	2,686	162	2,524	238	2,286	2,054	150	340	830	799
West North Central	9,200	2,148	7,052	4,009	3,043	5,441	76	1,535	7,643	4,825
Minnesota	2,265	357	1,908	482	1,426	1,797		111	1,243	1,039
Iowa	1,282	182	1,050	643	407	311		739	1,345	1,038
Missouri	1,083	270	813	609	204	314	48	451	571	355
North Dakota	1,069	398	671	568	103	670		1	1,230	671
South Dakota	459	186	273	231	42	259	2	12	812	532
Nebraska	569	125	444	313	131	356		88	657	444
Kansas	2,523	630	1,893	1,163	730	1,734	26	133	1,785	746
South Atlantic	3,325	478	2,847	1,927	920	1,042	713	1,092	3,183	2,409
Delaware	53		53	53		19		34	61	61
Maryland	189		189	162	27	32	21	136	149	149
Virginia	314	31	283	283		77	113	93	217	154
West Virginia	493	55	438	287	151	148	205	85	368	204
North Carolina	602	70	532	263	270	360	44	128	453	453
South Carolina	920	118	802	412	390	305	5	492	656	583
Georgia [2]	213	80	133	83	50	13	64	56	709	557
Florida	541	124	417	394	23	88	261	68	570	248
East South Central	3,159	889	2,270	1,538	732	949	827	494	2,583	1,731
Kentucky	869	212	657	454	203	173	477	7	1,021	587
Tennessee	862	257	605	353	252	29	296	280	516	320
Alabama	1,256	302	864	617	247	623	54	187	660	581
Mississippi	172	28	144	114	30	124		20	366	243
West South Central	4,618	1,745	2,873	2,542	331	1,915	78	880	4,915	2,891
Arkansas	2,119	620	1,499	1,284	215	1,374		125	1,673	739
Louisiana	448	68	380	351	29	350	7	23	288	242
Oklahoma	503	235	268	225	43	51		217	598	202
Texas	1,548	822	726	682	44	140	71	515	2,356	1,708
Mountain	3,118	1,412	1,706	981	725	1,549	130	27	3,466	2,218
Montana	414	153	261	162	99	261			322	284
Idaho	272	29	243	66	177	243			701	611
Wyoming	283	109	174	139	35	174			586	308
Colorado	167	35	132	95	37	122		10	146	138
New Mexico	1,287	924	363	186	177	353		10	1,052	264
Arizona	186	132	54	38	16	54			135	125
Utah	359	30	329	166	163	192	130	7	305	277
Nevada	150		150	129	21	150			219	211
Pacific	1,534	233	1,301	390	911	967	133	201	1,270	1,043
Washington	257	96	161	108	53	108		53	239	137
Oregon	489	55	434	53	381	374	52	8	333	263
California	788	82	706	229	477	485	81	140	608	643

[1] Data cover 4½ months ended May 15, 1928. [2] Data for 1929 cover 6 months ended June 30.

Source: Bureau of Public Roads, Department of Agriculture.

No. 410.—EXPENDITURES FOR RURAL HIGHWAYS BY OR UNDER SUPERVISION OF STATE HIGHWAY DEPARTMENTS, INCLUDING FEDERAL AID

NOTE.—Figures include expenditures, whether from current revenues or the proceeds of loans, for construction, maintenance, and interest and principal payments on highway bonds

Division and State	Year in which first State aid law passed	1914	1919	1921	1923	1925	1926	1927	1928	1929
		Thousands of dollars								
Continental U. S.		24,221	106,861	413,242	447,362	649,125	621,744	699,875	827,550	910,485
New England		2,967	11,046	26,758	31,503	39,289	45,178	51,735	59,811	73,425
Maine	1901	467	1,739	7,372	6,149	7,105	10,279	8,684	[1] 11,052	14,006
New Hampshire	1903	492	1,361	2,360	2,903	4,027	3,017	3,565	5,553	[2] 7,713
Vermont	1898	458	901	951	2,880	3,618	3,713	4,080	5,762	12,516
Massachusetts	1892	243	3,620	7,804	10,514	12,331	13,794	18,380	16,478	20,180
Rhode Island	1902		1,132	2,213	2,052	3,046	3,871	4,242	4,548	5,412
Connecticut	1895	1,307	2,293	5,998	6,915	8,612	10,504	12,784	16,419	13,593
Middle Atlantic		11,827	36,754	101,477	73,316	135,603	117,072	136,625	151,598	171,495
New York	1898	8,544	13,714	36,857	38,128	49,369	41,781	58,798	62,503	69,664
New Jersey	1891	1,307	6,320	15,008	12,032	23,939	24,378	27,763	32,479	41,397
Pennsylvania	1903	1,977	16,719	49,612	23,156	62,294	50,913	50,064	56,616	60,434
East North Central		4,383	16,717	68,512	78,834	118,903	104,321	106,712	160,563	180,363
Ohio	1904	1,855	4,604	15,547	12,876	24,086	29,496	18,214	33,953	30,281
Indiana	1917		401	8,110	9,276	14,518	12,429	14,798	16,544	20,678
Illinois	1905	388	4,404	15,693	30,994	36,376	24,267	30,270	53,472	39,728
Michigan	1905	657	4,246	16,744	15,586	36,139	25,998	25,883	36,578	48,666
Wisconsin	1911	1,482	3,063	12,417	8,102	7,785	12,131	17,547	20,017	21,010
West North Central		1,670	5,686	47,144	64,700	84,876	88,723	101,852	104,993	123,547
Minnesota	1905	1,310	2,691	7,480	10,853	17,963	17,979	17,337	18,412	23,366
Iowa	1904	74	614	18,276	17,980	14,108	15,272	24,077	37,255	36,084
Missouri	1907	277	684	4,727	19,589	31,594	30,841	25,996	18,981	28,321
North Dakota	1909		233	1,030	1,082	1,862	1,978	4,567	3,564	4,129
South Dakota	1911		319	4,738	2,466	6,378	5,843	4,862	5,893	6,168
Nebraska	1911		1,098	4,836	5,775	5,504	7,639	8,004	6,984	8,467
Kansas	1911	9	48	6,058	6,955	7,407	9,171	16,509	13,904	17,012
South Atlantic		916	7,217	51,181	79,792	103,836	113,651	133,328	121,189	113,712
Delaware	1903	31	1,147	3,765	3,748	3,403	3,469	3,480	3,377	5,203
Maryland	1898	357	2,237	7,616	7,762	12,025	10,598	[3] 10,598	10,668	13,617
Virginia	1906	524	2,262	7,114	9,849	14,072	12,014	14,714	14,448	14,214
West Virginia	1909		480	1,877	15,665	16,139	17,492	19,311	16,224	19,184
North Carolina	1901	5	1,010	15,100	28,148	32,589	37,216	33,144	28,301	24,902
South Carolina	1917		80	3,941	4,522	9,133	9,640	13,410	21,099	18,581
Georgia	1908			9,664	5,475	7,902	9,565	15,114	12,728	7,039
Florida	1915		[4]	2,103	4,623	8,484	13,057	23,557	14,343	10,967
East South Central		188	1,826	16,621	19,588	45,008	38,845	44,734	60,329	68,942
Kentucky	1912	18	926	5,757	6,437	14,916	9,820	11,484	[5] 14,766	15,130
Tennessee	1915		794	6,328	4,158	14,379	14,037	16,003	19,172	29,741
Alabama	1911	170	65	1,036	5,117	10,917	10,290	10,766	20,110	19,317
Mississippi	1916		40	3,500	2,876	4,795	4,698	6,481	6,281	4,754
West South Central		276	3,360	33,952	40,029	52,733	50,205	58,119	84,901	104,613
Arkansas	1913	115	585	7,055	11,924	11,200	9,563	14,532	31,784	40,971
Louisiana	1910	161	[4]	5,347	6,032	8,611	10,563	10,753	11,157	17,143
Oklahoma	1911		2,125	4,775	5,731	12,938	10,420	12,816	13,251	11,969
Texas	1917		650	16,775	16,293	19,985	19,659	20,018	28,710	34,530
Mountain		638	8,870	28,002	24,747	27,337	23,610	27,318	35,089	37,003
Montana	1913	14	397	3,640	1,454	1,267	1,155	1,541	3,863	4,488
Idaho	1905	50	850	4,863	2,534	3,637	4,191	3,847	5,413	3,365
Wyoming	1911		771	3,701	3,877	3,973	2,974	2,873	3,600	3,123
Colorado	1909	301	1,775	4,156	5,741	5,565	5,850	5,232	6,957	7,142
New Mexico	1909	116	839	3,713	3,205	3,323	2,928	5,089	6,603	6,675
Arizona	1909		1,451	2,948	2,884	2,443	2,565	2,608	2,443	4,873
Utah	1909	158	2,445	3,391	2,709	4,124	2,448	3,929	3,992	4,545
Nevada	1911		342	1,590	2,343	3,056	1,699	2,199	2,167	2,797
Pacific		1,354	15,386	39,596	37,854	41,490	39,938	39,450	49,126	57,382
Washington	1905	1,343	2,895	9,970	7,169	7,846	8,825	8,623	13,893	15,702
Oregon	1913	11	5,923	18,246	10,786	15,553	10,018	10,263	10,268	11,328
California	1895		6,568	11,380	19,899	18,091	21,095	20,559	24,965	30,352

[1] Excludes expenditures of $1,065,000 in cities under supervision of State highway department.
[2] Excludes expenditures of $2,462,000 for flood relief work.
[3] Data are for 1926.
[4] Data not available.
[5] Data cover July 1 to Mar. 31, as fiscal year was changed.

Source: Bureau of Public Roads, Department of Agriculture.

No. 411.—EXPENDITURES FOR RURAL HIGHWAYS: CONSOLIDATED DATA FOR ALL STATES, COUNTIES, TOWNSHIPS, AND DISTRICTS (APPROXIMATE)

NOTE.—All figures in thousands of dollars. For the items entering into the totals see Table 413

Division and State	1914	1919	1921	1923	1925	1926	1927	1928	1929
Continental U. S.	240, 264	389, 456	1, 036, 588	996, 781	1, 288, 940	1,300,546	1, 448, 121	1, 659, 692	1, 718, 200
New England	15, 426	25, 462	45, 381	40, 381	63, 080	69, 183	76, 440	85, 173	100, 493
Maine	2, 642	4, 625	8, 702	8, 084	11, 003	12, 923	11, 384	[1] 13, 852	16, 806
New Hampshire	1, 500	2, 882	3, 699	4, 288	5, 589	4, 968	5, 772	9, 456	[2] 12, 094
Vermont	1, 024	2, 140	2, 150	3, 030	4, 693	4, 706	5, 080	6, 802	13, 508
Massachusetts	6, 092	10, 225	19, 536	12, 161	26, 881	28, 144	33, 262	29, 962	34, 644
Rhode Island	446	1, 847	2, 828	2, 878	3, 894	4, 883	5, 196	5, 550	6, 434
Connecticut	3, 641	3, 844	8, 446	9, 341	11, 021	13, 559	15, 746	19, 550	16, 947
Middle Atlantic	40, 865	67, 990	160, 471	130, 125	247, 348	226, 098	258, 528	286, 673	303, 831
New York	23, 232	24, 448	57, 025	52, 422	89, 383	69, 543	98, 798	110, 940	114, 664
New Jersey	7, 208	15, 320	28, 096	20, 116	55, 470	50, 716	54, 951	58, 300	65, 351
Pennsylvania	10, 425	28, 222	75, 350	57, 587	102, 494	105, 839	104, 779	117, 434	123, 816
East North Central	56, 445	83, 621	267, 988	254, 123	260, 899	281, 642	302, 045	336, 908	379, 646
Ohio	14, 334	18, 213	76, 580	62, 876	73, 626	83, 043	80, 580	103, 564	99, 844
Indiana	14, 234	18, 702	54, 502	54, 525	49, 991	49, 810	52, 023	58, 670	60, 897
Illinois	8, 735	16, 524	39, 619	55, 451	45, 154	50, 453	57, 931	83, 675	70, 039
Michigan	9, 262	16, 525	55, 573	37, 691	60, 847	62, 517	66, 576	88, 101	97, 623
Wisconsin	9, 880	13, 657	41, 714	43, 580	31, 281	35, 819	44, 935	52, 998	51, 243
West North Central	33, 120	64, 779	148, 866	152, 413	176, 603	171, 548	197, 794	209, 624	230, 379
Minnesota	6, 459	13, 223	38, 780	35, 327	44, 352	37, 815	41, 283	42, 576	48, 559
Iowa	10, 188	16, 773	39, 325	34, 338	33, 161	34, 521	48, 351	62, 024	62, 210
Missouri	5, 513	7, 724	16, 128	31, 177	41, 224	41, 058	37, 172	31, 769	44, 625
North Dakota	2, 402	6, 236	7, 247	5, 751	6, 210	6, 340	8, 797	7, 930	9, 271
South Dakota	1, 218	4, 244	14, 189	10, 105	13, 056	13, 319	11, 085	13, 923	14, 011
Nebraska	1, 796	5, 551	10, 528	14, 246	16, 041	15, 688	16, 909	16, 253	19, 615
Kansas	5, 544	11, 027	22, 670	20, 969	22, 560	22, 807	34, 197	35, 143	41, 082
South Atlantic	24, 429	35, 458	106, 057	151, 858	192, 389	229, 594	263, 194	244, 385	218, 909
Delaware	512	1, 994	6, 036	5, 432	6, 161	5, 077	5, 148	4, 887	7, 130
Maryland	6, 001	6, 965	10, 298	12, 945	15, 553	14, 213	14, 565	15, 656	18, 982
Virginia	3, 225	5, 140	15, 485	18, 849	22, 578	22, 230	25, 368	24, 540	23, 188
West Virginia	2, 484	5, 290	10, 060	25, 605	20, 098	32, 030	32, 681	29, 888	32, 748
North Carolina	5, 215	6, 717	29, 324	43, 143	46, 709	59, 618	58, 865	57, 306	49, 283
South Carolina	1, 024	2, 435	10, 049	9, 437	19, 652	16, 855	19, 767	36, 116	38, 497
Georgia	3, 688	6, 917	15, 817	16, 506	20, 940	20, 576	29, 450	29, 109	19, 193
Florida	2, 280	[3]	9, 588	19, 876	31, 608	58, 995	77, 350	46, 792	29, 885
East South Central	12, 755	12, 974	51, 236	58, 860	97, 015	81, 036	91, 418	124, 476	127, 598
Kentucky	2, 475	3, 803	12, 623	15, 647	22, 118	16, 284	18, 383	[4] 24, 507	25, 255
Tennessee	2, 371	4, 468	12, 697	14, 566	31, 124	23, 354	27, 152	37, 798	42, 882
Alabama	3, 949	1, 812	5, 608	14, 503	18, 866	19, 006	21, 272	31, 535	32, 019
Mississippi	3, 960	2, 890	20, 308	14, 147	24, 912	22, 392	24, 611	30, 546	27, 442
West South Central	15, 333	32, 524	103, 820	78, 898	113, 210	107, 241	119, 720	155, 625	174, 710
Arkansas	1, 523	9, 381	21, 211	15, 484	22, 360	18, 438	23, 432	40, 114	49, 826
Louisiana	1, 778	[3]	14, 022	15, 142	18, 557	19, 910	22, 559	23, 621	29, 115
Oklahoma	2, 113	9, 052	14, 680	14, 196	28, 308	24, 568	25, 541	30, 181	27, 950
Texas	9, 920	14, 092	53, 907	34, 075	43, 985	44, 325	48, 188	61, 710	67, 819
Mountain	9, 454	25, 143	58, 158	44, 220	46, 090	42, 518	46, 388	57, 304	60, 804
Montana	2, 888	2, 583	10, 383	4, 892	4, 520	5, 961	6, 306	8, 943	9, 813
Idaho	1, 371	4, 300	11, 807	5, 908	7, 597	7, 950	8, 318	11, 747	9, 934
Wyoming	670	1, 915	4, 725	4, 751	4, 650	3, 872	3, 609	4, 527	4, 216
Colorado	1, 938	4, 295	9, 049	10, 675	10, 520	10, 820	10, 272	11, 881	12, 777
New Mexico	556	1, 584	4, 259	3, 659	3, 769	3, 391	5, 581	7, 076	7, 234
Arizona	983	4, 018	10, 648	7, 192	4, 048	4, 359	4, 218	4, 396	7, 222
Utah	803	5, 545	5, 175	4, 209	7, 274	3, 793	5, 206	5, 556	5, 866
Nevada	245	902	2, 111	2, 844	3, 712	2, 354	2, 878	3, 177	3, 742
Pacific	32, 427	41, 505	94, 031	85, 903	92, 306	91, 684	92, 591	109, 524	112, 823
Washington	7, 945	11, 616	24, 239	17, 239	15, 710	18, 821	18, 322	23, 697	25, 452
Oregon	5, 310	10, 391	27, 969	19, 991	28, 928	23, 078	22, 973	23, 128	24, 408
California	19, 172	19, 497	41, 823	48, 674	47, 668	49, 785	51, 296	62, 698	62, 968

[1] Excludes expenditures of $1,065,000 in cities under supervision of State highway department.
[2] Data for State highways exclude expenditures of $2,462,000 for flood relief work.
[3] Data not available.
[4] Data for State highways cover July 1 to Mar. 31, as fiscal year was changed.

Source: Bureau of Public Roads, Department of Agriculture.

No. 412.—FUNDS AVAILABLE FOR RURAL ROAD PURPOSES: CONSOLIDATED DATA FOR ALL STATES, COUNTIES, TOWNSHIPS, AND DISTRICTS, 1929

NOTE.—All figures except percentages in thousands of dollars. Funds are those available for the purposes indicated in Table 413

Division and State	Total	Proceeds of bonds and notes		Federal aid post-road funds [1]		Motor vehicle fees and gasoline taxes		Other taxes and appropriations		All other sources [2]	
		Amount	Per cent	Amount	Per cent	Amount	Per cent	Amount	Per cent	Amount	Per cent
Continental U. S.	2,148,305	271,864	12.7	77,573	3.6	687,730	32.0	560,908	26.1	550,229	25.6
New England	112,481	8,006	7.1	4,845	4.3	40,482	36.0	28,686	25.5	30,480	27.1
Maine	17,793	2,437	13.7	1,170	6.6	5,998	33.7	4,154	23.3	4,032	22.7
New Hampshire	14,204	1,770	12.5	521	3.7	3,691	26.0	4,282	30.1	3,940	27.7
Vermont	14,641	2,559	17.5	2,041	13.9	208	2.0	4,513	30.8	5,230	35.7
Massachusetts	39,763	1,200	3.0	914	2.3	14,676	36.9	11,393	28.7	11,580	29.1
Rhode Island	8,022	40	.5	35	.4	3,651	45.5	969	12.1	3,327	41.5
Connecticut	18,058	-------	-------	164	.9	12,148	67.3	3,375	18.7	2,371	13.1
Middle Atlantic	441,365	24,618	5.6	7,763	1.8	119,935	27.2	121,841	27.6	167,208	37.9
New York	194,924	-------	-------	3,630	1.9	29,606	15.2	63,274	32.5	98,414	50.5
New Jersey	75,098	15,917	21.2	599	.8	27,683	36.9	20,591	27.4	10,308	13.7
Pennsylvania	171,343	8,701	5.1	3,534	2.1	62,646	36.6	37,976	22.2	58,486	34.1
East North Central	442,001	64,902	14.7	14,371	3.3	141,348	32.0	138,499	31.3	82,880	18.8
Ohio	118,538	20,926	17.7	3,013	2.5	33,628	28.4	39,623	33.4	21,348	18.0
Indiana	71,906	10,651	14.8	2,369	3.3	18,845	26.2	26,236	36.5	13,805	19.2
Illinois	76,537	20,824	27.2	3,482	4.5	18,652	24.4	28,622	37.4	4,957	6.5
Michigan	112,544	7,320	6.5	3,068	2.7	52,094	46.3	25,942	23.1	24,120	21.4
Wisconsin	62,476	5,181	8.3	2,439	3.9	18,129	29.0	18,076	28.9	18,650	29.9
West North Central	277,854	32,437	11.7	14,976	5.4	96,312	34.7	77,546	27.9	56,380	20.3
Minnesota	61,428	1,000	1.6	1,742	2.8	21,859	35.6	20,512	33.4	16,314	26.6
Iowa	71,180	18,892	26.5	2,537	3.6	19,833	27.9	16,480	23.2	13,438	18.9
Missouri	51,751	11,429	22.1	3,683	7.1	18,059	34.9	9,636	18.6	8,944	17.3
North Dakota	11,415	-------	-------	1,501	13.1	3,306	29.8	4,118	36.1	2,399	21.0
South Dakota	13,402	-------	-------	1,148	8.6	5,745	42.9	6,369	47.5	140	1.0
Nebraska	21,845	16	.1	1,658	7.6	11,727	53.7	6,531	29.9	1,912	8.8
Kansas	46,633	1,100	2.4	2,707	5.8	15,693	33.7	13,900	29.8	13,233	28.4
South Atlantic	274,869	35,292	12.8	6,534	2.4	81,998	29.8	70,175	25.5	80,871	29.4
Delaware	7,955	480	6.0	513	6.4	2,450	30.8	3,157	39.7	1,354	17.0
Maryland	22,969	5,384	23.4	509	2.2	7,216	31.4	6,703	29.2	3,157	13.7
Virginia	30,744	593	1.9	1,298	4.2	15,003	48.8	6,902	22.4	6,950	22.6
West Virginia	41,704	14,562	34.9	460	1.1	9,948	23.9	11,078	26.6	5,656	13.6
North Carolina	60,102	4,706	7.9	1,717	2.9	17,326	28.8	13,375	22.3	22,918	38.1
South Carolina	49,466	7,057	14.3	1,126	2.3	9,156	18.5	7,270	14.7	24,848	50.2
Georgia [3]	20,937	557	2.7	390	1.9	8,860	42.3	8,469	40.4	2,661	12.7
Florida	40,992	1,893	4.6	521	1.3	12,039	29.4	13,212	32.2	13,327	32.5
East South Central	170,429	48,993	28.7	6,110	3.6	42,760	25.1	35,212	20.7	37,354	21.9
Kentucky	29,457	3,400	11.5	1,830	6.2	13,227	44.9	7,034	23.9	3,966	13.5
Tennessee	68,538	30,122	43.9	2,246	3.3	9,280	13.5	9,440	13.8	17,451	25.5
Alabama	35,243	13,169	37.4	1,274	3.6	10,122	28.7	6,417	18.2	4,260	12.1
Mississippi	37,191	2,302	6.2	760	2.0	10,131	27.2	12,321	33.1	11,677	31.4
West South Central	214,427	47,109	22.0	7,838	3.7	73,834	34.4	38,280	17.9	47,365	22.1
Arkansas	54,145	29,564	54.6	1,232	2.3	16,346	30.2	2,300	4.2	4,703	8.7
Louisiana	39,631	[4] 10,845	27.4	703	1.8	10,974	27.7	9,280	23.4	7,829	19.8
Oklahoma	31,821	700	2.2	1,614	5.1	15,353	48.3	8,200	25.8	5,948	18.7
Texas	88,830	6,000	6.8	4,289	4.8	31,156	35.1	18,500	20.8	28,885	32.5
Mountain	70,414	3,886	5.5	9,737	13.8	24,557	34.9	17,107	24.3	15,125	21.5
Montana	10,296	100	1.0	1,941	18.9	3,478	33.8	2,850	27.7	1,927	18.7
Idaho	12,638	845	6.7	478	3.8	3,881	30.7	3,990	31.6	3,444	27.3
Wyoming	4,633	-------	-------	895	19.3	1,914	41.3	757	16.3	1,067	23.0
Colorado	15,276	-------	-------	1,879	12.3	6,976	45.7	3,977	26.0	2,443	16.0
New Mexico	8,379	2,363	28.2	1,157	13.8	2,931	35.0	690	8.2	1,237	14.8
Arizona	7,906	475	6.0	1,309	16.6	2,944	37.2	1,900	24.0	1,278	16.2
Utah	6,879	-------	-------	979	14.2	1,452	21.1	2,199	32.0	2,249	32.7
Nevada	4,407	103	2.3	1,099	24.9	981	22.3	744	16.9	1,480	33.6
Pacific	144,668	6,620	4.6	5,397	3.7	66,524	46.0	33,559	23.2	32,566	22.5
Washington	26,932	100	.4	1,329	4.9	16,344	60.7	7,310	27.1	1,849	6.9
Oregon	26,590	3,250	12.2	624	2.3	12,579	47.3	5,300	19.9	4,836	18.2
California	91,146	3,270	3.6	3,444	3.8	37,601	41.3	20,949	23.0	25,881	28.4

[1] For road and bridge purposes under supervision of State highway departments only.
[2] Includes balance from previous year, miscellaneous income, and funds transferred.
[3] Data for State highways cover Jan. 1 to June 30, as fiscal year was changed.
[4] Does not include $5,000,000, proceeds of State bonds sold Dec. 15, 1929.

Source: Bureau of Public Roads, Department of Agriculture.

No. 413.—DISTRIBUTION OF EXPENDITURES FOR ALL RURAL ROAD PURPOSES, 1929: ALL STATES, COUNTIES, TOWNSHIPS, AND DISTRICTS

[All figures except percentages in thousands of dollars]

Division and State	Total	New and reconstructed roads and bridges		Maintenance roads and bridges		Principal and interest on highway bonds and notes		Equipment and miscellaneous	
		Amount	Per cent	Amount	Per cent	Amount	Per cent	Amount	Per cent
Continental U. S.	1,718,200	813,982	47.4	433,538	25.2	272,529	15.9	198,151	11.5
New England	100,493	52,556	52.3	27,807	27.7	3,838	3.8	16,292	16.2
Maine	16,806	8,504	51.0	4,492	26.7	1,240	7.4	2,510	14.9
New Hampshire [1]	12,094	4,388	36.3	4,430	36.6			3,276	27.1
Vermont	13,568	11,029	81.3	1,866	13.8	199	1.5	474	3.5
Massachusetts	34,644	15,636	45.1	9,820	28.3	1,843	5.3	7,345	21.2
Rhode Island	6,434	3,087	48.0	2,090	32.5	556	8.6	701	10.9
Connecticut	16,947	9,852	58.1	5,109	30.1			1,086	11.7
Middle Atlantic	303,831	149,226	49.1	63,905	21.0	46,369	15.3	44,330	14.6
New York	114,664	70,309	61.3	22,117	19.3	9,684	8.4	12,553	10.9
New Jersey	65,351	36,078	56.1	8,839	13.5	14,260	21.8	5,574	8.5
Pennsylvania	123,816	42,239	34.1	32,949	26.6	22,425	18.1	26,203	21.2
East North Central	379,643	168,626	44.4	98,582	26.0	68,013	17.9	44,425	11.7
Ohio	99,844	33,483	33.5	28,075	28.1	25,050	25.1	13,236	13.3
Indiana	60,807	27,078	44.5	15,765	25.9	15,724	25.8	2,330	3.8
Illinois	70,039	37,831	54.0	20,219	28.9	10,394	14.8	1,594	2.3
Michigan	97,623	45,900	47.0	23,134	23.7	13,342	13.7	15,247	15.6
Wisconsin	51,243	24,334	47.5	11,389	22.2	3,503	6.8	12,018	23.5
West North Central	239,379	137,435	57.4	62,273	26.0	19,490	8.1	20,132	8.4
Minnesota	48,559	27,556	56.7	10,152	20.9	5,763	11.9	5,088	10.5
Iowa	62,216	37,277	59.9	18,421	29.6	4,788	7.7	1,731	2.8
Missouri	44,625	27,695	62.1	9,443	21.2	5,536	12.4	1,950	4.4
North Dakota	9,271	6,813	73.5	1,689	18.2	215	2.3	554	6.0
South Dakota	14,011	7,738	55.2	4,465	31.8	715	5.1	1,104	7.9
Nebraska	19,615	10,992	56.0	7,472	38.1	285	1.5	866	4.4
Kansas	41,082	19,414	47.3	10,641	25.9	2,188	5.3	8,839	21.5
South Atlantic	218,909	88,528	40.4	49,800	22.7	57,800	26.4	22,782	10.4
Delaware	7,130	2,573	36.1	600	8.4	3,242	45.5	715	10.0
Maryland	18,982	8,202	43.2	5,075	26.7	4,153	21.9	1,551	8.2
Virginia	23,188	12,324	53.1	8,265	35.6	2,330	10.0	269	1.2
West Virginia	32,748	16,586	50.6	6,682	20.4	9,173	28.0	307	.9
North Carolina	49,283	15,404	31.3	9,879	20.0	19,623	39.8	4,377	8.9
South Carolina	38,497	14,778	38.4	5,055	13.1	8,098	21.0	10,567	27.4
Georgia	19,196	7,442	38.8	7,721	40.2	2,571	13.4	1,463	7.6
Florida	29,885	11,219	37.5	6,523	21.8	3,610	28.8	3,533	11.8
East South Central	127,596	59,465	46.6	35,728	28.0	19,150	15.0	13,268	10.4
Kentucky	25,255	12,133	48.0	6,486	25.7	1,900	7.5	4,736	18.8
Tennessee	42,882	22,433	52.3	9,613	22.4	5,980	14.0	4,846	11.3
Alabama	32,010	17,340	54.2	6,979	21.8	6,209	19.4	1,492	4.7
Mississippi	27,442	7,549	27.5	12,650	46.1	5,051	18.4	2,192	8.0
West South Central	174,710	75,307	43.1	45,114	25.8	32,444	18.6	21,846	12.5
Arkansas	49,826	22,242	44.6	5,361	10.8	11,838	23.8	10,386	20.8
Louisiana	29,115	14,169	48.7	6,876	23.6	5,856	20.1	2,214	7.6
Oklahoma	27,950	11,311	40.5	11,406	40.8	2,250	8.1	2,983	10.7
Texas	67,819	27,585	40.7	21,471	31.7	12,500	18.4	6,263	9.2
Mountain	60,804	27,863	45.8	19,042	31.3	8,243	13.6	5,654	9.3
Montana	9,813	5,160	52.6	2,995	30.5	1,227	12.5	431	4.4
Idaho	9,934	3,248	32.7	2,430	24.5	2,921	29.4	1,335	13.4
Wyoming	4,216	2,066	49.0	1,828	43.4	165	3.9	157	3.7
Colorado	12,777	4,993	39.1	5,232	40.9	1,534	12.0	1,017	8.0
New Mexico	7,234	4,400	60.8	1,762	24.4	520	7.2	552	7.6
Arizona	7,222	3,385	46.9	2,334	32.3	630	8.7	873	12.1
Utah	5,866	2,736	46.6	1,689	28.8	924	15.8	517	8.8
Nevada	3,742	1,875	50.1	772	20.6	322	8.6	772	20.6
Pacific	112,828	54,939	48.7	31,286	27.7	17,182	15.2	9,421	8.3
Washington	25,452	13,864	54.5	6,510	25.6	1,525	6.0	3,553	14.0
Oregon	24,408	11,677	47.8	6,533	26.8	5,570	22.9	619	2.5
California	62,968	29,398	46.7	18,243	29.0	10,078	16.0	5,249	8.3

[1] Data for State highways exclude expenditures of $2,462,000 for flood relief work.

Source: Bureau of Public Roads, Department of Agriculture.

No. 414.—HIGHWAY CONSTRUCTION UNDER FEDERAL AID: STATUS AS OF DECEMBER 31, 1930

[Total cost and Federal aid expressed in thousands of dollars]

Division and State	Mileage completed prior to Jan. 1, 1931 [1]	Projects under construction			Projects approved for construction			Federal aid fund available for new projects
		Total cost	Federal aid	Miles [1]	Total cost	Federal aid	Miles [1]	
Grand total [2]	88,945	233,397	99,573	9,089	60,394	25,531	2,375	144,723
New England	2,437	14,614	4,734	172	2,892	734	30	7,483
Maine	580	2,519	847	54	542	271	(3)	1,918
New Hampshire	382	1,039	378	19				572
Vermont	300	348	81	7				614
Massachusetts	712	6,762	1,803	53	1,894	379	24	2,469
Rhode Island	210	1,720	665	26				627
Connecticut	253	2,190	960	13	456	84	6	1,203
Middle Atlantic	5,872	29,382	7,133	316	4,956	1,204	80	19,469
New York	2,665	18,564	3,613	244	4,892	1,179	79	11,774
New Jersey	551	3,297	827	23				2,548
Pennsylvania	2,656	7,521	2,693	49	64	25	1	5,147
East North Central	10,493	48,256	19,653	1,277	7,959	3,111	203	22,411
Ohio	2,504	13,749	4,267	213	630	180	4	4,509
Indiana	1,569	2,332	1,133	75	4,641	1,694	99	4,004
Illinois	2,167	20,303	9,202	645	1,358	646	48	7,133
Michigan	1,786	7,942	3,299	225	1,150	506	43	4,187
Wisconsin	2,467	3,870	1,692	119	180	85	9	2,578
West North Central	25,312	25,249	10,982	1,683	15,783	6,793	1,080	17,493
Minnesota	4,314	2,142	791	116	5,172	1,996	214	981
Iowa	3,229	105	2	4	2,810	1,151	89	2,194
Missouri	2,588	8,631	3,085	201	1,814	768	66	2,778
North Dakota	4,593	1,689	843	353	1,181	590	307	2,502
South Dakota	3,796	2,829	1,565	353	637	350	110	2,285
Nebraska	3,818	5,068	2,428	366	1,470	632	72	3,697
Kansas	2,974	4,785	2,248	290	2,679	1,306	222	3,059
South Atlantic	10,272	30,433	13,546	1,090	7,510	3,439	291	16,805
Delaware	319	107	53	4	321	153	8	496
Maryland	685	1,016	473	22	159	42	2	999
Virginia	1,614	3,769	1,804	161	585	249	20	2,213
West Virginia	724	4,669	1,696	148	829	347	9	1,086
North Carolina	1,883	4,014	1,918	162	1,091	520	76	4,024
South Carolina	1,851	5,967	2,412	231	779	387	27	1,221
Georgia	2,662	6,259	2,984	280	2,992	1,392	122	4,197
Florida	534	4,637	2,206	82	754	349	27	2,569
East South Central	6,856	14,277	6,355	666	5,252	1,940	200	15,327
Kentucky	1,519	5,670	2,346	251	2,469	555	75	1,481
Tennessee	1,329	4,331	1,948	204	807	403	20	3,306
Alabama	2,178	3,497	1,675	157	1,458	723	75	5,169
Mississippi	1,830	779	386	54	518	259	30	5,371
West South Central	12,115	28,387	12,905	1,327	7,024	3,168	397	16,782
Arkansas	1,807	6,018	2,805	226	1,222	606	37	2,773
Louisiana	1,410	4,345	2,105	176	2,046	926	73	1,389
Oklahoma	1,944	5,183	2,464	226	1,187	642	93	2,279
Texas	6,954	13,341	5,531	699	2,569	994	194	9,841
Mountain	11,389	25,623	16,306	1,956	4,563	2,916	457	19,216
Montana	1,892	7,344	4,145	614	844	458	110	4,807
Idaho	1,292	2,093	1,278	155	713	428	67	1,031
Wyoming	1,756	2,636	1,756	271	553	360	88	1,167
Colorado	1,284	4,137	2,196	196	872	490	71	3,737
New Mexico	1,958	4,150	2,753	239	350	300	14	2,359
Arizona	892	3,565	2,794	278	414	289	18	2,237
Utah	1,037	692	512	87	807	582	88	1,396
Nevada	1,278	1,006	872	116	10	9	1	1,882
Pacific	4,158	15,789	7,606	579	4,274	2,126	128	7,909
Washington	984	2,963	1,283	91	1,541	737	60	2,237
Oregon	1,229	5,472	3,218	296	894	510	36	1,593
California	1,945	7,354	3,105	192	1,839	879	32	4,079
Hawaii	41	883	374	22	198	99	9	1,853

[1] Figures expressed in nearest mile, original figures in nearest tenth.
[2] Includes Hawaii.
[3] Less than five-tenths of 1 mile.

Source: Bureau of Public Roads, Department of Agriculture.

No. 415.—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 [1]						Registration (in thousands)		
	Number (in thousands)			Wholesale value (thousands of dollars)			Total	Passenger cars, busses, and taxis	Trucks and road tractors [2]
	Total	Passenger cars	Motor trucks	Total	Passenger cars	Motor trucks			
1900 [3]	4	4	----	4,899	4,899	----	8	----	----
1901	7	7	----	8,183	8,183	----	15	----	----
1902	9	9	----	10,395	10,395	----	23	----	----
1903	11	11	----	13,000	13,000	----	33	----	----
1904 [3]	23	22	(4)	24,629	23,682	947	55	55	(4)
1905	25	25	(4)	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	65	63	2	137,800	135,250	2,550	198	194	3
1909 [3]	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	356	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 [3]	569	544	25	458,958	413,859	45,098	1,711	1,626	86
1915	970	896	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	1,274,488	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	1,091,752	169,914	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	15,092	13,540	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	4,506	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	2,128,792	1,722,645	406,148	26,524	23,043	3,481

[1] See headnote.
[2] Road tractors are not included prior to 1924.
[3] Production data are from United States Census Reports and in 1900 are for fiscal year ended June 30.
[4] Less than 500.

Sources: National Automobile Chamber of Commerce and Bureau of Public Roads.

No. 416.—PRODUCTION OF OPEN AND CLOSED CARS IN THE UNITED STATES AND CANADA, BY PRICE GROUPS [1]

Year	Under $1,000		$1,000 to $2,000		$2,000 to $3,000		$3,000 and over		Per cent closed, all classes
	Open	Closed	Open	Closed	Open	Closed	Open	Closed	
1920 [2]	915,709	216,193	551,648	75,281	63,913	18,027	50,340	14,449	17.0
1921	822,843	224,619	288,372	65,336	51,809	30,167	19,552	15,363	22.1
1922	1,322,357	430,769	312,165	204,296	11,709	47,519	8,678	31,596	30.1
1923	2,071,339	991,842	395,545	220,102	7,838	37,248	2,913	27,118	34.0
1924	1,545,197	890,106	318,387	388,846	14,293	103,224	5,403	38,190	43.0
1925	1,401,766	1,188,462	174,438	833,786	12,008	131,591	5,894	32,799	56.5
1926	978,760	1,804,316	109,843	867,340	12,423	144,391	4,479	27,291	72.0
1927	375,738	1,621,405	77,073	836,492	10,075	130,888	3,352	28,277	84.9
1928	385,381	2,535,547	62,198	856,371	10,037	127,354	2,512	32,758	88.5
1929	477,302	3,425,228	22,055	713,120	9,815	121,055	1,237	25,086	89.4
1930	177,508	2,287,899	19,912	363,009	3,513	63,029	1,969	22,952	93.1

[1] Prior to 1922 figures are based only on price of 5-passenger open cars of a given chassis. Thus, if this model sold for less than $1,000, the total production of cars with the same chassis is included in the "under $1,000" class, even though closed models sold for over $1,000. In 1922 and later years actual f. o. b. prices of open and closed models are considered separately and the cars included under proper classification.
[2] Figures represent the United States only.

Source: Automotive Industries. The grouping is based on retail prices f. o. b. factory.

No. 417.—MOTOR-VEHICLE PRODUCTION IN THE UNITED STATES [1]

Month	1922	1923	1924	1925	1926	1927	1928	1929	1930
	Passenger cars								
Total	2,274,185	3,624,717	3,185,881	3,735,171	3,783,987	2,936,533	3,815,417	4,587,400	2,784,745
January	78,317	223,421	286,314	209,510	276,119	198,157	205,539	347,609	233,815
February	103,227	252,780	335,956	246,924	323,139	202,550	201,005	406,171	280,016
March	149,238	321,453	344,803	325,915	384,579	343,872	371,283	513,656	330,922
April	193,027	337,149	334,736	381,301	385,342	356,823	364,261	537,564	372,932
May	228,975	347,019	275,196	371,192	374,789	356,930	374,680	516,181	361,368
June	249,980	334,596	219,730	356,695	340,716	279,565	355,685	452,749	285,936
July	221,367	209,139	230,209	353,897	317,160	237,811	337,560	425,998	222,205
August	244,349	313,107	252,108	222,030	381,041	276,585	398,722	441,820	183,918
September	184,929	298,504	201,143	265,703	352,070	226,443	357,704	364,336	176,426
October	208,977	334,742	257,785	391,672	290,264	183,042	338,883	319,330	113,808
November	207,498	285,346	201,960	329,294	220,357	109,712	215,742	169,492	101,141
December	203,410	277,461	177,451	281,038	138,421	106,043	204,353	92,494	122,258
	Motor trucks and busses								
Total	269,991	409,295	416,659	530,659	516,947	464,793	543,342	771,020	571,241
January	11,057	22,468	32,275	31,060	32,879	40,751	26,189	53,428	39,406
February	14,644	25,311	35,213	36,714	40,513	42,185	32,791	60,247	50,398
March	22,249	38,023	38,621	48,491	48,888	50,641	42,031	71,799	65,466
April	25,467	41,989	41,132	52,491	53,994	49,559	45,843	84,346	71,092
May	26,647	48,536	39,981	47,864	50,378	48,718	51,103	88,510	58,659
June	28,806	45,514	32,070	41,829	45,553	44,252	41,111	93,183	48,570
July	24,388	32,705	30,513	45,050	42,450	31,585	54,526	74,842	43,328
August	26,498	35,109	32,528	38,206	45,810	34,409	62,576	56,808	40,450
September	18,998	29,216	35,239	60,025	46,868	33,867	57,610	51,576	44,223
October	23,847	31,719	36,708	50,309	44,167	36,640	58,401	60,687	40,593
November	25,425	29,158	32,651	42,977	35,944	24,058	41,398	48,081	35,613
December	21,875	29,547	29,611	35,634	29,503	27,528	29,763	27,513	33,443

[1] Figures represent production or factory sales. Passenger cars include taxicabs; trucks and busses include ambulances, funeral cars, fire apparatus, and street sweepers.

No. 418.—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 gross receipts in thousands of dollars			Tax in cents per gallon on Dec. 31—		State	Total gross receipts in thousands of dollars			Tax in cents per gallon on Dec. 31—	
	1925	1929	1930	1929	1930		1925	1929	1930	1929	1930
Total	146,029	431,636	494,683			Montana	675	2,802	2,942	5	5
						Nebraska	2,194	7,799	9,060	4	4
Alabama	2,141	7,105	6,901	4	4	Nevada	319	652	675	4	4
Arizona	856	2,560	2,670	4	4	New Hampshire	707	2,267	2,499	4	4
Arkansas	[1] 2,950	6,681	6,427	5	5	New Jersey	(2)	9,996	11,380	2	3
California	14,957	34,192	34,870	3	3	New Mexico	537	2,290	2,762	5	5
Colorado	1,961	5,218	6,145	4	4	New York	(2)	[4] 19,087	28,476	2	2
Connecticut	1,909	4,097	4,515	2	2	North Carolina	6,082	12,006	12,533	5	5
Delaware	342	936	1,013	3	3	North Dakota	634	1,801	1,972	3	3
Dist. of Col	890	1,428	1,600	2	2	Ohio	9,010	34,082	37,081	4	4
Florida	7,653	12,231	13,655	6	6	Oklahoma	6,144	10,842	12,092	4	4
Georgia	4,410	10,224	13,435	6	6	Oregon	2,909	4,543	6,199	3	4
Idaho	895	1,946	2,731	4	5	Pennsylvania	8,353	35,758	33,624	4	4
Illinois	(2)	[3] 11,660	27,472	3	3	Rhode Island	318	1,546	1,736	2	2
Indiana	7,053	15,611	17,159	4	4	South Carolina	3,805	6,871	7,146	6	6
Iowa	3,505	9,356	10,584	3	3	South Dakota	1,848	3,546	3,504	4	4
Kansas	2,905	8,171	9,120	3	3	Tennessee	3,408	9,291	10,719	5	5
Kentucky	3,042	7,743	8,415	5	5	Texas	4,042	22,317	29,527	4	4
Louisiana	2,340	6,979	7,546	4	5	Utah	1,004	1,980	2,100	3½	3½
Maine	1,208	3,709	4,169	4	4	Vermont	502	1,703	1,880	4	4
Maryland	1,977	6,297	6,991	4	4	Virginia	3,702	9,895	10,775	5	5
Massachusetts	(2)	9,759	10,563	2	2	Washington	3,021	5,943	7,253	3	3
Michigan	8,236	21,313	21,713	3	3	West Virginia	2,187	4,873	5,367	4	4
Minnesota	3,864	8,892	10,359	3	3	Wisconsin	4,032	7,485	8,315	2	2
Mississippi	2,494	7,176	6,918	5	5	Wyoming	456	1,206	1,447	4	4
Missouri	4,159	7,681	8,639	2	2						

[1] In addition, $438,436 was collected on motor-oil tax of 10 cents per gallon. [2] No tax imposed.
[3] Receipts for last 5 months of year. [4] Receipts for last 8 months of year.

Sources: Table 417, Bureau of Foreign and Domestic Commerce, Department of Commerce; Table 418, Bureau of Public Roads, Department of Agriculture.

No. 419.—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 those official cars which are exempt (or partially exempt) from paying regular registration fees to the States

Division and State	1913	1915	1920	1925 [1]	1928 [1]	1929 [1]	1930 [1]
Continental U. S.	1,258,062	2,445,666	9,231,941	19,937,274	24,493,124	26,501,443	26,523,779
New England	121,327	208,609	573,321	1,280,151	1,523,298	1,668,192	1,698,619
Maine	11,022	21,545	62,907	140,499	172,638	184,506	186,157
New Hampshire	8,237	13,449	34,680	81,498	102,644	108,880	112,183
Vermont	5,913	11,499	31,825	69,576	86,231	93,030	80,624
Massachusetts	62,660	102,633	274,498	646,153	726,295	817,704	846,206
Rhode Island	10,295	16,362	50,477	101,756	125,698	134,009	136,423
Connecticut	23,200	41,121	119,134	250,669	309,792	328,063	331,025
Middle Atlantic	280,033	497,227	1,474,106	3,536,570	4,484,579	4,828,874	4,914,101
New York	134,495	255,242	676,205	1,625,583	2,083,942	2,263,159	2,307,730
New Jersey	51,360	81,848	227,737	580,554	758,430	832,332	852,850
Pennsylvania	80,178	160,137	570,164	1,330,433	1,642,207	1,733,283	1,753,521
East North Central	314,524	653,665	2,229,396	4,918,383	5,989,220	6,437,021	6,384,157
Ohio	86,156	181,332	621,390	1,346,400	1,649,699	1,766,614	1,759,363
Indiana	45,000	96,915	333,067	725,410	823,806	866,715	875,763
Illinois	94,656	180,832	568,924	1,263,177	1,504,359	1,615,088	1,638,260
Michigan	54,366	114,845	412,717	989,010	1,249,221	1,395,102	1,328,209
Wisconsin	34,346	79,741	293,298	594,386	742,135	793,502	782,562
West North Central	232,044	499,992	1,782,946	2,941,814	3,410,057	3,663,223	3,681,901
Minnesota	46,000	93,269	324,166	569,694	673,573	730,399	732,972
Iowa	70,299	146,109	437,378	659,202	733,466	784,450	778,386
Missouri	38,140	76,462	297,008	604,166	712,965	756,680	761,600
North Dakota	15,187	24,908	90,840	144,972	173,525	188,046	183,019
South Dakota	14,457	28,724	120,395	168,028	191,374	204,199	205,172
Nebraska	13,411	59,000	219,000	338,719	391,355	418,226	426,229
Kansas	34,550	72,520	294,159	457,033	533,799	581,223	594,523
South Atlantic	77,823	150,594	806,053	1,920,982	2,428,176	2,602,134	2,517,673
Delaware	2,440	5,052	18,300	40,140	51,210	54,960	56,109
Maryland	14,217	31,047	102,341	234,247	285,311	319,873	321,702
District of Columbia	4,000	8,009	34,161	103,062	126,556	151,450	156,676
Virginia	9,022	21,357	115,470	282,650	360,545	387,205	375,889
West Virginia	5,144	13,279	80,664	217,589	251,556	268,888	266,273
North Carolina	16,000	21,000	140,860	[2] 340,287	464,376	483,602	453,241
South Carolina	10,000	15,000	93,843	168,496	216,805	231,274	218,402
Georgia	[3] 20,000	25,000	146,000	248,093	318,856	358,905	341,580
Florida	[3] 3,000	[3] 10,850	73,914	286,388	352,961	345,977	327,801
East South Central	26,360	48,421	357,658	878,115	1,142,129	1,230,823	1,213,501
Kentucky	7,210	19,500	112,683	261,647	304,231	332,848	331,002
Tennessee	[4] 10,000	[5] 7,618	101,852	244,626	322,137	302,431	368,259
Alabama	5,300	11,634	74,637	194,580	269,519	285,533	277,146
Mississippi	3,850	9,669	68,486	177,262	246,242	250,011	237,094
West South Central	46,583	84,438	772,655	1,790,017	2,223,364	2,432,892	2,411,714
Arkansas	3,583	8,021	59,082	133,589	214,931	233,128	220,204
Louisiana	[4] 10,000	11,380	73,000	207,000	264,293	280,868	275,288
Oklahoma	[3] 3,000	25,032	212,380	424,345	529,843	570,791	550,331
Texas	[4] 32,000	[4] 40,000	427,693	975,083	1,214,297	1,348,107	1,365,896
Mountain	33,215	78,530	374,473	875,708	861,418	954,593	982,572
Montana	5,916	14,540	60,650	94,656	126,035	140,387	135,108
Idaho	2,113	7,071	50,861	81,506	108,154	118,074	119,077
Wyoming	1,584	3,076	23,926	47,711	56,336	60,680	61,501
Colorado	13,000	28,894	129,255	240,097	284,867	303,489	308,509
New Mexico	1,898	5,100	22,100	49,111	65,737	78,374	84,150
Arizona	3,613	7,753	34,601	68,029	94,372	109,013	110,525
Utah	4,000	9,177	42,616	73,427	98,541	112,661	113,907
Nevada	1,091	2,009	10,464	21,169	27,376	31,915	29,645
Pacific	138,153	226,205	661,333	1,985,536	2,450,883	2,685,689	2,739,541
Washington	24,178	38,823	173,920	328,442	402,875	442,341	446,062
Oregon	13,975	23,585	103,790	216,553	248,118	269,007	252,123
California	[4] 100,000	163,797	583,623	1,440,541	1,799,890	1,974,341	2,041,356

[1] Includes road tractors.
[2] Fiscal registration year ends June 30; figure represents registration July 1 to Dec. 31.
[3] Registrations incomplete.
[4] Estimated.
[5] Cars registered during 1915 only; total, approximately 26,000.

Source: Bureau of Public Roads, Department of Agriculture.

No. 420.—REGISTRATIONS AND REVENUES FROM MOTOR VEHICLES, 1930

Division and State	Number of motor cars				Trailers, registered [1]	Motor cycles, registered and official, combined	Receipts from motor-vehicle administration		Amount used for highway work purposes
	Total	Individually and commercially owned, registered		Tax-exempt official motor cars			Total receipts [2]	Registration motor cars [3]	
		Passenger cars, busses, and taxis	Trucks and road tractors				Thousands of dollars		
Continental U.S.	[4] 26,697,398	23,042,840	3,480,939	[4] 173,619	202,507	110,757	355,705	275,407	327,034
New England	1,705,607	1,460,185	238,434	6,988	4,728	11,068	25,541	18,655	22,299
Maine	187,786	148,722	37,435	1,629	2,207	1,238	3,167	2,423	2,710
New Hampshire	112,667	93,155	19,028	484	935	1,132	2,290	1,868	2,115
Vermont	86,652	78,398	8,226	28	315	524	2,392	2,058	2,392
Massachusetts	847,762	743,288	102,918	1,556	701	4,642	7,121	4,118	5,477
Rhode Island	137,324	116,792	19,631	901	90	832	2,281	1,834	2,031
Connecticut	333,416	279,830	51,196	2,390	480	2,048	8,290	6,354	7,574
Middle Atlantic	4,945,885	4,221,511	692,590	31,784	18,528	32,610	89,352	71,590	78,410
New York	2,328,616	1,960,981	340,749	20,886	10,205	13,657	40,858	36,460	34,349
New Jersey	801,270	719,696	133,154	8,420	2,630	5,998	15,382	11,270	14,097
Pennsylvania	1,755,999	1,540,834	218,687	2,478	5,684	12,961	33,112	23,860	29,964
East North Central	6,413,179	5,571,638	812,519	28,022	90,499	22,513	73,644	69,430	71,235
Ohio	1,773,217	1,555,093	204,270	13,854	24,350	6,886	13,237	12,700	12,780
Indiana	884,356	747,366	128,397	8,593	13,646	2,862	6,317	5,942	6,020
Illinois	1,630,239	1,430,676	207,584	979	7,341	6,245	18,444	17,292	18,444
Michigan	1,328,580	[5] 1,161,051	[5] 167,158	371	44,441	3,530	22,482	20,772	21,607
Wisconsin	787,787	677,452	105,110	5,225	715	2,990	13,084	12,724	12,384
West North Central	3,696,970	3,215,792	466,109	15,039	26,228	8,054	48,714	31,382	46,939
Minnesota	736,652	624,902	103,070	3,680	9,541	1,825	11,062	10,926	11,031
Iowa	782,175	706,196	72,190	3,789	1,542	1,789	12,694	11,978	11,956
Missouri	763,686	[5] 670,145	[5] 91,455	2,086	3,472	1,751	10,150	----	9,651
North Dakota	183,022	155,383	27,636	3	----	235	1,959	1,946	1,832
South Dakota	206,169	180,195	[5] 24,977	997	(6)	239	2,960	2,901	2,867
Nebraska	427,910	367,587	58,642	1,681	10,320	900	3,805	3,631	3,688
Kansas	597,356	[5] 511,384	[5] 83,139	2,833	1,083	1,315	6,084	----	5,914
South Atlantic	2,547,664	2,172,053	345,615	29,991	20,191	11,580	35,390	26,015	32,189
Delaware	56,153	45,533	10,576	44	412	295	1,110	804	1,110
Maryland	323,702	283,370	37,832	2,000	1,008	1,941	3,438	2,713	2,475
Dist. Columbia	160,088	139,733	16,943	3,412	----	1,056	636	179	----
Virginia	380,942	318,582	57,307	5,053	1,318	2,084	6,494	6,235	6,116
West Virginia	269,330	225,900	40,373	3,057	928	1,453	4,703	4,296	4,455
North Carolina	461,311	397,133	56,108	8,070	5,845	1,350	6,836	----	6,536
South Carolina	221,952	192,141	26,261	3,550	2,976	559	2,878	2,581	2,681
Georgia	342,514	294,461	47,119	934	2,704	1,178	4,482	4,418	4,271
Florida	331,672	274,705	53,096	3,871	5,000	1,650	4,813	4,729	4,525
East South Central	1,221,777	1,068,210	145,291	8,276	7,440	2,789	17,160	5,376	16,173
Kentucky	333,284	295,161	[6] 35,841	2,282	(6)	681	5,547	5,376	5,271
Tennessee	372,811	330,430	[6] 37,823	4,552	(6)	1,228	4,767	----	4,441
Alabama	278,514	239,170	37,976	1,368	3,550	663	3,800	----	3,574
Mississippi	237,168	203,443	33,651	74	3,890	217	3,046	----	2,887
West South Central	2,420,597	2,073,890	337,324	8,883	38,101	6,169	29,390	21,832	28,172
Arkansas	221,143	193,218	26,986	939	2,805	380	4,284	4,243	4,215
Louisiana	275,492	230,586	44,697	209	5,443	518	4,609	4,528	4,559
Oklahoma	555,561	490,947	59,384	5,230	----	1,226	6,536	----	6,230
Texas	1,368,401	1,159,139	206,757	2,505	29,853	4,045	13,961	13,061	13,118
Mountain	970,745	830,947	131,625	8,173	3,220	3,001	9,419	6,075	8,409
Montana	136,808	109,549	25,619	1,640	56	242	1,583	1,503	1,527
Idaho	120,406	104,526	14,551	1,329	450	370	1,998	1,959	1,938
Wyoming	62,092	51,579	[6] 9,922	591	(6)	121	692	----	692
Colorado	308,792	276,847	31,662	283	188	1,059	1,901	1,785	1,770
New Mexico	85,106	70,450	[7] 13,700	956	850	210	1,280	----	649
Arizona	111,982	98,480	12,045	1,457	1,346	437	735	541	735
Utah	115,370	96,128	[6] 17,869	1,373	(6)	488	856	----	738
Nevada	30,189	23,388	6,257	544	330	74	374	287	360
Pacific	2,767,115	2,428,609	310,932	27,574	53,572	12,983	27,094	25,053	23,178
Washington	452,511	382,874	63,188	6,449	3,147	2,172	7,617	7,354	7,341
Oregon	255,126	234,706	17,357	3,003	1,893	1,406	9,168	9,060	9,062
California	2,059,478	1,810,909	230,387	18,122	48,532	9,405	9,859	8,639	6,775

[1] Some States do not register trailers; others include them with trucks.
[2] Includes registration fees, licenses, permits, fines, etc.; excludes gasoline taxes.
[3] Totals include only the States shown; separate data not available for 10 States.
[4] Includes 7,859 "cars at large" not allocated to any State.
[5] Busses included with trucks.
[6] Trailers included with trucks.
[7] Includes small commercial trucks formerly classified with passenger cars.

Source: Bureau of Public Roads, Department of Agriculture.

No. 421.—AUTOMOBILE FATALITIES IN ENTIRE DEATH REGISTRATION AREA IN CONTINENTAL UNITED STATES

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

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	59,183,071	1,291	2.2	54,285,180	1,150	2.2		
1912	60,359,974	1,758	2.9	55,188,437	1,563	2.8		
1913	63,200,625	2,488	3.9	58,235,115	2,241	3.8	882,911	253.8
1914	65,813,315	2,826	4.3	60,943,663	2,571	4.2	1,234,844	208.2
1915	67,095,681	3,978	5.9	61,881,753	3,589	5.8	1,775,064	202.2
1916	71,349,162	5,193	7.3	66,371,691	4,737	7.1	2,511,805	188.6
1917	74,984,498	6,724	9.0	69,646,824	6,064	8.7	3,530,263	171.8
1918	81,333,675	7,525	9.3	79,536,574	7,310	9.2	4,715,317	155.0
1919	85,166,043	7,908	9.4	83,612,508	7,771	9.3	5,922,572	131.2
1920	87,632,592	9,103	10.4	86,179,774	8,878	10.3	7,440,420	119.3
1921	89,102,434	10,168	11.4	87,592,175	9,903	11.3	8,578,536	115.4
1922	93,866,240	11,666	12.4	92,540,579	11,406	12.4	10,374,903	110.5
1923	97,816,104	14,411	14.7	96,385,407	14,157	14.7	13,359,965	106.0
1924	100,082,062	15,528	15.5	98,471,683	15,221	15.5	15,713,654	96.9
1925	102,951,999	17,571	17.1	101,111,137	17,149	17.0	17,892,640	95.8
1926	104,938,301	18,871	18.0	102,991,160	18,419	17.9	19,838,947	92.8
1927	108,177,568	21,160	19.6	106,309,646	20,704	19.5	21,084,564	98.2
1928	114,258,516	23,705	20.8	113,050,603	23,427	20.7	23,126,127	101.3
1929	116,317,515	27,066	23.3	115,097,972	26,662	23.2	25,089,696	106.3

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	27,383,830	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	29,108,597	687	2.4	29,126,518	1,554	5.3	4,965,510	247	5.0
1914	30,329,210	896	2.9	30,114,453	1,675	5.6	4,869,652	255	5.2
1915	31,078,193	1,226	3.9	30,803,560	2,363	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	36,928,787	2,174	5.9	32,718,037	3,890	11.9	5,337,674	660	12.4
1918	41,844,499	2,368	5.7	37,602,075	4,942	13.1	1,797,101	215	12.0
1919	44,064,983	2,508	5.6	38,947,525	5,263	13.5	1,553,535	197	12.7
1920	44,475,250	2,757	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	5,668	10.9	46,424,302	9,553	20.6	1,610,379	307	19.1
1925	53,580,742	6,809	12.8	47,530,395	10,640	22.4	1,840,892	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	1,867,922	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	52,676,178	14,865	28.2	1,219,543	404	33.1

Sources: Bureau of the Census, Department of Commerce, and Bureau of Public Roads, Department of Agriculture.

No. 422.—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 73 for per cent of total population included in the registration area for each year.

State	Number of deaths						Rate per estimated 100,000 population					
	1921–1925, avg.	1925	1926	1927	1928	1929	1921–1925, avg.	1925	1926	1927	1928	1929
Registration area in continental United States	**13,869**	**17,571**	**18,871**	**21,160**	**23,765**	**27,066**	**14.3**	**17.1**	**18.0**	**19.6**	**20.8**	**23.3**
Registration States [1]	13,579	17,149	18,419	20,704	23,427	26,662	14.3	17.0	17.9	19.5	20.7	23.2
Cities [1]	8,624	10,640	11,071	12,252	13,430	14,865	19.1	22.4	22.8	24.7	26.0	28.2
Rural	4,955	6,509	7,348	8,452	9,997	11,797	9.9	12.1	13.5	14.9	16.3	18.9
Cities in nonregistration States	290	422	452	456	338	404	18.8	22.9	23.2	24.4	28.0	33.1
All registration cities [1]	8,914	11,062	11,523	12,708	13,768	15,269	19.1	22.4	22.8	24.6	26.0	28.3
REGISTRATION STATES												
Alabama	[2] 252	252	319	361	375	445	[2] 10.0	10.0	12.6	14.1	14.4	17.0
Arizona	(3)	(3)	116	140	123	153	(3)	(3)	29.1	34.3	29.4	35.7
Arkansas	(3)	(3)	(3)	170	211	282	(3)	(3)	(3)	9.3	11.5	15.3
California	1,137	1,327	1,464	1,628	1,755	2,100	27.0	28.6	30.2	32.1	33.2	38.1
Colorado	148	146	175	234	221	258	15.2	14.7	17.5	23.2	21.7	25.1
Connecticut	260	340	307	327	407	433	17.8	22.6	20.1	20.1	26.0	27.2
Delaware	36	37	50	62	75	57	15.8	16.0	21.5	26.5	31.8	24.0
Florida	217	449	515	425	404	488	19.0	36.3	40.1	31.9	20.2	34.1
Georgia	[4] 260	(3)	(3)	(3)	408	527	[4] 9.0	(3)	(3)	(3)	16.1	18.1
Idaho	[5] 46	56	77	76	90	81	[6] 10.5	12.8	17.5	17.2	20.3	18.2
Illinois	1,051	1,268	1,338	1,512	1,743	1,685	15.3	17.9	18.6	20.6	23.4	22.3
Indiana	399	509	547	665	784	897	13.1	16.4	17.5	21.1	24.6	27.9
Iowa	[7] 241	271	264	284	32[9]	404	[7] 9.9	11.1	10.8	11.6	13.4	16.4
Kansas	193	240	241	253	30[4]	373	10.7	13.1	13.1	13.7	16.3	19.9
Kentucky	167	237	277	299	34[2]	389	6.7	9.4	10.9	11.7	13.3	15.0
Louisiana	162	241	271	295	348	373	8.5	12.3	13.6	14.6	17.0	17.9
Maine	83	98	100	112	115	151	10.7	12.5	12.7	14.2	14.5	19.0
Maryland	232	271	312	330	343	382	15.3	17.5	19.9	20.8	21.4	23.6
Massachusetts	609	729	682	696	724	781	15.3	17.9	16.6	16.8	17.3	18.5
Michigan	714	955	1,112	1,266	1,247	1,411	17.5	22.2	25.2	28.0	26.9	29.7
Minnesota	306	361	326	369	435	505	12.5	14.5	13.0	14.7	17.2	19.8
Mississippi	90	170	215	243	253	284	5.1	8.9	11.1	12.5	12.8	14.2
Missouri	391	509	493	517	625	651	11.2	14.4	13.9	14.5	17.4	18.0
Montana	80	84	93	73	118	114	11.0	15.5	17.2	13.5	21.9	21.2
Nebraska	119	125	154	198	217	265	9.0	9.3	11.4	14.6	15.9	19.3
Nevada	(3)	(3)	(3)	(3)	(3)	45	(3)	(3)	(3)	(3)	(3)	50.0
New Hampshire	59	87	68	71	76	98	13.1	19.1	14.9	15.5	16.5	21.1
New Jersey	643	771	792	973	1,015	1,209	18.6	21.2	21.3	25.6	26.1	30.4
New Mexico	(3)	(3)	(3)	(3)	(3)	97	(3)	(3)	(3)	(3)	(3)	23.2
New York	1,889	2,111	2,178	2,384	2,554	2,977	17.0	18.2	18.5	19.9	20.9	24.0
North Carolina	254	376	455	503	577	611	9.2	13.0	15.4	16.7	18.8	19.5
North Dakota	[8] 52	59	70	72	79	88	[8] 7.8	8.9	10.5	10.7	11.7	13.0
Ohio	988	1,285	1,371	1,494	1,708	1,990	16.3	20.6	20.8	23.3	26.3	30.2
Oklahoma	(3)	(3)	(3)	(3)	330	487	(3)	(3)	(3)	(3)	14.1	20.6
Oregon	125	144	187	194	249	221	14.9	16.5	21.0	21.4	26.9	23.5
Pennsylvania	1,405	1,576	1,734	1,860	1,882	2,159	15.6	17.1	18.6	19.8	19.9	22.6
Rhode Island	104	133	127	131	154	146	16.4	20.5	19.3	19.7	22.9	21.4
South Carolina	123	179	192	279	251	350	7.2	10.4	11.2	16.2	14.5	20.2
Tennessee	195	278	312	345	382	480	8.0	11.2	12.4	13.6	14.9	18.5
Utah	68	89	80	79	123	133	14.5	18.5	16.4	16.1	24.7	26.4
Vermont	42	56	45	60	69	64	11.8	15.7	12.6	16.8	19.3	17.8
Virginia	198	271	303	376	412	457	8.4	11.4	12.7	15.7	17.1	18.9
Washington	236	299	342	365	424	441	16.5	20.4	23.0	24.2	27.7	28.5
West Virginia	[2] 208	208	231	208	283	318	[2] 13.0	13.0	14.2	18.0	16.8	18.6
Wisconsin	306	397	384	511	620	612	11.2	14.2	13.6	17.9	21.5	21.0
Wyoming	[8] 51	67	56	66	59	73	[6] 24.7	31.7	26.1	30.4	26.8	32.7
REGISTRATION CITIES												
Akron	39	60	62	75	83	90	18.0	27.1	27.7	32.6	35.7	35.5
Albany	28	35	41	36	39	35	23.7	29.0	33.5	29.1	31.2	27.7
Atlanta	53	65	68	65	71	89	23.5	26.7	27.3	25.5	27.2	33.4
Baltimore	130	158	178	171	185	198	17.1	20.5	22.9	21.8	23.3	24.8
Birmingham	46	51	57	51	63	76	22.3	23.0	24.9	21.4	25.6	29.9
Boston	132	154	149	140	138	145	17.4	20.1	19.4	18.1	17.8	18.6

For footnotes see following page.

No. 422.—Automobile Fatalities in States and Large Cities Having Death Registration—Continued

City	Number of deaths						Rate per estimated 100,000 population					
	1921–1925, average	1925	1926	1927	1928	1929	1921–1925, average	1925	1926	1927	1928	1929
Bridgeport	25	26	31	25	44	39	17.3	17.9	21.3	17.1	30.1	26.6
Buffalo	111	119	135	137	151	184	21.0	21.9	24.6	24.7	26.9	32.4
Cambridge	22	22	19	28	26	31	19.8	19.7	16.9	24.9	23.0	27.3
Camden	37	43	59	65	77	94	31.6	36.6	50.1	55.1	65.1	79.3
Chicago	597	645	693	787	884	768	20.4	21.1	22.1	24.6	27.1	23.1
Cincinnati	91	115	109	119	132	150	21.8	26.9	25.2	27.2	29.8	33.5
Cleveland	189	231	265	250	273	312	22.7	27.0	30.7	28.6	30.9	34.9
Columbus	54	71	70	72	100	117	21.1	26.3	25.6	25.9	35.3	40.7
Dallas	37	59	61	49	66	67	19.2	27.8	27.2	20.8	27.0	26.4
Dayton	28	44	52	44	64	75	16.6	24.7	28.4	23.4	33.2	38.0
Denver	44	37	48	61	55	69	16.5	13.5	17.4	21.8	19.5	24.2
Des Moines	[7] 19	23	30	30	25	33	[7] 14.2	17.0	22.0	21.7	17.9	23.3
Detroit	242	346	399	403	360	392	21.0	27.7	30.3	29.1	24.8	25.8
Fall River	16	17	19	11	24	21	13.5	14.4	16.2	9.4	20.7	18.2
Fort Worth	[6] 21	32	30	31	44	55	[6] 15.3	21.6	19.9	20.2	27.7	34.1
Grand Rapids	28	45	32	35	33	44	19.1	29.3	20.5	21.6	20.1	26.4
Hartford	38	53	46	49	51	49	25.9	34.9	29.8	31.2	31.9	30.2
Houston	28	31	40	57	71	115	15.5	15.2	18.5	24.5	26.2	40.6
Indianapolis	58	78	83	84	120	129	17.5	22.9	24.0	24.0	33.8	35.8
Jersey City	46	64	41	65	48	73	15.1	20.8	13.2	20.9	15.3	23.1
Kansas City, Kans.	17	27	8	20	18	14	15.2	23.0	6.7	16.7	15.0	11.6
Kansas City, Mo.	78	87	82	80	96	82	22.3	23.8	22.0	21.1	24.8	20.8
Los Angeles	220	258	286	353	337	430	27.6	28.0	28.4	32.9	29.7	36.0
Louisville	53	64	64	81	80	86	18.9	21.2	20.9	26.4	26.1	28.0
Lowell	19	26	22	16	17	18	17.5	24.4	20.0	15.4	16.5	17.7
Memphis	41	52	57	68	80	82	23.4	28.6	30.7	36.9	39.6	39.9
Milwaukee	73	102	101	121	127	112	14.8	19.5	19.0	22.2	22.9	19.6
Minneapolis	68	76	69	64	89	108	16.7	18.0	16.1	14.4	19.7	23.5
Nashville	29	38	39	46	43	64	23.1	27.5	28.0	32.7	30.1	41.8
New Bedford	14	18	11	16	20	11	11.8	15.4	9.5	13.9	17.5	9.7
New Haven	34	40	42	48	49	62	20.9	24.6	25.8	29.5	30.1	38.1
New Orleans	64	78	85	96	114	124	15.5	18.3	19.6	21.8	25.5	27.3
New York	961	1,060	1,082	1,099	1,120	1,342	15.8	16.8	16.8	16.7	16.7	19.6
Newark, N. J.	94	110	109	122	117	126	27.2	25.6	25.2	28.0	26.7	28.6
Norfolk	17	24	25	35	25	28	13.3	17.5	18.4	26.1	18.9	21.4
Oakland	44	44	51	53	72	85	18.4	17.4	19.7	19.9	26.4	30.5
Omaha	30	35	33	49	45	60	15.1	17.2	16.0	23.6	21.4	28.3
Paterson	39	41	34	52	57	59	28.5	29.9	24.7	37.7	41.3	42.6
Philadelphia	262	296	329	324	318	381	14.0	15.6	17.3	16.9	16.5	19.6
Pittsburgh	146	166	163	215	160	197	23.7	26.5	25.8	32.8	24.2	29.6
Portland, Oreg.	40	42	52	62	64	56	14.7	14.9	18.2	21.4	21.8	18.7
Providence	56	79	61	64	77	69	23.1	32.1	24.7	25.7	30.8	27.4
Reading	20	19	19	30	30	32	18.4	17.3	17.3	27.2	27.0	28.8
Richmond	28	41	37	46	52	51	16.0	23.1	20.7	25.6	28.7	28.0
Rochester	48	54	65	62	68	58	15.6	17.2	20.5	19.4	21.1	17.8
St. Louis	164	201	172	169	205	172	20.8	25.1	21.4	19.7	25.2	21.0
St. Paul	45	42	46	57	58	69	18.2	16.5	17.8	21.8	21.9	25.7
Salt Lake City	28	42	33	30	45	58	22.3	32.3	25.0	22.3	33.0	41.8
San Antonio	30	39	40	48	64	72	16.2	19.6	19.4	22.6	29.1	31.8
San Francisco	107	105	128	166	138	119	19.4	18.3	21.8	27.7	22.5	19.0
Scranton	30	33	32	34	33	49	21.5	23.4	22.6	24.0	23.2	34.3
Seattle	52	66	69	79	90	104	15.6	19.3	19.9	22.4	25.2	28.7
Spokane	17	21	27	21	26	34	15.8	18.7	24.0	18.5	22.8	29.6
Springfield, Mass.	22	21	38	24	26	40	16.1	14.9	26.7	16.6	17.8	27.0
Syracuse	37	29	44	43	59	59	20.3	15.4	22.8	21.4	28.9	28.5
Toledo	52	67	74	108	85	106	20.1	24.9	27.1	38.6	29.9	36.8
Trenton	32	39	33	40	50	58	26.5	32.1	27.1	32.7	40.8	47.1
Washington, D. C.	80	88	98	108	124	117	17.6	19.0	20.9	22.8	25.9	24.2
Wilmington, Del.	21	21	20	40	49	33	19.3	19.4	26.9	37.2	45.7	30.9
Worcester	33	40	32	46	35	33	17.8	21.3	16.9	24.1	18.2	17.6
Yonkers	16	15	19	25	19	27	14.3	12.6	15.6	19.9	14.8	20.4
Youngstown	36	43	42	56	63	88	25.7	29.7	28.6	37.6	41.6	57.4

[1] Including the District of Columbia.
[2] 1925 only.
[3] Not in registration area.
[4] Average, 1922–1924.
[5] In 1925 State registration law declared unconstitutional; readmitted in 1928.
[6] Average, 1922–1925.
[7] Average, 1923–1925.
[8] Average, 1924–1925.

Source: Bureau of the Census, Department of Commerce.

20.—STEAM AND ELECTRIC RAILWAYS AND EXPRESS COMPANIES

[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 railways, 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 railways are divided into three classes, according to the amount of gross operating revenue in 1919: 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. The principal railroads of the eight regions are listed in Table 449.

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. 423.—RAILWAY MILEAGE OWNED AND MILEAGE OPERATED CLASSIFIED BY TRACKAGE

NOTE.—Beginning with 1908 switching and terminal roads are omitted (they operate about 2,000 miles of first main track). The first and second columns cover all railways 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					
		All railways: Road (first track)	Reporting railways				Class I railways: Road (first track)
			Road (first track)	Other main tracks	Yard track and sidings	Total track	
June 30, 1890	163,597	167,191	156,404	9,760	33,711	199,875	----------
1895	180,657	184,628	177,746	12,348	43,181	233,275	----------
1900	193,346	198,964	192,556	14,075	52,153	258,784	----------
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	92,019	371,238	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	99,910	391,141	228,989
Dec. 31, 1916	254,087	266,381	259,705	34,325	102,984	397,014	231,674
1917	253,626	266,015	259,705	35,066	105,582	400,353	232,697
1918	253,529	264,233	258,507	36,228	107,608	402,343	233,145
1919	253,152	263,707	258,525	36,730	108,637	403,892	234,363
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	409,359	234,976
1923	250,222	262,482	258,084	38,697	116,212	412,993	235,574
1924	250,156	262,158	258,238	39,916	116,874	415,028	235,894
1925	249,398	261,871	258,631	40,962	118,361	417,954	236,849
1926	249,138	261,562	258,815	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	429,055	242,015

Source: Interstate Commerce Commission.

No. 424.—RAILWAY MILEAGE OWNED: BY STATES

NOTE.—See headnote to Table 423. 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 [1]	1870 [1]	1880 [1]	1890	1900	1910 [2]	1920	1925	1928	1929
United States [3]	30,626	52,922	93,267	163,597	193,346	240,439	252,845	249,398	249,309	249,433
New England	3,660	4,494	5,982	6,718	7,521	7,921	7,942	7,754	7,580	7,600
Maine	472	786	1,005	1,338	1,915	2,248	2,295	2,228	2,198	2,197
New Hampshire	661	736	1,015	1,145	1,239	1,246	1,252	1,234	1,169	1,166
Vermont	554	614	914	921	1,012	1,100	1,077	1,057	1,034	1,057
Massachusetts	1,264	1,480	1,915	2,094	2,119	2,115	2,106	2,071	2,015	2,016
Rhode Island	108	136	210	213	212	212	211	196	196	196
Connecticut	601	742	923	1,007	1,024	1,000	1,001	968	968	968
Middle Atlantic	5,840	9,709	13,832	18,161	20,709	21,980	22,293	22,003	21,841	21,782
New York	2,682	3,928	5,957	7,661	8,121	8,430	8,390	8,373	8,338	8,331
New Jersey	560	1,125	1,684	2,047	2,257	2,260	2,362	2,292	2,295	2,297
Pennsylvania	2,598	4,656	6,191	8,453	10,331	11,290	11,551	11,338	11,208	11,154
South Atlantic	5,976	7,349	9,789	18,270	23,362	29,795	32,380	31,935	31,850	31,727
Delaware	127	197	275	323	347	335	335	332	325	325
District of Columbia	(4)	(4)	(4)	30	32	36	36	37	36	36
Maryland	386	671	1,040	1,231	1,376	1,426	1,436	1,447	1,427	1,430
Virginia	1,379	1,486	1,893	3,160	3,779	4,535	4,703	4,554	4,509	4,505
West Virginia	352	387	691	1,328	2,228	3,601	3,996	4,038	4,049	4,006
North Carolina	937	1,178	1,486	3,001	3,831	4,932	5,522	5,347	5,223	5,189
South Carolina	973	1,139	1,427	2,194	2,818	3,442	3,814	3,748	3,743	3,779
Georgia	1,420	1,845	2,459	4,532	5,652	7,056	7,326	6,980	6,800	6,762
Florida	402	446	518	2,471	3,299	4,432	5,212	5,452	5,738	5,686
East North Central	9,583	14,701	25,109	36,924	41,007	44,928	44,904	43,843	43,721	43,914
Ohio	2,946	3,538	5,792	7,912	8,807	9,134	9,002	8,812	8,867	8,810
Indiana	2,163	3,177	4,373	5,971	6,471	7,420	7,426	7,187	7,173	7,105
Illinois	2,790	4,823	7,851	10,214	11,003	11,878	12,188	11,904	12,119	12,511
Michigan	779	1,638	3,938	7,243	8,195	9,021	8,734	8,349	8,209	8,155
Wisconsin	905	1,525	3,155	5,584	6,531	7,475	7,554	7,501	7,353	7,333
West North Central	1,472	8,046	19,094	38,354	42,988	49,730	52,180	51,856	51,557	51,544
Minnesota		1,092	3,151	5,468	6,943	8,069	8,114	8,787	8,822	8,816
Iowa	655	2,683	5,400	8,356	9,185	9,755	9,808	9,814	9,751	9,709
Missouri	817	2,000	3,965	6,004	6,875	8,083	8,117	8,051	7,954	7,940
North Dakota		[5] 65	[5] 1,225	1,941	2,731	4,201	5,311	5,277	5,275	5,276
South Dakota		(6)	(6)	2,486	2,850	3,948	4,276	4,245	4,236	4,287
Nebraska		705	1,953	5,205	5,685	6,067	6,166	6,189	6,174	6,174
Kansas		1,501	3,400	8,896	8,719	9,007	9,388	9,493	9,345	9,342
South Central	3,392	4,656	6,343	11,144	13,343	17,074	17,754	17,492	17,593	17,537
Kentucky	534	1,017	1,530	2,746	3,060	3,526	3,929	4,005	4,037	4,033
Tennessee	1,253	1,492	1,843	2,752	3,137	3,816	4,078	4,063	4,008	3,962
Alabama	743	1,157	1,843	3,314	4,226	5,226	5,378	5,254	5,282	5,258
Mississippi	862	990	1,127	2,332	2,920	4,506	4,369	4,170	4,266	4,284
West South Central	660	1,417	5,044	13,782	18,221	31,122	32,972	32,588	32,983	33,145
Louisiana	335	460	652	1,759	2,824	5,554	5,223	4,868	4,772	4,703
Texas	307	711	3,244	8,613	9,886	14,282	16,125	16,198	16,771	16,891
Oklahoma			289	1,214	2,151	5,980	6,572	6,621	6,618	6,682
Arkansas	38	256	859	2,196	3,360	5,306	5,052	4,901	4,822	4,809
Mountain		1,466	5,082	12,676	15,808	22,956	25,170	24,723	24,972	24,866
Montana			106	2,181	3,010	4,207	5,072	5,037	5,232	5,231
Wyoming		459	512	942	1,229	1,645	1,931	1,992	2,042	2,043
Colorado		157	1,570	4,176	4,587	5,533	5,519	5,077	4,983	4,967
New Mexico			758	1,324	1,753	3,032	2,972	2,998	2,964	2,875
Arizona			349	1,097	1,512	2,097	2,478	2,378	2,495	2,494
Utah		257	842	1,090	1,547	1,986	2,161	2,189	2,194	2,194
Nevada		593	739	925	909	2,277	2,160	2,137	2,123	2,123
Idaho			206	941	1,261	2,179	2,877	2,915	2,939	2,939
Pacific	23	1,084	2,992	7,567	10,389	14,932	17,248	17,204	17,212	17,318
Washington			289	1,783	2,914	4,875	5,587	5,559	5,565	5,539
Oregon		159	508	1,428	1,724	2,235	3,305	3,357	3,410	3,487
California	23	925	2,195	4,356	5,751	7,772	8,356	8,288	8,231	8,292
Alaska Territory					22	390	246	801	793	790
Hawaii Territory						175	243	252	229	231

[1] Represents mileage operated.
[2] Revised total 240,293 not distributed by States.
[3] Totals exclude Alaska and Hawaii.
[4] Included in returns for Maryland.
[5] Figures for Dakota.
[6] For total Dakota see North Dakota.

Source: Interstate Commerce Commission.

No. 425.—RAILWAY MILEAGE OWNED AND OPERATED

NOTE.—See note to Table 423. 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	1888		156,114	1909	230,834	235,402
1850		9,021	1889		161,276	1910	240,293	240,831
1855		18,374	1890	163,597	156,404	1911	243,979	246,238
1860		30,626	1891	168,403	161,275	1912	246,777	249,852
1865		35,085	1892	171,564	162,397	1913	249,777	253,470
1870		52,922	1893	176,461	169,780	1914	252,105	256,547
1873		70,268	1894	178,709	175,691	1915	253,789	257,569
1874		72,385	1895	180,657	177,746	1916	254,037	259,705
1875		74,096	1896	182,777	181,983	1917	253,626	259,705
1876		76,808	1897	184,428	183,284	1918	253,529	258,507
1877		70,082	1898	186,396	184,648	1919	253,152	258,525
1878		81,747	1899	189,295	187,535	1920	252,845	259,941
1879		86,556	1900	193,346	192,556	1921	251,170	258,302
1880		93,262	1901	197,237	195,562	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	250,156	258,238
1883		121,422	1904	213,904	212,243	1925	249,398	258,631
1884		125,345	1905	218,101	216,974	1926	249,138	258,815
1885		128,320	1906	224,363	222,340	1927	249,131	259,639
1886		136,338	1907	229,951	227,455	1928	249,309	260,546
1887		149,214	1908	233,408	230,494	1929	249,433	260,570

Source: Poor's Manual of Railroads prior to 1890; Interstate Commerce Commission thereafter.

No. 426.—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 430

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	98,343
1921	234,702	37,454	107,098	379,254	64,949	2,385,470	36,935	98,504
1922	234,976	37,704	109,463	382,143	64,512	2,401,452	37,441	98,847
1923	235,574	38,573	111,708	385,855	65,327	2,544,115	39,177	101,318
1924	235,894	39,735	112,253	387,882	65,358	2,593,178	39,891	104,149
1925	236,849	40,817	113,873	391,539	63,974	2,586,868	40,666	105,570
1926	237,054	41,537	116,353	394,944	62,761	2,611,238	41,880	105,953
1927	238,634	41,926	118,654	399,214	61,344	2,606,171	42,798	105,846
1928	240,747	42,255	120,479	403,481	59,441	2,579,643	43,838	105,322
1929	242,015	[1] 42,556	121,882	406,453	57,527	2,550,813	44,801	105,411
Eastern district:								
1916	59,175	20,879	40,056	120,110	28,179	958,339	34,333	47,185
1921	58,885	22,108	43,031	124,024	29,468	1,118,251	38,313	49,161
1923	59,302	22,404	44,820	126,526	29,479	1,193,235	40,888	49,633
1925	59,249	22,882	45,054	127,185	28,409	1,193,573	42,408	51,449
1927	59,135	23,264	45,869	128,268	26,916	1,181,792	44,475	51,597
1928	59,450	23,354	46,184	128,988	25,919	1,159,102	45,425	51,087
1929	60,362	23,448	46,677	130,487	24,921	1,141,547	46,563	50,998
Southern district:								
1916	42,753	3,940	15,605	62,388	9,754	323,023	33,165	15,633
1921	43,826	4,475	17,379	65,680	10,780	401,280	37,273	17,174
1923	43,804	4,694	18,188	66,776	10,803	428,896	39,435	17,818
1925	44,241	5,707	19,199	69,147	11,158	457,579	41,112	18,968
1927	45,416	6,075	20,815	72,306	11,229	483,124	43,155	19,424
1928	45,760	6,122	21,241	73,123	11,126	485,761	43,944	19,389
1929	46,758	6,149	21,387	73,294	10,808	478,826	44,600	19,177
Western district:								
1916	129,746	9,310	42,583	181,639	23,399	742,757	31,827	29,463
1921	131,991	10,871	46,688	189,550	24,701	865,939	35,155	32,169
1923	132,378	11,475	48,700	192,553	24,955	921,984	37,057	33,867
1925	133,359	12,228	49,620	195,207	24,407	935,716	38,448	35,153
1927	134,083	12,587	51,970	198,640	23,200	941,255	40,698	34,825
1928	135,537	12,779	53,054	201,370	22,396	934,780	41,967	34,846
1929	135,895	12,959	53,818	202,672	21,808	930,440	42,909	35,236

[1] Includes second track, 36,721 miles; third track, 3,207 miles; fourth and other, 2,628 miles.

Source: Interstate Commerce Commission.

No. 427.—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, 1,940 miles; 1925, 3,087 miles; 1927, 2,920 miles; 1928, 2,917 miles; 1929, 2,893 miles, consisting of 1,719 miles of road, 501 miles of second main track, 70 miles of industrial tracks, and 603 miles of yard track and sidings. Figures also include some industrial tracks as follows: 1925, 20,407 miles; 1927, 21,403 miles; 1928, 21,490 miles; 1929, 21,703 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
All districts:										
1916	364,137	231,674	29,223	2,716	2,190	98,334	(1)	(1)	(1)	(1)
1920	377,379	235,234	31,512	2,936	2,280	105,408	3,132	1,449	900	783
1925	391,539	236,848	35,200	3,111	2,506	113,874	[2] 3,598	[2] 1,674	972	952
1928	403,481	240,747	36,409	3,160	2,596	120,479	4,850	2,383	1,213	1,224
1929	406,453	242,015	36,721	3,207	2,628	121,882	4,914	2,382	1,250	1,282
Eastern district:										
1916	120,110	59,175	16,666	2,408	1,805	40,056	(1)	(1)	(1)	(1)
1928	128,988	59,450	18,588	2,712	2,054	46,184	2,834	1,099	987	748
1929	130,487	60,362	18,621	2,743	2,084	46,677	2,842	1,088	987	767
Southern district:										
1916	62,389	42,758	3,725	43	173	15,695	(1)	(1)	(1)	(1)
1928	73,123	45,760	5,670	126	326	21,241	633	270	175	188
1929	73,294	45,758	5,606	127	326	21,387	657	270	181	206
Western district:										
1916	181,638	129,746	8,832	265	212	42,583	(1)	(1)	(1)	(1)
1928	201,370	135,537	12,241	322	216	53,054	1,383	1,014	81	288
1929	202,672	135,895	12,404	337	218	53,818	1,415	1,024	82	309

[1] Data not available.
[2] Does not include 43 miles of electric street railways operated by Boston & Maine R. R.

No. 428.—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
June 30, 1908	3,227	1,140	171,556	70,976	2,183	1,630
1909	1,549	1,333	67,925	83,223	1,786	1,591
1910	3,073	1,452	134,593	75,652	3,505	1,914
1911	3,694	1,468	125,532	68,031	4,250	1,701
1912	2,861	1,858	97,972	69,876	3,060	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
Dec. 31, 1917	2,148	1,423	117,210	62,253	2,635	1,671
1918	2,803	977	65,249	56,024	1,817	1,051
1919	2,062	999	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	1,081	929
1922	1,226	1,682	105,394	126,471	1,328	1,286
1923	4,360	3,746	232,060	213,789	2,658	2,360
1924	2,786	2,529	156,572	118,590	2,755	2,295
1925	1,600	2,373	139,083	128,573	3,230	3,569
1926	1,882	3,105	93,369	103,152	3,455	3,309
1927	1,542	2,976	73,254	96,901	2,646	3,612
1928	1,017	3,047	62,945	90,707	2,524	3,252
1929	1,229	3,134	94,946	115,869	2,663	3,499

Source of Tables 427 and 428: Interstate Commerce Commission.

No. 429.—RAILWAY EQUIPMENT IN SERVICE, ALL REPORTING COMPANIES

NOTE.—"All reporting companies" include switching and terminal but not circular and unofficial lines. Data for tractive power and capacity of cars exclude switching roads beginning with 1908 and 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	Locomotives					Freight-train cars [1]			Passenger-train cars
	Total number	Steam			Electric, number	Total number	Capacity		
		Number	Tractive power				Aggregate (1,000 tons)	Average (tons)	
			Aggregate (1,000 lbs.)	Average (lbs.)					
June 30, 1890	30,140	-------	-------	-------	-------	918,401	-------	-------	26,820
1895	35,699	-------	-------	-------	-------	1,196,119	-------	-------	33,112
1900	37,663	-------	-------	-------	-------	1,365,531	-------	-------	34,713
1905	48,357	-------	1,128,771	23,666	-------	1,731,409	53,255	30.8	40,713
1910	60,019	-------	1,558,894	27,282	-------	2,148,478	76,579	35.9	47,179
1915	66,502	66,229	[2] 2,014,201	[2] 31,546	273	2,341,567	[3] 92,238	[3] 39.6	55,810
Dec. 31, 1916	65,595	65,253	[2] 2,066,166	[2] 32,890	342	2,329,475	[3] 94,441	[3] 40.8	55,193
1917	66,070	65,699	[4] 2,087,950	[4] 33,632	371	2,379,472	[4] 95,467	[4] 41.5	55,939
1918	67,936	67,563	[4] 2,223,246	[4] 34,995	373	2,397,943	[4] 96,767	[4] 41.6	56,611
1919	68,977	68,592	[4] 2,312,634	[4] 35,789	385	2,426,889	[4] 99,001	[4] 41.9	56,290
1920	68,942	68,554	[4] 2,340,761	[4] 36,365	388	2,388,424	[4] 98,343	[4] 42.4	56,102
1921	69,122	68,733	[4] 2,385,470	[4] 36,935	389	2,378,510	[4] 98,504	[4] 42.5	56,950
1922	68,518	68,121	[4] 2,401,452	[4] 37,441	397	2,352,483	[4] 98,847	[4] 43.1	56,827
1923	69,414	69,005	[4] 2,544,115	[4] 39,177	409	2,379,131	[4] 101,318	[4] 43.8	57,159
1924	69,486	69,114	[4] 2,593,178	[4] 39,891	372	2,411,627	[4] 104,149	[4] 44.3	57,451
1925	68,092	67,713	[4] 2,586,868	[4] 40,666	379	2,414,083	[4] 105,570	[4] 44.8	56,814
1926	66,816	66,381	[4] 2,611,238	[4] 41,886	435	2,403,967	[4] 105,953	[4] 45.1	56,855
1927	65,348	64,843	[4] 2,606,171	[4] 42,798	467	2,378,800	[4] 105,846	[4] 45.5	55,729
1928	63,311	62,642	[4] 2,579,643	[4] 43,338	617	2,346,751	[4] 105,322	[4] 45.8	54,800
1929	61,257	60,572	[4] 2,550,813	[4] 44,801	621	2,323,683	[4] 105,411	[4] 46.3	53,838

[1] Excludes caboose cars.
[2] Class I, Class II, and Class III roads.
[3] Class I and Class II roads.
[4] Class I roads.

No. 430.—CLASSIFICATION OF RAILWAY CARS IN SERVICE

NOTE.—Data relate to June 30 prior to 1916 and Dec. 31 thereafter. 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, 1929			
	1910	1915	1920	1925	1929	Total	Eastern district	Southern district	Western district
Freight cars [1]	2,148,478	2,341,567	2,388,424	2,414,083	2,323,683	2,277,464	1,042,420	418,182	816,862
Box	966,603	1,041,695	1,056,514	1,086,502	1,058,252	1,053,057	449,541	168,884	434,632
Flat	153,958	146,343	117,604	113,562	108,902	99,397	20,669	21,612	57,116
Stock	78,811	86,326	81,678	87,452	85,131	84,683	14,358	7,630	62,695
Coal	818,731	910,637	968,034	979,483	935,985	913,404	532,668	206,931	173,865
Tank	7,434	10,165	11,130	12,151	11,041	9,613	28	22	9,563
Refrigerator	30,918	52,446	60,708	49,488	41,406	40,741	4,047	5,175	31,519
Other	78,666	93,955	92,696	85,385	82,876	76,509	21,109	7,928	47,472
Steel [2]	(3)	501,309	630,150	757,065	829,154	829,154	545,880	150,634	132,640
Steel underframe [2]	(3)	676,176	886,296	1,056,125	1,103,121	1,103,121	441,244	195,562	466,315
Caboose cars	27,224	28,965	29,575	31,325	30,235	29,299	12,131	5,737	11,431
Passenger-train cars	[4] 47,179	55,810	56,102	56,814	53,838	52,259	25,930	8,032	18,297
Coaches	25,881	30,135	29,343	28,744	25,424	24,680	12,979	3,765	7,936
Combination	5,697	8,847	8,570	8,624	8,437	7,759	3,270	1,333	3,156
Emigrant	97	50	11	7	-------	-------	-------	-------	-------
Parlor	634	651	574	502	501	494	97	74	323
Sleeping	490	750	558	377	248	246	6	7	233
Baggage and express	[5] 11,524	9,938	12,101	13,174	13,020	12,918	6,660	1,783	4,475
Postal	(5)	1,566	1,243	1,092	991	985	366	190	429
Other	2,752	3,873	3,702	4,294	5,217	5,177	2,552	880	1,745
Steel [2]	(3)	10,859	15,111	21,190	28,203	28,203	15,946	3,536	8,721
Steel underframe [2]	(3)	5,160	6,573	9,369	9,985	9,985	5,358	1,565	3,062
Company service equipment	80,891	98,752	108,485	112,592	111,815	108,364	35,443	18,367	54,554
Motor cars and trailers [2]	(3)	(3)	(3)	2,469	5,090	5,090	3,793	421	876

[1] Excludes caboose cars; total for 1910 includes 13,357 unclassified cars.
[2] Data represent Class I roads only.
[3] Data not available.
[4] Includes 104 unclassified cars.
[5] Postal cars included with baggage and express.

Source of Tables 429 and 430: Interstate Commerce Commission.

No. 431.—FREIGHT-CAR PERFORMANCE AND EQUIPMENT CONDITION

NOTE.—Data relate to Class I carriers. Yearly averages for 1920 to 1925 are as follows: Freight car-miles per car-day, 1920, 25.1; 1921, 22.4; 1922, 23.5; 1923, 27.8; 1924, 26.8; 1925, 28.5; percentage of unserviceable freight cars, 1920, 7.0; 1921, 13.1; 1922, 12.8; 1923, 8.0; 1924, 7.8; 1925, 7.7; percentage of unserviceable locomotives, 1920, 24.5; 1921, 23.7; 1922, 24.9; 1923, 21.4; 1924, 18.7; 1925, 17.8

Month	Freight-car miles per car day					Percentage of unserviceable freight cars					Percentage of unserviceable locomotives (freight and passenger)				
	1926	1927	1928	1929	1930	1926	1927	1928	1929	1930	1926	1927	1928	1929	1930
Yearly average	30.4	30.3	31.2	32.3	28.7	6.5	5.9	6.2	6.0	6.2	16.6	16.2	16.3	16.3	17.5
January	27.6	28.5	27.6	29.5	28.2	6.6	5.6	5.8	6.0	5.4	17.1	16.6	16.0	16.8	16.8
February	28.6	30.4	29.8	32.3	30.0	6.7	5.7	5.9	6.2	5.5	17.3	16.8	16.6	16.9	17.3
March	29.2	30.9	30.9	32.3	28.9	6.7	5.6	6.0	6.2	5.6	17.6	17.0	16.6	17.0	17.2
April	29.0	29.5	29.9	32.0	29.6	6.7	5.6	6.2	6.2	5.7	17.5	16.9	16.7	16.9	17.2
May	29.8	30.2	31.1	32.9	29.4	6.8	5.9	6.5	6.3	5.9	17.0	16.6	16.5	16.2	16.9
June	30.1	30.0	30.3	32.4	28.3	6.9	6.1	6.3	6.2	6.1	16.6	16.4	16.1	15.9	17.0
July	30.5	29.1	30.3	32.0	28.2	7.0	6.2	6.4	6.3	6.3	16.1	15.8	16.1	15.8	17.1
August	31.5	30.9	32.1	33.5	28.9	7.0	6.2	6.5	6.0	6.5	16.1	15.8	16.1	15.8	17.3
September	32.7	32.6	33.8	34.2	29.9	6.6	6.0	6.5	6.0	6.9	15.8	15.3	16.0	15.9	17.6
October	34.3	34.7	36.2	36.3	31.5	6.1	5.9	6.2	5.7	6.9	15.8	15.5	16.2	16.0	17.9
November	32.1	30.2	33.2	32.4	27.5	5.8	5.9	6.1	5.6	7.0	16.3	16.7	16.6	16.4	18.7
December	29.3	26.9	29.5	28.2	23.7	5.5	5.8	5.9	5.4	6.7	16.0	15.6	16.4	16.2	18.7

Source: Bureau of Railway Economics.

No. 432.—RECEIVERSHIPS OF RAILWAYS

Year (calendar, except as noted)	Under receivership end of year [1]		Placed under receivership			Year (calendar, except as noted)	Under receivership end of year [1]		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	1906	34	3,971	6	204	55,042
1882			12	912	39,074	1907	29	3,926	7	317	13,585
1883			11	1,990	108,470	1908	52	9,529	24	8,009	506,359
1884			37	11,038	714,755	1909	44	10,530	5	859	78,095
1885			44	8,886	385,460	1910	39	5,257	7	735	51,428
1886			13	1,799	70,346	1911	39	4,593	5	2,606	210,607
1887			9	1,046	90,318	1912	44	9,786	13	3,784	182,112
1888			22	3,270	186,814	1913	49	16,286	17	9,020	477,781
1889			22	3,803	99,664	1914	68	18,608	22	4,222	199,571
1890			26	2,963	105,007	1915	85	30,223	12	20,143	1,070,809
1891			26	2,159	84,479	1916	80	34,804	9	4,439	208,160
1892			36	10,508	357,692	1917	82	17,376	19	2,486	61,170
1893			74	29,340	1,781,046	1918	74	19,208	8	3,519	242,091
1894	192	40,819	38	7,025	395,791	1919	65	16,590	7	244	11,887
1895	169	37,856	31	4,089	369,075	1920	61	16,290	10	541	21,620
1896	151	30,475	34	5,441	275,597	1921	68	13,512	14	1,744	63,872
1897	128	18,862	18	1,537	92,909	1922	64	15,259	12	4,330	329,115
1898	94	12,745	18	2,069	138,701	1923	64	12,623	10	2,218	87,914
1899	71	9,853	10	1,019	52,285	1924	61	8,105	11	920	30,223
1900	52	4,178	16	1,165	78,234	1925	53	18,687	6	11,368	680,422
1901	45	2,497	4	73	1,627	1926	45	17,632	6	88	2,821
1902	27	1,475	5	278	5,835	1927	40	10,752	6	924	45,237
1903	27	1,185	9	229	18,823	1928	33	5,256	1	19	529
1904	28	1,323	8	744	30,069	1929	29	5,703	3	634	30,981
1905	26	796	10	3,593	176,321	1930	[2]	[2]	4	4,752	277,324

[1] Data relate to June 30 prior to 1916, Dec. 31 thereafter. [2] Data not available.

Sources: First two columns, Interstate Commerce Commission; others, The Railway Age, Chicago.

No. 433.—EMPLOYEES OF RAILWAYS: NUMBER AND COMPENSATION[1]

Year ended—	All operating carriers: Average number of employees	Total yearly compensation (1,000 dollars)	Average compensation: Per hour[2]	Average compensation: Per year
June 30:				
1890	749,301			
1895	785,034	445,508		$568
1900	1,017,653	577,265		567
1901	1,071,169	610,714		570
1902	1,189,315	676,029		568
1903	1,312,537	757,321		577
1904	1,206,121	817,590		631
1905	1,382,196	839,945		608
1906	1,521,355	900,802		592
1907	1,672,074	1,072,386		641
June 30:				
1908	1,436,275	1,035,438		$721
1909	1,502,823	988,324		658
1910	1,699,420	1,143,725		673
1911	1,669,809	1,208,466		724
1912	1,716,380	1,252,348		730
1913	1,815,239	1,373,831		757
1914	1,710,206	1,331,117		808
1916	1,654,075	1,403,968	$0.266	849
Dec. 31:				
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[2]	Average compensation: Per year
1916	1,700,814	1,647,097	5,189,701	1,468,576	3,150.9	$0.283	$892
1917	1,785,893	1,732,576	5,437,977	1,739,482	3,138.1	.320	1,004
1918[3]	1,891,517	1,841,575	5,701,417	2,613,813	3,095.9	.458	1,419
1919[3]	1,960,439	1,913,422	5,032,493	2,843,128	2,630.1	.565	1,486
1920	2,075,886	2,022,832	5,446,741	3,681,801	2,692.6	.676	1,820
1921	1,705,308	1,659,513	4,147,319	2,765,218	2,499.1	.667	1,666
1922	1,669,649	1,626,834	4,311,097	2,640,817	2,650.0	.613	1,623
1923	1,902,222	1,857,674	4,928,651	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	2,860,600	2,597.8	.631	1,640
1926	1,821,804	1,779,275	4,671,730	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	1,691,950	1,656,411	4,313,574	2,826,590	2,604.2	.655	1,706
1929	1,604,042	1,560,850	4,346,822	2,896,566	2,617.2	.666	1,744
1930	[4] 1,518,108	1,488,353	3,759,792	2,550,544	2,526.1	.678	1,714

[1] 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.
[2] Calculated for all classes of employees, including those not paid on an hourly basis.
[3] Data cover Federal reports, reports of companies not under Federal control, and corporate reports.
[4] Estimated from data for Class I roads.

Source: Interstate Commerce Commission.

No. 434.—EMPLOYEES AND THEIR COMPENSATION: CLASS I CARRIERS

NOTE.—Data relate to years ended Dec. 31. Class I switching and terminal companies are included. Average compensation in fifth and sixth columns is per day where so indicated in the footnote or stub. Data shown for principal occupations only. Data for occupations not shown included in group totals

Occupation	Average number of employees: 1929	Average number of employees: 1930	Total compensation (1,000 dollars): 1929	Total compensation (1,000 dollars): 1930	Average per hour, straight time (dollars): 1929	Average per hour, straight time (dollars): 1930	Average per month, total compensation (dollars): 1929	Average per month, total compensation (dollars): 1930
All employees, all districts	1,686,769	1,510,688	2,940,869	2,590,275				
Daily basis	*123,503*	*119,422*	*339,153*	*331,379*	*8.42*	*8.55*	*229*	*231*
Hourly basis	*1,563,267*	*1,391,266*	*2,601,716*	*2,258,896*	*.625*	*.635*	*139*	*135*
Eastern district	734,207	664,376	1,352,517	1,187,101				
Daily basis	*59,589*	*57,662*	*158,114*	*154,164*	*8.09*	*8.20*	*231*	*223*
Hourly basis	*674,868*	*606,714*	*1,194,403*	*1,032,937*	*.665*	*.672*	*148*	*142*
Southern district	311,476	280,230	488,558	436,329				
Daily basis	*19,523*	*19,019*	*56,711*	*54,967*	*8.80*	*8.95*	*238*	*241*
Hourly basis	*291,953*	*261,211*	*432,847*	*383,362*	*.674*	*.685*	*124*	*122*
Western district	641,086	566,082	1,099,794	964,845				
Daily basis	*44,440*	*42,741*	*125,328*	*123,248*	*8.70*	*8.85*	*235*	*238*
Hourly basis	*596,646*	*523,341*	*974,466*	*843,097*	*.605*	*.618*	*136*	*134*

No. 434.—Employees and Their Compensation: Class I Carriers—Con.

Occupation	Average number of employees		Total compensation (1,000 dollars)		Average per hour, straight time (dollars)		Average per month, total compensation (dollars)	
	1929	1930	1929	1930	1929	1930	1929	1930
Executives, officials, and staff assistants	16,995	16,599	96,048	95,397				
Daily basis	*16,995*	*16,599*	*96,048*	*95,397*	*17.78*	*18.14*	*471*	*479*
Executives, general officers, and assistants	7,698	7,650	57,338	57,838	[1]24.07	[1]24.52	621	630
Division officers and assistants	9,297	8,949	38,710	37,559	[1]12.79	[1]12.92	347	350
Professional, clerical, and general	270,568	254,093	474,648	448,837				
Daily basis	*54,185*	*52,813*	*127,125*	*125,441*	*7.52*	*7.64*	*196*	*198*
Hourly basis	*216,381*	*201,280*	*347,523*	*323,396*	*.627*	*.636*	*134*	*134*
Supervisory clerks (major departments)	4,954	4,853	14,908	14,702	[1]9.67	[1]9.77	251	252
Chief clerks (minor departments)	12,942	12,779	30,299	29,966	[1]7.42	[1]7.49	195	195
Clerks	153,454	141,474	255,342	235,835	.651	.662	139	139
Mechanical-device operators (office)	8,180	7,751	11,420	10,732	.569	.573	116	115
Stenographers and typists	21,058	19,858	31,490	29,862	.613	.621	125	125
Telephone-switchboard operators and office assistants	5,011	4,773	4,895	4,703	.397	.403	81	82
Messengers and office boys	9,168	5,728	4,509	4,196	[1]2.31	[1]2.31	61	61
Lieutenants and sergeants of police	2,287	2,208	4,360	4,715	[1]6.15	[1]6.19	177	178
Patrolmen	5,235	4,914	9,645	9,016	.566	.571	154	153
Traffic, advertising, and development agents	7,737	7,865	20,904	21,287	[1]8.80	[1]8.83	226	226
Janitors and cleaners	7,694	7,309	7,374	7,012	.375	.375	80	79
Maintenance of way and structures	411,210	349,202	468,025	393,896				
Daily basis	*5,135*	*5,015*	*15,268*	*14,972*	*9.28*	*9.35*	*248*	*249*
Hourly basis	*406,075*	*344,187*	*452,757*	*378,924*	*.443*	*.456*	*93*	*93*
Roadmasters and general foremen	3,407	3,284	10,319	9,907	[1]9.45	[1]9.52	252	254
Bridge and building gang foremen (skilled)	5,472	4,898	11,513	10,198	.828	.841	175	174
Bridge and building carpenters	22,045	19,371	33,615	28,790	.626	.635	127	124
Bridge and building painters	3,096	2,000	4,629	2,906	.633	.646	125	121
Skilled trades helpers	11,230	9,109	13,651	10,743	.503	.507	101	98
Pumping equipment operators	4,319	3,868	4,503	4,028	.343	.340	87	87
Gang foremen (extra gang, work train, bridge, and building and signal and telegraph laborers)	5,162	3,936	9,289	6,950	.660	.681	150	147
Gang or section foremen	39,897	39,276	63,341	62,050	.617	.627	132	132
Laborers (extra gang and work train)	67,156	47,347	63,515	41,981	.364	.362	79	74
Track and roadway section laborers	210,084	179,691	185,415	152,718	.357	.360	74	71
Maintenance of way laborers (not track and roadway)	8,217	6,803	7,691	6,254	.382	.382	78	77
General foremen and supervising inspectors (signal, telegraph, etc.)	571	575	1,791	1,805	[1]9.72	[1]9.83	261	262
Gang foremen (signal and telegraph, skilled trades)	1,508	1,504	3,749	3,729	.953	.975	207	207
Signalmen and signal maintainers	9,457	9,235	19,576	18,951	.801	.811	173	171
Assistant signalmen and signal maintainers	3,239	2,930	5,231	4,730	.653	.660	135	135
Signalmen and signal maintainer helpers	4,258	3,867	5,755	5,219	.545	.558	113	112
Maintenance of equipment and stores	455,858	405,900	760,472	646,156				
Daily basis	*15,733*	*14,862*	*47,667*	*45,019*	*9.09*	*9.16*	*252*	*252*
Hourly basis	*440,125*	*391,038*	*712,805*	*601,137*	*.639*	*.645*	*135*	*128*
General foremen	1,417	1,364	5,230	5,029	[1]10.94	[1]10.96	308	307
Assistant general and department foremen	10,510	10,016	33,305	31,645	[1]9.32	[1]9.36	264	263
Gang foremen and leaders (skilled)	9,926	9,036	27,181	24,356	.947	.953	228	225
Blacksmiths	7,732	6,759	15,060	11,964	.835	.840	162	148
Boilermakers	16,207	14,646	33,307	28,174	.832	.843	172	160
Carmen	99,430	86,106	189,910	155,095	.759	.765	159	150
Electrical workers	10,403	10,139	21,568	20,051	.784	.791	173	165
Machinists	54,714	50,723	110,447	95,847	.816	.825	168	157

[1] Daily basis.

No. 434.—Employees and Their Compensation: Class I Carriers—Con.

Occupation	Average number of employees		Total compensation (1,000 dollars)		Average per hour, straight time (dollars)		Average per month, total compensation (dollars)	
	1929	1930	1929	1930	1929	1930	1929	1930
Maintenance of equipment, etc.—Continued.								
Sheet-metal workers	10,931	10,030	21,888	18,819	0.817	0.826	167	156
Skilled trades helpers	101,208	89,276	145,474	120,592	.578	.584	120	113
Helper apprentices	4,693	3,630	6,502	4,659	.607	.617	117	107
Regular apprentices	10,616	9,008	10,820	8,494	.451	.465	85	79
Gang foremen laborers (shops, engine houses, power plants, stores)	3,758	3,438	6,217	5,615	.610	.617	138	136
Coach cleaners	12,053	11,374	14,097	12,970	.414	.410	97	95
Laborers	89,786	78,856	95,065	80,696	.408	.410	88	85
Stationary engineers and firemen	7,123	6,604	12,530	11,620	.603	.610	147	147
Transportation (other than train service, engine, and yard)	195,948	180,881	298,541	274,092				
Daily basis	*24,641*	*23,767*	*30,718*	*29,586*	*3.54*	*3.59*	*104*	*105*
Hourly basis	*171,307*	*157,114*	*267,823*	*244,506*	*.577*	*.585*	*130*	*130*
Train dispatchers and directors	5,252	5,022	17,820	17,034	1.249	1.256	283	283
Station agents—								
Nontelegraphers—								
Major stations—supervisory	2,466	2,436	7,648	7,566	[1] 9.50	[1] 9.48	258	259
Smaller stations—supervisory	5,134	4,929	11,361	10,990	.831	.842	184	186
Nonsupervisory	3,078	2,903	3,909	3,765	.498	.503	106	105
Telegraphers and telephoners	18,664	18,357	33,506	32,684	.653	.657	150	148
Clerks—telegraphers and telephoners	13,268	12,122	23,994	22,002	.649	.654	151	151
Telegraphers, telephoners, and towermen	23,187	21,792	43,390	40,773	.683	.689	156	156
Baggage agents and assistants	708	647	1,217	1,121	.593	.601	143	144
Baggage, parcel-room, and station attendants	8,378	7,837	11,020	10,219	.475	.478	110	109
Gang foremen (freight station, warehouse, grain elevator, and dock labor)	3,519	3,336	6,308	5,934	.672	.679	149	148
Callers, loaders, sealers, sealers, perishable-freight inspectors	14,979	13,302	19,500	16,034	.533	.530	108	100
Truckers	34,013	28,529	39,499	31,932	.466	.466	97	93
Laborers	6,361	5,770	7,390	6,487	.426	.428	97	94
Crossing and bridge flagmen and gatemen	20,602	19,335	19,100	18,563	[1] 2.60	[1] 2.63	77	78
Transportation (yardmasters, switch tenders, and hostlers)	21,788	20,303	51,877	47,887				
Daily basis	*6,813*	*6,366*	*22,331*	*20,664*	*8.98*	*8.98*	*273*	*270*
Hourly basis	*14,975*	*13,937*	*29,546*	*27,203*	*.691*	*.690*	*164*	*163*
Yardmasters and assistants	6,813	6,366	22,331	20,664	[1] 8.98	[1] 8.98	273	270
Switch tenders	5,232	4,851	9,436	8,691	.646	.646	150	149
Hostlers	8,068	7,498	16,977	15,585	.732	.732	176	173
Transportation (train and engine service)	314,404	283,710	791,256	684,030				
Hourly basis	*314,404*	*283,710*	*791,256*	*684,030*	*.842*	*.845*	*210*	*201*
Road passenger conductors	10,077	9,685	32,014	30,529	.952	.953	265	263
Road freight conductors	24,098	21,075	69,717	58,467	.858	.860	241	231
Road passenger baggagemen	5,477	5,353	13,314	12,929	.714	.716	203	201
Road passenger brakemen and flagmen	13,067	12,411	28,232	26,496	.669	.668	180	178
Road freight brakemen and flagmen	56,587	49,929	123,086	103,101	.680	.682	181	172
Yard conductors and yard foremen	21,880	19,602	55,910	48,110	.896	.897	213	205
Yard brakemen and yard helpers	53,267	48,011	116,878	99,406	.827	.827	183	173
Road passenger engineers and motormen	12,558	12,177	43,429	41,361	1.268	1.269	288	283
Road freight engineers and motormen	29,411	25,986	98,297	81,994	1.035	1.039	279	263
Yard engineers and motormen	21,859	19,441	57,986	49,798	.940	.941	221	213
Road passenger firemen and helpers	11,519	11,061	30,168	28,301	.994	.998	218	213
Road freight firemen and helpers	30,979	27,789	74,103	61,828	.783	.786	199	186
Yard firemen and helpers	22,325	19,948	44,675	38,263	.732	.733	167	160

[1] Daily basis.

Source: Interstate Commerce Commission.

No. 435.—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 1908; their total capitalization in 1929 was $714,824,000. 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	3,803	906	4,575	964	443	7,577	----------	3,445	4,132	54.5
1895	10,347	4,202	760	5,385	1,052	396	8,900	----------	3,910	4,989	56.1
1900	11,491	4,522	1,323	5,645	1,470	473	9,548	----------	4,375	5,172	54.2
1905	13,805	5,181	1,374	7,251	2,070	568	11,167	----------	4,485	6,683	59.8
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
1917	21,249	7,465	1,848	11,947	2,720	2,128	16,402	66,699	6,583	9,819	59.9
1918	20,785	7,249	1,806	11,730	2,323	2,008	16,454	66,803	6,732	9,722	59.1
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	12,778	2,407	2,490	16,994	68,787	6,707	10,287	60.5
1921	22,292	7,275	1,800	13,216	2,402	2,807	17,083	69,316	6,673	10,409	60.9
1922	22,290	7,307	1,834	13,149	2,390	2,621	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	7,539	1,935	14,162	2,668	2,766	18,202	75,322	6,806	11,396	62.6
1925	23,644	7,602	1,937	14,105	2,654	2,800	18,190	74,460	6,885	11,305	62.1
1926	23,677	7,560	1,925	14,192	2,654	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	6,756	11,381	62.7
1928	23,747	7,809	2,034	13,904	2,759	2,477	18,511	75,316	7,084	11,427	61.7
1929	23,983	7,853	2,065	14,065	2,705	2,598	18,630	75,598	7,213	11,467	61.4

No. 436.—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 since 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	----------	249,543
1901–1905	----------	3,505,694	----------	199,752	5.70	----------	285,755
1906	----------	4,526,959	66.54	272,796	6.03	4.01	322,556
1907	----------	4,948,756	67.27	308,089	6.23	4.19	344,243
1908	7,300,739	4,843,371	65.69	390,695	8.07	5.30	368,296
1909	7,612,411	4,920,174	64.01	321,072	6.53	4.18	382,675
1910	8,010,730	5,412,578	66.71	405,771	7.50	5.00	399,582
1911	8,363,276	5,730,250	67.65	460,195	8.03	5.42	410,327
1912	8,552,447	5,581,289	64.73	400,315	7.17	4.64	429,027
1913	8,599,993	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	6.29	3.80	464,186
1916	8,755,404	5,430,123	62.02	366,561	6.75	4.19	481,426
1917	9,003,797	5,610,774	62.32	381,852	6.81	4.24	474,123
1918	8,846,717	5,138,851	58.09	339,186	6.60	3.83	468,286
1919	8,883,125	5,298,321	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	500,354
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	6.37	4.14	588,301
1925	9,413,101	6,278,532	66.70	409,645	6.52	4.35	583,875
1926	9,365,272	6,473,280	69.12	473,083	7.32	5.06	581,709
1927	9,539,491	6,701,427	70.25	567,281	8.47	5.95	583,452
1928	9,722,079	7,169,989	73.65	510,018	7.12	5.25	578,831
1929	9,847,311	7,506,265	76.23	560,902	7.47	5.70	580,770

Source of Tables 435 and 436: Interstate Commerce Commission.

No. 437.—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 Dec. 31—	All railroads				Class I	Class II	Class III	Non-operating subsidiaries
	All districts	Eastern district	Southern district	Western district				
Total:								
1916	19, 630, 610	7, 506, 045	2, 880, 243	9, 244, 322	16, 088, 847	660, 027	143, 862	2, 737, 874
1920	20, 098, 040	7, 881, 150	3, 004, 552	9, 212, 314	16, 855, 230	537, 113	107, 269	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
1928	22, 025, 588	8, 670, 475	3, 537, 797	9, 817, 316	18, 607, 051	381, 983	76, 653	2, 959, 901
1920	22, 306, 752	8, 869, 135	3, 552, 996	9, 884, 621	18, 822, 429	359, 154	71, 169	3, 054, 000
Stock:								
1916	8, 755, 403	3, 426, 697	1, 167, 376	4, 161, 330	6, 953, 102	382, 614	91, 634	1, 328, 053
1920	8, 843, 100	3, 474, 212	1, 166, 809	4, 202, 079	7, 209, 735	286, 088	67, 247	1, 279, 430
1925	9, 413, 101	3, 771, 338	1, 324, 472	4, 317, 291	7, 633, 456	253, 208	66, 452	1, 469, 985
1928	9, 722, 079	4, 063, 179	1, 362, 100	4, 296, 800	8, 079, 978	226, 633	52, 451	1, 363, 017
1929	9, 847, 311	4, 188, 304	1, 383, 862	4, 275, 145	8, 184, 640	209, 586	48, 072	1, 405, 013
Funded debt:								
1916	10, 875, 207	4, 079, 348	1, 712, 867	5, 082, 992	9, 135, 745	277, 413	52, 228	1, 409, 821
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, 995	4, 755, 830	2, 119, 954	5, 445, 211	10, 464, 708	183, 814	29, 705	1, 642, 768
1928	12, 303, 509	4, 607, 296	2, 175, 697	5, 520, 516	10, 527, 073	155, 350	24, 202	1, 596, 884
1929	12, 459, 441	4, 680, 831	2, 169, 134	5, 609, 476	10, 637, 789	149, 568	23, 097	1, 648, 987
1929								
Common stock	7, 797, 219	3, 522, 016	1, 176, 797	3, 098, 406	6, 280, 017	192, 545	46, 120	1, 278, 537
Preferred stock	2, 050, 092	666, 288	207, 065	1, 176, 739	1, 904, 623	17, 041	1, 952	126, 476
Mortgage bonds	9, 677, 097	3, 572, 677	1, 670, 156	4, 434, 264	8, 001, 964	140, 886	19, 737	1, 514, 510
Collateral trust bonds	699, 700	339, 163	153, 891	206, 646	642, 638	561	240	56, 261
Income bonds	365, 592	18, 866	36, 726	310, 000	348, 543	2, 667	1, 050	13, 332
Miscellaneous obligations	722, 424	327, 821	62, 664	331, 939	662, 172	2, 329	1, 785	56, 138
Equipment obligations	994, 628	422, 304	245, 697	326, 627	982, 472	3, 125	285	8, 746

No. 438.—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 [1]	Investment per mile of road	Net railway operating income	Return on investment	Other income	Interest, rents, and other deductions	Dividends declared
		Dollars		*Per cent*			
June 30, 1908	13, 213, 767	61, 779	634, 794	4. 80	240, 420	485, 311	329, 062
1909	13, 609, 184	61, 391	710, 474	5. 22	175, 706	498, 016	272, 043
1910 [2]	14, 557, 816	64, 382	805, 097	5. 53	222, 915	511, 417	351, 202
1913	16, 538, 603	69, 780	806, 801	4. 86	243, 509	564, 414	327, 997
1914	17, 153, 786	72, 079	674, 190	3. 93	246, 187	576, 437	380, 339
1915	17, 441, 420	73, 208	694, 276	3. 98	189, 300	575, 193	264, 267
1916	17, 689, 425	73, 795	1, 002, 955	5. 67	195, 458	594, 378	286, 618
Dec. 31, 1916	17, 842, 777	74, 466	1, 058, 506	5. 93	213, 324	623, 150	311, 876
1917	18, 574, 293	77, 163	950, 557	5. 12	[3] 233, 252	[3] 574, 200	325, 601
1918	18, 984, 756	78, 820	646, 223	3. 40	(4)	[3] 607, 583	279, 929
1919	19, 300, 121	79, 974	454, 132	2. 35	(4)	[3] 630, 559	281, 569
1920	19, 849, 326	81, 954	12, 101	. 06	(4)	[3] 640, 516	275, 348
1921	20, 329, 224	84, 530	601, 139	2. 96	[3] 375, 001	[3] 662, 375	403, 991
1922	20, 580, 168	86, 004	769, 411	3. 74	[3] 265, 033	[3] 655, 647	275, 722
1923	21, 372, 858	89, 619	974, 918	4. 56	[3] 260, 655	[3] 667, 616	353, 127
1924	22, 182, 267	93, 233	984, 403	4. 44	[3] 269, 188	[3] 684, 559	325, 933
1925	[1] 23, 230, 916	94, 017	1, 136, 728	4. 89	[3] 268, 142	[3] 688, 387	349, 089
1926	[1] 23, 880, 740	97, 433	1, 229, 020	5. 15	[3] 297, 929	[3] 701, 965	411, 208
1927	[1] 24, 453, 871	99, 546	1, 077, 843	4. 41	[3] 311, 198	[3] 706, 284	503, 146
1928	[1] 24, 875, 984	100, 974	1, 182, 467	4. 75	[3] 320, 011	[3] 706, 052	436, 217
1929	[1] 25, 465, 036	103, 197	1, 262, 636	4. 96	[3] 359, 747	[3] 714, 638	495, 245

[1] Prior to 1925 figures include investment of leased lines and exclude investment of proprietary companies which do not render annual reports. Beginning with 1925, the investment in road and equipment of proprietary companies is included as follows: 1925, $493,923,000; 1926, $831,574,000; 1927, $919,095,000; 1928, $1,013,752,000; 1929, $1,051,469,000. In this column no allowance is made for cash and material and supplies, and no deduction is made for depreciation.

[2] Investment originally published is increased by $170,000,000, estimated reserve for depreciation.

[3] Does not include returns for Class II and Class III companies.

[4] Figures not comparable on account of Federal control accounting requirements.

Source of Tables 437 and 438: Interstate Commerce Commission.

No. 439.—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, with exception of the "District" figures for 1916–1920. 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 nonrevenue)	Empty	Per train	Per loaded car	Per train-mile (dollars)	Per loaded car-mile (cents)	
All roads:								
1891–1895	467,299	----------	----------	184	--------	1.62	--------	--------
1896–1900	489,723	----------	----------	229	--------	1.76	--------	--------
1901–1905	519,806	9,631,028	4,320,390	304	17.4	2.35	--------	--------
1906–1910	603,105	11,754,421	5,234,008	359	19.5	2.72	--------	--------
1911–1915	608,512	13,369,203	6,160,216	432	20.7	3.19	--------	--------
1916–1920	617,430	15,444,150	6,904,625	604	25.3	[1] 5.30	--------	--------
1921–1925	577,844	15,243,111	8,096,532	621	24.6	[1] 7.28	--------	--------
1907	629,996	12,021,326	5,008,572	357	19.7	2.74	--------	--------
1908	587,218	11,128,231	5,153,181	352	19.6	2.65	--------	--------
1909	568,855	11,360,655	5,242,995	363	19.3	2.76	--------	--------
1910	635,451	12,851,205	5,498,337	380	19.8	2.86	--------	--------
1911	626,496	12,859,386	5,832,515	383	19.7	2.90	--------	--------
1912	612,345	13,038,332	5,767,144	407	20.2	3.02	--------	--------
1913	[2] 643,841	[2] 14,271,944	[2] 6,120,861	[2] 445	[2] 21.1	[2] 3.24	--------	--------
1914	607,872	13,686,818	6,531,274	447	21.1	[2] 3.31	--------	--------
1915	552,004	12,939,535	6,504,287	476	21.1	[2] 3.47	[2] 15.5	--------
1916	632,304	15,855,103	6,779,225	552	22.8	[2] 3.93	[2] 16.3	--------
1917	646,402	15,911,203	6,780,872	588	24.8	[1] 4.27	[1] 17.7	--------
1918	628,436	14,995,557	7,167,144	621	27.0	[1] 5.33	[1] 22.9	--------
1919	560,499	14,273,422	6,731,570	623	25.4	[1] 6.14	[1] 24.8	[1] 28.0
1920	619,507	15,336,778	7,264,316	639	26.7	[1] 6.81	[1] 28.1	[1] 25.1
1921	519,817	12,449,086	7,309,192	567	24.6	[1] 7.38	[1] 31.4	[1] 22.4
1922	544,486	13,926,355	6,708,121	599	24.3	[1] 7.19	[1] 28.6	[1] 23.5
1923	631,167	16,374,750	8,536,002	632	25.2	[1] 7.19	[1] 28.1	[1] 27.8
1924	590,879	15,859,163	8,519,637	634	24.5	[1] 7.22	[1] 27.3	[1] 26.8
1925	602,873	16,836,710	9,319,706	663	24.6	[1] 7.41	[1] 26.9	[1] 28.5
1926	622,295	17,759,004	10,154,842	689	25.0	[1] 7.58	[1] 27.0	[1] 30.4
1927	598,435	17,390,777	10,298,061	690	24.6	[1] 7.59	[1] 26.6	[1] 30.3
1928	589,616	17,757,670	10,487,254	706	24.3	[1] 7.77	[1] 26.3	[1] 31.2
1929	598,343	18,169,092	10,805,302	718	24.5	[1] 7.86	[1] 26.4	[1] 32.3
Class I roads, total:								
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	610,980	17,640,926	10,077,357	701	27.4	7.58	27.0	30.4
1927	588,081	17,288,758	10,231,801	702	27.1	7.59	26.6	30.3
1928	579,809	17,663,240	10,423,968	718	26.6	7.77	26.3	31.2
1929	589,319	18,084,276	10,747,666	730	26.9	7.86	26.4	32.3
1930	538,064	15,838,741	9,961,136	713	26.7	7.58	25.8	28.7
Eastern district:								
1916–1920	244,337	6,512,690	3,059,466	738	28.1	6.05	23.0	--------
1921–1925	220,560	6,183,778	3,317,411	744	28.8	8.51	30.7	22.4
1926	239,823	7,185,667	4,079,957	795	28.8	8.70	29.4	26.5
1927	226,704	6,952,881	4,141,499	796	28.5	8.70	28.8	26.2
1928	217,831	7,072,068	4,170,945	828	27.7	9.07	28.3	26.8
1929	222,537	7,343,854	4,335,313	849	28.0	9.25	28.4	28.1
1930	193,931	6,241,507	3,900,286	825	27.5	8.93	27.8	24.5
Southern district:								
1916–1920	113,132	2,620,391	1,246,908	581	26.0	4.44	19.9	--------
1921–1925	118,509	2,857,938	1,614,396	632	29.3	6.15	26.1	30.0
1926	135,916	3,540,988	2,203,300	727	31.1	6.55	25.7	36.7
1927	127,336	3,409,143	2,176,295	735	30.7	6.66	25.4	36.8
1928	120,979	3,296,245	2,105,551	736	30.1	6.67	25.1	36.4
1929	121,007	3,360,201	2,144,137	752	30.3	6.79	25.1	37.7
1930	113,609	3,013,577	2,040,593	745	30.7	6.59	24.9	32.6
Western district:								
1916–1920	246,903	6,023,340	2,530,519	510	22.2	5.00	21.7	--------
1921–1925	228,277	5,946,330	3,100,884	531	24.3	6.70	26.9	28.2
1926	235,241	6,914,271	3,794,100	596	23.9	7.07	25.2	32.6
1927	233,991	6,926,734	3,914,007	598	23.9	7.05	24.9	32.5
1928	240,999	7,024,987	4,147,492	615	23.9	7.17	24.8	34.5
1929	245,775	7,380,221	4,268,216	616	24.1	7.15	24.9	35.2
1930	230,524	6,583,657	4,020,257	603	24.0	6.93	24.3	31.9

[1] Data available for Class I roads only. [2] Class I and Class II roads.

Source: Interstate Commerce Commission.

No. 440.—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 Table 444, p. 427. 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)
All roads:									
1891–1895	----------	692, 446	85, 603	----------	506, 809	----------	123. 75	758, 930	0. 886
1896–1900	----------	874, 389	113, 962	----------	611, 128	----------	130. 33	879, 837	.772
1901–1905	691, 120	1, 266, 313	167, 715	----------	820, 016	242. 67	132. 44	1, 298, 713	.774
1906–1910	930, 254	1, 673, 431	228, 936	----------	1, 006, 849	246. 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, 164	390, 815	----------	1, 510, 297	294. 78	164. 33	3, 419, 260	.875
1921–1925	1, 231, 193	2, 216, 318	375, 468	----------	1, 455, 688	304. 96	169. 41	4, 377, 618	1. 166
1901	583, 692	1, 089, 226	147, 077	----------	760, 414	251. 98	135. 03	1, 118, 543	.750
1902	657, 847	1, 200, 316	157, 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, 309, 899	174, 522	----------	829, 476	244. 30	133. 23	1, 379, 003	.780
1905	784, 920	1, 427, 732	186, 463	----------	861, 396	237. 56	130. 60	1, 450, 773	.766
1906	896, 159	1, 631, 374	215, 878	----------	982, 401	240. 89	132. 33	1, 640, 387	.748
1907	977, 489	1, 796, 337	236, 601	----------	1, 052, 119	242. 05	131. 71	1, 823, 652	.759
1908	869, 798	1, 532, 982	218, 382	----------	974, 654	253. 94	143. 83	1, 655, 419	.754
1909	881, 334	1, 556, 589	218, 803	----------	953, 986	251. 10	141. 87	1, 677, 614	.763
1910	1, 026, 492	1, 849, 900	255, 017	----------	1, 071, 086	259. 68	138. 31	1, 925, 553	.753
1911	1, 003, 054	1, 781, 638	253, 784	----------	1, 053, 566	254. 10	142. 88	1, 925, 951	.757
1912	1, 031, 207	1, 844, 978	264. 081	----------	1, 078, 580	256. 87	143. 44	1, 968, 599	.744
1913	1, 182, 548	[1] 2, 058, 035	301, 730	----------	1, 190, 397	255. 15	[2] 144. 40	[1] 2, 198, 931	[1] .729
1914	1, 129, 992	2, 002, 026	288, 637	----------	1, 125, 084	255. 43	144. 17	2, 126, 717	.737
1915	1, 023, 803	1, 828, 092	277, 135	----------	1, 075, 962	270. 69	151. 55	2, 037, 926	.735
1916	1, 317, 246	2, 347, 396	366, 173	----------	1, 409, 957	277. 98	155. 99	2, 631, 092	.719
1917	1, 382, 005	2, 453, 423	398, 263	----------	1, 538, 211	288. 18	162. 33	2, 897, 436	.728
1918	1, 376, 845	2, 477, 092	408, 778	----------	1, 582, 796	296. 89	165. 02	3, 522, 052	.862
1919	1, 189, 765	2, 185, 285	367, 161	----------	1, 423, 390	308. 60	168. 60	3, 624, 886	.987
1920	1, 362, 999	2, 427, 622	413, 699	----------	1, 597, 193	303. 52	170. 41	4, 420, 833	1. 069
1921	1, 017, 818	1, 808, 836	309, 533	----------	1, 199, 328	304. 11	171. 12	4, 004, 109	1. 294
1922	1, 111, 822	1, 974, 618	342, 188	----------	1, 330, 400	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, 351, 156	2, 403, 725	417, 418	----------	1, 613, 862	308. 93	169. 43	4, 648, 364	1. 114
1926	1, 439, 612	2, 627, 402	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, 359	2, 504, 196	436, 087	----------	1, 677, 089	318. 00	174. 14	4, 771, 562	1. 094
1929	1, 419, 383	2, 584, 333	450, 189	----------	1, 727, 786	317. 17	174. 20	4, 899, 168	1. 088
Class I Roads:									
1921–1925	1, 135, 499	2, 068, 262	372, 216	400, 740	1, 581, 865	327. 80	179. 97	4, 277, 134	1. 149
1926	1, 336, 142	2, 465, 369	443, 746	486, 265	1, 875, 304	332. 11	179. 99	4, 797, 780	1. 081
1927	1, 281, 611	2, 363, 639	428, 737	471, 793	1, 801, 414	334. 53	181. 39	4, 632, 321	1. 080
1928	1, 285, 943	2, 361, 623	432, 915	473, 774	1, 802, 703	336. 65	183. 31	4, 680, 456	1. 081
1929	1, 339, 091	2, 451, 601	447, 322	489, 887	1, 851, 620	334. 05	182. 46	4, 815, 448	1. 076
1930	1, 153, 197	2, 063, 078	383, 788	422, 117	1, 596, 523	332. 80	186. 04	4, 079, 009	1, 063
Eastern district:									
1921–1925	510, 141	1, 112, 147	166, 644	178, 569	2, 827, 013	326. 66	149. 84	1, 906, 544	1. 144
1926	580, 200	1, 309, 242	193, 717	207. 798	3, 284, 052	333. 88	147. 96	2, 120, 301	1. 094
1927	541, 075	1, 237, 669	183, 739	198, 474	3, 115, 925	339. 58	148. 46	2, 008, 136	1. 093
1928	545, 968	1, 238, 607	183, 518	196, 783	3, 091, 354	336. 13	148. 16	2, 011, 314	1. 096
1929	576, 718	1, 294, 927	192, 331	206, 560	3, 195, 743	333. 49	148. 53	2, 096, 611	1. 090
1930	495, 974	1, 055, 454	160, 062	171, 432	2, 697, 823	322. 72	149. 85	1, 732, 153	1. 082
Southern district:									
1921–1925	234, 018	353, 728	77, 047	84, 282	1, 756, 460	329. 24	217. 81	749, 632	.973
1926	310, 578	461, 263	101, 426	110, 692	2, 282, 063	326. 57	219. 89	913, 966	.901
1927	308, 893	449, 753	96, 339	105, 219	2, 128, 963	311. 88	214. 20	871, 910	.905
1928	294, 173	427, 027	91, 958	99, 761	2, 011, 439	312. 60	215. 34	833, 977	.907
1929	295, 468	429, 575	94, 252	102, 464	2, 059, 919	318. 90	219. 41	851, 042	.903
1930	261, 144	383, 374	84, 622	92, 554	1, 845, 923	324. 04	222. 26	749, 104	.885
Western district:									
1921–1925	391, 340	602, 387	128, 525	146, 889	970, 062	328. 42	213. 36	1, 620, 958	1. 261
1926	445, 364	694, 864	148, 603	167, 775	1, 115, 686	333. 67	213. 86	1, 763, 513	1. 187
1927	431, 643	676, 217	148, 629	168, 100	1, 111, 412	344. 40	219. 84	1, 752, 275	1. 179
1928	445, 802	695, 989	157, 439	177, 230	1, 165, 653	353. 16	226. 21	1, 835, 165	1. 166
1929	466, 905	727, 099	160, 739	180, 863	1, 184, 992	344. 26	221. 07	1, 867, 795	1. 162
1930	396, 079	624, 250	139, 104	158, 131	1, 028, 744	351. 20	226. 53	1, 597, 662	1. 149

[1] Class I and Class II roads.
[2] Data included for Class II and Class III roads are partially estimated.

Source: Interstate Commerce Commission.

No. 441.—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 include 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)													
1910 [1]	234.7	209.1	200.7	235.7	223.9	232.5	236.2	231.5	253.0	254.8	261.2	244.9	233.2
1911	231.2	211.6	196.0	223.5	214.9	226.2	228.4	228.9	249.9	253.6	261.9	244.2	234.9
1912	249.8	209.2	216.1	235.8	219.2	232.3	242.9	253.0	275.8	274.4	298.2	275.9	264.4
1913	260.9	247.0	229.0	245.9	242.3	262.1	258.9	266.3	279.6	283.4	296.3	266.6	252.4
1914	244.0	231.3	207.1	247.5	235.4	237.7	249.3	256.0	267.1	269.6	266.6	233.8	226.3
1915	256.6	214.1	205.1	231.5	231.0	237.9	249.5	259.2	273.1	287.2	303.7	299.1	288.1
1916	302.1	260.9	262.8	290.2	282.0	301.0	300.0	303.2	327.2	325.3	338.7	322.7	311.1
1917	337.4	300.8	265.4	317.1	319.3	345.9	349.7	348.4	366.2	358.8	382.5	357.3	337.1
1918	410.5	285.4	290.0	366.4	371.6	379.0	395.2	470.4	504.7	489.7	490.8	440.9	441.5
1919	432.0	397.2	352.4	377.4	389.5	413.9	426.1	455.3	471.7	498.6	509.8	438.1	453.4
1920	519.0	500.8	424.6	460.2	402.3	457.6	494.7	529.1	555.5	618.9	641.8	592.1	550.6
1921	404.2	470.4	406.5	459.0	433.4	444.9	461.6	462.9	505.7	498.3	536.7	465.9	425.3
1922	468.3	395.8	401.6	475.2	417.1	449.4	474.0	443.8	474.1	500.9	550.3	523.6	513.6
1923	523.9	502.5	446.9	535.8	523.3	548.1	541.3	536.3	564.5	546.1	587.9	532.0	494.6
1924	499.0	469.0	479.5	505.4	475.2	477.5	465.7	481.8	508.5	541.0	572.9	505.9	505.2
1925	515.6	485.0	455.2	486.7	473.7	489.0	507.0	522.5	555.5	565.6	591.5	533.0	524.1
1926	538.8	481.4	460.8	531.5	500.5	518.0	541.4	557.9	580.3	591.2	610.4	562.3	527.7
1927	517.6	487.6	469.6	531.6	498.9	519.6	517.5	509.7	557.8	565.5	581.0	504.3	467.7
1928	515.7	458.2	456.8	506.1	475.1	511.5	503.2	513.7	558.8	556.9	618.8	532.1	496.8
1929	529.9	487.5	476.2	517.6	514.7	538.6	532.6	558.4	587.3	567.4	609.4	499.8	469.4
1930	445.2	451.2	427.9	452.7	451.2	463.1	444.8	457.0	466.4	467.5	483.5	398.8	377.9
FREIGHT REVENUE (millions of dollars)													
1914	166.0	156.1	140.9	174.3	160.2	159.0	164.1	168.5	177.0	185.1	188.8	163.3	154.3
1915	178.9	147.2	143.3	163.4	161.9	165.3	168.8	170.3	181.0	198.7	220.6	219.3	206.4
1916	214.6	185.9	191.1	212.3	202.7	217.9	208.1	204.2	227.3	228.8	245.6	236.4	214.6
1917	236.1	211.7	185.1	227.3	227.9	251.9	247.3	241.6	260.3	242.2	271.4	254.7	221.7
1918	288.2	188.8	198.6	259.9	264.5	263.3	263.8	328.4	350.9	342.1	366.4	322.6	309.7
1919	296.3	278.4	242.3	256.0	265.7	286.7	284.3	306.5	313.8	346.7	368.5	303.5	303.7
1920	360.6	311.6	269.2	324.6	268.8	314.1	340.3	356.1	369.6	438.9	480.4	436.9	386.6
1921	327.2	324.9	284.2	320.8	304.8	313.1	322.2	314.8	353.8	354.8	402.0	342.4	288.7
1922	334.1	277.1	294.6	354.3	288.9	319.6	331.9	299.6	326.5	355.9	406.4	389.9	364.2
1923	385.5	367.0	326.8	398.8	386.3	405.5	387.3	379.3	402.1	390.9	441.5	395.9	344.1
1924	362.4	333.4	352.7	371.7	342.9	344.3	323.4	340.1	358.5	399.2	439.0	381.0	362.3
1925	379.4	350.8	336.9	360.8	347.2	359.4	366.1	377.5	403.4	419.7	450.6	402.5	379.5
1926	401.7	347.8	340.8	402.0	370.6	385.5	397.8	409.5	429.6	445.0	472.4	433.5	384.9
1927	387.5	358.1	354.1	406.6	371.6	391.3	382.2	370.1	415.3	426.9	452.9	386.0	334.9
1928	391.4	338.0	346.3	388.4	356.6	391.7	370.8	382.2	421.8	424.1	493.1	415.0	368.1
1929	402.6	367.2	363.8	393.9	393.7	412.8	391.1	417.1	446.6	435.5	483.6	384.5	341.2
1930	340.4	338.0	327.1	345.2	345.8	354.3	331.6	347.3	354.7	363.5	385.7	311.0	280.9
PASSENGER REVENUE (millions of dollars)													
1918	86.0	66.5	62.3	73.1	72.5	79.2	94.8	104.7	113.8	105.9	84.8	81.8	93.0
1920	107.3	91.9	82.6	92.6	93.0	98.9	107.4	123.2	132.9	120.9	113.9	106.7	114.8
1922	89.7	83.7	73.6	80.6	83.5	85.5	96.0	100.7	101.6	97.5	90.2	84.8	98.5
1924	89.7	91.7	83.4	87.1	85.2	85.6	96.0	97.4	104.6	95.2	82.9	78.8	90.9
1926	87.0	89.6	78.6	80.8	80.7	82.8	92.5	97.9	99.0	92.7	82.2	77.4	89.7
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	78.6	69.5	70.6	71.1	70.4	81.8	82.8	85.2	80.2	69.7	65.3	76.7
1929	72.8	75.0	68.4	71.9	67.5	68.9	79.3	79.6	84.3	75.8	66.2	62.5	74.5
1930	60.8	70.5	61.3	61.8	59.6	60.4	67.1	65.8	67.4	59.1	52.4	48.7	55.4
FREIGHT TON-MILES (millions) [2]													
1918	36,410	27,620	29,678	37,706	37,993	37,507	37,068	39,347	40,776	39,579	39,842	35,504	33,639
1919	32,814	30,356	25,630	28,813	28,593	32,276	31,881	34,916	36,416	38,678	40,361	32,497	33,353
1920	37,445	34,964	32,958	37,865	28,592	37,892	38,246	40,449	42,734	40,998	42,570	37,349	34,726
1921	34,478	29,784	24,915	26,816	26,591	28,220	28,146	28,402	30,420	30,864	36,672	29,222	35,723
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	38,321	39,598	38,001	38,518	40,344	39,461	42,210	38,168	33,427
1924	35,803	34,510	35,982	38,426	31,926	33,915	31,968	33,185	30,457	39,064	43,134	38,067	35,006
1925	38,007	37,026	33,570	35,332	33,571	37,126	35,864	37,944	41,709	41,305	44,054	40,775	37,856
1926	40,725	37,680	35,405	38,069	36,300	39,834	39,252	41,717	43,734	44,346	48,296	43,360	40,116
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	34,592
1928	39,769	36,280	35,723	39,480	35,887	39,263	37,307	39,153	42,425	43,791	48,234	41,991	37,673
1929	41,026	39,210	38,140	40,228	38,346	41,846	40,740	42,009	44,950	44,222	47,836	38,741	36,046
1930	35,170	36,664	34,341	35,310	34,894	36,576	34,419	35,580	37,421	36,220	39,292	32,295	29,026

[1] Returns for January to October, inclusive, do not include switching and terminal companies.
[2] Exclusive of switching and terminal companies.

Source: Interstate Commerce Commission.

No. 442.—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
All roads:									
1891–1895	546, 762	13, 383	24. 48	321, 031	----------	281, 415	$1. 05	2. 10	42
1896–1900	520, 459	13, 863	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	----------	566, 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, 152, 566	42, 548	36. 92	560, 364	3, 416, 933	1, 021, 536	[1] 2. 13	2. 40	[1] 72
1921–1925	982, 320	36, 869	37. 53	571, 455	3, 603, 117	1, 112, 634	[1] 2. 47	3. 02	[1] 65
1901	607, 278	17, 354	28. 58	385, 173	----------	351, 356	1. 03	2. 01	42
1902	649, 879	19, 690	30. 30	405, 613	----------	392, 963	1. 09	1. 99	45
1903	694, 892	20, 916	30. 10	425, 142	----------	421, 705	1. 12	2. 01	46
1904	715, 420	21, 923	30. 64	440, 465	----------	444, 327	1. 14	2. 01	46
1905	738, 835	23, 800	32. 21	459, 827	----------	472, 695	1. 16	1. 96	48
1906	797, 946	25, 167	31. 54	479, 038	----------	510, 033	1. 20	2. 00	49
1907	873, 905	27, 719	31. 72	509, 328	----------	564, 606	1. 26	2. 01	51
1908	890, 010	29, 083	32. 86	505, 946	2, 705, 660	566, 833	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	572, 929	3, 136, 774	657, 038	1. 31	1. 97	55
1912	1, 004, 081	33, 132	33. 18	585, 854	3, 235, 634	660, 373	1. 29	1. 99	53
1913	1, 043, 603	34, 673	33. 31	[2] 593, 061	[2] 3, 320, 488	[2] 695, 988	[2] 1. 36	[2] 2. 01	[2] 55
1914	1, 063, 249	35, 357	33. 25	605, 212	3, 399, 604	703, 484	[2] 1. 34	1. 99	[2] 56
1915	985, 676	32, 475	32. 95	580, 448	3, 229, 496	646, 475	[2] 1. 31	1. 99	[2] 53
1916	1, 048, 987	35, 220	33. 58	595, 441	3, 409, 639	722, 359	[2] 1. 44	2. 05	[2] 56
1917	1, 109, 943	40, 100	36. 13	593, 338	3, 485, 788	840, 910	[1] 1. 69	2. 10	[1] 65
1918	1, 122, 963	43, 212	38. 48	544, 327	3, 276, 489	1, 046, 166	[1] 2. 23	2. 42	[1] 76
1919	1, 211, 022	46, 838	38. 68	553, 147	3, 446, 787	1, 193, 431	[1] 2. 46	2. 55	[1] 82
1920	1, 269, 913	47, 370	37. 30	574, 826	3, 618, 617	1, 304, 815	[1] 2. 78	2. 76	[1] 80
1921	1, 061, 131	37, 706	35. 53	568, 242	3, 503, 514	1, 166, 252	[1] 2. 51	3. 09	[1] 67
1922	939, 509	35, 811	36. 19	553, 919	3, 445, 869	1, 087, 516	[1] 2. 50	3. 04	[1] 65
1923	1, 008, 538	38, 204	37. 07	573, 938	3, 616, 342	1, 168, 925	[1] 2. 56	3. 03	[1] 67
1924	950, 459	36, 368	38. 26	579, 384	3, 676, 746	1, 085, 672	[1] 2. 41	2. 99	[1] 63
1925	901, 963	36, 167	40. 10	581, 792	3, 773, 114	1, 064, 806	[1] 2. 37	2. 94	[1] 63
1926	874, 589	35, 673	40. 79	584, 972	3, 862, 610	1, 049, 210	[1] 2. 33	2. 94	[1] 61
1927	840, 030	33, 798	40. 23	578, 355	3, 850, 116	980, 528	[1] 2. 23	2. 90	[1] 59
1928	798, 476	31, 718	39. 72	570, 038	3, 815, 337	905, 271	[1] 2. 13	2. 85	[1] 56
1929	786, 432	31, 165	39. 63	568, 095	3, 870, 903	875, 929	[1] 2. 18	2. 81	[1] 55
Class I roads:									
1916–1920	1, 114, 055	41, 939	37. 69	556, 495	3, 406, 925	1, 005, 690	2. 13	2. 40	72
1921–1925	902, 153	36, 556	37. 99	558, 568	3, 572, 292	1, 100, 602	2. 47	3. 01	65
1926	862, 361	35, 478	41. 14	573, 627	3, 836, 788	1, 041, 816	2. 33	2. 94	61
1927	829, 918	33, 650	40. 55	568, 538	3, 830, 557	974, 951	2. 23	2. 90	59
1928	790, 327	31, 601	39. 99	561, 600	3, 798, 733	901, 019	2. 13	2. 85	56
1929	780, 468	31, 074	39. 81	560, 092	3, 857, 133	872, 466	2. 18	2. 81	55
1930	704, 053	26, 823	38. 10	543, 656	3, 725, 324	728, 505	-------	2. 72	49
Eastern district:									
1921–1925	642, 356	18, 636	29. 01	230, 179	1, 507, 410	528, 429	2. 84	2. 84	81
1926	608, 365	18, 762	30. 84	238, 329	1, 634, 092	523, 475	2. 77	2. 79	78
1927	591, 510	18, 165	30. 71	236, 208	1, 640, 957	502, 365	2. 70	2. 77	76
1928	571, 801	17, 386	30. 41	234, 585	1, 634, 510	474, 824	2. 61	2. 73	74
1929	567, 555	17, 273	30. 43	237, 146	1, 685, 532	467, 229	2. 65	2. 71	73
1930	521, 339	15, 377	29. 49	227, 946	1, 629, 768	403, 658	-------	2. 63	67
Southern district:									
1921–1925	108, 845	5, 191	47. 69	96, 314	582, 587	174, 435	2. 22	3. 36	53
1926	88, 671	5, 187	58. 49	103, 399	667, 380	173, 755	2. 10	3. 35	50
1927	85, 609	4, 508	52. 65	100, 870	642, 168	147, 282	1. 87	3. 27	44
1928	79, 005	4, 034	51. 05	97, 391	617, 691	129, 565	1. 75	3. 21	41
1929	75, 985	3, 762	49. 51	95, 171	612, 382	118, 804	1. 75	3. 16	39
1930	64, 173	3, 065	47. 76	94, 010	598, 532	94, 091	-------	3. 07	33
Western district:									
1921–1925	210, 952	12, 729	60. 34	232, 075	1, 482, 295	397, 738	2. 21	3. 12	54
1926	165, 325	11, 529	69. 74	231, 899	1, 535, 316	344, 586	1. 99	2. 99	49
1927	152, 799	10, 977	71. 84	231, 460	1, 547, 432	325, 304	1. 90	2. 96	47
1928	139, 521	10, 181	72. 97	229, 624	1, 546, 532	296, 630	1. 81	2. 91	44
1929	136, 928	10, 039	73. 32	228, 375	1, 559, 219	286, 433	1. 87	2. 85	44
1930	118, 541	8, 381	70. 70	221, 700	1, 497, 024	230, 756	-------	2. 75	38

[1] Data available for Class I only.

[2] Class I and Class II roads.

Source: Interstate Commerce Commission.

No. 443.—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 447. Switching and terminal companies are excluded beginning with 1908. For certain principal items for individual years 1890 to 1900, see Table 445, p. 427

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	
All roads:									
1891–1895	169,378	1,127,531	759,588	367,942	34,915	333,027	$6,657	$2,172	67.37
1896–1900	180,001	1,264,048	832,377	431,671	41,970	389,701	6,796	2,321	65.85
1901–1905	209,050	1,854,632	1,226,737	627,945	53,106	574,840	9,001	3,048	66.14
1906–1910	229,404	2,528,171	1,705,542	822,630	80,931	727,407	11,021	3,586	67.46
1911–1915	240,952	3,007,262	2,123,282	883,980	123,345	729,172	12,164	3,678	70.61
1916–1920	258,295	4,870,468	3,971,453	899,015	227,080	624,304	18,856	3,481	81.54
1921–1925	257,932	6,003,699	4,684,135	1,319,563	328,822	899,332	23,276	5,116	78.02
1901	195,562	1,588,526	1,030,397	558,129	46,708	511,421	8,123	2,854	64.86
1902	200,155	1,726,380	1,116,249	610,131	50,054	560,077	8,625	3,048	64.66
1903	205,314	1,900,847	1,257,539	643,308	53,252	590,056	9,258	3,133	66.16
1904	212,243	1,975,174	1,338,896	636,278	56,802	579,476	9,306	2,998	67.79
1905	216,974	2,082,482	1,390,602	691,880	58,712	633,168	9,598	3,189	66.78
1906	222,340	2,325,765	1,536,877	788,888	69,064	719,824	10,460	3,548	66.08
1907	227,455	2,589,106	1,748,516	840,590	73,743	766,846	11,383	3,696	67.53
1908	227,257	2,440,639	1,710,402	730,237	78,674	634,794	10,740	3,213	70.08
1909	232,981	2,473,205	1,650,034	823,171	85,140	710,474	10,615	3,533	66.72
1910	236,987	2,812,142	1,881,879	930,263	98,035	805,097	11,866	3,925	66.92
1911	243,434	2,852,855	1,976,332	876,523	102,657	744,669	11,719	3,601	69.28
1912	246,829	2,906,416	2,035,058	871,358	113,819	727,458	11,775	3,530	70.02
1913	[1] 242,677	[1] 3,193,118	[1] 2,235,923	[1] 957,195	[1] 122,005	[1] 805,266	[1] 13,159	[1] 3,945	[1] 70.02
1914	254,775	3,127,730	2,280,416	847,314	140,470	674,190	12,276	3,326	72.91
1915	256,214	2,956,193	2,088,683	867,510	137,775	694,276	11,538	3,386	70.65
1916	257,325	3,691,065	2,426,251	1,264,815	161,825	1,058,506	14,344	4,915	65.73
1917	258,913	4,115,413	2,906,283	1,209,130	218,632	950,557	15,895	4,670	70.62
1918	258,263	4,985,200	4,071,522	913,768	229,533	646,223	19,303	3,538	81.67
1919	257,949	5,250,420	4,498,817	751,603	230,136	454,132	20,354	2,914	85.68
1920	259,026	6,310,151	5,954,394	355,757	289,272	12,101	24,361	1,373	94.36
1921	258,089	5,632,665	4,668,998	963,667	283,163	601,139	21,825	3,734	82.89
1922	257,195	5,674,483	4,509,991	1,164,492	308,145	769,411	22,063	4,528	79.48
1923	257,525	6,419,210	4,999,383	1,419,827	339,577	974,918	24,917	5,511	77.88
1924	258,104	6,045,252	4,608,807	1,436,445	347,437	984,463	23,422	5,565	76.24
1925	258,646	6,246,383	4,633,497	1,613,386	365,790	1,136,728	24,152	6,238	74.17
1926	258,295	6,508,679	4,766,235	1,742,444	396,538	1,229,020	25,199	6,746	73.23
1927	258,877	6,245,716	4,662,521	1,583,195	383,112	1,077,842	24,126	6,116	74.65
1928	260,026	6,212,464	4,508,606	1,703,858	395,631	1,182,467	23,892	6,553	72.57
1929	260,558	6,373,004	4,579,162	1,793,842	402,698	1,262,636	24,459	6,885	71.85
Class I roads:									
1916–1920	232,974	4,763,039	3,879,220	883,819	219,774	616,987	20,445	3,794	81.44
1921–1925	235,302	5,881,855	4,583,425	1,298,431	321,536	883,599	24,997	5,518	77.92
1926	236,626	6,382,940	4,669,337	1,713,603	388,923	1,213,090	26,975	7,242	73.15
1927	238,000	6,136,300	4,574,178	1,562,122	376,110	1,067,985	25,783	6,564	74.54
1928	240,148	6,111,736	4,427,995	1,683,741	389,432	1,172,864	25,450	7,011	72.45
1929	241,584	6,279,521	4,508,056	1,773,465	396,683	1,251,698	25,993	7,341	71.76
1930	242,166	5,281,668	3,931,010	1,350,658	348,791	869,985	21,810	5,577	74.43
Eastern district:									
1921–1925	58,947	2,668,020	2,125,217	542,803	128,138	384,374	45,261	9,208	79.66
1926	58,937	2,893,986	2,167,706	731,280	159,240	514,945	49,146	12,397	74.77
1927	58,968	2,758,469	2,096,757	661,712	152,390	450,276	46,779	11,222	76.01
1928	59,365	2,732,316	2,004,157	728,159	163,052	503,494	46,026	12,266	73.35
1929	60,184	2,810,428	2,070,313	770,115	164,983	541,325	47,196	12,796	73.39
1930	59,895	2,355,055	1,789,727	565,328	142,286	355,597	39,319	9,439	76.00
Southern district:									
1921–1925	43,865	992,307	762,100	230,207	54,088	170,826	22,622	5,248	76.80
1926	44,445	1,165,528	830,125	335,402	75,720	253,499	26,224	7,546	71.22
1927	45,251	1,090,867	798,113	292,754	72,463	217,771	24,107	6,470	73.16
1928	45,717	1,033,102	749,058	231,044	71,136	213,181	22,598	6,213	72.51
1929	45,755	1,046,451	748,737	297,714	72,811	225,951	22,871	6,507	71.55
1930	46,107	907,186	666,279	240,907	65,680	171,476	19,676	5,225	73.44
Western district:									
1921–1925	132,490	2,221,528	1,696,108	525,421	139,310	348,399	16,767	3,966	76.35
1926	133,194	2,318,426	1,671,505	646,921	153,963	444,646	17,406	4,857	72.10
1927	133,781	2,286,964	1,679,308	607,656	151,257	399,938	17,096	4,542	73.43
1928	135,066	2,346,318	1,674,780	671,538	155,244	456,180	17,372	4,972	71.38
1929	135,646	2,392,642	1,687,006	705,636	158,884	484,422	17,639	5,202	70.51
1930	136,104	2,019,427	1,475,004	544,423	140,825	342,012	14,831	3,998	73.04

[1] Class I and Class II roads.

Source: Interstate Commerce Commission.

No. 444.—FREIGHT TRAFFIC: TONNAGE AND REVENUE, 1890 TO 1900

NOTE.—Includes switching and terminal companies. Further data for freight traffic are presented in Table 440, p. 423. Tons are of 2,000 pounds

Year ended June 30—	Total tons of revenue freight carried (thousands)	Tons of revenue freight carried 1 mile (millions)	Freight revenue		Year ended June 30—	Total tons of revenue freight carried (thousands)	Tons of revenue freight carried 1 mile (millions)	Freight revenue	
			Amount (1,000 dollars)	Per ton-mile (cents)				Amount (1,000 dollars)	Per ton-mile (cents)
1890	636, 542	76, 207	714, 464	0.941	1896	753, 717	95, 328	786, 616	0.806
1891	675, 608	81, 074	736, 794	.895	1897	728, 900	95, 139	772, 849	.798
1892	706, 555	88, 241	799, 316	.898	1898	863, 629	114, 078	876, 728	.753
1893	745, 119	93, 588	829, 054	.878	1899	943, 715	123, 667	913, 737	.724
1894	638, 187	80, 335	699, 491	.860	1900	1, 081, 983	141, 597	1, 049, 256	.729
1895	696, 761	85, 228	729, 993	.839					

Source: Interstate Commerce Commission.

No. 445.—REVENUES AND EXPENSES OF OPERATING COMPANIES, 1890 TO 1900

NOTE.—Includes switching and terminal companies. Further data for revenues and expenses are presented in Table 443, p. 426

Year ended June 30—	Average miles of line (first track) operated	Operating revenues (1,000 dollars)	Operating expenses (1,000 dollars)	Per cent operating expenses of revenues	Year ended June 30—	Average miles of line (first track) operated	Operating revenues (1,000 dollars)	Operating expenses (1,000 dollars)	Per cent operating expenses of revenues
1890	156, 404	1, 051, 878	692, 094	65.80	1896	181, 983	1, 150, 169	772, 989	67.20
1891	161, 275	1, 096, 761	731, 888	66.73	1897	183, 284	1, 122, 090	752, 525	67.06
1892	162, 397	1, 171, 407	780, 998	66.67	1898	184, 648	1, 247, 326	817, 973	65.58
1893	169, 780	1, 220, 752	827, 921	67.82	1899	187, 535	1, 313, 610	856, 969	65.24
1894	175, 691	1, 073, 302	731, 414	68.14	1900	192, 556	1, 487, 045	961, 429	64.65
1895	177, 746	1, 075, 371	725, 720	67.48					

Source: Interstate Commerce Commission.

No. 446.—OPERATING REVENUES AND EXPENSES OF ALL CLASSES OF RAILWAYS

Class	1928				1929			
	Operating revenues		Operating expenses		Operating revenues		Operating expenses	
	Amount (1,000 dollars)	Per cent of grand total	Amount (1,000 dollars)	Per cent of grand total	Amount (1,000 dollars)	Per cent of grand total	Amount (1,000 dollars)	Per cent of grand total
Class I	6, 111, 736	96.67	4, 427, 995	96.50	6, 279, 521	96.81	4, 506, 056	96.68
Class II	83, 611	1.32	65, 235	1.42	76, 607	1.18	58, 151	1.25
Class III	17, 117	.27	15, 375	.34	16, 876	.26	14, 955	.32
Total	6, 212, 464	98.26	4, 508, 605	98.26	6, 373, 004	98.25	4, 579, 162	98.25
Switching and terminal companies	109, 711	1.74	80, 029	1.74	113, 171	1.75	81, 315	1.75
Grand total	6, 322, 175	100.00	4, 588, 634	100.00	6, 486, 175	100.00	4, 660, 477	100.00

Source: Interstate Commerce Commission.

No. 447.—INCOME ACCOUNT OF CLASS I CARRIERS: OPERATING ROADS

NOTE.—All figures in thousands of dollars. Switching and terminal companies are excluded

Item	1916–1920 (average)	1921–1925 (average)	1926	1927	1928	1929	1930 [1]
Revenues	4,763,039	5,851,856	6,352,939	6,136,300	6,111,736	6,279,521	5,231,668
Freight	3,336,480	4,277,134	4,797,780	4,632,321	4,680,456	4,815,448	4,083,537
Passenger	1,005,690	1,100,603	1,041,816	974,951	901,019	872,466	729,625
Mail	76,508	94,900	96,157	95,961	104,385	151,485	111,460
Express	118,933	137,886	149,049	143,365	142,580	148,191	114,666
All other transportation	92,041	129,878	143,773	141,005	140,051	139,551	119,385
All other	133,387	141,455	154,364	148,697	143,245	152,380	122,995
Expenses	3,879,220	4,583,425	4,669,387	4,574,178	4,427,995	4,508,056	3,931,010
Maintenance, way, etc.	663,081	781,577	866,819	868,581	837,906	855,355	705,324
Maintenance, equipment	1,040,185	1,297,802	1,283,091	1,210,052	1,166,942	1,202,912	1,019,310
Traffic	59,749	93,919	114,691	120,349	125,008	130,158	127,836
Transportation	1,947,814	2,104,368	2,171,904	2,127,506	2,061,141	2,072,043	1,848,331
All other	167,791	215,769	232,882	238,690	236,998	245,588	230,209
Net revenue from railway operations	883,819	1,268,431	1,713,602	1,562,122	1,683,741	1,773,465	1,350,658
Deduct—							
Tax accruals	219,774	321,536	388,923	376,110	389,432	396,683	348,701
Uncollectible revenues	868	1,895	1,851	1,492	1,579	1,163	1,045
Equipment rents	25,647	67,659	82,888	88,351	92,515	95,417	99,764
Joint facility rents	20,543	23,742	26,850	28,184	27,351	28,504	31,973
Net railway operating income	616,987	853,599	1,213,090	1,067,985	1,172,864	1,251,698	869,085

Item	Eastern district			Southern district			Western district		
	1928	1929	1930 [1]	1928	1929	1930 [1]	1928	1929	1930 [1]
Revenues	2,782,316	2,840,428	2,355,055	1,033,102	1,046,451	907,186	2,346,318	2,392,642	2,019,427
Freight	2,011,314	2,096,611	1,729,084	833,977	851,042	749,102	1,835,165	1,867,795	1,605,261
Passenger	474,824	467,229	404,123	129,565	118,804	94,079	296,630	286,433	231,423
Mail	40,334	61,917	42,576	17,739	22,980	18,500	46,202	66,588	50,384
Express	65,138	68,025	51,400	21,126	22,486	16,920	56,316	57,080	40,346
All other transportation	73,400	75,012	64,547	13,005	13,123	11,560	53,646	51,416	43,278
All other	67,256	71,634	63,325	17,690	18,016	16,935	58,299	62,730	42,735
Expenses	2,004,157	2,070,313	1,789,727	749,058	748,737	666,279	1,674,780	1,687,008	1,475,004
Maintenance, way, etc.	345,821	360,075	298,454	145,888	148,797	123,948	346,197	346,483	282,922
Maintenance, equipment	543,557	570,677	473,530	207,474	211,685	181,844	415,911	420,550	363,927
Traffic	46,556	49,864	48,916	24,239	23,733	23,675	54,213	56,561	55,245
Transportation	962,331	981,071	863,626	333,890	326,681	299,264	764,920	764,291	685,441
All other	105,892	108,626	105,192	37,567	37,841	37,548	93,539	99,121	87,469
Net revenue from railway operations	728,159	770,115	565,328	284,044	297,714	240,907	671,538	705,636	544,423
Deduct—									
Tax accruals	163,053	164,988	142,286	71,136	72,811	65,680	155,243	158,884	140,825
Uncollectible revenues	874	409	442	244	311	177	461	443	420
Equipment rents	47,854	49,559	50,295	[2] 2,774	[2] 3,803	666	47,435	49,661	48,803
Joint facility rents	12,884	13,834	16,708	2,257	2,444	2,908	12,210	12,226	12,357
Net railway operating income	503,494	541,325	355,597	213,181	225,951	171,476	456,189	484,422	342,012

[1] Water line transportation apportioned to the several accounts; included in "All other" in prior years.
[2] Add.

Source: Interstate Commerce Commission.

No. 447.—TAXES AND SPECIAL ASSESSMENTS OF CLASS I CARRIERS, BY STATES

NOTE.—Data for 1910 relate to year ended June 30, thereafter to calendar years, and for all years exclude switching and terminal companies and include nonoperating subsidiaries. Data for 1910 include also Class II and Class III and for 1916, Class II. Total railroad taxes, Federal and State, in 1929, by classes were as follows: Class I and subsidiaries, $398,384,711 (including $1,121,271 Canadian, $2,625 Mexican, and $5,041 not distributed by States); Class II and subsidiaries, $5,058,296; Class III and subsidiaries, $908,440; switching and terminal companies, $14,767,757; grand total, $419,179,204

State	Amount (thousands of dollars)						Per mile of line (dollars)			
	1910	1916	1920	1925	1928	1929	1910	1920	1925	1929
Total	103,738	162,475	282,751	359,370	389,993	397,256	.....	1,282	1,603	1,731
United States Government taxes	4,315	12,531	50,543	87,680	89,277	90,691	.....	226	391	395
New England:										
Maine	675	1,026	1,725	1,977	2,109	1,771	301	831	977	896
New Hampshire	778	746	1,005	1,042	1,123	1,103	629	827	868	971
Vermont	257	491	451	453	373	405	251	608	592	517
Massachusetts	3,097	2,575	3,339	3,920	4,143	4,219	1,484	1,616	1,929	2,116
Rhode Island	276	307	585	604	673	664	1,302	2,996	3,348	3,084
Connecticut	1,868	1,114	1,975	2,058	1,999	2,007	1,867	1,977	2,138	2,086
Middle Atlantic:										
New York	7,312	11,724	17,861	22,613	25,358	25,716	877	2,271	2,876	3,277
New Jersey	5,066	7,656	11,189	17,355	18,817	19,170	2,290	5,292	8,406	9,342
Pennsylvania	6,352	9,957	9,342	11,134	13,500	14,037	587	945	1,131	1,392
South Atlantic:										
Delaware	161	153	165	182	169	165	482	493	609	565
Dist. of Columbia	56	64	79	126	118	127	1,562	2,291	3,661	3,662
Maryland	1,016	1,211	2,004	1,352	2,095	2,052	742	1,591	1,112	1,813
Virginia	1,756	3,012	4,695	5,614	7,255	6,994	400	1,129	1,375	1,686
West Virginia	1,454	2,355	3,879	6,046	6,943	7,206	463	1,195	1,744	1,972
North Carolina	952	1,706	2,129	4,748	5,354	5,317	220	552	1,322	1,379
South Carolina	704	1,091	1,951	2,840	3,227	3,372	232	623	911	1,078
Georgia	1,386	1,957	2,481	3,310	3,838	3,949	206	455	612	711
Florida	839	1,572	2,167	3,888	5,475	5,538	208	542	879	1,076
East North Central:										
Ohio	5,457	10,018	16,841	18,518	19,635	19,549	611	2,048	2,184	2,288
Indiana	3,845	5,803	9,422	11,627	14,129	13,952	521	1,328	1,684	2,026
Illinois	5,938	9,049	16,422	21,576	22,027	23,336	501	1,421	1,908	1,953
Michigan	4,052	4,220	7,579	7,056	9,555	9,656	469	1,083	1,076	1,313
Wisconsin	3,162	4,908	6,870	7,295	6,870	6,990	440	995	1,030	1,002
West North Central:										
Minnesota	3,958	6,445	9,753	7,965	8,187	8,173	461	1,151	962	988
Iowa	2,463	3,871	7,855	6,842	7,015	7,385	253	808	706	763
Missouri	1,830	2,258	3,359	3,716	4,039	4,182	230	457	498	550
North Dakota	1,427	2,289	4,997	4,290	4,272	4,364	341	969	834	849
South Dakota	834	1,635	3,718	3,161	2,684	2,732	211	900	752	645
Nebraska	2,031	2,704	4,159	4,747	4,507	4,613	335	677	770	747
Kansas	3,074	4,108	6,188	6,670	8,857	9,132	344	688	727	997
South Central:										
Kentucky	1,073	2,018	2,184	4,240	5,333	5,873	312	624	1,157	1,561
Tennessee	1,181	1,718	2,584	3,107	3,365	3,507	326	702	847	903
Alabama	1,410	1,751	2,548	2,687	3,756	3,712	297	560	603	803
Mississippi	997	1,916	3,612	5,064	5,021	5,319	250	942	1,364	1,389
West South Central:										
Louisiana	1,238	2,235	3,788	4,578	4,955	5,023	250	971	1,180	1,248
Texas	2,688	4,656	5,098	5,514	7,108	7,307	196	364	469	484
Oklahoma	2,967	3,653	5,463	5,682	5,961	6,009	499	864	917	941
Arkansas	1,347	2,248	3,912	2,663	3,267	3,088	277	948	622	712
Mountain:										
Montana	1,486	2,781	4,284	4,728	4,779	5,108	356	871	966	1,003
Wyoming	614	901	1,213	1,659	1,890	1,965	384	686	924	1,064
Colorado	1,637	2,451	3,344	3,719	3,950	4,119	306	729	828	939
New Mexico	745	1,179	2,467	2,212	2,749	2,849	254	915	796	1,016
Arizona	321	1,341	1,572	2,485	2,980	3,314	158	776	1,187	1,590
Utah	692	1,123	1,856	2,161	2,196	2,372	383	907	1,039	1,128
Nevada	668	1,028	1,543	1,762	1,832	2,011	388	942	1,088	1,187
Idaho	714	1,475	3,844	2,872	3,111	3,297	345	1,500	1,099	1,239
Pacific:										
Washington	3,151	4,064	8,795	6,647	7,508	7,002	685	1,698	1,309	1,383
Oregon	913	1,492	2,722	2,736	3,165	3,502	444	1,060	1,025	1,267
California	3,444	5,142	7,187	12,863	13,394	13,312	508	1,071	1,893	1,845

Source: Interstate Commerce Commission.

No. 449.—PRINCIPAL RAILWAY COMPANIES: MILES OF ROAD OPERATED AND

NOTE.—Totals for regions include

Region and road	Average mileage of road operated, 1930	Ton-miles of revenue freight (millions)		Operating revenues (thousands of dollars)		Operating expenses (thousand of dollars)	
		1929	1930	1929	1930	1929	1930
All regions	242, 159	447, 322	383, 450	8, 279, 520	5, 281, 197	4, 506, 056	3, 930, 929
New England Region	7, 343	9, 453	8, 401	274, 759	237, 145	193, 896	168, 558
1. Boston & Maine	2, 090	2, 993	2, 667	78, 481	69, 278	59, 409	50, 866
2. N. Y., New Haven & Hartford	2, 128	3, 913	3, 369	142, 459	118, 886	94, 119	79, 955
Great Lakes Region	27, 683	77, 328	72, 495	1, 144, 870	1, 020, 863	850, 414	796, 554
1. Delaware & Hudson [1]	882	3, 463	3, 180	41, 366	37, 906	32, 141	30, 735
2. Del., Lackawanna & Western	998	4, 582	3, 821	81, 743	69, 661	57, 720	52, 613
3. Erie	2, 046	9, 033	7, 632	113, 611	95, 373	88, 751	76, 148
4. Chicago & Erie	270	1, 733	1, 499	15, 620	13, 623	8, 880	8, 321
Total Erie and Chi. & Erie	2, 316	10, 771	9, 131	129, 231	108, 996	97, 631	84, 469
5. Lehigh Valley	1, 362	5, 145	4, 407	71, 723	60, 664	53, 501	48, 145
6. New York Central	11, 422	23, 028	30, 483	396, 917	478, 918	302, 614	376, 729
7. N. Y., Chicago & St. Louis	1, 662	5, 291	4, 410	56, 385	46, 533	39, 807	35, 112
8. Pere Marquette	2, 253	3, 541	2, 775	48, 468	37, 216	34, 345	29, 030
9. Pittsburgh & Lake Erie	232	2, 564	2, 144	34, 135	27, 341	28, 396	21, 531
10. Wabash	2, 524	6, 107	5, 237	76, 633	61, 971	56, 275	47, 250
Central Eastern Region	25, 102	105, 560	79, 637	1, 420, 798	1, 102, 672	1, 026, 003	828, 525
1. Baltimore & Ohio	5, 658	20, 658	17, 198	245, 419	206, 660	180, 570	153, 142
2. Central R. R. Co. of New Jersey	692	2, 827	2, 548	58, 137	51, 754	42, 218	38, 167
3. Chicago & Eastern Illinois	946	2, 104	1, 683	25, 398	19, 784	19, 693	21, 701
4. Elgin, Joliet & Eastern	452	1, 796	1, 467	28, 412	21, 808	17, 098	15, 573
5. *Long Island*	*404*	*174*	*176*	*41, 326*	*39, 596*	27, 735	26, 106
6. Pennsylvania	10, 892	48, 991	40, 936	682, 703	570, 465	493, 151	427, 183
7. Reading Co	1, 458	6, 874	6, 371	97, 197	86, 923	75, 930	72, 161
Pocahontas Region	5, 894	39, 089	36, 777	279, 126	259, 926	169, 890	159, 521
1. Chesapeake & Ohio	2, 982	19, 025	19, 894	129, 779	131, 597	85, 515	83, 028
2. Norfolk & Western	2, 240	16, 730	13, 984	117, 632	100, 530	66, 051	59, 676
Southern Region	40, 082	55, 163	47, 010	767, 325	641, 628	579, 047	503, 009
1. Atlantic Coast Line	5, 157	3, 282	2, 871	72, 372	63, 020	53, 432	49, 685
2. Central of Georgia	1, 944	1, 592	1, 361	25, 034	21, 082	19, 135	16, 123
3. Illinois Central	5, 019	13, 864	11, 081	153, 184	125, 093	117, 833	96, 296
4. Louisville & Nashville	5, 251	12, 581	10, 990	132, 056	112, 441	104, 547	92, 494
5. Seaboard Air Line	4, 495	3, 195	2, 941	58, 152	49, 679	42, 588	39, 650
6. *Southern*	*6, 731*	*8, 351*	*7, 168*	*143, 184*	*118, 869*	102, 702	89, 163
7. Yazoo & Mississippi Valley	1, 704	1, 603	1, 437	27, 586	23, 296	21, 422	17, 460
Northwestern Region	48, 971	52, 953	44, 652	745, 260	622, 007	537, 508	473, 183
1. Chicago & North Western	8, 459	8, 903	7, 570	154, 733	130, 030	115, 286	101, 091
2. Chicago, Milwaukee, St. Paul & Pacific	11, 314	13, 092	10, 917	171, 361	142, 570	128, 801	112, 296
3. Chicago, St. Paul, Minneapolis & Omaha	1, 741	1, 691	1, 582	27, 219	24, 436	22, 069	20, 517
4. Great Northern	8, 367	10, 151	8, 727	125, 933	104, 996	82, 863	72, 566
5. Minneapolis, St. Paul & Sault Ste. Marie	4, 300	3, 574	2, 964	48, 654	39, 893	35, 321	31, 206
6. Northern Pacific	6, 789	6, 594	5, 421	96, 522	80, 042	70, 552	62, 734
7. Oregon-Washington R. R. & *Navigation Co*	*2, 356*	*1, 680*	*1, 413*	*29, 225*	*24, 565*	*23, 690*	19, 789
Central Western Region	53, 680	70, 341	61, 181	1, 100, 167	936, 187	757, 222	666, 515
1. Atchison, Topeka & Santa Fe	9, 630	12, 591	10, 873	220, 567	185, 262	143, 325	129, 875
2. Chicago & Alton	1, 028	1, 926	1, 710	28, 728	24, 265	22, 024	20, 507
3. Chicago, Burlington & Quincy	9, 333	12, 874	11, 356	162, 410	141, 379	111, 566	98, 378
4. Chicago, Rock Island & Pacific	7, 593	9, 309	8, 074	139, 471	116, 384	104, 024	86, 260
5. Denver & Rio Grande Western	2, 549	2, 251	2, 057	34, 829	29, 748	24, 535	20, 694
6. Oregon Short Line	2, 538	2, 744	2, 400	39, 462	33, 992	25, 555	23, 117
7. Southern Pacific Co.—Pacific Lines	9, 125	12, 098	10, 051	236, 641	196, 653	164, 794	141, 111
8. Union Pacific	3, 705	8, 914	8, 040	121, 100	108, 345	79, 044	71, 069
Southwestern Region	33, 404	37, 445	33, 297	547, 215	460, 989	392, 276	335, 064
1. Gulf, Colorado & Santa Fe	1, 959	2, 051	2, 332	30, 234	25, 511	21, 297	18, 603
2. Missouri-Kansas-Texas	1, 799	2, 416	2, 017	36, 537	30, 204	21, 634	17, 740
3. Missouri-Kansas-Texas of Texas	1, 390	1, 152	904	19, 487	15, 745	15, 822	12, 485
4. Missouri Pacific	7, 451	11, 052	10, 364	139, 808	120, 188	102, 903	89, 010
5. St. Louis-San Francisco	5, 269	5, 145	4, 439	84, 938	70, 956	59, 440	50, 125
6. Texas & New Orleans	4, 719	4, 387	3, 704	74, 328	62, 105	54, 905	46, 533
7. Texas & Pacific	1, 956	3, 190	2, 737	45, 696	37, 542	31, 850	26, 421

[1] Includes returns for the Delaware & Hudson Co. to March 31, 1930, and its successor, the Delaware & Hudson R. R. Corporation, subsequent thereto.

PRINCIPAL ITEMS OF TRAFFIC, REVENUES, AND EXPENSES OF LARGER COMPANIES

smaller roads of Class I not listed

Operating ratio (per cent)		Railway tax accruals		Net railway operating income		Freight revenue		Passenger revenue		Region and road
		Thousands of dollars								
1929	1930	1929	1930	1929	1930	1929	1930	1929	1930	
71.7	74.4	306,683	348,554	1,251,698	868,879	4,815,448	4,075,698	872,466	728,489	All regions.
70.6	71.1	14,683	13,281	54,628	43,768	169,329	145,899	70,075	62,717	New England.
75.7	73.4	3,406	3,532	12,642	12,251	51,917	45,242	16,235	14,400	1.
66.1	67.3	8,057	6,717	33,631	25,085	77,914	62,858	46,842	42,275	2.
74.3	78.0	67,371	62,637	206,759	133,822	855,965	762,491	171,039	156,914	Great Lakes.
77.7	81.1	1,038	1,438	8,165	5,869	35,173	32,731	3,284	2,732	1.
70.6	75.5	6,636	6,081	17,509	11,160	60,486	50,786	11,285	10,115	2.
78.1	79.8	4,943	4,474	19,035	13,690	93,327	77,755	10,411	9,306	3.
56.9	61.1	684	612	2,377	1,337	13,505	11,989	655	603	4.
75.6	77.5	5,627	5,086	21,462	15,027	105,922	89,744	11,066	10,002	Total 3 and 4.
74.6	79.4	3,689	2,680	12,939	8,538	59,359	50,288	6,506	5,512	5.
76.2	78.7	27,626	34,000	64,625	57,236	242,333	307,178	97,103	111,185	6.
70.8	75.5	3,055	2,568	10,472	5,649	52,251	42,730	1,983	1,985	7.
70.9	78.0	2,962	1,943	9,273	4,541	42,173	32,779	3,002	2,184	8.
83.2	78.8	2,117	1,694	7,892	7,373	30,533	24,690	2,239	1,780	9.
73.4	76.3	3,254	2,627	13,252	7,712	63,797	52,247	7,042	5,350	10.
72.2	75.1	82,934	66,683	279,737	179,022	1,070,817	824,972	226,114	184,126	Central Eastern.
73.6	74.1	11,966	10,327	49,184	40,249	205,489	173,709	22,139	18,568	1.
72.6	73.8	5,075	5,039	9,367	7,153	45,043	39,924	8,749	8,075	2.
77.5	109.7	1,670	1,683	2,209	5,503	19,535	15,388	3,410	2,619	3.
64.7	71.4	1,485	1,357	5,452	3,015	24,026	19,754	-------	2	4.
67.1	65.9	2,922	3,453	8,708	7,995	11,216	10,488	27,782	27,070	5.
72.2	74.9	40,519	35,662	133,140	92,182	482,896	399,303	129,684	113,803	6.
78.1	83.0	4,440	2,293	17,197	12,645	82,723	74,403	7,081	5,950	7.
60.8	61.4	21,663	22,203	93,317	81,879	250,933	235,268	15,519	12,643	Pocahontas.
65.9	63.1	8,645	9,799	37,832	39,515	118,056	120,715	6,398	5,365	1.
56.2	59.4	10,300	9,850	44,208	33,641	108,351	93,169	5,111	3,869	2.
75.5	78.4	51,147	42,974	132,635	88,406	600,109	508,807	103,285	81,272	Southern.
73.8	78.8	6,240	5,525	12,874	7,241	53,189	46,428	12,133	10,538	1.
76.4	76.5	1,530	1,323	4,508	3,669	19,061	16,289	3,432	2,726	2.
76.9	77.0	10,484	7,279	24,447	20,908	120,543	97,952	20,711	16,807	3.
79.2	82.3	7,566	6,234	20,828	14,007	107,041	93,402	15,473	11,637	4.
73.2	79.8	3,715	3,398	10,966	5,817	44,707	39,191	7,239	5,724	5.
71.7	75.0	9,321	8,384	30,031	19,708	107,962	91,709	22,005	17,129	6.
77.7	75.0	1,954	1,853	3,275	2,685	22,505	19,230	3,317	2,562	7.
72.1	76.1	51,123	46,026	142,987	89,631	588,231	498,992	79,077	61,759	Northwestern.
74.5	77.7	10,239	8,463	26,220	17,433	112,030	95,923	23,864	19,366	1.
75.2	78.8	9,649	9,501	26,274	15,955	137,176	115,638	16,753	12,682	2.
81.1	84.0	1,340	1,274	2,969	1,660	20,686	19,264	4,023	3,203	3.
65.8	69.1	9,201	8,713	32,458	21,913	101,179	85,798	11,298	9,000	4.
72.6	78.5	2,838	2,783	8,589	3,967	39,752	33,142	4,633	3,393	5.
73.1	77.8	9,211	7,481	21,410	14,293	76,862	65,135	9,821	7,726	6.
77.6	80.6	2,326	2,164	2,531	1,330	23,434	19,878	2,940	2,250	7.
68.8	71.2	80,201	71,008	237,945	172,303	833,349	718,625	152,121	125,676	Central Western.
65.0	70.1	18,106	16,521	58,766	38,444	164,454	139,884	34,603	28,539	1.
76.7	84.5	1,343	1,395	3,279	64	19,901	17,344	5,454	4,380	2.
68.7	69.9	12,025	11,102	35,358	27,956	126,778	111,157	18,818	15,360	3.
74.6	74.1	7,849	6,898	21,971	18,064	103,799	90,702	18,623	14,633	4.
70.5	69.6	2,395	2,170	8,529	6,941	28,542	24,951	3,440	2,595	5.
64.8	68.0	4,101	3,406	8,606	6,149	32,478	28,385	3,862	2,943	6.
69.6	71.8	18,086	15,330	48,024	34,674	104,484	138,007	39,212	34,292	7.
65.3	65.6	8,715	7,065	29,721	25,561	95,482	86,522	14,925	12,305	8.
71.7	72.7	27,561	23,742	103,490	80,048	446,215	380,644	55,236	43,382	Southwestern.
70.4	72.9	1,413	1,201	6,033	4,169	26,067	22,398	2,130	1,627	1.
59.2	58.7	2,053	1,707	11,552	9,655	30,441	25,319	3,080	2,554	2.
81.2	79.3	637	650	1,014	996	14,179	11,543	3,127	2,402	3.
73.6	74.1	6,250	5,429	24,554	20,790	114,345	99,779	13,023	10,211	4.
70.0	70.6	5,064	4,203	20,957	16,702	66,956	56,769	10,657	8,170	5.
73.9	74.9	4,175	3,912	11,697	8,425	57,730	48,859	10,333	8,231	6.
69.7	70.4	2,244	1,736	8,778	7,236	36,830	30,287	5,443	4,416	7.

Source: Interstate Commerce Commission

No. 450.—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 since 1908. Figures for 1911 to 1916, 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 per cent. Nonrevenue 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	Products of agriculture	Animals and products	Products of mines		Products of forests	Manufactures and miscellaneous	
				Coal and coke	Other		Carload shipments	Less than carload
I. REVENUE FREIGHT ORIGINATED								
All roads:								
1901–1905	[1] 691,121	59,406	16,008	237,753	85,803	72,786	119,707	27,800
1906–1910	[1] 930,255	73,864	20,000	324,282	147,864	98,879	162,225	33,091
1911–1915 [2]	[1] 1,053,048	99,095	25,731	392,808	192,058	101,143	181,191	41,314
1916 [2]	[1] 1,293,091	116,867	31,204	461,608	275,543	111,850	239,849	54,420
Class I:								
1916	[1] 1,203,367	113,635	30,473	429,751	250,342	93,819	231,038	52,911
1917	1,264,016	104,629	31,858	481,632	251,021	100,838	240,269	53,769
1918	1,263,344	116,051	35,777	500,709	234,027	97,256	226,077	53,387
1919	1,096,111	115,033	35,494	399,072	190,879	94,076	210,256	51,302
1920	1,255,421	110,840	26,595	489,344	222,810	100,766	251,864	53,202
1921	940,183	114,069	24,263	376,220	135,050	76,419	172,169	41,992
1922	1,023,745	111,787	26,230	351,846	181,152	89,059	220,442	43,229
1923	1,279,030	109,318	28,254	471,854	241,881	115,618	267,767	44,338
1924	1,187,206	116,587	27,747	414,499	223,083	108,094	256,737	40,549
1925	1,247,242	109,313	26,324	424,403	253,933	107,391	285,291	40,557
1926	1,336,142	111,787	26,243	486,944	270,759	104,851	290,067	39,491
1927	1,281,611	113,342	26,003	449,891	263,511	99,351	291,073	38,440
1928	1,285,943	118,022	25,634	432,296	264,287	96,737	312,013	36,954
1929	1,339,091	115,343	24,907	459,397	278,482	94,855	330,064	36,043
1930	1,153,197	110,729	23,129	407,937	234,600	69,370	277,765	29,667
Eastern district:								
1928	545,968	21,451	6,024	222,180	78,328	11,151	188,643	18,191
1929	576,718	20,967	5,853	238,608	81,451	10,531	201,512	17,796
1930	495,974	21,540	5,516	215,128	68,039	8,289	162,740	14,722
Southern district:								
1928	294,173	14,288	1,985	162,283	41,352	29,778	37,206	7,281
1929	295,468	14,865	1,837	168,770	35,971	29,659	37,284	7,082
1930	261,144	14,357	1,689	148,226	36,445	21,160	33,417	5,850
Western district:								
1928	445,802	82,283	17,625	47,833	144,607	55,808	86,164	11,482
1929	466,905	79,511	17,217	52,019	161,060	54,665	91,268	11,165
1930	396,079	74,832	16,924	44,583	130,116	39,921	81,608	9,095
II. TOTAL REVENUE FREIGHT [3]								
All roads:								
1901–1905	[1] 1,266,314	125,234	34,596	419,764	150,474	122,927	231,259	51,468
1906–1910	[1] 1,673,431	150,384	38,769	589,884	238,563	168,023	314,007	59,277
1911–1915 [2]	[1] 1,881,635	193,252	44,194	712,193	284,499	183,292	356,669	71,347
Class I:								
1916–1920	[1] 2,212,267	225,505	55,199	826,912	349,733	193,436	466,202	93,550
1921–1925	2,068,202	221,961	46,065	757,498	316,014	192,256	465,097	66,371
1926–1930	2,341,062	221,019	45,054	852,777	395,987	179,554	584,457	62,214
1926	2,465,369	223,924	47,023	926,354	414,723	204,790	579,830	68,225
1927	2,363,639	221,384	46,696	871,713	400,591	192,774	594,643	65,838
1928	2,361,623	225,550	45,724	838,085	396,400	187,347	605,256	63,261
1929	2,451,601	223,264	44,729	878,014	418,797	182,177	642,191	62,430
1930	2,063,078	210,971	41,097	749,218	349,424	130,684	530,368	51,816
Eastern district:								
1928	1,238,607	68,913	18,119	549,901	160,661	48,929	359,155	32,929
1929	1,294,927	67,566	17,962	576,405	172,937	46,426	381,115	32,516
1930	1,055,454	63,146	16,297	482,846	135,754	32,100	298,885	26,426
Southern district:								
1928	427,027	32,695	4,101	195,752	56,724	49,672	75,182	12,901
1929	429,575	33,794	3,888	202,561	50,065	49,524	77,128	12,615
1930	383,374	32,717	3,640	181,707	50,895	35,257	68,530	10,628
Western district:								
1928	695,989	123,942	23,504	92,432	179,015	88,746	170,919	17,431
1929	727,099	121,904	22,878	99,048	195,795	86,227	183,948	17,299
1930	624,250	115,108	21,160	84,665	162,775	63,327	162,953	14,262

[1] Includes some undistributed freight. [2] Excluding Class III. [3] Including receipts from connecting lines.
Source: Interstate Commerce Commission.

No. 451.—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, 1930 (thousands of tons of 2,000 pounds)		
	All districts								1930					
	1920	1924	1925	1926	1927	1928	1929	1930	Eastern district	Southern district	Western district	Eastern district	Southern district	Western district
Grand total, carload and l. c. l.	1,255,421	1,187,296	1,247,242	1,396,142	1,281,611	1,285,943	1,339,081	1,153,197	495,974	261,144	396,079	1,055,454	383,374	624,250
Grand total, carload traffic	1,202,219	1,146,747	1,206,655	1,296,651	1,243,171	1,248,989	1,303,048	1,123,530	481,252	255,294	386,984	1,028,027	372,746	609,983
Products of agriculture, total	110,840	116,587	109,313	111,787	113,343	118,022	111,243	110,728	21,539	14,357	74,832	63,145	32,717	115,108
Wheat	23,131	27,444	21,548	24,379	26,327	25,950	27,019	25,466	3,035	714	21,717	5,232	2,223	27,800
Corn	12,680	14,883	12,080	13,927	13,162	17,045	15,258	13,986	3,012	1,704	9,270	0,268	2,739	12,867
Oats	8,615	8,507	8,450	6,496	5,518	5,888	5,713	5,184	1,235	790	3,159	2,933	1,528	4,509
Other grain	5,669	5,606	4,504	4,014	5,212	5,506	4,477	4,045	244	96	3,705	768	379	4,887
Flour and meal	10,952	10,331	9,901	10,137	10,027	10,753	10,627	10,546	2,751	862	6,933	10,207	3,143	10,269
Cereal foods and other mill products	8,891	10,085	9,578	9,768	10,178	10,581	10,820	10,610	3,644	1,124	5,842	8,863	2,562	8,599
Hay, straw, and alfalfa	7,957	5,802	5,506	5,028	4,467	3,909	3,697	3,494	1,424	160	1,901	2,779	1,415	2,648
Leaf tobacco [1]	1,081	1,070	1,138	1,010	1,053	945	989	1,008	113	850	45	203	1,369	57
Cotton	3,379	3,259	4,127	4,482	4,180	3,773	3,940	3,032	81	1,239	1,712	984	2,605	2,803
Cottonseed and products, except oil	4,573	4,598	5,849	6,484	6,046	4,984	5,076	5,005	20	2,801	2,244	718	4,131	3,544
Citrus fruits	1,404	1,650	1,363	1,523	1,750	1,543	2,355	1,734	42	755	937	1,896	2,095	3,276
Other fresh fruits	5,271	5,114	5,910	6,321	6,648	6,401	5,690	5,919	1,077	1,299	3,543	5,768	3,280	9,834
Potatoes, except sweet [2]	4,118	4,591	4,614	4,339	3,727	4,511	4,425	4,332	1,923	396	2,013	7,811	1,319	4,770
Other fresh vegetables	2,205	2,085	2,828	2,800	3,033	3,124	3,222	3,232	744	646	1,872	3,817	1,949	0,255
Dried fruits and vegetables	1,165	1,438	1,533	1,568	1,527	1,878	1,609	1,674	377	102	1,195	1,056	368	2,498
Sugar beets	9,741	9,524	9,824	9,501	10,526	5,260	5,348	6,246	516	4	5,726	694	4	6,326
Other products of agriculture						4,881	5,077	5,125	1,301	806	3,018	2,938	1,498	4,161
Animals and products, total	26,595	27,747	26,324	26,244	26,003	25,634	24,907	23,129	5,516	1,689	15,924	16,297	3,640	21,160
Horses and mules	936	531	544	513	541	577	553	440	34	70	336	96	146	487
Cattle and calves	9,809	9,315	9,330	9,240	8,634	7,977	7,310	6,785	835	417	5,533	1,742	562	7,226
Sheep and goats	1,344	1,215	1,224	1,270	1,297	1,361	1,337	1,335	187	62	1,136	445	73	1,339
Hogs	5,421	6,707	5,502	5,272	5,369	5,871	5,534	4,902	931	317	3,654	1,841	442	4,262

[1] Includes refuse, stems, etc., prior to 1928.

[2] "Potatoes" prior to 1928.

No. 451.—Revenue Freight Carried, by Classes of Commodities: Class I Carriers—Continued

Commodity	Revenue freight originated (thousands of tons of 2,000 pounds)											Total revenue freight carried, 1930 (thousands of tons of 2,000 pounds)		
	All districts								1930					
	1920	1924	1925	1926	1927	1928	1929	1930	Eastern district	Southern district	Western district	Eastern district	Southern district	Western district
Animals and products—Continued														
Fresh meats	2,770	3,000	2,904	2,996	2,987	2,935	3,007	2,928	918	230	1,780	3,796	670	2,102
Other packing-house products	2,206	2,395	2,139	2,022	1,957	2,203	2,274	1,970	787	234	949	2,014	907	1,475
Poultry	264	376	357	409	407	406	417	419	69	42	308	755	74	431
Eggs	536	572	591	644	651	635	588	612	101	43	468	875	103	761
Butter and cheese	425	648	686	725	747	754	793	807	145	29	633	1,125	126	832
Wool	293	294	263	281	356	394	414	354	187	5	162	559	35	283
Hides and leather	1,051	1,026	1,026	985	1,010	915	913	847	482	97	268	1,368	213	409
Other animals and products	1,540	1,668	1,758	1,887	2,049	1,606	1,717	1,680	840	143	697	1,681	284	1,053
Products of mines, total	712,154	637,582	678,336	757,703	713,402	696,583	737,879	642,537	283,167	184,671	174,699	618,609	232,602	247,440
Anthracite	78,100	76,108	58,260	76,015	72,176	69,997	71,931	71,252	70,650	120	482	110,650	250	1,090
Bituminous coal	389,349	320,376	346,346	388,736	361,551	346,057	368,339	322,150	133,366	146,569	42,215	355,247	179,058	80,467
Coke	26,895	18,023	19,798	22,193	16,164	16,241	19,127	14,536	11,113	1,537	1,886	16,949	2,399	3,107
Iron ore	84,433	55,851	72,134	76,023	66,355	68,684	82,123	59,980	2,912	2,695	54,373	37,594	3,703	55,295
Copper ore and concentrates	21,550	10,504	12,289	13,039	11,335	5,916	7,057	4,525	5	4	4,516	42	204	7,147
Other ores and concentrates						5,922	7,714	6,957	2,648	591	3,718	5,002	1,115	6,610
Gravel, sand, and stone [3]	98,720	136,650	145,405	157,295	161,776	128,304	121,559	112,196	38,410	22,655	51,131	49,678	30,463	64,698
Crude petroleum	6,435	8,412	11,245	10,744	10,531	7,633	6,630	6,598	238	66	6,294	1,810	294	13,035
Asphaltum	1,424	2,517	2,531	3,101	3,170	2,899	3,196	2,925	1,789	553	583	3,360	1,146	1,356
Salt	3,250	3,303	3,403	3,238	3,251	3,341	3,183	2,952	1,470	33	1,449	3,774	964	3,029
Phosphate rock, crude	6,997	5,847	6,925	7,319	7,094	4,801	5,165	5,712	74	5,543	95	310	6,278	153
Sulphur						1,811	2,253	1,934	219	80	1,635	521	288	2,756
Other products of mines [3]						34,977	39,602	30,820	20,273	4,225	6,322	33,673	6,440	8,697
Products of forests, total	100,766	108,094	107,391	104,351	99,351	96,737	94,855	69,371	8,290	21,160	39,921	32,100	35,257	63,327
Logs, posts, poles, piling, and cordwood	38,571	45,551	45,428	45,163	41,676	39,541	39,611	28,451	1,597	5,576	21,278	3,851	6,921	24,983
Ties	5,472	5,508	4,292	4,833	5,338	4,240	4,024	3,522	516	1,529	1,477	1,511	2,246	2,019
Pulp wood	4,992	5,603	5,826	5,943	6,989	6,893	6,781	6,524	1,988	1,171	3,365	3,902	1,830	4,941
Lumber, shingles, lath, cooperage materials, veneer, etc	48,618	48,612	49,019	46,062	42,846	42,776	40,937	27,800	3,127	11,465	13,208	20,155	22,225	30,488
Other forest products	3,112	2,820	2,826	2,350	2,501	3,287	3,502	3,074	1,062	1,419	593	2,681	2,035	896

Manufactures and miscellaneous, total	251,864	256,737	285,291	296,066	291,073	312,013	330,064	277,705	162,740	33,417	81,608	298,885	68,530	162,953
Refined petroleum and its products	29,616	41,298	46,273	48,938	51,661	58,480	64,240	62,901	22,898	6,295	33,708	42,484	14,972	65,592
Vegetable oils	938	1,150	1,446	1,621	1,893	1,561	1,733	1,602	366	534	702	1,212	1,060	1,302
Sugar, sirup, glucose, and molasses	5,664	5,407	5,700	5,714	5,582	5,605	5,858	5,659	1,820	904	2,935	3,759	2,377	5,702
Iron, pig [4]	16,451	12,071	14,577	15,132	11,488	8,033	8,000	5,140	3,383	1,249	508	5,052	1,599	1,214
Scrap iron and steel	(5)	(5)	(5)	(5)	(5)	11,746	13,527	9,901	7,653	711	1,537	11,685	1,164	2,098
Iron and steel (6th class, n. o. s.)	(5)	(5)	(5)	(5)	(5)	5,130	5,746	3,680	3,526	34	120	4,991	153	325
Rails, fastenings, frogs, and switches [6]	3,047	2,471	2,646	2,875	2,595	2,551	2,658	1,778	1,368	163	247	1,990	410	956
Iron and steel pipes and fittings [7]	27,443	24,800	29,144	30,568	31,878	6,945	7,670	6,442	4,437	864	1,141	9,919	2,155	5,550
Iron and steel (5th class, n. o. s.) [7]						33,386	37,427	26,745	24,159	905	1,631	38,819	2,424	5,841
Iron and steel nails and wire	(5)	(5)	(5)	(5)	(5)	1,667	1,873	1,372	1,050	67	255	1,908	171	628
Copper: Ingot, matte and pig	5,170	4,904	5,419	5,604	2,898	999	1,108	665	264	18	333	1,127	23	1,146
Lead and zinc: Ingot, pig, or bar						1,218	1,338	1,124	466	17	642	1,513	156	1,816
Other metals, pig, bar, sheet, etc						431	525	379	199	6	174	434	33	371
Machinery and boilers [8]	9,391	4,930	5,359	5,772	5,176	3,772	3,931	3,072	2,164	182	726	4,524	715	1,849
Cement	15,400	22,970	24,516	24,921	25,889	26,080	25,008	23,180	11,160	2,915	9,105	22,785	5,633	14,240
Brick and artificial stone	15,251	18,165	19,668	20,337	19,556	19,019	17,216	12,595	7,442	2,254	2,899	13,159	3,483	6,083
Lime and plaster	4,410	6,008	6,830	6,642	6,092	5,300	4,803	3,452	1,970	482	1,000	3,609	1,057	2,053
Sewer pipe and drain tile	2,165	2,281	2,426	2,387	2,712	2,556	2,708	1,946	1,135	265	546	2,241	511	900
Agricultural implements and vehicles other than automobiles [9]	3,324	2,158	2,281	2,304	3,118	1,903	2,136	1,657	453	120	1,084	1,158	329	2,019
Automobiles, autotrucks, parts, tires, etc	3,427	6,061	6,980	7,387	6,324	8,752	10,423	6,624	5,389	274	961	11,124	1,560	3,935
Furniture	743	837	970	987	1,004	1,063	1,102	733	314	209	210	936	442	530
Beverages	1,240	683	841	760	804	813	774	893	293	172	428	588	230	617
Ice	5,795	4,430	4,928	4,145	4,062	3,922	3,310	2,578	1,094	260	1,224	1,343	284	1,277
Fertilizers	9,204	7,815	8,463	8,197	10,465	12,859	13,276	12,302	4,176	5,809	2,317	7,264	8,482	3,851
Printing paper [10]	3,144	3,051	3,328	3,441	3,322	3,303	3,480	3,399	2,547	182	670	8,514	488	2,269
Chemicals and explosives [11]	8,348	8,423	9,579	10,084	9,116	2,979	3,213	2,672	1,200	680	702	2,100	1,223	1,041
Textiles	805	882	966	933	785	937	941	710	204	368	138	631	783	326
Canned food products	3,074	3,740	4,144	4,070	4,204	4,805	5,029	4,751	2,102	294	2,355	5,055	859	4,670
Furnace slag	77,814	72,202	78,807	83,217	80,447	8,784	9,835	11,000	9,739	1,160	101	10,755	1,596	116
Paper board, pulpboard and wall board (paper)						2,317	2,511	2,241	1,471	374	396	3,194	729	990
Building paper and prepared roofing materials						2,035	2,325	1,687	1,083	140	464	1,936	416	863
Other manufactures and miscellaneous						63,062	66,338	54,885	37,126	5,510	12,249	73,046	13,013	23,761
Merchandise—all l. c. l. freight	53,202	40,549	40,587	39,491	38,440	36,954	36,043	29,667	14,722	5,850	9,095	26,427	10,628	14,282

[3] "Gravel, sand, and stone" includes clay prior to 1928 which is reported with "Other products of mines" in 1928 and 1929. [4] Includes bloom prior to 1928.
[5] Not reported separately. [6] "Rails and fastenings" prior to 1928. [7] "Bar, sheet, and structural iron and pipe" prior to 1928. [8] Includes castings prior to 1928.
[9] Includes railway car wheels, axles and trucks prior to 1928. [10] "Paper, printed matter, and books" prior to 1928. [11] Data for 1928 and 1929 not comparable with prior years.

Source: Interstate Commerce Commission.

No. 452.—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, 985,080

Month	1926	1927	1928	1929	1930	1926	1927	1928	1929	1930
	Total, all commodities					Grain and grain products				
Year	1,021,131	992,996	992,113	1,015,922	882,450	45,449	45,745	48,326	46,081	43,575
January	921,674	939,165	862,224	892,864	837,356	47,094	44,747	46,920	45,524	39,166
February	919,333	950,480	897,686	941,534	876,490	42,766	43,408	46,874	47,165	43,745
March	969,349	996,509	950,512	963,187	882,925	39,812	39,061	47,499	42,642	40,209
April	958,201	968,897	935,077	997,286	904,823	37,518	37,131	39,784	35,978	39,114
May	1,036,455	1,027,118	1,001,289	1,036,480	919,711	39,064	39,738	40,776	37,973	37,023
June	1,022,335	999,171	984,823	1,072,970	920,862	39,314	40,205	34,482	44,010	41,503
July	1,042,752	978,440	986,010	1,040,020	888,933	54,754	46,477	51,587	61,710	58,328
August	1,097,030	1,062,462	1,069,081	1,120,141	934,074	55,637	55,084	57,714	63,222	60,799
September	1,130,778	1,097,621	1,117,635	1,135,572	961,311	49,079	58,829	59,618	49,866	47,304
October	1,193,515	1,116,218	1,175,970	1,169,853	954,446	51,852	54,813	54,830	46,437	40,704
November	1,062,068	955,726	1,028,842	978,031	825,427	43,687	45,641	52,640	38,415	38,093
December	893,078	885,055	879,259	834,584	695,961	42,066	44,022	47,175	39,444	35,712
	Livestock					Coal				
Year	30,696	29,749	29,248	27,292	24,716	190,998	177,562	168,625	174,909	152,921
January	33,479	32,330	31,912	29,480	27,009	187,445	222,743	177,538	202,422	196,066
February	28,231	27,687	32,514	26,420	25,740	174,564	213,204	170,025	211,006	187,759
March	28,374	27,255	28,670	24,221	23,614	181,477	204,142	163,002	156,504	137,045
April	27,055	27,585	26,344	25,720	24,093	164,159	154,326	145,132	146,057	132,847
May	27,738	28,846	26,667	25,672	23,445	166,237	161,630	157,574	154,706	138,147
June	26,871	26,935	25,204	23,577	21,610	171,663	151,047	145,026	155,056	135,251
July	26,796	25,488	22,752	23,008	20,073	176,000	144,240	142,903	146,522	130,618
August	29,261	28,074	25,356	24,271	21,110	190,556	173,988	166,525	168,475	145,505
September	36,775	31,750	34,231	30,921	26,944	199,114	183,028	181,082	187,934	151,270
October	40,049	39,578	38,668	37,284	32,226	225,771	190,665	206,574	203,957	174,483
November	34,578	33,642	31,849	31,383	27,984	235,060	169,253	193,737	185,597	162,226
December	29,091	28,869	28,292	25,448	23,424	213,938	184,335	177,181	189,261	151,019
	Coke					Ore				
Year	13,142	10,547	10,264	12,201	9,368	41,907	36,380	36,726	43,876	32,014
January	17,966	12,176	10,659	12,071	11,002	9,879	9,461	8,199	8,910	8,414
February	17,992	12,361	11,537	13,392	11,708	10,196	10,688	8,098	9,244	8,368
March	14,371	12,303	10,875	12,834	10,057	10,544	10,920	8,564	11,423	9,024
April	12,507	11,447	10,118	12,066	10,020	15,042	25,473	10,263	27,670	12,701
May	11,841	10,693	10,152	12,508	9,801	55,301	59,883	41,209	71,454	51,736
June	11,476	10,367	9,664	12,306	9,463	67,663	64,742	65,597	76,481	62,528
July	11,272	9,669	8,812	11,874	8,533	72,788	63,003	62,538	76,359	61,250
August	11,464	9,691	9,349	11,971	8,310	77,601	62,188	64,340	75,762	56,878
September	12,174	9,780	10,138	11,904	8,202	75,196	55,897	62,742	68,650	48,780
October	13,023	9,447	10,726	12,172	8,853	67,666	48,046	60,246	60,041	38,483
November	12,832	9,067	10,631	11,610	8,198	32,078	19,291	32,565	29,216	18,303
December	11,777	9,597	10,641	11,668	8,549	9,564	8,370	10,223	8,219	5,620
	Forest products					Miscellaneous and L. C. L.				
Year	70,277	65,819	63,986	62,469	45,547	628,865	627,193	634,938	649,094	574,309
January	60,959	64,344	58,280	54,240	45,452	558,853	553,364	528,717	540,211	510,246
February	74,820	68,896	67,779	60,224	54,310	570,756	574,236	560,857	574,084	544,860
March	76,972	70,522	68,729	67,013	58,814	617,798	632,306	623,173	648,551	604,162
April	75,692	68,439	64,331	69,596	57,437	626,227	644,496	639,104	679,199	628,611
May	76,704	71,026	67,392	68,636	52,939	656,670	655,296	657,428	665,531	606,020
June	74,244	67,690	65,825	70,306	49,657	631,103	638,184	639,024	690,634	609,850
July	67,227	63,344	59,669	61,312	39,904	633,915	626,220	637,501	659,234	570,226
August	70,739	68,904	66,412	68,761	41,474	661,770	664,474	680,985	707,679	599,997
September	70,546	67,633	63,632	62,963	40,383	687,894	690,706	706,193	723,335	608,428
October	72,218	67,172	66,172	63,622	39,686	722,935	706,497	798,754	746,340	620,012
November	65,504	61,097	63,525	55,075	34,803	638,329	617,734	643,895	626,736	535,729
December	54,547	52,050	53,948	45,485	30,237	536,494	527,761	551,798	514,558	441,400

Source: American Railway Association.

No. 453.—STEAM RAILWAY ACCIDENTS, BY CAUSES

NOTE.—See headnote to Table 454

Cause of accident	Killed					Injured				
	1921–1925, average	1926–1930, average	1928	1929	1930	1921–1925, average	1926–1930, average	1928	1929	1930
All accidents	6,618	6,480	6,509	6,496	5,481	141,688	89,404	85,561	76,995	49,430
Train accidents	394	308	272	326	296	4,409	2,985	2,873	3,284	1,782
Passengers	72	30	16	36	7	2,423	1,455	1,404	1,742	790
Employees	237	164	143	160	131	1,597	1,132	1,139	1,030	641
Other persons	85	114	113	130	158	389	398	330	512	351
Causes:										
Collisions	139	89	70	85	56	2,071	1,391	1,192	1,212	677
Passengers	37	11	8	1	1	1,172	710	577	513	338
Employees	89	70	53	76	50	764	526	498	437	271
Other persons	14	8	9	8	5	135	155	117	262	68
Derailments	197	130	129	156	146	2,109	1,379	1,496	1,871	894
Passengers	34	18	8	35	6	1,212	718	784	1,202	429
Employees	111	66	69	63	52	690	487	545	501	271
Other persons	52	55	52	58	88	208	173	167	168	194
Other causes	58	81	73	85	94	228	215	185	201	211
Passengers	2	1	------	------	------	39	27	43	27	23
Employees	36	28	21	21	29	143	119	96	92	99
Other persons	20	52	52	64	65	46	69	46	82	89
Train-service accidents	5,794	5,796	5,872	5,808	4,875	44,420	35,395	34,514	33,415	23,780
Passengers	100	63	67	61	43	3,155	2,208	2,055	2,101	1,875
Employees	1,088	940	895	977	610	31,563	23,275	22,640	21,151	13,074
Other persons	4,605	4,793	4,910	4,768	4,222	9,701	9,912	9,819	10,163	8,831
Causes:										
Coupling or uncoupling locomotives or cars	80	48	37	59	30	1,624	1,124	1,135	965	604
Coupling or uncoupling air hose	22	19	28	20	7	435	353	354	328	232
Operating locomotives	20	16	13	17	17	6,259	3,731	3,402	3,160	1,929
Operating hand brakes	30	30	25	37	26	2,090	1,875	1,836	1,755	1,154
Operating switches	2	1	1	1	2	965	747	684	729	378
Contact with fixed structures	59	57	45	43	57	836	534	521	460	358
Getting on or off cars or locomotives	484	419	368	412	441	9,125	7,084	6,729	6,522	5,010
Highway grade-crossing accidents[1]	1,997	2,315	2,496	2,399	1,908	5,826	6,400	6,573	6,673	5,577
Struck or run over, not at public crossings	[2]2,415	2,267	2,253	2,188	1,828	[2]2,079	1,721	1,639	1,611	1,276
Miscellaneous	1,157	625	606	630	559	15,595	11,824	11,641	11,212	7,462
Nontrain accidents	430	376	365	364	310	92,860	51,024	48,174	40,296	23,868
Passengers	[2]4	2	2	3	------	[2]634	595	568	528	515
Employees	329	288	289	287	233	90,630	48,990	46,467	38,558	22,157
Other persons	97	85	74	74	77	1,724	1,440	1,139	1,210	1,196

[1] Excludes persons killed and injured at highway grade crossings in connection with derailments and miscellaneous train accidents.

[2] Average for 1922 to 1924. Separate data not available for 1921.

Source: Interstate Commerce Commission.

No. 454.—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		Employees		Other persons		Trespassers[1]	
	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured
June 30:										
1891–1895	6,821	35,313	292	2,967	2,315	27,051	4,214	5,294	-------	-------
1896–1900	6,946	42,248	222	3,237	2,054	32,793	4,670	6,219	-------	-------
1901–1905	9,326	72,943	392	7,894	3,249	57,209	5,686	7,840	-------	-------
1906	10,618	97,706	350	10,764	3,929	76,701	6,339	10,241	-------	-------
1907	11,839	111,016	610	13,041	4,534	87,644	6,695	10,331	-------	-------
1908	10,188	104,230	381	11,556	3,405	82,487	6,402	10,187	-------	-------
1909	8,722	95,626	253	10,311	2,610	75,006	5,859	10,309	-------	-------
1910	9,682	119,507	324	12,451	3,382	95,671	5,976	11,385	-------	-------
1911	10,396	150,159	299	12,042	3,602	126,039	6,495	12,078	-------	-------
1912	10,585	160,538	283	14,938	3,635	142,442	6,667	12,158	-------	-------
1913	10,964	200,308	350	15,130	3,715	171,417	6,899	13,761	-------	-------
1914	10,302	192,662	232	13,887	3,259	165,212	6,811	13,563	-------	-------
1915	8,621	162,040	199	10,914	2,152	138,092	6,270	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	3,199	174,247	6,587	12,976	-------	-------
1918	9,286	174,575	471	7,316	3,419	156,013	5,396	11,246	-------	-------
1919	6,978	149,053	273	7,456	2,138	131,018	4,567	10,579	-------	-------
1920	6,958	168,309	229	7,391	2,578	149,414	4,151	11,304	-------	-------
1921	5,906	120,685	205	5,584	1,446	104,530	4,345	10,571	-------	-------
1922	6,325	134,871	203	6,712	1,657	117,197	1,967	7,834	2,498	3,128
1923	7,355	171,712	143	6,403	2,026	152,678	2,397	9,279	2,819	3,202
1924	6,617	143,739	153	6,023	1,543	125,319	2,300	9,288	2,621	3,129
1925	6,766	137,435	176	5,643	1,599	119,224	2,347	9,640	2,644	2,928
1926	7,000	130,235	155	5,149	1,672	111,903	2,640	10,387	2,623	2,796
1927	6,821	104,799	82	4,560	1,566	88,223	2,519	9,020	2,654	2,996
1928	6,500	85,561	86	4,027	1,327	70,246	2,718	8,652	2,379	2,636
1929	6,496	76,995	100	4,371	1,424	60,739	2,665	9,308	2,307	2,577
1930	5,481	49,430	50	3,180	974	35,872	2,153	7,430	2,304	2,948

[1] Trespassers included with "other persons" prior to 1922.

No. 455.—CONSUMPTION OF FUEL AND REPLACEMENTS OF RAILS AND TIES: CLASS I CARRIERS

NOTE.—Rails and ties laid in new construction are not included

	All districts			1929		
	1927	1928	1929	Eastern district	Southern district	Western district
Consumption of fuel by locomotives:						
Anthracite coal, 1,000 tons	1,603	1,490	1,579	1,579	-------	-------
Bituminous coal, do	115,883	112,382	113,894	54,961	24,448	34,485
Fuel oil[1], 1,000 gallons	2,420,036	2,498,144	2,628,414	10,040	37,189	2,581,179
Hardwood[1], cords	27,294	25,231	19,499	4,445	14,791	263
Softwood[1], do	67,304	55,995	52,815	20,540	2,788	29,487
Total, coal equivalent[2], 1,000 tons	132,945	129,742	132,137	56,616	24,681	50,840
Rails laid in replacement and betterment:						
Total tonnage, 1,000 long tons	3,819	3,806	3,610	1,635	630	1,345
Total charges[3], 1,000 dollars	138,732	138,652	130,397	57,663	22,146	50,588
Ties laid in previously constructed tracks:						
Crossties, thousands	78,340	77,371	74,679	19,184	16,913	38,582
Switch and bridge ties, 1,000 board feet	259,997	[4] 269,149	[4] 250,063	83,502	63,149	103,412
Total charges[3], 1,000 dollars	117,871	[4] 118,044	[4] 111,825	39,294	22,559	49,972

[1] 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.
[2] Totals include equivalent of a small amount of miscellaneous fuel.
[3] The total charges shown do not include the labor cost of applying the rails or ties.
[4] Figures do not include data for 279 linear feet of steel ties in 1928, and 156 in 1929.

Source of Tables 454 and 455: Interstate Commerce Commission.

No. 456.—EXPRESS COMPANIES: INCOME ACCOUNT

NOTE.—In thousands of dollars. Mileage operated by express companies, 1930: Total, 276,198; steam road, 231,008; electric line, 2,703; steamboat line, 26,366; airplane, 13,361; stage line, 2,760. The Railway Express Agency, Inc., operates 265,954 miles, and the Southeastern Express Co., 10,244 miles.

[All figures in thousands of dollars]

Calendar year	Receipts for transportation	Paid for express privileges	Total operating revenues [1]	Operating expenses	Net operating revenues	Express taxes	Operating income [2]	Other income	Net income [3]
American Railway Express Co.:									
1920	333,890	141,829	195,665	234,810	[4] *39,144*	2,182	[4] *41,364*	2,076	[4] *39,288*
1921	294,664	113,491	184,897	182,265	2,631	2,095	508	2,074	2,309
1922	291,349	142,323	152,503	149,142	3,361	2,214	1,108	1,966	2,774
1923	309,579	155,736	157,444	154,446	2,998	2,138	834	1,851	2,400
1924	287,281	139,997	150,640	147,447	3,193	2,102	1,045	1,458	2,282
1925	290,303	143,832	149,715	146,433	3,282	2,059	1,195	1,088	2,184
1926	294,519	147,812	150,097	146,825	3,272	2,143	1,110	1,237	2,318
1927	284,513	139,494	148,730	145,467	3,263	2,197	1,050	1,204	2,207
1928	281,545	141,288	143,877	140,675	3,202	2,033	1,146	1,216	2,321
1929 [5]	41,104	18,554	23,083	22,560	523	327	193	193	381
Railway Express Agency, Inc.:									
1929 [6]	242,216	127,591	117,028	115,535	2,093	1,343	734	687	20
1930	237,488	112,366	128,470	125,821	2,649	1,375	1,259	509	36
Southeastern Express Co.:									
1921 [7]	4,374	1,649	2,781	2,719	61	25	37	10	47
1922	7,103	3,320	3,880	3,750	130	79	50	20	70
1923	7,866	3,877	4,097	3,908	189	88	99	24	123
1924	7,910	3,755	4,266	4,103	163	109	51	19	70
1925	8,041	3,912	4,241	4,086	155	86	67	20	87
1926	8,257	4,021	4,357	4,196	161	83	76	24	100
1927	8,176	3,971	4,342	4,188	154	88	62	28	90
1928	7,870	3,738	4,268	4,126	142	100	40	30	70
1929	8,007	3,900	4,244	4,098	146	110	35	38	73
1930	6,764	2,940	3,936	3,803	133	97	35	35	70

[1] Includes revenues from sources other than transportation.
[2] Deducting, besides taxes, a small amount of uncollectible revenue.
[3] Sum of two preceding columns less small deductions.
[4] Deficit.
[5] Result of operations for two months ended Feb. 28, 1920.
[6] Result of operations for ten months ended Dec. 31, 1929.
[7] Result of operations for eight months ended Dec. 31, 1921.

No. 457.—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 [1]	Expenses, car operations		Net revenues, car operation	Operating income	Revenue passengers carried	
				Total	Conducting car operations			Thousands	Number per car day
June 30:									
1910	35,334	66	893	23,962	(2)	11,372	13,151	20,203	14
1914	41,499	491	1,969	28,116	12,376	13,383	12,270	26,189	12
1915	38,723	467	1,954	26,633	11,716	12,090	10,816	24,252	12
1916	43,347	487	3,239	28,836	12,762	14,511	13,017	26,782	12
Dec. 31:									
1916	44,203	482	2,694	30,879	13,457	13,324	11,745	27,866	12
1917	51,777	102	4,498	35,449	16,047	16,328	12,469	32,261	14
1918	49,967	----	3,918	40,593	20,202	9,374	7,763	28,751	13
1919	69,071	----	31	48,618	26,392	20,453	19,194	37,346	15
1920	72,124	----	13,155	61,031	30,805	11,093	9,304	39,255	16
1921	64,439	----	7,079	64,744	28,136	[3] *305*	[3] *3,277*	31,225	13
1922	65,582	----	8,379	53,029	26,022	12,553	8,540	31,748	13
1923	72,576	----	8,555	55,885	27,365	16,691	12,289	34,249	13
1924	72,758	----	9,075	61,609	30,023	11,149	7,755	34,086	12
1925	80,198	----	8,873	63,513	32,247	16,685	12,546	35,526	12
1926	81,834	----	9,463	68,204	35,009	13,630	9,565	36,073	11
1927	80,952	----	8,906	60,503	34,848	14,449	10,360	35,197	11
1928	80,846	----	8,604	66,656	34,935	14,190	10,938	33,924	11
1929	82,384	----	8,704	69,490	36,191	12,894	9,185	33,434	10
1930	76,234	----	5,534	68,960	35,379	7,274	4,937	29,360	9

[1] Amounts due other carriers under the provisions of definite contracts. [2] Not separated. [3] Deficit.

Source of Tables 456 and 457: Interstate Commerce Commission.

No. 458.—THE ALASKA RAILROAD TRAFFIC: ANALYSIS OF STATISTICS OF PASSENGER AND FREIGHT SERVICES, YEARS ENDED JUNE 30

	1929	1930		1929	1930
Road mileage operated—monthly average	543.7	551.8	FREIGHT TRAFFIC		
PASSENGER TRAFFIC			Freight train-miles	90,006	96,344
Passenger train-miles [1]	40,729	97,736	Mixed train-miles	116,569	68,571
Mixed train-miles	116,569	68,571	Loaded cars, 1 mile, freight and mixed trains	1,361,064	1,369,448
Passenger car-miles, passenger trains [1]	44,123	171,073	Empty cars, 1 mile, freight and mixed trains	788,253	802,663
Passenger car-miles, mixed trains	233,511	134,508	All cars, 1 mile	2,149,317	2,172,111
Total revenue passengers carried	53,177	43,283	Tons of revenue freight carried:		
Revenue passengers carried 1 mile	3,702,454	3,480,736	Coal	56,848	57,766
Total passenger revenue	$210,995	$200,434	Miscellaneous	37,275	34,545
Average revenue per passenger per mile	$0.05699	$0.05758	Tons of revenue freight carried 1 mile	15,028,324	16,130,789
			Total freight revenue	$669,357	$677,752
			Average revenue per ton per mile	$0.04282	$0.04202

[1] Motor miles.

Source: Department of the Interior.

No. 459.—ELECTRIC RAILWAYS: SUMMARY OF OPERATIONS

NOTE.—This table does not include the electric operations of steam railway companies. 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 distinction 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. In the trackage statistics of this table, each track of a double or multiple line is counted separately. Mileage figures expressed in nearest mile

	1890	1902	1907	1912	1917	1922	1927
Number of companies	789	987	1,236	1,260	[1] 1,307	[1] 1,200	[1] 963
Miles of all track operated	8,123	22,577	34,382	41,065	44,835	43,932	40,722
Operated by:							
Electricity	1,262	21,902	34,038	40,808	44,677	43,789	40,585
Cable	488	241	62	56	45	46	43
Animal traction	5,661	259	136	58	11	4	----
Steam	711	170	105	76	41	1	17
Gasoline-engine cars	----	[2] 6	41	66	56	[3] 86	[3] 77
Gravity	----	----	----	----	6	6	----
Value of road and equipment (thousand dollars)	389,357	2,167,634	3,637,669	4,596,563	5,136,442	5,058,762	(4)
Number of employees	70,764	140,709	221,429	282,461	294,826	300,523	267,115
Number of passenger cars	32,505	60,290	70,616	76,162	79,914	77,301	70,309
Revenue passengers, including pay transfer [5] (thousands)	2,023,010	4,774,212	7,441,115	9,545,555	11,304,660	12,666,558	12,174,592
Operating revenues (thousand dollars)	90,617	247,554	418,188	567,512	709,825	1,016,719	927,774
Operating expenses (thousand dollars)	62,011	142,313	251,309	332,896	452,595	727,795	694,460
Operating ratio (per cent)	68.4	57.5	60.1	58.7	63.8	71.6	74.9

[1] Includes companies maintaining separate organizations, though leased to and controlled through stock ownership by other companies, largely in Pennsylvania. In 1907 and 1912 these companies were treated as merged and not included in the number reported.

[2] Compressed air.

[3] Includes 1.26 miles of nonelectric track in 1922, 1.20 miles in 1927.

[4] 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.

[5] Not including motor-bus passengers.

Source: Bureau of the Census, Department of Commerce.

No. 460.—ELECTRIC RAILWAYS: MILEAGE, EQUIPMENT, OUTPUT OF ELECTRICITY, TRAFFIC, EMPLOYEES, AND SALARIES AND WAGES

NOTE.—See headnote to Table 459

	All companies					Surface lines	
	1907	1912	1917	1922	1927	1922	1927
Number of operating companies	945	975	943	858	682	851	678
Miles of all track[1]	34,404	41,065	44,335	43,932	40,722	43,074	39,851
First track (length of line)	25,547	30,438	32,543	31,264	27,948	(2)	27,667
Second and other tracks	8,856	10,627	12,288	12,668	12,775	(2)	12,184
Electric track with—							
Overhead trolley	32,502	38,958	42,491	41,418	[3] 38,246	41,368	[3] 38,225
Third rail and conduit trolley	1,532	1,747	2,051	2,314	2,270	1,487	1,419
Other (electric)	26	103	137	78	[3] 95	78	[3] 95
Number of cars	83,641	94,016	102,603	99,255	93,248	91,159	84,592
Passenger	70,016	76,162	79,914	77,301	70,309	69,397	61,881
Express, freight, and mail	5,669	7,794	11,534	11,406	13,337	11,406	13,337
Service cars	7,956	10,060	11,155	10,548	9,600	10,356	9,374
Number of electric locomotives	117	277	357	404	462	404	456
Horsepower of power-plant equipment[4] [5]	2,519,823	3,661,385	4,200,192	4,119,306	2,025,821	(2)	(2)
Steam turbines	535,404	1,462,800	2,322,692	2,856,006	1,561,457	(2)	(2)
Other steam engines [6]	1,876,123	1,703,088	1,221,223	827,027	420,389	(2)	(2)
Internal-combustion engines	16,335	24,190	28,294	32,495	7,700	(2)	(2)
Water wheels and turbines	91,961	471,307	627,983	403,778	35,775	(2)	(2)
Kilowatt capacity of generators[4]	1,723,416	2,505,316	2,924,779	2,972,334	1,470,904	(2)	(2)
Electric energy (1,000 kilowatt-hours) [4]		9,020,018	12,187,851	12,405,053	9,389,597	(2)	(2)
Generated [4]	4,759,130	6,002,659	7,240,503	6,473,451	2,975,863	(2)	(2)
Purchased	(6)	3,017,359	4,947,348	5,931,602	6,413,734	(2)	(2)
Passengers carried (thousands)[7]	9,533,081	12,135,342	14,506,915	15,331,400	14,901,435	13,586,232	12,678,849
Revenue passengers, including pay transfer	7,441,115	9,545,555	11,304,661	12,666,558	12,174,592	10,923,274	9,953,708
Free-transfer passengers	1,995,658	2,425,918	3,021,138	2,496,570	2,571,249	2,662,958	2,570,937
Free passengers	96,308	165,869	181,116	168,272	155,594		154,114
Revenue car mileage (thousands)	1,617,731	1,921,620	2,139,802	2,124,523	2,163,773	1,821,177	1,786,560
Passenger	1,583,831	1,885,870	2,087,819	2,068,204	2,084,566	1,764,948	1,707,353
Express, freight, and mail	33,900	35,750	51,983	56,229	79,207	56,229	79,207
Average number of revenue passengers:							
Per mile of all track [8]	210,522	232,556	252,323	288,600	299,733	253,842	259,826
Per passenger car hour	43.06	48.38	53.69	61.14	59.68	(2)	57.06
Revenue car-hours (thousands)	151,330	190,478	203,057	201,338	202,513		178,837
Passenger	148,678	187,590	199,053	197,146	196,464		172,788
Express, freight and mail	2,661	2,888	4,004	4,692	6,049		6,049
Salaried employees:							
Number	11,700	23,271	27,151	30,239	27,845	28,867	26,374
Salaries (thousand dollars)	12,909	26,129	33,910	57,489	56,647	54,481	52,770
Wage earners:							
Number	209,729	259,190	267,675	270,284	239,270	244,277	211,315
Wages (thousand dollars)	138,082	174,762	233,331	388,191	385,305	347,203	338,022
Conductors, motormen, and bus operators:							
Number	115,518	131,321	136,184	130,628	115,720	120,717	111,220
Wages (thousand dollars)	75,705	95,452	127,222	205,238	200,963	197,131	191,476
Other wage earners—							
Number	94,211	127,869	131,491	139,656	123,550	117,560	100,095
Wages (thousand dollars)	62,377	79,311	106,109	182,953	184,341	150,072	146,546

[1] Mileage expressed in nearest mile. Figures include track lying outside the United States (1907, 28 miles; 1912, 32 miles; 1917, 1922 and 1927, 27 miles).

[2] Not shown separately.

[3] Overhead trolley includes 25 miles of surface lines operated by both overhead trolley and gas-electric motor cars.

[4] Figures for power-plant equipment, capacity of generators, and output of stations in 1927 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. These are included in the statistics for "Central Electric Light and Power Stations." The number of companies that reported power-plant equipment in 1907 was 576; in 1912, 494; in 1917, 365; in 1922, 232 and in 1927, 70.

[5] Includes 857 units of 43,344 horsepower reported as auxiliary engines in 1907 and 33 units with 41,100 horsepower of idle equipment in 1927.

[6] No data.

[7] Not including passengers carried by motor busses operated by electric railway companies (16,120,000 in 1922 and 214,694,000 in 1927).

[8] Exclusive of idle track and freight and switching roads.

Source: Bureau of the Census, Department of Commerce.

No. 461.—ELECTRIC RAILWAYS:

NOTE.—See headnote to Table 459. 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 mileage represents passenger, express, freight, and mail-car mileage

Division and State	Miles of track lying in State or division [1]					Revenue passengers carried by companies domiciled in State (thousands)			
	1907	1912	1917	1922	1927	1907	1912	1917	1922
United States	34,354	41,033	44,808	43,905	40,698	7,441,115	9,545,555	11,304,660	12,679,349
New England	4,803	5,299	5,556	5,049	3,931	875,116	1,051,162	1,242,077	1,137,108
Maine	418	530	572	566	501	36,730	47,049	55,463	50,010
New Hampshire	268	268	289	263	156	20,087	23,673	23,405	19,650
Vermont	113	121	126	117	63	7,103	8,136	8,739	6,950
Massachusetts	2,851	2,951	3,056	2,688	2,071	597,470	705,918	834,529	732,447
Rhode Island	431	435	454	403	304	91,172	94,086	113,191	143,009
Connecticut	781	993	1,080	1,011	836	122,554	172,300	206,740	185,040
Middle Atlantic	8,891	10,064	10,604	10,519	9,473	2,839,019	3,513,721	4,225,287	4,978,230
New York	3,809	4,486	4,773	4,737	4,348	1,657,687	2,126,964	2,492,325	3,090,878
New Jersey	1,320	1,309	1,368	1,342	1,093	269,099	356,858	432,875	469,819
Pennsylvania	3,762	4,270	4,462	4,440	4,032	912,233	1,029,899	1,300,087	1,420,533
East North Central	10,363	11,864	12,703	12,431	11,802	1,607,895	2,159,621	2,712,625	2,981,417
Ohio	3,671	3,999	4,236	3,974	3,486	480,844	632,332	811,913	872,164
Indiana	1,920	2,323	2,356	2,305	2,330	137,547	173,019	191,132	241,873
Illinois	2,754	3,186	3,441	3,416	3,298	703,493	932,668	1,096,804	1,128,105
Michigan	1,324	1,526	1,768	1,817	1,779	183,239	286,956	447,780	557,900
Wisconsin	676	849	901	919	909	102,772	134,646	164,996	181,375
West North Central	2,455	3,031	3,607	3,604	3,556	615,631	787,301	902,369	942,887
Minnesota	438	538	656	681	723	136,122	186,918	235,043	262,781
Iowa	641	784	1,015	999	982	61,440	93,418	103,898	95,494
Missouri	867	959	1,004	1,098	1,054	346,362	402,210	442,756	464,603
North Dakota	14	19	24	21	19	1,872	2,862	2,841	3,378
South Dakota	5	22	24	17	16	126	1,657	1,915	2,023
Nebraska	184	214	211	206	192	49,323	64,709	74,560	76,846
Kansas	306	494	582	581	570	20,386	35,527	40,456	37,742
South Atlantic	2,244	2,900	3,221	3,191	3,063	487,952	616,725	747,562	830,514
Delaware	105	99	102	96	83	15,724	18,024	26,047	20,850
Maryland	552	720	775	758	731	152,268	186,823	228,634	248,594
Dist. of Col	160	188	195	199	185	91,560	114,100	125,536	156,242
Virginia	513	561	581	554	541	77,300	91,980	112,814	116,289
West Virginia	208	330	395	422	381	42,750	52,342	76,163	91,079
North Carolina	106	190	228	216	205	14,086	21,241	26,915	29,964
South Carolina	131	228	314	301	286	15,695	17,873	25,042	20,211
Georgia	351	417	450	449	425	59,701	86,601	93,640	105,958
Florida	118	165	183	197	226	18,889	27,236	32,771	41,317
East South Central	1,075	1,291	1,457	1,477	1,378	220,887	268,785	292,004	308,021
Kentucky	402	502	516	517	489	85,859	103,512	109,105	115,594
Tennessee	292	361	447	495	507	73,747	91,896	101,825	110,369
Alabama	294	309	369	368	335	52,197	62,494	70,343	73,646
Mississippi	86	119	124	98	47	9,084	10,883	10,731	8,412
West South Central	840	1,372	1,704	1,724	1,773	193,338	270,746	313,203	382,037
Arkansas	82	114	122	120	122	17,145	24,304	26,283	29,954
Louisiana	239	285	331	305	284	85,194	94,053	105,753	123,337
Oklahoma	100	252	302	324	334	9,502	22,121	30,766	36,260
Texas	419	721	950	975	1,033	81,497	130,268	150,401	187,536
Mountain	630	1,048	1,311	1,291	1,137	113,304	154,224	162,222	148,743
Montana	69	99	121	111	109	13,862	15,351	22,197	15,255
Colorado	317	468	467	431	356	73,458	86,597	84,624	81,613
New Mexico	10	11	11	11	11	1,029	961	1,486	1,425
Arizona	31	46	53	44	37	1,902	4,554	7,433	5,474
Idaho	73	129	155	149	121	1,327	4,170	3,279	3,256
Wyoming		23	23	23			1,399	1,457	684
Nevada	7	11	12	5	5	620	750	805	480
Utah	123	260	469	517	498	21,106	40,452	40,391	40,561
Pacific	3,003	4,146	4,647	4,619	4,583	487,943	723,270	707,311	970,359
Washington	730	991	1,022	954	904	110,507	126,687	145,922	143,429
Oregon	259	549	603	612	518	49,459	75,842	67,223	71,804
California	2,013	2,605	3,022	3,053	3,131	327,977	520,741	494,166	755,126

[1] Mileage figures expressed to nearest mile, original figures to nearest hundredth.
[2] Data for Missouri and South Dakota.
[3] Figures for South Atlantic division represent District of Columbia, Georgia, and Florida.

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 companies are not included. Revenue car

Revenue passengers carried by companies domiciled in State (thousands)—Con.		Passenger revenue of companies domiciled in State (thousands of dollars)				Revenue car miles operated by companies domiciled in State (thousands)				Division and State
1927				1927				1927		
Car lines	Motor-bus lines	1913	1922	Car lines	Motor-bus lines	1913	1922	Car lines	Motor-bus lines	
12,174,592	167,781	502,852	854,663	834,601	14,578	1,921,620	2,124,523	2,163,773	65,068	U. S.
910,455	54,621	52,521	87,704	79,752	4,607	191,451	173,083	154,549	16,971	N. E.
32,499	75	2,458	4,243	3,060		11,124	11,027	9,485	174	Me.
10,807	113	1,202	1,585	924	44	4,726	4,006	2,767	71	N. H.
3,691	70	423	451	258		1,776	1,406	980	30	Vt.
604,951	45,916	35,146	58,521	55,198		125,894	105,162	96,723	13,166	Mass.
105,210	8,447	13,292	22,904	20,312	4,563	15,085	16,244	13,932	2,530	R. I.
153,297	----					32,846	35,238	30,662	----	Conn.
5,172,379	174	180,634	297,560	308,687	17	663,589	710,550	755,120	55	M. A.
3,407,410	162	110,700	168,451	186,692	16	411,008	442,114	496,910	51	N. Y.
406,444	12	17,616	30,863	21,743	1	60,994	69,214	52,179	4	N. J.
1,358,525	----	52,318	98,246	100,252	----	191,587	199,222	206,031	----	Pa.
2,888,084	55,906	118,128	213,365	211,622	5,061	474,239	546,337	571,510	22,663	E. N. C.
726,069	24,552	32,672	55,359	50,309	1,989	137,548	141,247	136,400	7,081	Ohio.
201,070	7,580	12,796	20,286	18,579	513	47,879	58,552	63,782	4,043	Ind.
1,257,594	10,282	49,815	93,817	100,278	1,007	201,027	230,127	250,985	4,310	Ill.
521,774	1,920	15,877	31,473	29,186	196	61,189	83,571	78,929	1,316	Mich.
179,577	11,572	6,968	12,430	13,270	1,356	26,596	32,840	35,414	5,933	Wis.
758,333	3,399	40,854	66,880	56,599	394	152,347	174,012	159,097	2,303	W. N. C.
207,476	----	9,420	15,850	14,379	----	32,793	36,066	35,546	----	Minn.
66,883	1,675	5,259	7,850	5,968	175	22,122	29,152	23,892	783	Iowa.
407,210	407	20,216	34,137	30,106		72,573	80,738	76,702	180	Mo.
2,893	----	222	342	382	167	661	926	951	----	N. Dak.
736	510					474	579	368	879	S. Dak.
51,890	132	3,277	4,930	3,695	12	12,613	13,980	11,291	65	Nebr.
21,246	675	2,460	3,771	2,069	40	11,111	12,571	10,347	396	Kans.
743,305	9,401	30,921	58,863	54,733	[3] 749	124,591	153,154	151,263	3,812	S. A.
18,961	----				----	3,967	3,883	3,649	----	Del.
227,918	----	15,480	30,995	29,164	----	34,439	42,401	40,387	----	Md.
136,888	7,459				[2]	18,558	21,037	20,082	2,775	D. C.
100,751	----	4,532	7,540	6,979	----	19,903	24,312	24,632	----	Va.
71,163	----	3,034	6,570	5,761	----	11,707	15,238	15,504	----	W. Va.
25,443	----	1,177	2,068	1,708	----	5,998	6,887	6,595	----	N. C.
10,255	----	929	1,755	751	----	4,658	7,719	7,399	----	S. C.
98,564	265	4,395	7,521	6,991	[2]	19,217	22,619	21,429	150	Ga.
53,362	1,677	1,374	2,414	3,379	[2]	6,144	9,058	11,586	887	Fla.
311,351	----	13,868	20,840	20,541	----	58,056	58,389	59,504	----	E. S. C.
117,894	----	5,592	7,643	7,764	----	22,274	20,372	21,480	----	Ky.
103,984	----	4,664	7,735	7,252	----	18,936	19,122	20,635	----	Tenn.
85,463	----	3,004	4,812	5,270	----	13,313	15,820	15,910	----	Ala.
4,010	----	608	650	255	----	3,533	3,075	1,479	----	Miss.
352,541	14,305	14,790	29,529	27,562	1,094	61,617	80,091	82,050	5,215	W. S. C.
25,887	28	1,183	1,781	1,530	3	5,594	5,735	6,371	26	Ark.
123,491	3,683	4,725	9,388	8,554	265	21,812	20,429	18,239	1,123	La.
23,808	4,178	1,254	3,127	2,443	301	6,143	9,356	9,017	1,416	Okla.
179,355	6,416	7,628	15,233	15,035	525	28,068	44,571	48,423	2,650	Tex.
118,004	1,283	8,061	11,459	9,072	136	30,150	32,739	32,187	723	Mt.
14,108	----	800	951	859	----	2,901	2,979	3,090	----	Mont.
64,865	591	4,521	6,222	4,898	[4]	17,202	15,746	15,152	259	Colo.
516	----	282	382			309	410	334	----	N. Mex.
5,432	----					1,019	981	1,096	----	Ariz.
837	----	451	388	447	----	1,420	1,323	770	----	Idaho.
----	----					381	253	----	----	Wyo.
351	----	2,007	3,516	2,868	----	270	108	80	----	Nev.
31,895	692				[4] 136	6,648	10,939	11,665	464	Utah.
922,140	28,692	42,875	68,463	66,033	2,520	165,580	196,168	198,493	14,806	Pac.
118,303	5,570	7,283	12,273	10,587	972	29,517	35,209	32,273	3,953	Wash.
60,471	2,052	4,578	6,285	5,147		19,509	21,341	20,192	1,313	Oreg.
743,366	20,470	31,014	49,905	50,299	1,548	116,554	138,528	146,028	9,040	Calif.

[4] Data for Colorado included with Utah.

Source: Bureau of the Census, Department of Commerce.

No. 462.—ELECTRIC RAILWAYS: MILEAGE AND CARS AND BUSSES OPERATED

NOTE.—This table includes mileage and equipment of city, interurban, and electrified steam railroads in continental United States. Steam locomotives and cars owned by electric railways and used primarily for steam service are omitted. All data beginning 1924 and data for busses in 1923 are about December; all other data are about July. Mileage figures expressed in nearest mile

Year, division, and State	Companies operating	Miles of all track	Passenger cars		Freight cars		Service cars	Other cars	Electric locomotives	Busses operated by electric railways	
			Motor	Trailer	Motor	Trailer				Number	Mileage
1920	831	47,705	77,722	6,027	1,215	7,441	5,723	6,809	751	(1)	(1)
1921	838	47,555	77,921	6,142	1,324	7,712	7,005	4,754	760	129	(1)
1922	827	47,150	75,442	7,624	1,375	7,903	8,761	2,795	772	300	(1)
1923	821	47,283	75,249	7,423	1,712	8,442	8,971	2,435	814	1,173	(1)
1924	769	46,837	75,678	6,768	1,790	9,016	9,092	2,491	799	2,394	(1)
1925	759	46,750	74,898	6,737	1,760	9,138	9,004	2,370	809	5,207	(1)
1926	734	46,624	73,694	7,050	1,900	9,850	8,731	2,600	870	7,505	15,300
1927	703	46,149	72,030	7,355	2,265	10,500	8,474	2,950	910	8,864	17,500
1928	[2] 656	45,272	69,963	7,660	2,488	11,037	8,208	3,286	948	10,719	22,032
1929	[2] 671	42,431	67,035	7,001	1,857	11,342	8,749	3,325	946	11,854	23,886
1930	661	40,961	65,127	6,878	1,478	10,900	8,478	[3] 3,000	994	12,790	24,745
New England	62	3,744	5,949	400	102	91	1,212	-------	169	1,359	2,279
Maine	11	414	312	8	22	69	62	-------	7	5	25
New Hampshire	11	128	176	-------	-------	1	30	-------	4	36	91
Vermont	4	20	7	-------	2	1	3	-------	3	24	32
Massachusetts	25	1,766	3,660	259	19	12	716	-------	6	859	1,312
Rhode Island	3	279	497	22	11	-------	95	-------	3	180	195
Connecticut	8	1,137	1,297	111	48	8	306	-------	146	255	624
Middle Atlantic	159	10,167	24,769	3,168	290	186	2,617	-------	224	4,518	6,392
New York	69	4,900	15,935	2,072	182	90	1,452	-------	209	904	909
New Jersey	14	1,245	2,034	241	5	-------	259	-------	-------	2,556	3,025
Pennsylvania	76	4,022	6,800	255	103	96	906	-------	15	1,058	2,368
East North Central	154	10,445	14,583	1,949	688	3,749	2,071	-------	183	3,199	7,925
Ohio	51	3,164	3,439	569	172	486	685	-------	47	932	1,855
Indiana	22	2,232	1,612	85	383	519	448	-------	27	437	1,155
Illinois	47	3,240	6,253	947	77	2,517	762	-------	77	476	1,336
Michigan	19	1,071	2,075	295	33	207	235	-------	25	1,028	1,542
Wisconsin	15	738	1,204	53	23	20	41	-------	7	326	2,037
West North Central	66	3,895	4,853	290	45	1,057	747	-------	62	715	2,119
Minnesota	8	696	1,199	26	1	-------	114	-------	2	123	460
Iowa	23	928	624	34	13	1,003	191	-------	39	216	1,232
Missouri	13	1,140	2,328	186	14	22	334	-------	5	189	267
North Dakota	3	23	41	1	-------	-------	9	-------	-------	6	7
South Dakota	1	-------	-------	-------	-------	-------	-------	-------	-------	18	21
Nebraska	4	184	420	20	1	1	66	-------	2	49	42
Kansas	14	424	241	23	16	31	33	-------	14	114	90
South Atlantic	80	3,394	4,514	279	81	308	500	-------	79	906	3,221
Delaware	1	70	101	-------	-------	-------	13	-------	-------	24	71
Maryland	5	668	1,406	103	28	114	135	-------	15	229	1,977
Dist. of Columbia	5	380	849	20	2	11	106	-------	6	167	232
Virginia	13	675	634	61	10	7	78	-------	16	249	168
West Virginia	10	623	343	-------	25	15	48	-------	23	80	551
North Carolina	8	312	185	10	4	159	40	-------	17	67	48
South Carolina	4	60	74	2	3	-------	9	-------	-------	8	30
Georgia	8	402	560	21	7	-------	55	-------	2	82	76
Florida	6	204	362	2	2	2	16	-------	-------	90	68
East South Central	32	1,265	1,723	184	32	7	229	-------	5	428	337
Kentucky	7	464	690	71	17	6	95	-------	-------	302	88
Tennessee	9	434	605	53	2	1	71	-------	3	51	130
Alabama	9	325	382	60	3	-------	60	-------	2	19	26
Mississippi	7	42	46	-------	-------	-------	3	-------	-------	56	93
West South Central	47	1,718	2,508	97	44	66	262	-------	24	619	705
Arkansas	7	117	229	10	2	-------	17	-------	-------	22	17
Louisiana	8	250	760	45	2	-------	75	-------	-------	99	75
Oklahoma	10	363	271	3	12	50	34	-------	19	157	185
Texas	22	988	1,246	39	28	16	136	-------	5	341	428
Mountain[4]	29	1,671	722	184	41	1,994	172	-------	73	123	257
Montana	8	845	106	14	35	1,430	31	-------	50	5	4
Idaho	1	-------	-------	-------	-------	-------	-------	-------	-------	11	17
Wyoming	1	-------	-------	-------	-------	-------	-------	-------	-------	9	28
Colorado	9	336	365	120	2	220	84	-------	9	60	100
Arizona	3	24	33	-------	-------	-------	3	-------	-------	17	27
Utah	7	468	219	50	4	344	54	-------	14	21	81
Pacific	52	5,163	5,508	327	163	3,442	868	-------	175	833	1,511
Washington	18	1,269	919	64	93	192	89	-------	44	207	370
Oregon	5	520	608	70	4	470	113	-------	27	51	40
California	29	3,374	3,981	193	66	2,780	466	-------	104	575	601

[1] No report. [2] Includes companies operating busses only (56 in 1928 and 54 in 1929).
[3] Not reported by States. [4] No data for New Mexico and Nevada.
Source: Electric Railway Journal.

No. 463.—ELECTRIC RAILWAYS: INCOME ACCOUNT OF OPERATING COMPANIES

NOTE.—See headnote to Table 459

[All figures except percentages in thousands of dollars]

	All companies					Surface lines		Motor-bus lines, 1927
	1907	1912	1917	1922	1927	1922	1927	
Gross operating revenue	418,188	567,511	709,825	1,016,719	[1] 927,774	910,857	798,754	68,121
Railway operations	400,896	535,996	650,150	925,477	918,869		789,849	67,253
Passenger	332,132	502,652	603,130	854,663	834,601	757,736	713,288	
Baggage, express, and milk	1,561	3,688	4,966	5,285	4,271		4,271	
Freight	5,231	10,165	18,546	31,500	39,125	153,121	39,125	868
Other railway operations	11,972	19,491	23,508	33,969	40,872		33,165	
Auxiliary operations	17,202	31,515	59,675	91,242	[1] 8,905		8,905	
Operating expenses (total)	251,309	332,896	452,595	727,795	694,460	660,135	616,258	66,002
Railway operating expenses	245,140	318,700	421,251	678,563	686,638	612,099	608,436	65,771
Way and structures	28,521	44,270	55,470	102,008	96,285	94,126	85,807	23,717
Equipment	31,486	38,717	48,982	87,236	92,865	77,500	79,249	
Power	43,972	53,599	76,958	107,246	98,602	92,790	84,508	
Conducting transportation	[2] 97,123	[2] 129,205	174,073	286,690	294,322	256,957	262,415	42,054
All other	44,038	52,909	64,868	95,383	104,564	90,726	96,457	
Auxiliary operations	6,169	14,196	31,344	49,232	[1] 7,822	48,036	7,822	231
Ratio of expenses to revenue (per cent)	60.1	58.7	63.8	71.6	74.9	72.5	77.2	
Net operating revenue	166,879	234,615	257,230	288,924	[1] 233,313	250,732	182,496	2,119
Taxes	19,756	35,028	45,756	64,788	57,808	58,347	49,594	2,880
Operating income	147,123	199,587	211,474	224,136	175,505	192,375	132,902	[3] 761

[1] 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 which are included in statistics for "Central Electric Light and Power Stations."

[2] Includes superintendence of power. [3] Deficit.

Source: Bureau of the Census, Department of Commerce.

No. 464.—RECEIVERSHIPS OF ELECTRIC RAILWAYS

Year	Placed under receivership				Sold under foreclosure				Receivers' certificates
	Number of companies	Miles of track	Outstanding securities		Number of companies	Miles of track	Outstanding securities		
			Stock	Bonds			Stock	Bonds	
			Dollars	*Dollars*			*Dollars*	*Dollars*	*Dollars*
1909	22	558	29,962,200	22,325,000	21	488	22,265,700	21,174,000	[1]
1910	11	697	12,629,400	75,490,735	22	724	19,106,613	26,374,075	[1]
1911	19	519	29,533,450	38,973,293	25	661	91,354,800	115,092,750	[1]
1912	26	374	20,410,700	11,133,800	18	267	14,197,300	10,685,250	[1]
1913	18	343	31,006,900	47,272,200	17	302	15,243,700	19,094,500	[1]
1914	10	362	35,562,550	19,050,460	11	181	26,239,700	44,004,241	[1]
1915	27	1,152	40,298,050	39,372,375	19	308	30,508,317	16,759,907	[1]
1916	15	359	14,476,600	10,849,200	19	430	13,895,400	22,702,300	[1]
1917	21	1,177	33,918,725	33,778,400	26	745	27,281,900	27,313,045	[1]
1918	29	2,018	92,130,388	163,257,102	23	524	37,740,325	20,149,384	[1]
1919	48	3,781	321,259,354	312,915,104	29	2,675	89,893,400	79,836,738	42,300
1920	19	1,065	28,768,455	72,283,575	13	260	7,782,400	11,227,328	52,000
1921	19	986	32,009,525	36,177,800	13	778	33,642,255	30,363,526	5,000
1922	14	695	18,140,150	20,304,400	13	323	7,491,500	12,640,600	114,683
1923	12	334	8,332,100	14,707,066	15	927	118,077,959	110,338,250	12,265,000
1924	12	1,022	28,489,700	35,716,000	14	869	21,022,800	34,845,535	3,440,388
1925	14	1,260	51,383,195	54,696,525	13	569	18,074,300	18,329,555	53,000
1926	16	1,228	17,769,435	117,560,073	28	1,291	20,054,700	57,340,363	214,000
1927	13	624	17,615,050	20,875,450	16	941	53,345,000	78,445,100	3,140,000
1928	8	262	9,216,700	14,790,700	8	1,004	26,084,325	40,683,400	168,150
1929	5	426	39,035,000	35,138,400	10	510	18,472,995	21,173,700	285,359
1930	12	1,431	85,358,800	108,372,110	8	1,055	36,254,965	44,564,000	

[1] Data not available.

Source: Annual Statistical Number, Electric Railway Journal

No. 465.—ELECTRIC RAILWAYS: Comparative Statistics of Subway and Elevated Lines [1]

	1907	1912	1917	1922	1927
Number of companies	6	7	7	7	[2] 4
Miles of track [3]	420.4	517.8	666.1	857.9	870.9
Number of cars	4,453	5,706	6,801	8,096	8,054
Passengers carried (thousands)	640,705	1,004,823	1,274,652	1,745,167	2,222,586
Revenue passengers, including pay transfer	635,653	991,062	1,262,500	1,743,284	2,220,794
Revenue car mileage (thousands)	143,634	219,467	247,199	343,346	377,213
Average number of revenue passengers:					
Per mile of all track [4]	1,514,866	1,913,950	2,112,349	2,229,719	2,858,422
Per passenger car hour	(5)	(5)	(5)	90.86	93.80
Salaried employees:					
Number	362	907	1,037	1,372	1,471
Salaries	$569,317	$1,397,808	$2,647,001	$3,008,067	$3,877,475
Wage earners:					
Number	12,501	19,008	26,835	26,007	27,955
Wages	$8,588,493	$13,866,813	$22,092,046	$40,937,936	$47,282,821

[1] Exclusive of the mixed elevated, subway, and surface systems of Boston and Philadelphia which are included in the surface group.
[2] Prior to 1927 four companies in Illinois were consolidated forming the Chicago Rapid Transit Co.
[3] Includes a minor amount of surface trackage.
[4] Average for 1917, 1922, and 1927 based upon running track exclusive of idle track and freight and switching roads; for 1907 and 1912, upon all track exclusive of idle track and freight and switching roads.
[5] No data.

Source: Bureau of the Census, Department of Commerce.

No. 466.—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	1907	1912	1917	1922	1927	Class of trackage and State	1907	1912	1917	1922	1927
Elevated, total	362.4	417.8	497.3	601.7	634.2	Subways and tunnels, total	74.8	112.7	218.8	325.6	342.4
New York	200.4	230.8	297.0	362.8	373.0	New York [2]	60.4	70.5	162.4	269.1	281.7
Illinois	125.8	141.9	146.9	163.9	178.7	Massachusetts	7.8	18.5	25.2	27.0	29.4
Pennsylvania	7.7	9.9	16.7	32.4	32.2	New Jersey [3]	------	11.7	12.6	12.6	12.6
Massachusetts	16.7	26.6	26.2	30.1	35.6	Pennsylvania	5.6	8.4	9.0	8.0	9.2
New Jersey	[1] 7.2	4.3	4.4	4.3	4.3	California	------	.3	5.4	5.4	5.9
Missouri	3.2	2.9	3.0	2.9	------	Illinois	.6	1.9	1.9	1.8	1.8
Washington	------	------	------	2.7	7.8	All other States [4]	.4	1.4	2.3	1.7	1.8
Maryland	1.4	1.4	1.4	1.4	1.4						
California	------	------	1.2	1.2	1.2						
Kansas	------	------	.5	------	------						

[1] Includes 3.06 miles of Camden and Atlantic branch of West Jersey & Seashore Railroad Co., tabulated as an electrified division of a steam road in subsequent years.
[2] Excludes 11.68 miles operated in New Jersey.
[3] Includes 11.68 miles owned by a New York company.
[4] Minnesota, Missouri, Rhode Island, and Washington, 1927; Rhode Island, Minnesota, and Missouri, 1922; Connecticut, Minnesota, Missouri, Rhode Island, West Virginia, and Wisconsin, 1917; Kansas, Missouri, Oregon, and Tennessee, 1912; Missouri, 1907.

Source: Bureau of the Census, Department of Commerce.

No. 467.—ELECTRIC RAILWAYS: FINANCES OF ELEVATED AND SUBWAY LINES

NOTE.—All figures in thousand 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
Income from all sources	34,258	55,246	70,213	108,483	132,135
Operating revenues	33,874	52,239	68,537	105,862	129,020
Operating expenses	15,129	23,613	31,669	67,660	78,202
Net operating revenue	18,745	28,626	36,868	38,202	50,818
Taxes of operating companies	1,986	3,501	5,136	6,441	8,215
Operating income	16,759	25,125	31,732	31,761	42,603
Miscellaneous income	384	3,008	1,676	2,621	3,115
Gross income	17,143	28,133	33,408	34,382	45,718
Deductions from gross income	11,473	18,002	21,347	34,856	33,907
Interest	3,701	9,654	10,442	10,225	23,270
Miscellaneous	7,772	9,248	10,905	15,631	10,637
Net income	5,670	9,231	12,061	[1] 474	11,811
Dividends	4,009	8,530	10,087	----------	6,250
Surplus	1,661	701	1,974	[1] 474	5,561

[1] Deficit.

No. 468.—MOTOR-BUS LINES OPERATED DIRECTLY BY ELECTRIC RAILWAYS AND SUBSIDIARY COMPANIES: SUMMARY, 1927

	Total	Operated by—	
		Electric railway companies	Subsidiary companies
Number of companies	301	98	203
Number of routes operated	1,583	482	1,101
Miles of route (round trip)	29,266.98	7,072.92	22,194.06
Miles of street or highway served (one way)	14,298.72	3,312.76	10,985.96
Number of busses, total	8,277	2,064	6,213
Owned	7,818	1,885	5,933
Rented	459	179	280
Single-deck	7,745	1,976	5,769
Owned	7,303	1,797	5,506
Rented	442	179	263
Double-deck	532	88	444
Owned	515	88	427
Rented	17	----------	17
Number of busses in operation	7,681	1,901	5,780
Average number of busses operated in scheduled service during year	6,238	1,585	4,653
Number of passengers carried (thousands)	875,402	214,694	660,708
Revenue passengers	771,806	163,199	608,608
Pay-transfer passengers	12,453	4,583	7,871
Free-transfer passengers	85,235	45,067	39,568
Free passengers	5,907	1,246	4,661
Number of bus miles (thousands)	272,518	66,905	206,613
Revenue miles	270,483	65,068	205,415
Nonrevenue miles	2,035	837	1,198
Number of bus hours (thousands)	24,927	5,716	19,210
Revenue hours	24,571	5,632	18,939
Nonrevenue hours	356	84	271
Number killed or died from injuries	108	15	93
Number injured but not killed	10,082	3,151	6,931
INCOME STATISTICS (thousands of dollars)			
Operating revenues	68,121	15,135	52,986
Transportation revenues	67,253	15,004	52,248
Miscellaneous	868	131	738
Operating expenses	65,771	15,272	50,500
Maintenance of plant and equipment	23,717	5,398	18,319
Operation	36,056	8,554	27,502
General expense including traffic promotion	5,998	1,320	4,678
Net operating revenue, motor-bus lines	2,349	[1] 137	2,486
Net revenue from auxiliary operations	[1] 231	----------	[1] 231
Total net revenues, motor-bus and auxiliary	2,119	[1] 137	2,255
Taxes	2,880	584	2,295
Operating income, motor-bus and auxiliary	[1] 761	[1] 721	[1] 40
Nonoperating income	295	32	264
Gross income	[1] 466	[1] 690	224
Deductions from gross income	1,707	198	1,509
Net income	[1] 2,173	[1] 888	[1] 1,285
Number of employees	16,633	3,619	13,014
Salaried employees	2,333	265	2,068
Wage earners	14,300	3,354	10,946
Salaries and wages (thousands of dollars)	27,564	6,119	21,445
Salaries	3,340	657	2,683
Wages	24,224	5,462	18,762

[1] Deficit.

Source of Tables 467 and 468: Bureau of the Census, 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 Porto Rico; 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. 469.—CARGO TONNAGE OF WATER-BORNE COMMERCE OF THE UNITED STATES

[In thousands of short tons of 2,000 pounds]

	1924	1925	1926	1927	1928	1929
Foreign commerce, total	101,562	108,547	131,293	120,523	126,768	127,510
Imports, through seaports	36,425	42,792	44,834	43,388	46,690	51,591
Exports, through seaports	49,008	49,251	60,859	56,550	56,151	55,761
Imports, Great Lakes ports	4,962	7,317	6,424	8,098	8,548	6,385
Exports, Great Lakes ports	11,167	9,187	10,176	12,487	15,379	13,773
Domestic commerce, unadjusted total	384,454	443,022	470,208	473,118	482,232	527,535
Coastwise, between ports	88,554	105,090	108,023	121,036	119,254	124,909
Great Lakes, between ports	93,188	111,568	116,486	113,917	119,301	135,838
Local traffic of seaports and Great Lakes ports[1]	77,270	64,981	89,168	78,162	77,925	91,892
Traffic between seaports and river points	32,315	47,214	34,510	38,191	37,672	39,632
Traffic on rivers, canals, and connecting channels [2]	[3] 93,127	114,169	122,021	121,812	128,080	135,174
Foreign and domestic, unadjusted total	486,015	551,568	601,501	593,641	609,000	655,045
Deduction of duplications:						
Traffic between seaports and river points	32,315	47,214	34,510	38,191	37,672	39,632
Other duplications (canals, etc.)[4]	(5)	20,954	26,491	22,950	32,128	31,613
Net total, foreign and domestic	453,700	483,400	540,500	532,500	539,200	583,800
Approximate net total, domestic [6]	352,139	374,354	409,207	411,977	412,432	458,290

[1] Includes the following, with figures for 1929: Harbor traffic of New York, Philadelphia, and San Francisco (55,383,000 tons); local traffic of other seaports (31,161,000); local traffic of lake ports (5,348,000).

[2] Excluding Sault Ste. Marie Canal traffic (92,622,000 tons in 1929) and additional Detroit River traffic (18,098,000 tons in 1929), both of which are already counted in Great Lakes traffic; also excluding duplications relating to rivers and canals themselves.

[3] Not comparable with later years; see note 5.

[4] Principally coastwise and lake traffic passing through canals and connecting channels, other than the Sault Ste. Marie Canal and the Detroit River.

[5] Not available; the figures were for the most part deducted from river and canal traffic.

[6] 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. 470.—COMMERCE OF PRINCIPAL UNITED STATES OCEAN PORTS, 1929

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	Imports	Exports	Coastwise	
			Receipts	Shipments
Grand total	**51,591**	**55,761**	**127,778**	**122,221**
Atlantic ports	**40,402**	**19,372**	**81,161**	**50,858**
Searsport, Me.	8	4	404	1
Portland, Me.	697	110	2,158	193
Portsmouth, N. H.	55	-------	281	11
Boston Harbor, Mass.	3,261	303	12,743	1,712
Beverly, Mass.	612	-------	535	103
Salem, Mass.	29	-------	467	-------
Lynn, Mass.	11	-------	345	-------
New Bedford and Fairhaven, Mass.	(1)	(1)	805	98
Fall River, Mass.	809	-------	769	595
Newport, R. I.	-------	-------	108	8
Providence, R. I.	645	(1)	4,122	541
New London, Conn.	32	-------	577	130
New Haven, Conn.	25	-------	1,993	312
Bridgeport, Conn.	12	-------	1,029	107
Stamford, Conn.	-------	-------	424	27
Greenwich, Conn.	-------	-------	168	15
New York Harbor, N. Y.	19,360	11,139	31,773	10,889
Hempstead, N. Y.	-------	(1)	168	6,210
Huntington Bay, N. Y.	-------	-------	27	1,335
Port Jefferson, N. Y.	-------	-------	12	2,699
Philadelphia, Pa.[2]	5,870	2,261	10,163	4,246
Baltimore, Md.	6,186	1,532	3,899	1,545
Hampton Roads, Va.	854	2,474	1,422	17,806
Wilmington, N. C.	250	25	630	52
Charleston Harbor, S. C.[3]	558	204	1,213	253
Savannah, Ga.	528	389	982	383
Brunswick, Ga.	173	169	341	298
Fernandina, Fla.	-------	203	-------	5
Jacksonville, Fla.	405	233	1,234	556
Miami, Fla.	98	14	301	102
Key West, Fla.	157	266	112	1
San Juan, P. R.	136	22	501	146
Gulf ports	**7,040**	**18,471**	**7,145**	**34,934**
Charlotte, Fla.	-------	113	5	303
Tampa, Fla.	142	1,236	979	1,213
Gulf ports—Con.				
Pensacola, Fla.	161	381	334	44
Mobile, Ala.	415	967	627	963
Gulfport, Miss.	49	313	115	2
New Orleans, La.	4,455	4,979	1,984	1,727
Baton Rouge, La.	397	1,452	69	2,379
Galveston, Tex.	364	2,129	916	1,670
Texas City, Tex.	79	153	4	2,221
Houston, Tex.	394	4,195	1,268	6,023
Freeport, Tex.	-------	296	26	264
Sabine, Tex.	-------	45	-------	322
Port Arthur, Tex.	355	1,099	418	7,087
Beaumont, Tex.	205	330	80	10,403
Corpus Cristi, Tex.	8	186	27	18
Pacific ports	**4,149**	**17,918**	**39,471**	**36,428**
San Diego, Calif.	41	11	877	29
Los Angeles, Calif.	728	7,886	5,354	14,938
San Luis Obispo, Calif.	-------	272	35	671
San Francisco Bay, Calif.	1,430	4,012	19,078	6,871
Monterey, Calif.	-------	-------	188	40
Humboldt, Calif.	-------	107	217	206
Long Beach, Calif.	102	345	493	1,572
Coos Bay, Oreg.	-------	134	32	332
Portland, Oreg.	137	1,500	2,050	1,004
Other ports on Columbia and Willamette Rivers	1	466	181	404
Long View, Wash.	3	95	89	230
Grays Harbor, Wash.	2	818	180	1,192
Port Gamble, Wash.	-------	29	1	165
Olympia, Wash.	7	228	43	781
Tacoma, Wash.	446	858	1,422	1,488
Seattle, Wash.	475	663	4,880	1,945
Everett, Wash.	143	230	973	818
Anacortes, Wash.	203	37	30	118
Bellingham, Wash.	46	74	140	704
Port Angeles, Wash.	177	40	137	213
Port Ludlow, Wash.	-------	26	1	135
Honolulu, Hawaii	108	11	1,055	802
Kahului, Hawaii	5	-------	173	221
Hilo, Hawaii	23	(1)	161	261

[1] Less than 500 tons. [2] Including Delaware and Schuylkill Rivers, Pa. [3] Including Ashley River.

Source: Annual Report of the Chief of Engineers, United States Army.

No. 471.—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			
	1926	1927	1928	1929	1926	1927	1928	1929
Total	**122,188**	**120,557**	**138,325**	**141,182**	**127,384**	**127,862**	**134,204**	**150,653**
Agate Bay, Minn.	250	191	174	184	7,027	6,413	6,432	7,416
Alpena, Mich.	229	249	247	289	1,372	1,313	1,578	1,623
Ashland, Wis.	760	833	734	856	7,998	7,089	7,250	8,535
Ashtabula, Ohio	10,376	7,954	7,100	8,938	2,068	3,049	4,213	3,435
Buffalo, N. Y.:								
By lake	13,313	14,793	16,213	15,277	3,693	3,069	3,335	2,689
By canal	393	384	-------	-------	998	926	-------	-------

No. 471.—Great Lakes, Commerce of the Principal Ports—Continued

Port	Receipts				Shipments			
	1926	1927	1928	1929	1926	1927	1928	1929
Calcite, Mich	67	112	138	125	9,041	10,345	11,137	10,694
Charlotte, N.Y. (Rochester)	105	154	174	150	973	862	1,319	1,458
Chicago, Ill.[1]	10,906	11,551	14,542	14,920	1,892	1,875	1,308	1,417
Cleveland, Ohio	11,093	10,730	11,905	14,059	761	1,204	1,383	2,026
Conneaut, Ohio	10,656	8,944	9,283	9,572	2,144	772	1,845	2,874
Detroit, Mich	4,042	2,424	3,310	4,628	279	422	676	787
Duluth-Superior	11,780	13,816	11,733	12,130	41,915	38,896	41,471	48,256
Erie, Pa	1,685	1,791	1,310	2,201	1,198	921	874	963
Escanaba, Mich	578	201	196	185	7,093	6,584	6,111	7,116
Fairport, Ohio	3,495	3,276	3,524	3,737	697	1,567	2,132	1,575
Frankfort, Mich	898	897	874	925	732	670	777	851
Gary, Ind	5,967	5,393	7,216	8,728	----	4	16	102
Grand Haven, Mich	417	518	627	539	516	720	742	715
Green Bay, Wis	1,271	1,417	1,348	1,474	266	286	278	311
Huron, Ohio	1,358	1,324	1,140	1,315	612	247	754	781
Indiana Harbor, Ind	4,046	4,596	5,049	6,189	798	929	1,091	1,302
Kewaunee, Wis	175	124	227	302	212	209	254	269
Keweenaw Waterway, Mich	809	957	703	825	68	65	70	40
Lorain, Ohio	4,731	4,511	4,421	4,894	2,104	2,756	2,163	2,328
Ludington, Mich	985	965	1,075	1,038	1,449	1,447	1,507	1,634
Manistique, Mich	83	85	81	109	183	184	168	150
Manitowoc, Wis	1,422	1,422	1,490	1,553	734	846	830	797
Marquette Harbor, Mich	241	207	207	180	1,018	926	852	981
Marquette Bay, Mich	----	----	----	----	2,820	2,720	2,979	4,016
Menominee, Mich. and Wis	527	514	534	568	235	240	247	254
Milwaukee, Wis	6,111	6,512	6,197	6,698	1,426	1,721	1,787	1,866
Muskegon, Mich	310	402	486	523	30	30	153	449
Ogdensburg, N. Y	643	1,492	563	529	733	45	895	687
Rockport, Mich	26	15	16	17	1,847	1,760	1,986	1,700
Rouge River, Mich	3,163	3,069	4,478	5,725	36	72	117	187
Sandusky, Ohio	158	124	105	63	6,934	7,985	7,145	9,710
Sault Ste. Marie, Mich.[2]	764	808	834	821	----	----	4	2
Sheboygan, Wis	458	464	438	431	11	12	10	10
Sturgeon Bay, Wis	19	25	23	25	381	370	473	1,038
Toledo, Ohio	2,278	1,767	2,745	3,538	14,202	16,799	15,795	16,179
Tonawanda, N. Y.[3]	453	486	317	407	----	16	2	79
Wyandotte, Mich	1,159	874	1,477	1,759	----	----	11	26
All other	2,485	4,187	4,471	4,694	1,104	1,496	1,959	2,627

[1] Includes Chicago Harbor, Chicago River and Calumet Harbor.

[2] Port of.

[3] By lake and Niagara River.

Source: Annual Reports of the Chief of Engineers, United States Army.

No. 472.—COMMERCE ON THE PRINCIPAL RIVERS, CANALS, AND CONNECTING CHANNELS OF THE UNITED STATES, 1929

Note.—There is much duplication as between different rivers, canals, and channels, and between those different sections of a single river which are separately reported

[In thousands of short tons of 2,000 pounds]

River, canal, or channel	Total	Rafted and floated timber[1]	River, canal, or channel	Total	Rafted and floated timber[1]
ATLANTIC COAST			ATLANTIC COAST—continued		
Penobscot, Me	666	----	Rappahannock River, Va	[2] 178	----
Kennebec River, Me	224	----	Mattaponi River, Va	91	----
Herring River, Mass	681	----	Pamunkey River, Va	169	----
Pawtucket River, R. I	494	----	York River, Va	[2] 120	----
Thames River, Conn	361	----	James River, Va	1,106	4
Connecticut River (below Hartford)	682	----	Nansemond River, Va	243	3
Housatonic River, Conn	129	----	Roanoke River, N. C	135	42
Hudson River, N. Y:			Pamlico and Tar Rivers, N. C	229	80
Middle section	[2] 6,724	----	Neuse River, N. C	249	60
Upper section	[2] 1,329	----	Cape Fear River, N. C. (above Wilmington)	135	34
Cooper River, N. J	251	----	Waccamaw River, N. C. and S. C	77	8
Maurice River, N. J	271	----	Wando River, S. C	190	134
Delaware River, Philadelphia, Pa., to Trenton	[2] 5,344	----	Altamaha River, Ga	85	20
Potomac River (below Washington, D. C.)	2,604	----	St. Johns River, Fla.:		
			Jacksonville to Palatka	292	6
			Palatka to Lake Harney	270	4

[1] Included in the total.

[2] Excludes car ferry, general ferry, and cargoes in transit.

No. 472.—Commerce on the Principal Rivers, Canals, and Connecting Channels of the United States, 1929—Continued

River, canal, or channel	Total	Rafted and floated timber[1]
GULF COAST		
Appalachicola River, cut-off, Lee Slough, and Lower Chipola River, Fla	165	48
Alabama River, Ala	358	148
Black Warrior, Warrior, and Tombigbee Rivers, Ala	1,939	253
Pascagoula River, Miss	63	58
Mobile River, Ala., tributaries	1,350	281
Atchafalaya River, Morgan City to Gulf of Mexico	538	1
Lake Ponchartrain, La	959	----
Calcasieu River and Pass, La	1,033	----
MISSISSIPPI RIVER AND TRIBUTARIES		
Ouachita and Black Rivers, Ark. and La	430	4
Arkansas River, Ark. and Okla	235	43
White River, Ark	174	24
St. Francis and L'Anguille Rivers and Blackfish Bayou, Ark	185	174
Mississippi River:		
Between Minneapolis and Cairo Rivers	[2] 1,390	1
Between Cairo and Memphis	[2] 2,328	130
Between Memphis and Vicksburg	[2] 2,835	119
Between Vicksburg and New Orleans	[2] 7,727	58
Missouri River:		
Mouth to Kansas City	[2] 1,158	98
Kansas City to Sioux City	209	4
Cumberland River, Tenn. and Ky. (below Nashville)	315	18
Cumberland River, Tenn. and Ky. (above Nashville)	256	26
Tennessee River	2,186	23
Monongahela River, Pa. and W. Va	[2] 28,908	----
Allegheny River, Pa	[2] 3,784	----
Youghiogheny River, Pa	318	----
Little Kanawha River, W. Va	281	----
Kanawha River, W. Va	1,532	----
Ohio River, Ohio	21,955	----
Muskingum River, Ohio	473	----
Kentucky River, Ky	156	50
Green and Barren Rivers, Ky	554	14
INTERIOR RIVERS AND OTHER WATERWAYS		
Fox River, Wis	326	----
Grand River, Mich	410	----
Niagara River, N. Y	184	----
San Joaquin River, Calif	941	----
Sacramento River, Calif	1,129	----
Umpqua River, Oreg	385	304
Coquille River, Oreg	463	400
Yaquina River, Oreg	377	275
Columbia River from Vancouver to The Dalles	915	432
Clatskanie River, Oreg	229	225
Willamette River (above Portland and Yamhill River, Oreg.)	1,806	1,116
Cowlitz River, Oreg	821	704
Colombia and Willamette Rivers, Wash. and Oreg	8,751	6,530
INTERIOR RIVERS AND OTHER WATERWAYS—continued		
Hoquiam River, Wash	1,698	1,359
Stillaguamish River, Wash	221	119
Snohomish River, Wash	1,994	1,430
Skagit River, Wash	330	237
Chehalis River, Wash	525	525
Wishkah River, Wash	639	537
Pend d'Oreille River, Wash. and Idaho	325	325
Priest River, Idaho	155	155
Coeur d'Alene Lake and St. Joe River, Idaho	690	688
FEDERAL CANALS AND CONNECTING CHANNELS		
Cape Cod Canal, Mass	2,105	----
Inland waterway from Delaware River to Chesapeake Bay, Del. and Md	709	----
Waterway from Norfolk, Va., to the sounds of North Carolina	154	13
Inland waterway from Norfolk, Va., to Beaufort Inlet, N. C	664	33
Waterway between Beaufort, S. C., and St. Johns River, Fla	600	90
Intracoastal waterway, Jacksonville to Miami, Fla	108	----
Channel between Mobile Bay and Mississippi Sound, Ala	515	----
Intracoastal waterway, Calcasieu River to Sabine River, La. and Tex	925	----
Harvey Canal, La	344	1
Intracoastal waterway, Mississippi River to Bayou Teche, La. (Black Bayou)	390	3
Sabine-Neches Canal, Tex.:		
Local traffic	31	----
Traffic in transit	12,127	----
Keweenaw Waterway, Mich	550	----
Sturgeon Bay and Lake Michigan Ship Canal, Wis. (through traffic only)	550	----
St. Marys Falls Canal, Mich	92,622	----
Detroit River, Mich.[3]	18,098	----
Lake Washington Ship Canal, Wash	3,235	1,661
Canal and locks at Willamette Falls, Oreg	313	40
STATE AND PRIVATE CANALS		
New York State Barge Canal System	2,876	----
Lehigh and Delaware Division Canals, Pa	262	----
New Basin Canal, La	293	----
Navigation Canal, Inner Harbor, La	949	[4]
Miami Canal, Fla	325	----
Chicago Sanitary Drainage Canal, Ill	523	----

[1] Included in total.
[2] Excludes car ferry, general ferry, and cargoes in transit.
[3] Excludes traffic through the St. Marys Falls Canal, which also passes through the Detroit River; the total traffic through the Detroit River was 110,720,000 tons.
[4] Less than 500 tons.

Source: Annual Report of the Chief of Engineers, United States Army.

No. 473.—SAULT STE. MARIE CANALS: 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	Eastbound	Westbound	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	14,497	566	12,503	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
1909	57,895	46,379	11,516	54,265	3,630	46,813	36,292	.78	626
1910	62,363	47,134	15,229	58,569	3,794	52,406	38,711	.74	654
1911	53,477	36,429	17,048	49,844	3,633	44,174	29,492	.67	595
1912	72,473	55,378	17,095	68,469	4,004	60,243	40,578	.67	791
1913	79,718	59,206	20,512	74,789	4,929	65,331	44,381	.68	866
1914	55,370	39,471	15,899	50,469	4,901	46,112	27,597	.60	635
1915	71,290	56,369	14,921	66,877	4,413	59,317	41,984	.71	882
1916	91,888	74,148	17,740	86,174	5,714	75,717	60,845	.80	974
1917	89,814	70,047	19,767	84,685	5,129	73,635	89,277	1.21	1,197
1918	85,680	66,285	19,395	80,958	4,722	70,108	83,508	1.19	987
1919	68,236	52,832	15,404	63,408	4,828	55,612	58,479	1.05	915
1920	79,282	63,464	15,818	74,866	4,416	64,702	85,742	1.33	1,120
1921	43,259	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	91,380	71,236	20,144	83,795	7,585	73,218	80,843	1.10	1,026
1924	72,037	56,840	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	65,677	71,093	1.08	1,118
1926	85,679	69,530	16,149	78,006	7,673	69,360	78,517	1.13	1,064
1927	83,354	64,303	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	92,622	74,840	17,782	85,839	6,783	74,381	80,268	1.07	1,000
1930	72,898	57,067	15,831	67,560	5,338	59,058	61,159	1.04	761

	1910	1915	1920	1925	1928	1929	1930
Date of opening canal	Apr. 12	Apr. 13	Apr. 19	Apr. 8	May 1	Apr. 13	Apr. 21
Date of closing canal	Dec. 15	Dec. 20	Dec. 26	Dec. 17	Dec. 16	Dec. 14	Dec. 15
Number of vessels passing	20,899	21,233	18,847	20,650	19,286	19,794	16,818
Registered tonnage of vessels passing, 1,000 net tons	49,856	56,399	58,194	69,240	66,836	68,240	54,829
Eastbound, do	24,725	28,316	29,123	34,653	33,357	34,138	27,418
Westbound, do	25,132	28,083	29,071	34,587	33,479	34,102	27,411
Passengers carried, number	66,933	50,336	68,451	56,956	56,053	54,415	45,303
Freight, eastbound, 1,000 short tons	47,134	56,369	63,464	67,305	70,166	74,840	57,067
Flour, 1,000 bbls	7,576	8,437	7,478	9,289	9,283	9,164	8,532
Wheat, 1,000 bus	86,260	255,482	143,456	292,818	406,760	225,422	243,927
Other grain, do	39,243	64,755	51,630	149,927	131,039	68,127	55,434
Lumber, 1,000 ft. b. m	603,101	456,451	192,854	186,486	187,205	165,435	150,986
Iron ore, 1,000 short tons	41,600	45,212	56,643	53,821	53,225	64,827	46,990
Pig iron, do	49	18	1	28	118	151	43
Manufactured iron, do							48
Stone, do	10		67	24	67	71	62
Copper, do	148	156	52	63	86	64	35
General merchandise, do	173	332	56	107	136	187	163
Freight, westbound, 1,000 short tons	15,229	14,921	15,818	14,570	16,827	17,782	15,831
Coal, do	13,514	13,357	14,156	12,874	14,870	15,832	14,059
Salt, do	78	105	99	58	61	47	54
Oil, do			353	223	321	397	309
Stone, do			496	643	561	515	585
Iron ore, do	3	2	138	53	96	91	61
Manufactured iron and steel, 1,000 short tons	396	194	76	119	186	160	61
General merchandise, do	1,238	1,263	500	600	732	740	703

Source: Annual Report of the Chief of Engineers, United States Army.

No. 474.—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	Yearly average or year	All canals	Erie division			
					Total freight	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	1,348,365	798,706			
1846–1850	2,781,410	1,556,696	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	1,880,759	1921	1,270,407	993,639	356,985	247,653	103,400
1861–1865	5,049,341	2,743,929	1922	1,873,434	1,485,109	550,831	337,656	164,176
1866–1870	5,987,724	3,018,359	1923	2,006,284	1,626,062	629,703	375,964	190,104
1871–1875	5,974,097	3,326,073	1924	2,032,317	1,691,706	698,246	365,266	237,018
1876–1880	5,219,388	3,542,020	1925	2,344,013	1,945,466	916,441	339,713	262,331
1881–1885	5,210,389	3,495,590	1926	2,369,367	1,935,278	795,598	287,189	263,202
1886–1890	5,281,441	3,589,631	1927	2,581,892	2,047,774	791,037	325,076	327,616
1891–1895	4,112,061	2,962,528	1928	3,089,998	2,535,684	1,118,788	307,642	343,593
1896–1900	3,544,951	2,446,065	1929	2,876,160	2,422,204	810,385	229,047	308,831
1901–1905	3,335,210	2,144,492	1930	3,605,457	3,044,271	1,152,200	264,202	653,399
1906–1910	3,238,129	2,206,595						

Source: Commissioner of Canals and Waterways, Department of Public Works, State of New York.

No. 475.—PRINCIPAL COMMODITIES CARRIED ON THE OHIO RIVER

NOTE.—In short tons of 2,000 pounds. Ferry traffic is excluded. Totals include small items not shown.

Commodity	Total			1929			
	1927	1928	1929	Inbound	Outbound	Upbound	Downbound
Total	20,128,518	20,938,267	21,955,148	8,004,257	3,488,177	2,889,564	6,975,150
Animals and animal products	32,746	14,015	10,885	4,197	424	5,961	303
Livestock	24,722	7,675	4,992	2,367	178	2,330	67
Poultry and eggs	6,557	3,638	3,414	111	1	3,302	
Hides and leather	149	175	100			5	95
Dairy products	727	483	427	276	2	149	
Vegetable products	40,620	39,670	26,014	366	11,402	9,061	5,185
Groceries	7,421	10,312	7,903	97	3,515	1,691	2,600
Sugar and molasses	730	631	1,334		723	579	32
Grains	22,078	15,904	6,347		1,752	3,709	886
Flour	2,233	2,181	4,088	2	2,843	823	420
Hay, feed, straw	2,902	2,576	2,115	118	942		1,055
Vegetables	1,908	3,001	1,287	100	985	202	
Textiles	1,502	883	1,215	6	199	835	175
Dry goods	1,485	871	1,215	6	199	835	175
Wood and paper	474,045	396,169	318,571	270,849	1,377	13,360	32,985
Furniture	2,284	1,873	1,976	11	304	1,264	397
Logs and lumber	77,171	107,168	119,476	83,247	1,073	6,712	28,444
Railroad ties of wood	294,590	287,041	197,119	187,591		5,384	4,144
Minerals, nonmetallic	18,357,073	18,899,242	19,774,073	7,430,198	3,048,619	2,801,831	6,493,030
Cement	48,540	35,025	116,437	27,120	6,574	56,590	26,044
Sand and gravel	9,187,007	8,521,531	8,709,329	179,195	2,836,319	1,781,650	3,912,165
Stone	386,862	425,555	364,882	75,000	3,724	254,082	32,076
Coal	8,141,217	8,511,185	9,244,421	6,445,786	43,076	357,221	2,358,338
Coke	376,497	649,531	506,953	504,451	2,502		
Fluorspar	6,643	30,744	27,157	3,994	1,726	21,437	
Crude oil	104,262	213,664	452,326	95,366	1,435	325,008	30,518
Gasoline and kerosene	94,530	107,033	136,014	72,932	44,531	3,926	14,625
Other refined oils	6,755	1,903	1,929	167	678	516	568
Ores, metals, etc	981,999	1,346,584	1,595,120	825,648	397,943	15,123	356,406
Iron and steel, unmfd	402,070	650,287	842,945	428,443	321,020	11,696	81,786
Iron and steel, mfd	519,929	696,297	752,175	397,205	76,923	3,427	274,620
Machinery and vehicles	62,052	66,631	70,580	10,758	9,653	5,819	44,350
Machinery	3,380	12,711	9,309	4,582	915	3,585	317
Boats and barges	57,822	51,553	58,104	6,003	8,076	506	43,429
Automobiles and trucks	850	2,367	2,221	82	345	1,530	214
Chemicals	33,178	39,390	37,685	31,481	879	3,736	1,589
Acids, sulphuric	29,459	32,688	29,136	28,060	75	959	42
Fertilizers	2,744	3,101	2,838		180	1,507	1,151
Unclassified	144,800	135,683	120,405	30,759	14,681	33,788	41,177

Source: Annual Report of the Chief of Engineers, United States Army.

No. 476.—OHIO RIVER TRAFFIC: TONNAGE, TON-MILEAGE, AND FREIGHT

NOTE.—Figures exclude ferry traffic. In 1929 the tons of freight carried on ferries were reported as 1,889,723 but the hauls, of course, are very short. The passenger traffic other than on ferries for 1929 was: Passengers, 1,803,528; passenger miles, 24,557,905. 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*
1917	4,599	378,491	70,510	1928—Total	20,938	1,344,687	191,519
1918	6,171	315,504	77,685	Up	2,542	----------	27,294
1919	5,004	604,751	88,912	Down	6,705	----------	44,769
1920	9,382	1,183,915	223,443	Inbound	8,059	----------	82,618
1921	7,308	844,895	93,275	Outbound	3,633	----------	36,839
1922	6,292	807,793	144,796				
1923	8,281	----------	110,022	1929—Total	21,955	1,512,585	192,308
1924	10,867	----------	128,356	Up	2,800	----------	28,113
1925	15,737	825,497	151,622	Down	6,975	----------	47,377
1926	19,755	----------	150,086	Inbound	8,604	----------	86,415
1927	20,129	1,214,491	168,423	Outbound	3,486	----------	30,403

No. 477.—LOWER MISSISSIPPI RIVER TRAFFIC: FREIGHT BY SECTIONS, AND PETROLEUM AT BATON ROUGE

NOTE.—**In short tons 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	
	Up-bound	Down-bound	Up-bound	Down-bound	Up-bound	Down-bound	Up-bound	Down-bound	Up-bound to	Down-bound from
1923	263,729	459,339	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	624,590	917,475	748,965	1,589,202	6,044,075	766,463	3,872,316
1925	420,246	583,323	651,002	1,037,652	1,391,234	1,821,025	1,363,254	7,738,396	467,616	5,359,639
1926	420,379	585,600	732,729	927,459	1,165,142	3,627,638	1,402,325	9,612,163	529,590	6,116,517
1927	448,459	659,743	839,718	1,304,599	1,371,134	2,986,963	1,727,352	7,089,393	354,117	4,447,025
1928	474,173	956,010	855,631	1,675,625	1,856,842	2,946,998	1,680,541	6,974,085	379,942	4,601,718
1929	309,986	581,770	699,019	1,629,315	1,362,443	1,472,617	1,530,519	6,196,864	465,521	3,830,807

	Between Ohio and Illinois Rivers		Cairo to Memphis		Memphis to Vicksburg		Vicksburg to New Orleans	
	1928	1929	1928	1929	1928	1929	1928	1929
Upbound	474,173	309,986	855,631	699,019	1,856,842	1,362,443	1,680,541	1,530,519
Coffee, cocoa, and spices	17,970	12,204	21,485	14,490	26,415	19,436	27,280	19,500
Sugar	67,612	95,776	193,227	281,649	273,085	383,115	285,693	402,846
Sisal and hemp	31,203	20,102	37,025	30,355	37,054	30,415	37,054	30,406
Burlap and bagging	8,801	13,165	9,842	13,561	13,734	18,075	13,734	18,107
Logs, barged	41,278	31,170	91,822	43,596	224,721	174,455	32,967	19,526
Petroleum and products	9,859	2,466	5,412	17,055	221,862	23,070	649,397	740,576
Receipts at Baton Rouge	----------	----------	----------	----------	----------	----------	379,942	465,521
Shipments from Baton Rouge	----------	----------	----------	----------	----------	----------	202,816	----------
Gravel and sand	----------	----------	78,941	16,536	199,963	53,696	100	----------
Cement	84	2,772	2	----------	2,488	3,430	1,075	1,174
Bauxite ore	171,815	----------	343,958	136,928	343,958	136,928	343,958	136,928
Sulphur	207	5,180	1,904	26,750	1,904	26,750	1,904	26,750
All other	125,284	127,151	72,001	118,099	511,658	493,073	237,379	134,706
Downbound	956,010	581,770	1,675,625	1,629,315	2,946,998	1,472,617	6,974,085	6,196,864
Wheat	99,441	62,341	100,102	97,549	100,134	97,549	100,102	97,549
Corn	39,535	9,232	72,497	55,363	72,484	55,363	72,499	55,388
Tobacco	----------	----------	1,147	511	23,111	11,450	23,129	11,449
Cotton, raw	----------	----------	310	7	67,906	65,877	84,423	96,174
Logs, barged	27,855	23,538	197,929	167,898	240,366	156,445	128,618	15,477
Logs, rafted or floated		959	36,000	130,320	105,166	119,393	141,037	58,444
Coal and coke	23,826	8,888	148,451	150,535	106,071	49,511	115,532	295
Petroleum and products	11,437	6,494	194	161	998,231	10,171	5,774,326	5,315,974
Receipts at Baton Rouge	----------	----------	----------	----------	----------	----------	992,129	959,217
Shipments from Baton Rouge	----------	----------	----------	----------	----------	----------	4,601,718	3,830,807
Stone	341,364	172,035	111,141	82,135	155,590	189,148	1,200	6,738
Gravel and sand	19,617	----------	465,591	196,888	313,237	66,365	83,250	----------
Bauxite ore concentrates	5,940	2,996	12,958	8,907	12,958	8,907	12,958	8,907
Iron and steel manufactures	30,966	29,960	280,960	347,864	129,843	144,944	126,160	135,314
All other	356,029	265,327	308,345	391,177	621,401	498,494	310,846	395,155

Source of Tables 476 and 477: Annual Reports of the Chief of Engineers, United States Army.

No. 478.—UNITED STATES MERCHANT MARINE: DOCUMENTED TONNAGE

NOTE.—For definition of "gross ton" see general note, p. 449. 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[1]	Total	Steam and motor	All other[1]	Foreign trade	Coastwise and internal trade	Whale fisheries	Cod and mackerel fisheries
1789[2]	-------	-------	-------	202	-------	202	124	69	-------	9
1800[2]	-------	-------	-------	972	-------	972	667	272	3	29
1810[2]	-------	-------	-------	1,425	-------	1,425	981	405	4	35
1820[2,3]	-------	-------	-------	1,280	-------	1,280	584	658	36	72
1830[2,3]	-------	-------	-------	1,192	64	1,127	538	517	40	98
1840[4]	-------	-------	-------	2,181	202	1,978	763	1,177	137	104
1850	-------	-------	-------	3,535	526	3,010	1,440	1,798	146	152
1860	-------	-------	-------	5,354	868	4,486	2,379	2,645	107	163
1870	28,998	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	5,965	17,502	4,424	1,859	2,565	928	3,409	19	68
1900	23,333	7,053	16,280	5,165	2,658	2,507	817	4,287	10	52
1910	25,740	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
1918	26,711	16,658	10,053	9,925	7,471	2,453	3,599	6,282	4	38
1919	27,513	17,651	9,862	12,907	10,416	2,492	6,665	6,201	4	36
1920	28,183	18,814	9,369	16,324	13,823	2,501	9,925	6,358	4	38
1921	28,012	19,071	8,941	18,282	15,745	2,537	11,077	7,163	4	37
1922	27,358	18,960	8,398	18,463	15,982	2,481	10,720	7,703	4	36
1923	27,017	18,946	8,071	18,285	15,821	2,463	9,069	9,177	4	35
1924	20,575	18,750	7,825	17,741	15,315	2,425	8,794	8,911	3	32
1925	26,367	18,637	7,730	17,406	14,976	2,430	8,151	9,216	4	35
1926	26,342	18,689	7,654	17,311	14,848	2,463	7,719	9,552	3	38
1927	25,778	18,384	7,394	16,888	14,507	2,381	7,309	9,533	8	38
1928	25,385	18,270	7,115	16,683	14,347	2,336	6,934	9,706	7	36
1929	25,326	18,319	7,007	16,477	14,162	2,315	6,906	9,526	7	39
1930	25,214	18,211	7,003	16,068	13,757	2,311	6,296	9,723	7	42

Classes	Number					Thousands of gross tons				
	1910	1920	1925	1929	1930	1910	1920	1925	1929	1930
By utilization:										
Registered—										
Foreign trade	1,490	5,932	4,695	4,365	4,175	783	9,925	8,151	6,906	6,296
Whale fisheries	36	26	19	14	14	9	4	4	7	7
Enrolled—										
Coasting and internal trade	13,654	12,181	12,586	12,392	12,497	6,555	6,233	9,097	9,411	9,608
Cod and mackerel fisheries	395	196	185	233	261	39	32	29	32	36
Licensed—										
Coasting and internal trade	9,328	9,463	8,599	8,043	8,004	114	124	119	115	115
Cod and mackerel fisheries	837	385	283	279	263	8	6	6	6	6
By location:										
Atlantic and Gulf[5]	17,084	16,850	15,723	14,414	14,321	3,523	9,739	11,108	10,262	9,904
Pacific[6]	3,574	6,512	6,035	6,396	6,466	937	3,326	3,282	3,294	3,227
Northern lakes	3,273	3,091	2,677	2,513	2,450	2,895	3,139	2,853	2,771	2,758
Western rivers	1,809	1,730	1,932	2,003	1,977	154	120	162	179	178
By power:										
Sail	8,947	4,030	2,533	1,711	1,584	1,655	1,272	1,125	825	757
Steam[7]	12,452	8,103	7,454	6,400	6,057	4,900	13,466	14,495	13,301	12,775
Motor[7]	-------	10,711	11,183	11,919	12,124	-------	367	481	861	982
Canal boats	674	448	342	253	226	74	52	40	32	29
Barges	3,667	4,891	4,855	5,043	5,193	878	1,177	1,264	1,457	1,525
By material:										
Wood	23,527	23,781	21,384	20,255	20,211	3,391	3,876	2,907	2,567	2,554
Metal	2,213	4,402	4,983	5,071	5,003	4,117	12,448	14,499	13,910	13,514

[1] Sailing vessels, canal boats, and barges.
[2] Dec. 31.
[3] 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.
[4] Sept. 30.
[5] Including Porto Rico in all years shown and Virgin Islands beginning 1920.
[6] Including Hawaii and Alaska.
[7] Motor vessels included in steam in 1910

Source: Reports of the Commissioner of Navigation.

No. 479.—UNITED STATES MERCHANT MARINE: LARGER SEAGOING VESSELS, BY CLASSES AND SIZE, AS OF JULY 1

NOTE.—For definition of "gross ton" see general note, p. 449. The number and tonnage reached their maximum in 1921

	Number					Thousands of gross tons				
	1921	1925	1928	1929	1930	1921	1925	1928	1929	1930
Vessels of 500 gross tons or over, total	**3,723**	**3,143**	**2,695**	**2,581**	**2,409**	**13,234**	**12,056**	**11,164**	**10,978**	**10,482**
Private ownership	1,925	1,925	1,934	1,953	1,931	5,241	6,217	7,054	7,662	7,818
Shipping Board [1]	1,798	1,218	761	628	478	7,994	5,840	4,110	3,316	2,664
Steam and gas	2,888	2,432	2,139	2,082	1,949	12,216	11,143	10,532	10,316	9,854
Sailing and unrigged	835	711	556	499	460	1,019	913	632	662	629
Foreign trade	2,559	1,702	1,201	1,230	1,117	10,621	7,517	6,162	6,571	5,009
Coasting trade	1,164	1,441	1,494	1,351	1,292	2,614	4,539	5,002	4,407	5,474
Steel	2,549	2,394	2,122	2,061	1,927	11,441	11,141	10,461	10,334	9,871
Wood	1,174	749	573	520	482	1,793	916	703	644	611
Power vessels of 1,000 gross tons and over, total	**2,752**	**2,322**	**2,037**	**1,985**	**1,858**	**12,116**	**11,061**	**10,358**	**10,243**	**9,785**
Steel	2,387	2,243	1,982	1,931	1,806	11,210	10,913	10,259	10,146	9,693
Wood	365	79	55	54	52	906	147	99	98	92
Passenger	238	193	202	201	200	1,271	1,227	1,317	1,323	1,348
Freight	2,145	1,739	1,447	1,403	1,273	8,620	7,477	6,689	6,542	6,023
Tank	351	375	374	367	371	2,124	2,274	2,297	2,303	2,339
Refrigerator	18	15	14	14	14	101	83	75	75	75
Steam engine	2,697	2,259	1,951	1,883	1,743	11,984	10,869	10,024	9,807	9,273
Oil burning	1,595	1,720	1,613	[2] 1,575	[2] 1,498	8,240	8,875	8,647	8,531	8,202
Coal burning	1,102	559	338	308	245	3,744	1,994	1,377	1,276	1,071
Oil engine (internal-combustion)	55	[3] 63	[3] 86	[3] 102	[3] 115	132	192	334	436	513
Size—gross tons:										
1,000 to 1,999	151	137	116	113	114	234	208	174	170	172
2,000 to 2,999	879	569	357	330	268	2,269	1,403	949	889	668
3,000 to 3,999	362	285	227	211	179	1,232	1,011	751	693	606
4,000 to 4,999	199	213	213	210	198	922	994	996	983	915
5,000 to 5,999	558	345	508	502	489	3,110	2,210	2,823	2,788	2,716
6,000 to 6,999	337	504	341	336	318	2,149	2,818	2,177	2,140	2,044
7,000 to 7,999	158	149	145	144	144	1,164	1,039	1,067	1,059	1,059
8,000 to 8,999	54	56	59	48	64	451	468	494	707	534
9,000 to 9,999	10	22	26	25	32	96	240	249	239	303
10,000 and over	44	42	45	66	52	548	611	678	570	767

[1] One thousand gross tons or over; the Shipping Board fleet is almost wholly of such vessels.
[2] Includes 9 vessels of 96,026 gross tons, equipped with electric screw.
[3] Includes 12 vessels of 40,533 gross tons, propelled by electrically driven screws.

No. 480.—VESSELS BUILT IN THE UNITED STATES AND DOCUMENTED FOR AMERICAN SHIPOWNERS: YEARS ENDED JUNE 30

Yearly average or year	Number	Gross tons
1787–1800	----------	72,574
1801–1810	----------	[1] 102,452
1811–1820	----------	89,797
1821–1830	790	89,372
1831–1840	924	118,960
1841–1850	1,195	185,309
1851–1860	1,406	366,603
1861–1870	1,664	299,602
1871–1880	1,455	253,800
1881–1890	1,056	230,197
1891–1900	1,055	235,699
1901–1910	1,311	418,178
1911–1920	1,449	1,090,938
1921–1925	998	737,158
1926–1930	928	222,054
1908	1,457	614,216
1909	1,247	238,090
1910	1,361	342,068
1911	1,422	291,162
1912	1,505	232,669
1913	1,475	346,155
1914	1,151	316,250
1915	1,157	225,122
1916	937	325,413
1917	1,297	664,479
1918	1,528	1,300,868
1919	1,953	3,326,621
1920	2,067	3,850,639
1921	1,361	2,265,115
1922	845	661,232
1923	770	335,630
1924	1,049	223,968
1925	967	199,846
1926	924	224,673
1927	917	245,144
1928	969	257,180
1929	805	128,976
1930	1,020	254,296

[1] Nine-year average, there being no record of the tonnage for 1802.
Source of Tables 479 and 480: Reports of the Commissioner of Navigation.

No. 481.—VESSELS BUILT IN UNITED STATES: By Classes and Regions

NOTE.—For definition of "gross ton" see general note p. 449. Data are for years ended June 30

Class and where built	1901–1910, average	1911–1915, average	1916–1920, average	1921–1925, average	1926–1930, average	1928	1929	1930
BUILT AND DOCUMENTED IN THE UNITED STATES								
Total—number	1,311	1,342	1,556	998	928	969	808	1,020
Gross tons	418,178	282,272	1,899,604	737,190	222,054	257,180	128,976	254,296
Sailing—number	300	70	82	38	9	5	13	8
Gross tons	59,857	16,339	70,599	27,685	305	230	797	210
Steam and gas—number	631	911	1,111	697	646	675	570	677
Gross tons	287,593	200,669	1,734,296	639,341	148,737	172,901	75,725	172,969
Canal boats—number	46	36	19	9	5	1	5	----
Gross tons	5,022	4,099	2,613	1,043	952	140	967	----
Barges—number	284	325	344	254	268	288	220	335
Gross tons	65,705	61,164	92,096	69,121	71,999	83,909	51,487	81,117
Metal—gross tons	270,852	181,166	1,511,043	631,109	151,808	201,437	78,121	107,081
Wood—do	147,326	101,106	388,561	106,081	70,246	55,743	50,855	87,215
Gross tons built on:								
New England coast	59,491	21,474	112,835	45,913	10,874	11,434	12,766	18,601
Middle Atlantic and Gulf coasts	130,226	149,941	833,438	442,721	123,600	146,532	71,750	143,656
Pacific coast	34,482	34,439	687,076	174,926	28,612	23,715	20,253	30,859
Northern lakes	184,724	69,794	260,138	58,317	45,292	50,478	13,701	54,365
Western rivers	9,256	6,623	6,117	15,313	13,676	25,021	10,606	6,815

BUILT FOR FOREIGNERS[1]

	1915	1916	1917	1918	1919	1920	1921	1922	1923	1926	1927	1928	1929	1930
Number	5	36	41	22	59	23	33	10	4	7	9	12	12	11
Gross tons	275	2,949	124,560	48,531	121,098	39,507	65,938	55,991	17,408	272	610	1,228	1,209	2,746

[1] None were built for foreigners in 1924 and 1925.

Source: Reports of the Commissioner of Navigation.

No. 482.—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. 449. Vessels under construction Dec. 31, 1930, numbered 502 of 2,326,086 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	252,864
1915–1920, average [1]	1,488	4,046,860	1,296	3,918,746	518	1,877,382
1921–1925, average	942	2,578,620	830	2,531,592	99	313,321
1926–1930, average	873	2,468,515	808	2,427,929	74	158,788
1921	1,377	4,341,079	1,205	4,274,375	173	1,006,413
1922	851	2,467,084	745	2,425,729	59	119,138
1923	701	1,643,181	620	1,614,790	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	600	1,674,977	525	1,630,134	78	150,613
1927	802	2,285,679	734	2,239,522	66	179,218
1928	869	2,699,239	809	2,660,321	63	91,357
1929	1,012	2,793,210	981	2,774,191	63	126,063
1930	1,084	2,889,472	991	2,835,476	100	246,687

[1] Figures during the war period are shown only for allied and neutral countries.

Source: Lloyd's Register of Shipping.

No. 483.—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. 449

Year	World total	United States	Year	World total	United States	Year	World total	United States
	1,000 tons	*1,000 tons*		*1,000 tons*	*1,000 tons*		*1,000 tons*	*1,000 tons*
1895	25,086	2,165	1920	57,314	16,049	1926	64,784	14,879
1900	28,957	2,750	1922	64,371	17,062	1927	65,193	14,670
1905	35,998	3,996	1923	65,166	16,945	1928	66,955	14,633
1910	41,915	5,059	1924	64,024	15,957	1929	68,074	14,482
1915	49,262	5,893	1925	64,641	15,377	1930	69,608	14,046

	Number					Thousands of tons (see headnote)					
	1910	1920	1925	1929	1930	1910	1914	1920	1925	1929	1930
World total	30,058	31,595	32,916	32,482	32,713	41,915	49,090	57,314	64,641	68,074	69,608
Steam and motor	22,008	26,513	29,205	29,612	29,996	37,291	45,404	53,905	62,380	66,407	68,024
Steel and iron	20,403	23,382	26,468	27,191	27,595	36,769	44,934	51,661	61,317	65,654	67,304
Wood and composite	1,605	3,131	2,737	2,421	2,401	521	470	2,244	1,063	754	720
Sailing	8,050	5,082	3,711	2,870	2,717	4,624	3,686	3,409	2,261	1,667	1,584
Steel and iron	2,115	1,314	919	759	742	2,508	2,095	1,524	954	678	654
Wood and composite	5,935	3,768	2,792	2,111	1,975	2,116	1,590	1,885	1,307	989	930
United States	3,469	5,457	4,882	4,383	4,223	5,059	5,368	16,049	15,377	14,482	14,046
Steam and motor	1,712	4,110	3,921	3,635	3,517	3,827	4,330	14,574	14,272	13,592	13,202
Steel and iron	1,270	3,242	3,349	3,105	3,001	3,602	4,120	13,341	13,862	13,201	12,914
Wood and composite	442	868	572	530	516	226	210	1,234	391	300	288
Sailing	1,757	1,347	961	748	706	1,232	1,038	1,475	1,105	890	844
Steel and iron	139	154	155	143	147	245	236	304	323	203	288
Wood and composite	1,618	1,193	806	600	550	987	803	1,171	782	597	556

No. 484.—EXPENSES AND REVENUES OF THE PANAMA CANAL

Year ended June 30—	Transit operations					Business operations		
	Tolls	Taxes, licenses, fees, fines, postal receipts, etc.	Total transit revenues	Net canal transit expenses	Net revenues (surplus)	Business revenues	Business expenses	Net revenues (surplus)
1916	2,399,830	$158,712	2,558,542	6,999,750	[1] *4,441,208*	6,488,522	6,476,623	11,898
1917	5,631,782	176,617	5,808,399	6,788,048	[1] *979,649*	7,579,588	7,540,161	39,428
1918	6,264,766	147,078	6,411,843	5,920,343	491,500	10,324,072	10,317,912	6,160
1919	6,156,119	197,898	6,354,017	6,112,195	241,822	13,684,881	13,623,854	61,027
1920	8,493,083	442,789	8,935,872	6,548,272	2,387,599	14,705,372	14,465,686	239,686
1921	11,261,919	778,197	12,040,117	9,328,300	2,711,817	15,232,317	14,668,106	564,211
Total, 1914 to 1921 [2]	44,565,501	1,901,291	46,466,792	45,986,067	480,725	70,840,125	69,979,538	860,587
Adjusted status to 1921 [2]	44,565,501	1,420,566	45,986,067	45,986,067		71,450,710	70,359,400	1,100,310
1922	11,193,383	192,209	11,385,592	7,919,018	3,466,575	7,747,228	7,423,968	323,259
1923	17,507,631	184,214	17,691,844	7,690,778	10,001,067	10,872,843	9,732,201	1,140,643
1924	24,289,603	392,251	24,681,854	8,373,905	16,307,949	12,968,777	12,067,153	901,624
1925	21,374,664	207,954	21,582,618	8,116,693	13,465,925	14,564,115	13,798,108	765,917
1926	22,927,456	217,680	23,145,137	7,993,468	15,151,668	15,874,478	15,033,168	841,310
1927	24,217,185	391,624	24,608,809	8,997,715	15,611,094	15,878,655	15,002,118	876,537
1928	26,943,513	232,533	27,176,046	8,951,201	18,224,845	16,929,247	16,192,528	736,719
1929	27,123,534	243,391	27,366,926	9,637,151	17,729,775	17,236,785	16,498,935	737,850
1930	27,077,117	349,255	27,426,373	9,343,921	18,082,452	19,865,895	19,104,924	760,972
Grand total	247,219,588	3,831,677	251,051,265	123,009,917	128,041,348	203,397,733	195,212,593	8,185,141

[1] Deficit.

[2] To and including 1921 "Net revenues from business operations" shown in last column are included in "Taxes, licenses, etc.," "Total transit revenues," and "Net revenues from transit operations"; therefore the $480,725 shown under the latter is the net revenue to June 30, 1921, from all operations. In the adjusted total this item is transferred to "Surplus from business operations" by deducting from the amount shown in this column $379,862, which is added to "Business expenses." To "Business revenues," and to "Surplus from business operations," is also added $619,585 interest on public works in Panama and Colon received prior to June 30, 1921, but not taken up as a canal revenue.

Sources: Table 483, Lloyd's Register; Table 484, Report of the Governor of the Panama Canal.

No. 485.—COMMERCIAL TRAFFIC THROUGH THE PANAMA CANAL: BY NATIONALITY OF VESSEL

NOTE.—See general note, p. 449. Net tonnage is according to Panama Canal measurement

Nationality and year ended June 30	Number of vessels	Net tonnage (thousands)	Tolls (thousands of dollars)	Tons of cargo (thousands)
Total traffic:				
1915–1930, total	59,431	263,955	247,512	275,979
1915	1,075	3,793	4,368	4,888
1916	758	2,396	2,408	3,094
1917	1,803	5,799	5,627	7,059
1918	2,069	6,574	6,439	7,532
1919	2,024	6,125	6,173	6,917
1920	2,478	8,546	8,514	9,374
1921	2,892	11,416	11,277	11,599
1922	2,736	11,417	11,198	10,885
1923	3,967	18,606	17,508	19,568
1924	5,230	26,149	24,291	26,995
1925	4,673	22,855	21,401	23,959
1926	5,197	24,775	22,931	26,037
1927	5,475	26,228	24,229	27,748
1928	6,456	29,459	26,944	29,631
1929	6,413	29,838	27,127	30,663
1930	6,185	29,981	27,077	30,030
United States:				
1915–1930, total	26,583	127,558	119,150	136,597
1915	459	1,700	2,008	2,188
1916	213	653	724	849
1917	404	1,239	1,238	1,476
1918	567	1,704	1,714	2,098
1919	784	2,257	2,327	2,759
1920	1,129	3,791	3,806	4,547
1921	1,210	4,862	4,785	5,163
1922	1,095	4,972	4,867	4,951
1923	1,994	10,209	9,474	11,055
1924	2,947	15,807	14,483	16,654
1925	2,326	12,271	11,302	13,080
1926	2,432	12,665	11,540	13,711
1927	2,685	13,915	12,720	15,242
1928	2,753	13,753	12,646	14,249
1929	2,700	13,326	12,300	14,076
1930	2,885	14,534	13,221	14,499
British:				
1915–1930, total	17,048	77,334	73,163	75,621
1929	1,783	8,995	8,025	8,331
1930	1,536	8,007	7,198	7,573
Norwegian:				
1915–1930, total	3,084	11,331	10,237	12,884
1929	340	1,280	1,123	1,505
1930	371	1,660	1,410	1,808
Japanese:				
1915–1930, total	1,994	9,326	9,848	11,608
1929	155	775	810	980
1930	163	803	851	1,010
Chilean:				
1915–1930, total	851	2,645	2,353	1,552
1929	31	131	137	99
1930	46	164	154	106
Danish:				
1915–1930, total	928	3,471	3,302	4,625
1929	101	417	379	518
1930	91	382	353	506
Dutch:				
1915–1930, total	1,246	6,008	5,451	6,148
1929	149	691	596	696
1930	141	671	572	619
Peruvian:				
1915–1930, total	915	2,335	1,797	1,480
1929	48	109	77	70
1930	2	9	10	13
French:				
1915–1930, total	1,140	4,746	4,805	4,657
1929	115	535	533	531
1930	124	628	583	577
Swedish:				
1915–1930, total	809	3,605	3,032	5,172
1929	144	619	520	846
1930	125	572	473	832
Spanish:				
1917–1930, total	373	1,220	1,179	863
1929	32	118	117	95
1930	2	4	6	8
Italian:				
1915–1930, total	640	3,057	3,023	2,279
1929	83	492	447	334
1930	66	429	385	264
German:				
1920–1930, total	1,946	7,303	6,528	8,067
1929	402	1,405	1,222	1,482
1930	377	1,433	1,236	1,383
Miscellaneous:				
1915–1930, total	1,814	4,017	3,643	4,426
1929	330	947	842	1,096
1930	256	684	625	827

No. 486.—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. 449

Years ended June 30—	Number of vessels	Thousands of gross tons	Thousands of net tons [1]	Thousands of cargo tons		
				Total	A to P	P to A
1916	758	3,597	2,396	3,094	1,369	1,725
1917	1,803	8,531	5,799	7,059	2,929	4,129
1918	2,069	9,371	6,574	7,532	2,639	4,893
1919	2,024	7,877	6,125	6,917	2,740	4,176
1920	2,478	11,060	8,546	9,374	4,093	5,282
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	7,086	12,482
1924	5,230	33,412	26,149	26,995	7,860	19,135
1925	4,673	29,148	22,855	23,950	7,398	16,560
1926	5,197	31,073	24,775	26,037	8,037	18,000
1927	5,475	33,556	26,228	27,748	8,583	19,165
1928	6,456	37,203	29,459	29,631	8,310	21,321
1929	6,413	37,465	29,838	30,663	9,883	20,780
1930	6,185	37,431	29,981	30,030	9,475	20,555

[1] Panama Canal measurement.

Source of Tables 485 and 486: Report of the Governor of the Panama Canal.

No. 487.—CARGO TONNAGE THROUGH PANAMA CANAL: BY ORIGIN AND DESTINATION, YEARS ENDED DECEMBER 31

[In thousands of cargo tons of 2,240 pounds]

Origin and destination	Atlantic to Pacific			Origin and destination	Pacific to Atlantic		
	1928	1929	1930		1928	1929	1930
Grand total	9,066	10,166	8,064	Grand total	20,336	21,284	19,784
To W. coast United States[1]	3,908	4,434	3,536	To E. coast United States	10,745	12,079	11,144
To W. coast other N. America	500	589	479	To E. coast other N. America	1,224	1,076	1,072
To W. coast S. America	1,234	1,578	1,192	To Europe	8,188	7,963	7,401
To Asia	2,061	2,098	1,797	To Africa and S. America	179	166	167
To Australasia	1,363	1,468	1,061	From W. coast United States, total[1]	10,118	11,009	10,557
From E. coast United States, total	6,009	6,609	5,237	To E. coast United States	6,873	7,545	6,982
To W. coast United States[1]	2,094	3,467	2,804	To E. coast other N. America	493	217	294
To W. coast other N. America	77	86	78	To Europe	2,701	3,193	3,209
To W. coast S. America	366	427	311	To Africa and S. America	47	55	71
To Asia	2,013	2,014	1,739	From W. coast other N. America, total	3,285	2,366	2,372
To Australasia	558	615	305	To E. coast N. America	602	586	563
From E. coast other N. America, total	619	772	614	To Europe	2,629	1,765	1,786
To W. coast N. America	294	328	224	To Africa and S. America	34	15	23
To W. coast S. America	97	179	159	From W. coast S. America, total	5,686	6,237	4,953
To Asia	41	54	25	To E. coast United States	2,859	3,260	2,718
To Australasia	186	210	214	To E. coast other N. America	451	524	441
From Europe, total	2,282	2,596	2,013	To Europe	2,258	2,358	1,722
To W. coast N. America	933	1,024	756	To Africa and S. America	98	95	72
To W. coast S. America	764	940	728	From Asia and Australasia, total	1,286	1,671	1,902
To Asia and Australasia	585	632	529	To E. coast N. America	685	1,024	1,218
From E. coast S. America and Africa, total	156	189	201	To Europe	601	646	684
				To E. coast S. America		2	1

[1] Including Hawaii.

No. 488.—LIVES LOST BY ACCIDENT ON VESSELS SUBJECT TO UNITED STATES STEAMBOAT INSPECTION SERVICE: YEARS ENDED JUNE 30

Cause	1924	1925	1926	1927	1928	1929	1930		
							Total	Passengers	Crew
Total	297	310	388	283	275	341	491	136	355
Fire	8	31	8	6	17	7	27	4	23
Collision	9	3	4	8	19	9	149	80	69
Grounding	4	1		1	2	1	1		1
Wreck	22		11	1		1	5		5
Explosion, escape of steam, etc	10	9	97	13	8	18	9		9
Foundered in storm	38	43	4	12	7	24	39		39
Sinking	19	8	52	22	28	5	64		64
Accidental drowning	107	100	89	104	100	111	84	8	76
Suicide	31	36	36	34	30	34	46	32	14
Miscellaneous	49	39	67	61	64	131	67	12	55

No. 489.—UNITED STATES COAST GUARD: YEARS ENDED JUNE 30

Item	1929	1930	Item	1929	1930
Lives saved or persons rescued from peril	4,375	6,004	Instances of miscellaneous assistance	4,867	5,960
Persons on board vessels assisted	18,725	29,079	Derelicts and other obstructions to navigation removed or destroyed	267	233
Persons in distress cared for	879	924	Value of vessels assisted (including cargoes)	$49,128,375	$49,018,073
Vessels boarded and papers examined	80,263	87,033	Total expended and obligated for the Coast Guard	$28,047,253	$29,839,724
Vessels seized or reported for violations of law	2,571	2,441	Persons examined for certificates as life-boat men	4,271	3,992
Fines and penalties incurred by vessels reported	$424,725	$438,765	Regattas and marine parades patrolled	104	137
Instances of lives saved and vessels assisted	4,419	5,241			

Sources: Table 487, Panama Canal Record; Table 488, Steamboat Inspection Service, Department of Commerce; Table 489, Annual Reports of the Secretary of the Treasury.

No. 490.—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 1930 are as follows: Vessels involved, 10; tonnage, 60,591; property loss, $53,110; persons on board, 891; no loss of life

Yearly average or year	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:									
1905–1910	358	1,091	145	1,666	10,781	2,671	17,038	21,954	461
1911–1915	296	952	126	1,496	9,551	2,341	17,389	22,295	238
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	19,859	189
1926–1930	273	780	122	2,258	17,648	4,159	11,830	23,372	219
1925	255	725	96	1,986	15,177	4,114	11,958	22,771	196
1926	254	728	94	2,015	15,597	4,324	12,331	21,970	236
1927	300	933	118	2,788	18,704	5,315	10,493	27,635	222
1928	273	760	107	2,286	16,570	4,135	14,856	23,482	166
1929	283	819	204	2,229	16,243	4,342	12,721	23,217	163
1930	253	651	85	1,970	21,126	2,678	8,749	20,555	310
Atlantic, Gulf, and Pacific coasts of the United States:									
1921–1925	148	370	58	802	8,856	1,895	5,996	9,903	98
1926–1930	167	451	56	1,162	9,233	1,783	6,600	12,541	116
1928	170	466	52	1,176	8,185	1,786	6,652	12,287	73
1929	172	483	63	1,302	8,812	2,491	7,737	13,725	73
1930	154	378	44	1,010	8,565	957	4,736	10,903	164
Great Lakes:									
1921–1925	20	92	11	357	1,894	192	1,491	2,586	25
1926–1930	20	90	15	315	2,433	318	1,433	2,388	31
1928	18	118	13	435	3,053	27	2,695	2,965	31
1929	26	77	14	248	2,051	100	1,686	2,005	7
1930	20	73	26	265	2,870	1,148	342	1,890	95
Rivers of the United States:									
1921–1925	45	86	7	160	1,815	127	820	1,881	12
1926–1930	54	103	5	224	1,542	110	1,548	2,414	14
1928	54	74	9	151	1,581	220	2,088	1,860	11
1929	49	112	4	195	1,437	94	1,603	2,073	7
1930	48	85	3	200	1,157	45	1,471	2,049	21
At sea and on the coasts of foreign countries:									
1921–1925	39	118	36	490	6,230	2,161	1,900	5,484	55
1926–1930	32	136	45	567	4,440	1,947	2,250	6,029	58
1928	31	121	32	523	3,751	2,102	3,421	6,420	51
1929	36	142	123	483	3,944	1,657	1,600	5,413	76
1930	31	115	12	496	8,534	528	2,200	5,713	30

Source: Reports of the United States Coast Guard, Treasury Department.

No. 491.—UNITED STATES SHIPPING BOARD AND UNITED STATES SHIPPING BOARD MERCHANT FLEET CORPORATION: NET APPROPRIATIONS AND ALLOTMENTS FROM INCEPTION TO JULY 1, 1930

For fiscal years ended prior to July 1, 1929	$3,592,368,259
United States Shipping Board	4,962,253
United States Shipping Board Emergency Fleet Corporation	3,587,406,006
Act of Sept. 7, 1916, permanent fund	50,000,000
Acts from June 15, 1917, to June 12, 1922, emergency shipping fund	3,325,863,502
Acts of Feb. 13, 1923, June 7, 1924, Mar. 3, 1925, Apr. 22, 1926, Feb. 11, 1927, and May 16, 1928, current maintenance and operations	148,300,000
Act of June 12, 1922, claims, damage charges, and miscellaneous adjustments	38,254,185
Acts of Apr. 17, 1917, and July 1, 1918, national security and defense (presidential allotments)	24,988,319
For fiscal year ended June 30, 1930	11,494,000
United States Shipping Board	359,750
United States Shipping Board Emergency Fleet Corporation—for current maintenance and operations	11,134,250
For fiscal year ending June 30, 1931	11,346,000
United States Shipping Board	396,000
United States Shipping Board Emergency Fleet Corporation	10,950,000
Current maintenance and operations	5,950,000
Operation of trade lines, ex-purchasers (expenditures on approval of President of the United States)	5,000,000
Net appropriations and allotments to June 30, 1931	3,615,208,259

Source: United States Shipping Board.

No. 492.—VESSELS CONTROLLED BY THE UNITED STATES SHIPPING BOARD MERCHANT FLEET CORPORATION: As of December 31

NOTE.—For definition of dead-weight tons see general note, p. 449. The number of tugs is shown under "All other" except as noted; there is no tonnage for these

Origin and class	1923	1930	
	Dead-weight tons	Number	Dead-weight tons
Grand total	9,185,452	437	3,660,232
ORIGIN			
Requisitioned steel	1,461,634	76	677,423
Contract steel	7,280,775	337	2,853,586
Contract wood or concrete	63,153	[1] 7	7,500
Purchased	158,846	11	92,798
Seized enemy	215,144	3	28,925
All other	5,900	[2] 3	
CLASS			
Steel	9,119,899	430	3,652,732
Cargo (completed)	8,140,521	414	3,556,055
Cargo and passenger	431,768	2	17,000
Tankers	395,055		
Refrigerators	100,920	10	70,277
Transports	38,235		
All other	13,400	[2] 4	9,400
Wood, composite, and concrete	65,553	[1] 7	7,500

Class	1923	1930	
	Dead-weight tons	Number	Dead-weight tons
Active steel	3,362,578	168	1,477,753
Cargo	2,875,947	165	1,477,753
Cargo and passenger	278,734		
Tankers	194,158		
All other	13,737	[2] 3	
Temporarily inactive steel	206,847		
Inactive steel	5,550,476	262	2,174,979
Cargo	5,126,361	250	2,087,702
Cargo and passenger	127,952	2	17,000
Refrigerators	82,483	10	70,277
U. S. Army transports	38,235		
Tankers	175,445		
Wood and composite, active and inactive, and inactive concrete	65,553		

[1] Includes 6 tugs.

[2] Includes 3 tugs.

No. 493.—SHIPPING BOARD VESSELS SOLD; BY TYPE

NOTE.—Data for earlier years are as follows: 1921, grand total, 50 vessels of 254,125 dead-weight tons; 20 steel vessels of 157,875 dead-weight tons; 30 wood vessels of 96,250 dead-weight tons; 1922, grand total, 362 vessels of 1,510,676 dead-weight tons; 104 steel vessels of 582,249 dead-weight tons; 1 concrete vessel of 7,500 dead-weight tons; 10 composite vessels of 35,600 dead-weight tons; and 247 wood vessels of 885,327 dead-weight tons; 1923, grand total, 112 vessels of 728,721 dead-weight tons; 106 steel vessels of 705,108 dead-weight tons; 1 concrete vessel of 3,078 dead-weight tons; 1 composite vessel of 3,575 dead-weight tons, and 4 wood vessels of 16,960 dead-weight tons; 1924, grand total, 49 vessels of 345,396 dead-weight tons; 46 steel vessels of 328,224 dead-weight tons; and 3 concrete vessels of 17,172 dead-weight tons; 1925, grand total, 147 vessels of 708,142 dead-weight tons; 141 steel vessels of 747,474 dead-weight tons; 2 concrete vessels of 9,298 dead-weight tons; 1 composite vessel of 3,500 dead-weight tons; and 3 wood vessels of 7,870 dead-weight tons

Type	1926		1927		1928		1929		1930	
	Number	Dead-weight tons [1]	Number	Dead-weight tons [1]	Number	Dead-weight tons [1]	Number	Dead-weight tons [1]	Number	Dead-weight tons [1]
Grand total	278	1,415,536	49	304,921	82	692,876	186	1,245,544	95	713,591
Steel vessels	275	1,415,536	48	304,921	81	692,876	185	1,245,544	95	713,591
Cargo	268	1,250,156	37	215,175	76	649,602	168	1,075,426	94	713,591
Passenger	3	90,825	1	11,000			11	115,330		
Tankers	6	53,500	9	71,668	4	34,574	6	54,788		
All other					1	8,700			1	
For conversion to Diesel—										
Cargo										
Tankers	3	21,055	1	7,078						
Wood vessels	3		1		1		1			

[1] See general note, p. 449. No tonnage is shown on tugs; the number includes tugs.

Source: United States Shipping Board.

No. 494.—UNITED STATES SHIPPING BOARD AND UNITED STATES SHIPPING BOARD MERCHANT FLEET CORPORATION: STATEMENT OF PROFIT AND LOSS (EXCLUDING LIQUIDATION) FISCAL YEAR 1930

[All money figures in thousands of dollars]

	Grand total	Ocean freighters	Chartered vessels		Grand total	Ocean freighters	Chartered vessels
Number of voyages terminated	923	903	20	Profit or *loss* on vessel operations	[2] *10,681*	[2] *10,716*	135
Cargo carried 1,000 tons	6,528	6,528	----	Expenses of inactive vessels	1,551	----	----
Voyage revenue [1]	43,518	43,228	290	Miscellaneous income, net	1,089	----	----
Operating costs, total [1]	54,099	53,944	155	Net *loss*	[2] *11,043*	----	----
Voyage expense	42,833	42,833	----				
Adjustment	448	448	----				
Insurance	2,827	2,731	96				
Repairs—							
Maintenance	4,717	4,717	----				
Betterments	219	219	----				
Advertising	123	123	----				
Administrative expense	2,032	2,873	59				

[1] Estimated. [2] Loss.

No. 495.—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 [1]			Atlantic coast ports			Gulf coast ports		
	1927	1928	1929	1927	1928	1929	1927	1928	1929
Total commerce	[2] 113,734	[2] 120,089	[2] 123,320	58,152	59,193	63,148	21,314	22,581	24,358
Inbound	54,570	59,105	63,770	35,698	38,039	42,959	6,664	6,724	7,208
Outbound	69,536	70,326	70,101	22,454	21,154	20,189	14,650	15,857	17,060
With foreign countries [3]	99,118	106,224	108,460	47,210	49,342	52,631	20,029	21,350	22,820
Imports	42,183	47,395	50,985	27,436	30,924	35,437	6,094	6,326	6,754
Exports	56,935	58,829	57,475	19,774	18,418	17,194	13,935	15,025	16,075
Intercoastal	----	----	----	9,720	8,614	9,498	652	748	1,053
Inbound	10,372	9,362	10,551	7,565	6,363	6,931	278	324	450
Outbound	10,372	9,362	10,551	2,155	2,251	2,567	374	424	597
With noncontiguous territories [4]	4,244	4,483	4,309	1,222	1,237	1,019	633	483	476
Imports	2,015	2,348	2,234	697	752	591	292	75	88
Exports	2,229	2,135	2,075	525	485	428	341	408	388

	Pacific coast ports			Great Lakes ports			Ports in all territories and possessions [5]		
Total commerce	28,912	28,592	30,143	15,728	19,065	16,222	7,566	9,692	[6] 8,060
Inbound	6,390	7,223	7,904	5,818	7,119	5,609	4,278	5,024	[6] 4,112
Outbound	22,522	21,369	22,239	9,910	11,946	10,613	3,288	4,668	[6] 3,948
With foreign countries [3]	16,151	16,467	16,778	15,728	19,065	16,222	1,941	1,964	[6] 631
Imports	2,835	3,027	3,185	5,818	7,119	5,609	1,510	1,519	[6] 578
Exports	13,316	13,440	13,593	9,910	11,946	10,613	431	445	[6] 53
Intercoastal	10,372	9,362	10,551	----	----	----	----	----	----
Inbound	2,529	2,675	3,164	----	----	----	----	----	----
Outbound	7,843	6,687	7,387	----	----	----	----	----	----
With noncontiguous territories [4]	2,389	2,703	2,814	----	----	----	[1] 5,625	[1] 7,728	[1] 7,429
Imports	1,026	1,521	1,555	----	----	----	[1] 2,768	[1] 3,505	[1] 3,534
Exports	1,363	1,242	1,259	----	----	----	[1] 2,857	[1] 4,223	[1] 3,895

[1] Continental United States.
[2] Duplication in intercoastal trade is eliminated.
[3] In showing trade of Continental United States ports, Philippine Islands, Virgin Islands, and Canal Zone are included with foreign countries.
[4] Alaska, Hawaii, Porto Rico, Guam, Samoa.
[5] Territories and possessions named in notes 3 and 4.
[6] Philippine Islands trade not included; figures not yet available.

Sources of Tables 494 and 495: United States Shipping Board.

No. 496.—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
Total:										
1921	33,057	4,835	18,635	9,587		48,431	7,254	11,150	30,027	
1922	44,682	5,269	22,665	8,600	8,148	42,502	6,644	10,205	14,109	11,544
1923	43,296	3,031	19,753	9,218	11,294	49,080	6,903	9,286	18,824	14,067
1924	40,899	2,063	19,630	8,406	10,200	52,261	6,663	11,653	18,867	15,078
1925	43,135	2,255	18,930	9,586	12,334	49,666	5,624	10,092	18,386	15,564
1926	44,686	2,888	18,217	10,702	12,879	68,140	5,591	11,531	28,269	22,749
1927	42,183	2,195	19,263	9,328	11,397	56,935	6,185	12,510	20,728	17,512
1928	47,395	2,063	22,124	10,591	12,617	58,829	5,071	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	46,642	1,404	23,191	10,028	12,019	48,000	3,042	11,313	16,611	17,043
Per cent distribution:										
1921	100.0	15	56	29		100.0	15	23	62	
1928	100.0	4	47	22	27	100.0	9	24	36	31
1929	100.0	3	46	24	27	100.0	8	23	36	33
1930	100.0	3	50	21	26	100.0	6	24	35	35
Dry cargoes:										
1921	15,695	2,173	6,192	7,330		42,451	6,529	9,483	26,439	
1922	25,526	3,102	8,106	7,259	6,999	36,032	6,386	8,144	11,276	10,256
1923	27,962	2,724	8,253	7,551	9,454	39,502	6,713	7,104	13,985	11,790
1924	26,242	2,267	8,462	6,914	8,599	41,204	6,400	8,200	14,146	12,308
1925	30,352	2,077	9,691	8,065	10,519	39,298	5,467	6,592	14,387	12,852
1926	32,085	2,323	9,132	9,386	11,244	55,851	5,486	7,838	23,222	19,305
1927	30,740	2,027	10,381	8,165	10,167	43,416	5,986	8,617	15,449	13,364
1928	32,988	2,052	11,347	8,889	10,700	43,940	5,017	9,923	15,990	13,010
1929	34,318	1,817	11,018	10,013	11,470	42,698	4,610	9,664	15,827	12,597
Per cent distribution:										
1921	100.0	14	39	47		100.0	15	23	62	
1928	100.0	6	34	27	33	100.0	11	23	36	30
1929	100.0	5	32	29	34	100.0	11	23	37	29
Tanker cargoes:										
1921	17,362	2,662	12,443	2,257		5,980	725	1,667	3,588	
1922	19,156	2,107	14,559	1,341	1,149	6,440	258	2,061	2,833	1,288
1923	15,334	307	11,500	1,687	1,840	9,488	190	2,182	4,839	2,277
1924	14,657	396	11,108	1,492	1,601	11,057	203	3,363	4,721	2,770
1925	12,783	208	9,238	1,522	1,815	10,368	157	3,500	3,909	2,712
1926	12,601	565	9,085	1,316	1,635	12,289	105	3,693	5,047	3,444
1927	11,443	168	8,882	1,163	1,230	13,519	199	3,893	5,279	4,148
1928	14,407	11	10,777	1,702	1,917	14,889	54	4,294	5,157	5,384
1929	16,667	7	12,390	2,160	2,110	14,777	8	3,639	4,797	6,333
Per cent distribution:										
1921	100.0	15	72	13		100.0	12	28	60	
1928	100.0	-------	75	12	13	100.0	-------	29	35	36
1929	100.0	-------	74	13	13	100.0	-------	25	32	43
North Atlantic ports:										
1925	24,069	1,501	7,756	6,224	8,588	20,817	2,504	2,595	7,891	7,827
1926	26,449	1,894	8,782	6,720	9,053	33,994	2,104	3,352	15,330	13,148
1927	25,860	1,358	10,400	5,955	8,147	18,648	2,234	2,972	6,447	6,995
1928	29,309	1,197	12,315	7,035	8,762	17,710	2,070	3,295	6,082	6,263
1929	33,807	1,278	14,224	8,436	9,869	16,278	1,896	2,976	5,499	5,907
South Atlantic ports:										
1925	2,082	96	821	339	826	1,082	94	314	293	381
1926	2,165	121	1,003	349	692	1,354	220	69	486	579
1927	1,577	138	655	285	499	1,126	231	48	286	561
1928	1,615	202	438	318	657	707	156	78	101	282
1929	1,630	34	755	228	613	916	45	231	262	378
Gulf ports:										
1925	8,539	312	5,051	1,071	2,105	12,420	2,093	2,264	3,334	4,729
1926	8,185	552	4,304	1,062	2,266	13,304	2,445	2,043	3,650	5,166
1927	6,094	412	2,919	850	1,914	13,935	2,849	2,034	3,476	5,576
1928	6,325	480	2,915	767	2,163	15,025	2,622	1,978	3,864	6,561
1929	6,754	508	3,286	994	1,966	16,075	2,557	2,115	4,480	6,823
Pacific ports:										
1925	2,602	376	558	889	779	8,355	933	2,144	2,744	2,534
1926	2,712	320	681	877	834	11,450	782	2,912	4,021	3,755
1927	2,835	287	911	865	772	13,316	871	3,386	4,810	4,249
1928	3,027	184	1,088	821	934	13,441	223	4,103	4,250	4,865
1929	3,185	4	1,324	752	1,105	13,593	20	4,060	3,738	5,775
Great Lakes ports:										
1925	5,843	-------	4,744	1,063	36	6,992	-------	2,775	4,124	93
1926	5,175	-------	3,447	1,594	34	8,038	-------	3,155	4,782	101
1927	5,817	-------	4,378	1,374	65	9,910	-------	4,070	5,709	131
1928	7,119	-------	5,368	1,650	101	11,946	-------	4,763	6,760	423
1929	5,609	-------	3,819	1,763	27	10,613	-------	3,921	6,645	47

Source: Bureau of Research, United States Shipping Board.

No. 497.—CARGO TONNAGE OF WATER-BORNE IMPORTS AND EXPORTS: BY REGIONS OF ORIGIN AND DESTINATION AND METHOD OF CARRIAGE

[In thousands of cargo tons of 2,240 pounds]

Foreign trade region	1926	1927	1928	1929—In vessels of—				
				Total	U. S. Shipping Board	Independent Amer.	British	Others
Imports, total	**44,686**	**42,183**	**47,385**	**50,985**	**1,823**	**23,408**	**12,174**	**13,580**
United Kingdom	1,946	1,385	1,662	1,589	109	139	1,119	222
North Atlantic and Baltic Europe	1,014	1,231	1,028	1,567	11	203	51	1,302
Havre-Hamburg range	4,498	3,481	3,985	3,650	830	269	433	2,118
South Atlantic Europe	564	399	565	622	34	17	400	171
West Mediterranean	1,192	1,174	1,172	1,023	41	194	203	585
East Mediterranean and Black Sea	420	420	299	689	-------	80	342	267
West Indies	8,042	7,763	9,841	12,480	-------	6,961	2,260	3,259
Mexico	8,375	5,476	3,749	2,537	-------	1,845	259	433
Central America	1,177	1,344	1,516	1,546	-------	481	147	918
North Coast South America	1,703	3,075	5,222	6,992	-------	5,228	635	1,129
East Coast South America	1,682	1,720	1,521	1,754	285	497	588	444
West Coast South America	2,901	2,617	3,006	3,429	-------	1,759	713	957
West Africa	260	259	216	289	13	124	97	55
South and East Africa	243	247	231	280	-------	75	205	-------
Australasia	108	131	156	257	64	28	139	26
East Indies	550	547	704	950	6	173	550	221
East Asia	1,249	1,391	1,566	1,799	255	600	202	742
India, Persian Gulf, and Red Sea	794	730	868	1,007	175	186	608	38
Pacific Canada	1,350	1,321	1,295	1,237	-------	607	574	56
Atlantic Canada and Newfoundland	6,628	7,403	8,793	7,278	-------	3,942	2,699	637
Exports, total	**63,140**	**56,935**	**58,829**	**57,475**	**4,618**	**13,303**	**20,624**	**18,930**
United Kingdom	19,505	8,634	8,199	7,952	1,358	430	4,806	1,358
North Atlantic and Baltic Europe	1,703	2,007	1,897	1,900	17	139	201	1,543
Havre-Hamburg range	8,525	9,252	8,901	8,842	1,883	380	1,563	5,016
South Atlantic Europe	2,055	1,365	1,354	874	136	13	232	493
West Mediterranean	4,434	2,864	2,706	2,883	529	126	190	2,038
East Mediterranean and Black Sea	829	527	553	661	65	151	138	307
West Indies	3,142	3,245	3,247	3,541	-------	1,479	911	1,151
Mexico	593	514	494	602	-------	374	16	212
Central America	1,755	2,084	1,917	1,380	-------	1,121	26	242
North Coast South America	539	424	581	488	-------	232	29	227
East Coast South America	4,945	3,777	3,151	2,906	300	616	1,172	818
West Coast South America	1,306	1,270	1,516	1,617	-------	887	360	390
West Africa	474	290	281	249	9	117	93	30
South and East Africa	332	456	460	553	6	68	420	59
Australasia	1,740	1,984	1,779	1,946	66	258	1,040	582
East Indies	406	403	410	497	4	130	165	198
East Asia	5,407	5,613	6,989	6,944	210	1,605	1,436	3,693
India, Persian Gulf, and Red Sea	401	465	303	311	35	47	213	16
Pacific Canada	854	910	1,068	1,229	-------	811	388	30
Atlantic Canada and Newfoundland	9,135	10,871	13,023	12,091	-------	4,339	7,225	527

Foreign trade region	Ocean-borne imports, 1929				Ocean-borne exports, 1929			
	North Atlantic	South Atlantic	Gulf	Pacific	North Atlantic	South Atlantic	Gulf	Pacific
Total	**33,807**	**1,630**	**6,754**	**3,185**	**16,279**	**915**	**16,075**	**13,693**
United Kingdom	1,338	25	136	80	2,028	212	3,035	2,077
North Atlantic and Baltic Europe	1,450	13	36	66	750	94	998	58
Havre-Hamburg range	2,158	400	577	508	3,159	245	4,506	930
South Atlantic Europe	596	10	12	4	264	4	544	62
West Mediterranean	903	29	66	25	1,254	28	1,522	79
East Mediterranean and Black Sea	672	1	16	-------	406	4	234	17
West Indies	9,440	498	2,495	47	1,833	83	1,553	72
Mexico	1,374	120	921	122	161	-------	151	260
Central America	679	23	715	129	454	3	357	575
North Coast South America	6,064	108	797	23	357	15	111	5
East Coast South America	1,434	15	243	72	1,543	128	807	428
West Coast South America	2,529	360	360	180	343	1	68	1,205
West Africa	270	-------	19	-------	200	3	46	-------
South and East Africa	267	1	12	-------	324	-------	173	56
Australasia	182	2	13	60	375	-------	211	1,360
East Indies	709	-------	52	99	280	12	-------	205
East Asia	881	-------	83	835	1,058	83	871	4,932
India, Persian Gulf, and Red Sea	796	14	143	54	214	-------	45	52
Pacific Canada	358	-------	11	868	16	-------	23	1,190
Atlantic Canada and Newfoundland	1,617	11	47	13	660	-------	820	-------

Source: Bureau of Research, United States Shipping Board.

No. 498.—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		
	1927	1928	1929	1927	1928	1929
Grand total	42,182,967	47,395,432	50,985,224	56,935,465	58,829,394	57,475,357
United Kingdom	1,384,559	1,662,074	1,588,992	8,634,499	8,199,134	7,952,079
England	1,177,876	1,214,635	1,207,356	7,521,564	7,077,398	6,895,582
Ireland	5,537	2,854	4,326	410,114	403,766	447,416
Scotland	87,225	190,547	187,463	583,439	604,512	535,566
Wales	113,921	254,038	189,847	119,382	113,458	73,515
North Atlantic and Baltic Europe	1,230,983	1,027,956	1,568,824	2,007,297	1,897,377	1,899,633
Greenland	6,111	6,360	6,200	----------	10	16
U. S. S. R. (Russia)	14,202	47,710	76,888	123,680	128,849	132,337
Finland	104,218	129,808	173,511	92,173	102,737	103,062
Norway	351,049	197,345	323,813	337,766	260,892	253,608
Sweden	588,918	592,384	909,477	424,731	500,722	443,353
Denmark	35,086	38,559	56,389	884,678	736,942	738,144
Danzig	27,760	11,870	14,284	95,022	126,303	140,697
Germany	885	626	----------	30,457	17,293	51,402
Estonia	----------	730	----------	2,427	3,543	----------
Latvia	----------	----------	----------	15,763	19,949	12,235
Lithuania	2,754	1,071	3,833	600	5,137	23,520
Havre-Hamburg range	3,481,007	3,985,297	3,650,352	9,251,960	8,901,028	8,841,917
Germany	1,021,047	1,246,234	1,363,396	3,013,272	3,711,828	3,633,697
Netherlands	703,482	876,062	797,890	2,721,748	2,599,931	2,277,009
Belgium	1,373,980	1,482,203	1,242,365	1,634,446	1,483,425	1,338,023
France	382,498	380,708	246,701	982,494	1,105,844	1,593,183
South Atlantic Europe	399,159	565,383	623,394	1,365,149	1,353,747	874,429
France	47,433	40,129	43,900	937,141	915,896	385,215
Portugal	33,740	55,711	73,784	175,041	121,070	110,386
Spain	317,316	468,955	504,139	202,615	237,959	208,941
Azores Islands	227	403	413	4,938	12,805	13,680
Canary Islands	439	110	157	38,639	59,299	60,046
Madeira	4	15	1	6,775	6,718	6,161
West Mediterranean	1,173,381	1,172,442	1,023,363	2,863,723	2,705,672	2,882,541
Spain	161,241	172,781	194,884	301,506	382,431	389,023
France	80,602	85,838	96,013	625,735	532,791	502,547
Italy	427,496	427,833	499,403	1,761,379	1,613,945	1,752,454
Yugoslavia	32,893	19,462	13,035	340	12,822	18,985
Malta	269	56	67	11,703	10,088	19,443
Tunis	109,954	97,327	26,837	23,208	30,687	30,869
Algeria	361,335	369,145	192,541	110,645	106,866	159,371
Morocco	91	----------	1	29,207	16,142	9,849
East Mediterranean and Black Sea	429,331	299,461	688,964	526,412	552,574	660,936
Rumania	4,271	2,547	2,937	13,313	23,182	20,693
U. S. S. R. (Russia)	261,058	151,283	479,838	45,060	40,803	93,760
Turkey	40,112	40,687	41,973	16,907	32,084	24,333
Cyprus	3,639	3,116	4,032	----------	126	388
Greece	36,537	38,727	58,249	289,220	253,158	294,241
Egypt	79,316	57,858	86,834	137,774	164,709	195,009
Palestine	179	134	5,104	6,120	9,786	10,126
Syria	3,728	5,063	8,384	18,018	28,439	22,068
West Indies	7,762,132	9,840,772	12,479,722	3,245,247	3,247,062	3,540,968
Cuba	4,924,189	4,627,572	5,932,546	2,306,626	2,049,079	2,127,758
Jamaica	372,055	271,122	272,690	135,419	153,068	179,152
Bahama Islands	14,612	24,865	24,837	37,764	39,330	34,855
Haiti	30,984	28,690	36,260	96,467	109,215	72,639
Dominican Republic	115,488	160,087	146,391	151,674	129,831	123,959
Lesser Antilles	2,301,834	4,718,414	6,061,229	468,227	725,741	965,526
Bermudas	2,970	10,022	5,769	49,070	40,798	37,079
Mexico	5,475,758	3,748,757	2,536,705	514,332	493,800	602,179
Central America	1,342,613	1,515,912	1,546,085	2,084,366	1,917,132	1,389,205
British Honduras	104,089	60,450	79,358	15,472	12,902	12,900
Guatemala	201,893	200,212	202,121	78,503	172,094	119,604
Honduras	515,884	725,579	755,603	139,502	144,442	92,287
Nicaragua	145,427	138,432	145,847	55,690	63,050	54,037
Costa Rica	156,374	157,659	120,678	45,438	62,990	40,982
Panama	43,289	40,456	39,960	8,100	21,539	9,809
Canal Zone	169,974	181,141	180,870	1,687,999	1,381,375	987,333
Salvador	5,683	11,983	12,648	53,662	58,740	71,153

No. 498.—Cargo Tonnage of Water-Borne Imports and Exports: By Trade Regions and Individual Countries—Continued

Foreign origin or destination	Imports			Exports		
	1927	1928	1929	1927	1928	1929
North Coast South America	3,074,799	5,221,744	6,991,897	424,312	581,158	488,063
Venezuela	1,542,094	3,178,714	4,871,067	214,633	287,851	265,912
British Guiana	162,433	178,078	173,202	26,877	26,279	17,794
Netherlands Guiana	162,370	182,212	218,057	21,477	19,636	15,889
French Guiana		9	9	2,502	2,352	2,528
Colombia	1,207,902	1,682,731	1,729,562	158,823	245,040	186,940
East Coast South America	1,719,786	1,521,146	1,763,717	3,776,428	3,151,058	2,905,506
Brazil	736,642	728,863	784,645	1,152,179	1,019,406	992,102
Uruguay	44,890	44,591	56,503	504,870	354,830	300,351
Argentina	925,416	732,314	914,599	2,110,337	1,762,086	1,613,053
South Atlantic Islands	12,838	15,378	7,970	9,042	14,736	
West Coast South America	2,617,078	3,005,622	3,429,484	1,269,770	1,516,343	1,617,259
Colombia	12,911	20,180	20,438	53,629	71,637	52,076
Chile	2,274,196	2,635,673	2,926,790	861,220	1,158,371	1,238,852
Peru	310,557	229,631	329,365	314,557	258,561	288,337
Ecuador	19,414	120,138	152,891	40,355	27,774	37,994
West Africa	259,089	215,842	288,717	289,563	281,323	249,155
Morocco	18,067	33,806	36,808	34,388	34,613	45,756
Cape Verde Islands	212	112	67	28,852	9,305	2,832
Senegal	3,233	2,040	5,120	31,466	34,483	16,008
Gambia				1,981	2,561	1,811
Sierra Leone	1,169	469	899	9,726	9,669	6,264
Liberia	384	1,009	371	4,583	4,081	2,849
Ivory Coast	35,970	19,597	22,997	6,849	8,174	8,895
Gold Coast	136,537	91,648	116,363	55,809	63,468	61,121
Togo	211		54	4,122	4,640	4,296
Dahomey	2,327	1,928	2,077	6,483	5,997	5,963
Nigeria	45,913	42,921	87,011	67,876	60,169	45,675
Cameroon	715	1,996	2,706	5,813	6,992	5,432
Gabon	60		18	1,963	3,474	2,982
Belgian Congo	13,411	21,096	13,133	12,924	13,361	11,371
Southwest Africa	690		1,000	5,977	7,635	6,250
Angola	14	22	1	6,382	8,035	9,685
South and East Africa	247,506	231,379	280,707	455,797	460,386	553,554
Union of South Africa	46,983	31,971	42,218	304,477	321,047	380,829
Mozambique	192,632	181,974	231,874	107,308	93,681	122,494
British East Africa	[1] 6,876	[1] 15,477	[1] 5,281	[1] 24,838	[1] 28,744	[1] 29,155
Madagascar	1,014	1,462	263	5,685	7,401	10,669
Mauritius Island	1	206	126	10,576	7,610	6,680
Australasia	131,428	156,449	256,632	1,964,047	1,779,095	1,948,361
New Zealand	50,854	59,746	65,837	443,711	474,020	504,824
Australia	41,501	57,592	103,398	1,468,805	1,254,187	1,391,862
Fiji Islands	4,256	2,558	15,276	5,247	8,541	7,820
New Caledonia	11,907	7,868	23,510	4,680	5,654	6,603
Society Islands	12,470	9,880	11,893	10,132	8,696	10,921
Cook Islands	813	1,717	916	450	355	418
Tasmania	528	203	149	13,184	17,028	16,432
New Guinea	2,206	7,785	23,179	6,847	3,604	3,068
East Indies	546,849	703,490	950,262	403,358	409,558	497,248
Straits Settlements	344,005	354,568	491,787	125,098	92,842	103,151
French Indo-China and Siam	326	160	86	37,741	40,069	73,083
Sumatra	58,326	88,520	87,010	43,026	50,344	75,063
Java	121,435	228,938	334,595	163,022	196,075	229,706
Borneo	5,103	5,211	4,938	28,570	17,576	4,349
Celebes	17,654	23,490	25,969	5,901	10,697	7,542
East Asia	1,390,691	1,566,382	1,798,761	5,612,671	6,989,147	6,944,028
China	259,448	279,136	203,372	1,278,155	1,808,044	1,980,475
U. S. S. R. (Russia)	525	250	178	925	4,467	6,688
Japan	288,252	318,662	418,392	3,794,396	4,584,274	4,262,874
Philippine Islands	842,466	968,334	1,116,819	539,195	592,362	693,991
India, Persian Gulf, and Red Sea	730,289	867,833	1,006,562	464,945	302,829	310,530
Egypt	7,449	7,102	85,926	1,895	2,022	1,500
Iraq	20,118	35,052	28,947		63	
Aden	4,520	5,430	9,705	7,292	3,890	2,898
Arabia	612	200	195	1,811	2,231	2,002
Anglo Egyptian Sudan	6,004	9,021	5,477	415	1,386	2,075
India	617,420	734,836	789,671	417,425	244,620	266,496
Ceylon	74,166	76,192	86,041	36,107	48,608	28,833
Canada	8,786,049	10,087,491	8,515,084	11,781,589	14,090,971	13,319,766
Pacific	1,321,352	1,294,979	1,236,705	999,988	1,067,774	1,228,756
Atlantic and Newfoundland	1,647,005	1,673,224	1,669,131	961,812	1,077,189	1,478,103
Great Lakes	5,817,692	7,119,288	5,609,248	9,909,789	11,946,008	10,612,907

[1] Kenya and Tanganyika Territory only.

Source: Bureau of Research, United States Shipping Board.

No. 499.—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 not shown

State and port	Imports			Exports		
	1927	1928	1929	1927	1928	1929
North Atlantic District	25,779,559	28,444,626	33,807,315	18,627,139	17,027,020	16,278,871
Maine, total	694,023	568,526	689,886	154,599	114,141	99,955
Portland	648,195	521,214	637,199	154,599	111,841	96,455
New Hampshire: Portsmouth	39,230	14,545	62,540	13	143	71
Vermont			1,329			
Massachusetts, total	3,072,665	3,298,218	3,600,503	263,839	367,094	310,453
Boston	2,214,400	2,149,131	2,417,629	258,160	342,019	307,426
Everett	85,790	326,097	231,965		9,878	
Fall River	719,877	596,570	673,516	14	8,020	7
Rhode Island: Providence	316,817	270,421	551,674	234	292	2,638
Connecticut	49,098	41,089	58,763	2		
New York, total[1]	13,441,749	15,284,747	17,283,108	11,434,523	10,866,540	9,951,692
New York[1]	13,404,699	15,252,217	17,240,325	11,434,523	10,857,949	9,937,668
New Jersey: Paulsboro			10,468	27,464	15,199	19,580
Delaware, total	342,996	553,224	457,595	11,565	769	6,868
Claymont	147,758	124,402	126,104			
Wilmington	195,238	428,822	331,491	11,565	769	6,868
Pennsylvania, total	2,764,509	3,561,880	4,662,835	2,052,581	1,748,821	1,918,415
Chester	223,410	228,441	153,493	55,745	27,033	197,946
Marcus Hook		128,066	56,979	75,501	116,400	101,491
Philadelphia[1]	2,541,099	3,205,373	4,452,363	1,921,335	1,605,388	1,618,978
Maryland: Baltimore	4,452,413	4,324,637	5,696,641	1,922,194	1,562,387	1,440,382
District of Columbia			585			
Virginia, total	606,059	527,339	727,388	2,760,125	2,351,034	2,528,817
Newport News	161,357	68,752	125,737	850,664	679,113	855,447
Norfolk	444,702	458,587	601,651	1,909,461	1,672,521	1,670,491
South Atlantic District	1,569,290	1,595,488	1,630,332	1,121,175	692,542	915,813
North Carolina: Wilmington	151,662	254,799	226,593	32,954	23,749	24,883
South Carolina, total	653,795	597,418	424,758	357,821	157,082	182,696
Charleston	653,795	597,418	424,758	357,821	157,070	180,352
Georgia, total	376,784	388,667	499,598	470,017	277,077	414,618
Brunswick	56,298	49,610	42,239	50,877	41,666	61,376
Savannah	320,486	339,057	457,359	419,140	235,411	352,242
Florida, east coast, total	387,049	354,604	470,383	260,383	234,634	293,616
Fernandina	136			123,180	68,106	55,919
Jacksonville	326,533	247,455	385,090	120,716	139,796	218,061
Miami	60,380	106,939	93,693	15,699	26,317	17,423
Gulf District	6,072,998	6,298,657	6,753,727	13,909,798	14,902,417	16,074,873
Florida, west coast, total	401,216	415,979	468,921	1,358,782	1,299,966	1,702,970
Boca Grande	1	3,288		84,106	78,862	109,743
Key West	147,867	135,226	148,042	269,700	215,008	240,596
Pensacola	77,339	136,969	160,370	248,238	220,173	229,356
Tampa	176,009	140,496	154,509	725,673	700,000	1,103,387
Alabama: Mobile	346,188	475,123	412,751	647,047	649,228	590,420
Mississippi, total	27,443	40,889	49,764	356,800	308,608	281,821
Gulfport	27,443	40,889	49,764	348,940	303,058	276,759
Louisiana, total	4,462,455	4,482,970	4,571,396	4,671,318	5,001,386	5,263,148
Baton Rouge	243,249	220,123	360,370	1,069,984	1,006,297	1,044,929
Lake Charles	98	4,378	20,042	1,491	39,903	76,584
New Orleans	4,195,596	4,258,469	4,146,327	3,539,340	3,920,662	4,061,470
Texas, total	835,696	883,696	1,250,895	6,875,849	7,643,229	8,236,514
Beaumont	6,929	5,597	9,454	703,545	692,386	531,591
Corpus Christi	5,346	7,539	7,410	77,142	209,335	625,032
Freeport	54,236			233,539	186,931	268,609
Galveston	393,766	317,484	345,977	1,843,288	1,633,691	1,874,286
Houston	192,311	306,256	365,832	2,606,647	3,530,377	3,575,044
Orange	*8,801*	*10,562*	*14,140*	*88,398*	*85,761*	*51,559*
Port Arthur	87,880	167,878	431,534	1,082,579	1,054,520	1,127,755
Sabine				6,000	2,850	40,450
Texas City	86,427	68,380	67,493	219,579	226,354	117,486

[1] Includes commerce of New Jersey ports which enters or clears through this customhouse.

No. 499.—Cargo Tonnage of Water-Borne Imports and Exports: By States and Individual Ports—Continued

State and port	Imports			Exports		
	1927	1928	1929	1927	1928	1929
Pacific District	2,785,792	3,026,486	3,184,602	13,320,981	13,412,108	13,592,893
California, total	1,522,343	1,766,722	1,909,998	8,563,387	8,793,298	8,885,094
Eureka				93,845	38,219	57,712
Los Angeles	510,657	601,491	684,762	5,663,401	5,738,897	6,054,084
San Diego	30,658	24,079	31,392	5,381	3,862	8,036
San Francisco [2]	981,020	1,139,000	1,193,824	2,313,630	2,541,806	2,482,403
Port San Luis	8		20	465,874	438,508	262,833
Oregon, total	133,085	125,771	113,811	1,974,750	1,785,804	1,827,217
Astoria		1,192	240	82,413	151,102	132,557
Coos Bay [3]				93,527	150,379	120,340
Portland	125,729	121,967	108,871	1,649,813	1,309,967	1,376,761
Prescott				22,720	26,601	34,665
Wauna				41,508	59,229	92,908
Westport				41,971	29,613	39,665
Washington, total	1,130,364	1,133,993	1,160,793	2,782,844	2,833,006	2,880,582
Anacortes	113,655	82,920	76,089	60,920	44,432	36,346
Bellingham	35,585	15,808	17,642	98,678	98,822	81,585
Everett	15,622	4,255	8,227	186,519	234,939	217,098
Grays Harbor [4]	575	1,828	1,960	652,300	601,555	610,767
Longview		152	1,355	90,332	121,833	128,211
Olympia	1,882	701	121	127,709	195,143	228,615
Port Angeles	99,567	115,272	154,026	28,730	22,725	40,850
Port Townsend	2,575	12,834	44,792	4,236	9,793	9,359
Seattle	454,984	448,519	444,731	804,309	720,079	718,424
Tacoma	391,321	386,038	390,962	586,986	600,595	666,743
Vancouver				25,206	28,125	
Willapa Harbor [5]				19,053	19,101	31,835
Great Lakes District	5,317,674	7,109,251	5,609,248	9,922,342	11,942,470	10,612,907
New York, total	4,209,551	5,304,690	2,931,867	2,486,707	3,485,302	2,814,430
Buffalo	3,681,624	4,833,615	2,464,750	1,587,467	1,866,973	728,101
Ogdensburg	193,450	154,250	148,470	1,990	209	
Oswego	26,028	900	7,747	70,314	47,517	42,139
Rochester	140,066	183,740	137,918	675,534	1,069,491	1,179,448
Sodus Point				136,925	486,646	827,135
Tonawanda	37,242	43,695	25,168			3,076
Waddington	118,400	138,942	108,579			
Pennsylvania: Erie	232,248	74,225	100,392	92,928	26,745	96,841
Ohio, total	463,866	641,238	704,172	4,250,493	5,071,143	5,074,832
Ashtabula				361,762	546,313	255,499
Cleveland	157,842	163,123	148,340	216,394	203,170	616,027
Conneaut				84,489	93,102	159,592
Fairport	137,454	284,479	24,120	231,805	1,016,586	505,830
Lorain	2,982	2,982	13,775	392,559	341,971	498,167
Sandusky	102,087	80,905	51,132	1,090,975	999,399	1,185,639
Toledo	63,501	109,749	466,005	1,863,509	1,870,602	1,825,674
Indiana	23	1,500	1,786	15,020	44,057	51,198
Illinois: Chicago	80,559	225,015	305,389	336,819	172,244	136,499
Michigan, total	611,402	603,527	1,350,389	630,801	954,739	775,622
Algonac				65,238	71,245	44,165
Bay City	18,243	21,361	631,369	1		95
Calcite				125,416	43,779	42,265
Detroit	459,404	416,997	774,930	283,889	212,011	178,579
Escanaba	2,846			115,500	366,065	369,305
Marquette						107,400
Muskegon	37,232	48,470	34,800	2,574		2,550
Wyandotte	30,185	49,431	117,686		2,930	5,183
Wisconsin, total	184,032	140,625	167,787	1,316,710	1,562,891	1,410,243
Ashland	143,734	100,000	120,000	98,702	186,392	220,510
Milwaukee	12,689	11,441	10,352	49,056	23,743	23,952
Superior	1,340	5,300	5,768	1,168,197	1,346,506	1,152,067
Minnesota, total	35,993	58,431	47,466	783,864	625,349	253,242
Duluth	35,993	58,431	47,466	783,864	599,154	250,692

[2] Includes all ports within San Francisco Bay.
[3] Includes Marshfield.
[4] Includes Aberdeen and Hoquiam.
[5] Includes Raymond and South Bend.

Source: Bureau of Research, United States Shipping Board.

No. 500.—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	1926	1927	1928	1929					
				Total	North Atlantic	South Atlantic	Gulf	Pacific	Great Lakes
Imports, total	**44,686**	**42,183**	**47,305**	**50,985**	**33,807**	**1,630**	**6,754**	**3,185**	**5,609**
Wheat	3,150	3,475	4,430	2,195	2	-------	1	-------	2,192
Other grains	604	623	778	316	24	-------	1	22	269
Oil seeds	563	506	437	663	632	-------	5	23	3
Vegetable oils	-------	345	383	532	395	-------	49	88	-------
Vegetables and vegetable products, n. e. s.	826	651	777	884	626	18	50	190	-------
Animal, fish and dairy products	278	389	412	440	319	3	36	81	1
Bananas	1,321	1,531	1,656	1,743	880	27	754	82	-------
Coconuts and copra	266	264	309	327	85	-------	53	189	-------
Other fruits and nuts	301	276	328	295	218	-------	48	29	-------
Sugar	4,058	3,500	3,380	4,399	3,198	196	897	105	3
Molasses	1,330	1,195	1,334	1,567	819	6	722	20	-------
Coffee	668	667	681	690	415	7	189	79	-------
Cocoa	187	198	173	229	222	-------	1	6	-------
Tobacco and manufactures	48	58	50	45	38	-------	4	3	-------
Cotton	90	93	74	99	92	-------	-------	7	-------
Cotton manufactures	108	98	96	83	46	3	2	32	-------
Wool	140	110	103	114	102	-------	-------	12	-------
Wool manufactures	37	34	35	28	26	-------	-------	2	-------
Silk	20	20	32	37	3	-------	-------	34	-------
Silk manufactures	38	37	21	16	12	-------	-------	4	-------
Jute	76	103	98	92	89	1	-------	2	-------
Jute manufactures	349	319	350	328	229	5	75	19	-------
Other vegetable fibers and grasses	335	300	360	363	190	11	94	54	14
Textiles and manufactures, n. e. s.	74	107	84	90	73	1	3	10	3
Hides, skins and manufactures	169	192	235	248	243	-------	-------	5	-------
Furs and fur skins	16	14	14	13	12	-------	-------	1	-------
Rubber	433	459	481	566	532	-------	-------	34	-------
Pulp wood and wood pulp	1,791	2,051	2,081	2,144	1,300	1	7	49	787
Paper stock, n. e. s.	245	175	223	236	207	5	2	22	-------
Paper and manufactures	381	445	468	467	184	18	70	107	88
Clays	423	352	320	346	324	-------	3	12	7
Clay and manufactures	298	203	244	143	91	-------	7	45	-------
Coal and coke	1,109	449	620	665	539	-------	-------	126	-------
Petroleum and products	11,138	10,036	12,844	14,833	12,266	509	2,034	7	17
Gypsum	716	753	939	930	846	-------	3	81	-------
Pyrites	371	283	460	509	446	10	-------	53	-------
Non-metallic minerals, n. e. s.	-------	1,830	1,855	3,068	608	24	90	273	2,073
Iron ores	2,698	2,797	2,611	3,430	3,378	5	37	10	-------
Manganese and manganese ore	675	616	526	760	718	-------	31	6	5
Iron and steel and manufactures	1,028	722	792	706	391	9	118	157	31
Copper and manufactures	540	564	557	584	341	-------	-------	243	-------
Miscellaneous metals and mfrs.	710	728	734	752	278	-------	349	125	-------
Logs and lumber	1,693	1,576	1,404	1,541	924	3	111	421	82
Dyeing and tanning materials	182	197	219	166	144	-------	19	3	-------
Potash	781	542	757	755	291	290	162	10	2
Nitrates	933	829	1,173	1,094	222	398	400	74	-------
Other fertilizers	129	136	268	262	93	50	75	44	-------
Pigments, chemicals and mfrs., n. e. s.	586	645	658	671	324	29	234	83	1
All others	2,714	510	531	521	370	1	18	101	31
Exports, total	**68,140**	**56,935**	**58,829**	**57,475**	**16,279**	**915**	**16,075**	**13,693**	**10,613**
Wheat	6,768	7,610	6,324	4,509	1,867	-------	924	643	1,075
Rye	365	1,019	441	76	14	-------	1	-------	61
Corn	330	295	664	689	213	-------	407	6	63
Barley	723	1,250	1,050	955	447	-------	67	216	225
Oats	-------	152	185	117	55	-------	12	1	49
Rice	-------	144	165	165	9	-------	105	51	-------
Other grains	482	138	127	108	48	1	46	11	2
Wheat flour	1,395	1,401	1,352	1,431	719	1	267	443	1
Oil-cake and meal	-------	714	512	548	332	10	174	31	1
Vegetables and vegetable products, n. e. s.	908	343	277	234	179	3	23	28	1
Animal, fish and dairy products	790	746	753	774	522	5	114	133	-------
Fruits and nuts	694	745	827	790	268	7	10	505	-------
Sugar	121	167	190	121	105	1	11	4	-------
Naval stores	290	391	264	374	10	287	72	5	-------
Tobacco and manufactures	271	272	324	286	235	4	36	11	-------
Cotton	2,049	2,125	1,902	1,736	65	148	1,429	94	-------
Cotton manufactures	85	103	77	66	52	9	4	1	-------
Other textiles and manufactures	9	103	100	111	94	-------	14	3	-------
Hides, skins, and manufactures	39	29	28	21	16	-------	-------	5	-------
Rubber and manufactures	35	59	70	83	65	-------	4	14	-------
Paper stock and manufactures	-------	186	230	279	134	5	23	114	3

No. 500.—Cargo Tonnage of Water-Borne Imports and Exports: By Major Commodities and by Coastal Districts—Continued

Commodity	1926	1927	1928	1929					
				Total	North Atlantic	South Atlantic	Gulf	Pacific	Great Lakes
Exports—Continued.									
Coal and coke	24,711	8,409	9,074	9,992	2,495	84	101	16	7,296
Petroleum and products	14,959	16,512	17,864	17,944	2,925	4	7,573	7,294	148
Sulphur	567	799	655	852	27	-------	808	2	15
Cement	152	131	128	111	78	1	28	4	-------
Nonmetallic minerals and mfrs., n. e. s.	-------	442	742	433	106	21	59	67	180
Iron ores	814	744	971	1,255	2	-------	-------	-------	1,253
Iron, steel, and manufactures	1,528	1,552	1,903	1,972	1,223	82	375	82	210
Machinery	494	492	604	706	603	1	64	28	10
Vehicles	577	654	969	1,046	1,009	-------	7	29	1
Copper and manufactures	394	443	457	387	304	-------	10	72	1
Ores, metals and manufactures, n. e. s.	-------	281	308	297	109	-------	157	31	-------
Logs and lumber	4,750	5,430	5,617	5,583	186	177	1,888	3,326	6
Phosphates	759	924	833	1,122	28	58	1,036	-------	-------
Other fertilizers	249	220	199	268	203	-------	35	30	-------
Pigments, chemicals and mfrs., n. e. s.	348	454	497	533	296	-------	112	124	1
All others	2,484	1,456	1,450	1,501	1,236	6	79	169	11

Source: Bureau of Research, United States Shipping Board.

No. 501.—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. 449. 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	
	Seaports	Other ports	Seaports	Other ports
1840 [1]	1,788	501	1,861	492
1850	3,169	1,179	3,167	1,194
1860	5,000	3,275	5,257	3,533
1870	6,270	2,886	6,362	2,807
1871–1875	8,462	2,997	8,514	2,994
1876–1880	12,134	2,702	12,197	2,807
1881–1885	13,004	2,931	13,781	2,917
1886–1890	13,479	2,602	13,655	2,593
1891–1895	16,801	2,816	16,965	2,876
1896–1900	20,931	3,989	21,077	4,007
1901–1905	24,551	5,939	24,633	5,918
1906–1910	29,651	8,071	29,166	8,036
1911–1915	36,035	11,879	35,954	12,061
1915–1920 [2]	38,071	13,440	40,187	13,511
1921–1925	52,959	13,334	53,578	13,075
1926–1930	63,708	15,293	64,441	15,319
1910–1914	35,212	11,408	34,965	11,614
1914–1920 [3]	37,604	13,169	39,417	13,190
1886	12,230	2,906	12,413	2,915
1887	13,532	2,284	13,511	2,242
1888	12,956	2,437	13,252	2,417
1889	13,312	2,640	13,672	2,671
1890	15,366	2,741	15,429	2,720
1891	15,394	2,810	15,411	2,850
1892	18,180	2,833	18,258	2,903
1893	16,679	2,903	16,825	2,936
1894	17,025	2,965	17,306	2,966
1895	16,725	2,570	17,024	2,727
1896	17,453	3,536	17,819	3,596
1897	20,003	3,757	19,878	3,831
1898	21,700	3,879	21,892	3,856
1899	21,963	4,148	22,177	4,089
1900	23,534	4,629	23,618	4,663
1901	24,791	4,977	24,889	4,931
1902	24,361	6,293	24,242	6,202
1903	24,698	6,396	24,823	6,493
1904	24,111	5,841	24,102	5,824
1905	24,793	6,190	25,020	6,138
1906	27,401	6,754	26,970	6,814
1907	29,248	7,374	28,499	7,491
1908	30,444	8,095	30,198	8,084
1909	30,243	8,815	29,604	8,592
1910	30,917	9,319	30,510	9,196
1911	32,457	10,218	32,299	10,138
1912	34,659	11,499	34,706	11,711
1913	37,973	12,666	37,566	13,586
1914	40,052	13,337	39,743	13,440
1915	35,032	11,678	35,458	11,427
1916	37,744	13,806	38,946	13,477
1917	36,521	13,951	38,094	13,983
1918	31,101	14,356	31,869	14,145
1918 (July–Dec.)	16,113	8,916	16,112	9,360
1919	36,881	10,320	40,750	10,506
1920	51,532	12,572	54,981	12,837
1921	49,958	12,327	50,423	12,242
1922	51,701	13,490	51,799	13,040
1923	52,775	13,544	53,215	13,409
1924	54,726	13,565	55,294	13,616
1925	55,636	13,742	57,160	13,069
1926	63,750	13,174	65,583	13,458
1927	58,921	15,389	59,759	15,682
1928	62,809	17,402	63,331	17,336
1929	66,852	15,749	67,030	15,313
1930	66,499	14,753	66,500	14,807

[1] Year ended Sept. 30.
[2] Average for period July 1, 1915 to Dec. 31, 1920.
[3] Average for period July 1, 1914, to Dec. 31, 1920.

Source: Bureau of Foreign and Domestic Commerce.

No. 502.—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 501

Customs district	1927		1928		1929		1930	
	Entered	Cleared	Entered	Cleared	Entered	Cleared	Entered	Cleared
Grand total	74,310	75,440	80,211	80,667	82,602	82,343	81,253	81,307
Seaports, total	58,921	59,759	62,809	62,381	66,853	67,030	66,499	66,590
North Atlantic coast, total	28,345	26,532	31,071	29,048	32,670	30,784	32,954	30,954
Maine and New Hampshire	677	599	623	520	652	540	899	655
Massachusetts	4,397	2,884	4,257	2,846	4,335	3,105	4,088	2,907
Rhode Island	249	200	237	236	342	267	443	262
Connecticut	20	17	28	6	31	12	27	6
New York	20,558	21,327	22,873	23,607	23,954	24,376	24,548	25,213
Philadelphia	2,444	1,505	3,053	1,833	3,356	1,984	2,952	1,911
South Atlantic coast, total	4,896	6,642	4,607	6,070	5,520	6,640	5,428	6,015
Maryland	2,052	1,488	1,909	1,380	2,470	1,711	2,486	1,583
Virginia	887	2,722	551	2,383	830	2,409	713	1,956
North Carolina	65	46	170	74	136	85	139	88
South Carolina	482	408	416	343	337	235	337	254
Georgia	286	760	304	584	293	619	290	578
Porto Rico	1,124	1,218	1,257	1,306	1,454	1,582	1,463	1,556
Gulf coast, total	11,612	11,904	11,629	12,437	12,120	12,802	10,932	12,019
Florida	2,649	2,158	2,476	2,044	2,788	2,295	2,716	2,550
Mobile	689	914	659	852	582	783	548	655
New Orleans	5,189	4,535	5,119	4,695	5,358	5,008	4,575	4,209
Sabine	675	1,005	765	963	806	891	635	798
Galveston	2,410	3,292	2,610	3,883	2,586	3,825	2,458	3,807
Mexican border: San Antonio	101	29	210	61	265	260	171	127
Pacific coast, total	13,967	14,852	15,292	15,715	16,278	16,545	17,014	17,385
Washington	5,430	5,574	6,273	6,278	6,856	6,436	7,409	6,746
Oregon	960	910	927	976	929	939	533	709
San Francisco	1,811	2,365	1,906	2,457	2,075	2,529	2,092	2,414
Los Angeles	4,556	4,375	4,792	4,573	5,054	5,210	5,012	5,718
Alaska	333	255	362	267	321	239	301	235
Hawaii	877	1,173	942	1,164	1,043	1,192	1,319	1,411
San Diego							348	152
Northern border, total	15,389	15,681	17,402	17,336	15,749	15,813	14,753	14,807
Vermont	4	7	5	6	5	6	4	4
St. Lawrence	1,773	828	1,239	872	1,142	861	1,088	826
Rochester	2,675	2,727	3,372	3,422	3,482	3,558	3,014	3,029
Buffalo	3,534	2,147	4,122	2,000	2,289	1,158	2,384	1,103
Ohio	3,781	4,745	4,179	5,430	3,910	5,448	4,326	5,510
Michigan	2,146	2,179	2,053	2,600	2,289	2,371	2,092	2,440
Chicago	199	508	228	490	286	383	246	493
Wisconsin	477	538	410	430	536	340	487	440
Duluth and Superior	1,400	2,002	1,794	2,026	1,810	1,189	1,112	902

Yearly average or year	Atlantic coast		Gulf coast		Pacific coast		Mexican border, total	Northern border	
	Total	With cargo	Total	With cargo	Total	With cargo		Total	With cargo
Entrances:									
1901–1905	17,427	15,140	4,056	1,770	3,068	2,286	-------	5,939	2,602
1906–1910	20,921	18,494	5,159	2,420	3,570	2,707	-------	8,072	3,207
1911–1915	24,293	20,708	6,635	3,377	5,055	3,649	52	11,879	4,564
1915–1920[1]	24,581	16,094	7,939	4,646	5,487	4,329	64	13,440	5,646
1921–1925	30,979	27,133	12,390	8,243	9,562	6,070	28	13,334	6,476
1926–1930	36,884	33,003	11,634	7,415	15,100	8,247	150	15,293	7,700
1927	33,241	30,514	11,612	7,337	13,987	7,580	101	15,389	7,824
1928	35,678	33,438	11,629	7,020	15,292	8,249	210	17,402	8,571
1929	38,190	35,438	12,120	7,703	16,278	8,734	265	15,749	7,558
1930	38,382	35,594	10,932	6,932	17,014	9,674	171	14,753	7,418
Clearances:									
1901–1905	17,077	15,714	4,499	4,328	3,057	2,418	-------	5,918	3,825
1906–1910	20,162	18,659	5,477	5,187	3,517	2,922	-------	8,036	5,673
1911–1915	23,608	21,765	7,193	6,414	5,104	4,643	50	12,060	8,567
1916–1920[1]	25,021	23,168	8,528	6,915	5,626	4,762	62	13,511	9,637
1921–1925	30,837	24,284	12,833	9,589	9,880	8,360	28	13,075	9,236
1926–1930	36,361	28,696	12,326	10,041	15,659	13,148	95	15,319	10,504
1927	33,174	26,302	11,904	10,410	14,662	12,678	29	15,682	10,656
1928	35,118	27,488	12,437	10,879	15,715	13,184	61	17,336	11,898
1929	37,424	28,776	12,802	11,220	16,545	13,877	260	15,313	10,917
1930	36,969	28,379	12,019	10,594	17,385	14,406	127	14,807	9,809

[1] July 1, 1915, to Dec. 31, 1920.

Source: Bureau of Foreign and Domestic Commerce.

No. 503.—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 501]

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	3,395	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	3,816	15,050	14,184	4,682
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	29,650	1,816	27,834	23,621	6,029
1911–1915	38,951	47,914	12,205	35,709	25.5	36,035	1,574	34,461	27,778	8,257
1915–1920 [1]	42,713	51,511	21,999	29,512	42.7	38,071	1,899	36,173	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	45,840	79,062	30,314	48,748	38.3	63,768	472	63,296	48,710	15,058
1910–1914	38,038	46,619	11,328	35,291	24.3	35,212	1,558	33,654	28,096	7,116
1914–1920 [2]	42,257	50,773	20,657	30,116	40.7	37,604	1,853	35,750	24,938	12,666
1917	44,172	50,472	18,725	31,747	37.1	36,521	2,123	34,398	23,726	12,795
1918	40,512	45,456	19,284	26,172	42.4	31,101	1,789	29,312	21,147	9,954
1918 (July–Dec.)	23,032	25,029	11,006	14,023	44.0	16,113	932	15,181	9,649	6,464
1919	39,052	46,702	21,933	24,769	47.0	36,381	1,614	34,767	24,041	12,340
1920	45,637	64,104	32,119	31,985	50.1	51,531	1,847	49,684	35,387	16,144
1921	40,758	62,285	31,185	31,100	50.1	49,958	1,379	48,579	36,066	13,892
1922	40,926	65,191	31,738	33,453	48.7	51,701	1,104	50,597	43,219	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	43,450	12,186
1926	44,757	76,933	26,890	50,043	35.0	63,759	549	63,210	45,113	18,646
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	49,887	82,602	32,241	50,361	39.0	66,853	456	66,397	51,919	14,934
1930	44,076	81,253	31,866	49,387	39.2	66,499	373	66,126	52,298	14,201

Yearly average or year	Seaports—Continued					Northern border ports			
	American vessels		Foreign vessels		Per cent American	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	1,976	462	2,304
1891–1900	3,619	2,956	15,247	11,228	19.2	3,408	1,589	1,359	2,044
1901–1905	3,962	3,246	20,589	15,960	16.1	5,939	2,602	2,840	3,099
1906–1910	4,175	3,471	25,475	20,150	14.1	8,072	3,207	4,197	3,875
1911–1915	5,276	4,200	30,759	23,578	14.6	11,879	4,564	6,929	4,950
1915–1920 [1]	14,508	11,375	23,563	13,753	38.1	13,440	5,046	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	40,586	29,901	36.4	15,293	7,700	7,132	8,162
1910–1914	4,753	3,787	30,459	24,309	13.5	11,407	4,501	6,575	4,832
1914–1920 [2]	13,327	10,481	24,276	14,456	35.4	13,169	5,430	7,330	5,840
1917	10,898	8,942	25,623	14,784	29.8	13,951	6,796	7,827	6,124
1918	11,256	9,136	19,845	12,011	36.2	14,355	5,400	8,027	6,328
1918 (July–Dec.)	5,747	4,595	10,366	5,054	35.7	8,916	2,704	5,259	3,657
1919	16,224	12,294	20,157	11,747	44.6	10,321	3,763	5,709	4,612
1920	26,225	19,822	25,306	15,565	50.9	12,573	5,852	5,894	6,679
1921	24,402	18,620	25,556	17,446	48.8	12,327	5,072	6,783	5,544
1922	23,633	20,308	28,068	22,911	45.7	13,490	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	18,267	32,264	24,136	41.0	13,565	6,335	7,166	6,399
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	30,353	36.6	17,402	8,571	8,294	9,108
1929	25,208	20,541	41,645	31,378	37.7	15,749	7,558	7,034	8,716
1930	24,620	20,330	41,879	31,968	37.0	14,753	7,418	7,245	7,508

[1] Average for period July 1, 1915, to Dec. 31, 1920. [2] Average for period July 1, 1914, to Dec. 31, 1920.

Source: Bureau of Foreign and Domestic Commerce.

No. 504.—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 501]

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	10,473	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
1901–1905	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	48,015	12,512	35,503	26.1	35,955	1,654	34,301	32,827	3,128
1915–1920 [1]	42,687	53,647	23,005	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	53,578	984	52,594	42,233	11,345
1926–1930	44,082	79,760	30,709	49,050	38.5	64,441	467	63,973	52,581	11,860
1910–1914	37,883	46,579	11,590	34,989	24.9	34,965	1,620	33,345	32,024	2,941
1914–1920 [2]	42,141	52,607	21,529	31,078	40.9	39,417	2,010	37,407	34,394	5,023
1917	43,749	52,077	19,146	32,931	36.8	38,094	2,239	35,855	34,383	3,711
1918	39,893	46,014	19,206	26,808	41.7	31,869	1,925	29,944	28,125	3,744
1918 (July–Dec.)	22,580	25,472	11,223	14,249	44.1	16,112	1,011	15,101	13,594	2,518
1919	39,974	51,257	24,992	26,265	48.8	40,751	1,819	38,932	34,689	6,062
1920	46,447	67,817	34,053	33,764	50.2	54,980	2,009	52,971	45,687	9,293
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	11,506
1925	40,379	70,229	27,808	42,421	39.6	57,160	746	56,414	45,750	11,410
1926	43,951	79,041	28,532	50,509	36.1	65,583	566	65,017	54,237	11,346
1927	43,619	75,440	29,793	45,647	39.5	59,759	526	59,233	49,419	10,340
1928	46,201	80,667	31,734	48,933	39.3	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	31,560	49,747	38.8	66,500	386	66,114	53,507	12,993

Yearly average or year	Seaports—Continued					Northern border ports			
	American vessels		Foreign vessels		Per cent 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
1901–1905	4,000	3,284	20,633	19,176	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	12,060	8,567	7,161	4,909
1915–1920 [1]	15,455	11,505	24,681	23,346	38.5	13,511	9,637	7,550	5,962
1921–1925	22,556	14,977	31,022	28,057	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
1910–1914	4,778	4,109	30,187	27,915	13.7	11,614	8,380	6,812	4,802
1914–1920 [2]	14,171	10,611	25,245	23,783	36.0	13,190	9,279	7,358	5,832
1917	11,339	8,805	26,755	25,578	29.8	13,983	9,745	7,807	6,176
1918	11,280	8,491	20,589	19,634	35.4	14,145	10,200	7,926	6,219
1918 (July–Dec.)	5,614	3,537	10,498	10,057	34.8	9,360	7,433	5,609	3,751
1919	19,133	14,539	21,617	20,150	47.0	10,506	7,616	5,858	4,648
1920	27,875	20,188	27,106	25,499	50.7	12,837	9,365	6,179	6,658
1921	23,432	15,215	26,991	24,770	46.5	12,242	8,692	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	22,896	15,397	32,397	32,398	41.4	13,616	9,933	7,195	6,421
1925	21,394	14,948	35,766	30,802	37.4	13,068	8,805	6,414	6,654
1926	22,234	15,838	43,349	38,399	33.9	13,458	9,241	6,298	7,160
1927	22,078	16,524	37,681	32,895	36.9	15,682	10,656	7,716	7,966
1928	23,180	16,969	40,151	34,640	36.6	17,336	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	24,154	17,687	42,346	35,820	36.3	14,807	9,808	7,406	7,401

[1] Average for period July 1, 1915, to Dec. 31, 1920. [2] Average for period July 1, 1914, to Dec. 31, 1920.

Source: Bureau of Foreign and Domestic Commerce.

No. 505.—NET TONNAGE OF VESSELS ENTERED AND CLEARED AT SEAPORTS IN FOREIGN TRADE: BY COUNTRIES OF ORIGIN AND DESTINATION

NOTE.—In thousands of net tons. Only traffic by sea is included. First two columns cover years ended June 30, third column the period July 1, 1914, to Dec. 31, 1920, the others, calendar years. For definition of net tonnage see general note, p. 449

Country	1900–1909, average	1910–1914, average	1914–1920, average	1921–1925, average	1926–1930, average	1928	1929	1930
Total by sea:								
Entered	26,362	35,212	37,604	52,959	63,768	62,809	66,853	66,499
Cleared	26,206	34,965	39,417	53,578	64,441	63,331	67,030	66,500
Belgium:								
Entered	905	955	392	1,231	1,560	1,535	1,420	1,378
Cleared	901	1,039	452	1,190	1,280	1,254	1,319	1,313
Denmark:								
Entered	184	297	373	372	532	580	603	606
Cleared	362	305	498	460	686	728	775	687
France:								
Entered	611	1,047	2,251	1,953	2,321	2,375	2,194	2,384
Cleared	1,062	1,453	3,345	2,250	2,475	2,554	2,475	2,556
Germany:								
Entered	2,384	3,113	290	2,998	3,813	3,029	3,900	4,376
Cleared	2,773	3,474	298	3,165	3,714	3,446	4,005	4,370
Italy:								
Entered	1,097	1,305	2,171	1,707	2,101	2,177	2,349	1,980
Cleared	1,003	1,662	2,489	1,986	2,023	1,890	2,093	1,927
Netherlands:								
Entered	846	1,160	1,291	1,654	2,081	1,978	1,863	1,705
Cleared	1,206	1,521	1,459	1,464	1,499	1,672	1,371	1,344
Norway:								
Entered	----------	193	521	384	360	275	404	418
Cleared	----------	159	830	412	361	328	370	327
Spain:								
Entered	483	724	838	608	850	823	911	976
Cleared	265	337	490	463	612	617	682	641
Sweden:								
Entered	----------	68	240	504	681	651	735	761
Cleared	----------	66	440	353	498	518	518	528
United Kingdom:								
Entered	7,440	7,238	8,765	9,378	10,614	10,432	9,951	9,181
Cleared	7,153	7,162	8,164	8,647	10,577	9,648	9,529	9,430
Canada:								
Atlantic coast—								
Entered	1,355	1,479	1,092	1,201	1,607	1,661	1,774	1,837
Cleared	1,454	1,594	1,007	1,331	1,709	1,749	1,823	1,916
British Columbia—								
Entered	1,508	2,539	3,117	4,571	6,619	6,574	7,175	7,949
Cleared	1,509	2,589	3,094	4,573	6,556	6,546	6,860	7,447
Central America:								
Entered	799	1,879	1,535	1,734	2,391	2,454	2,540	2,518
Cleared	830	2,121	1,610	1,640	2,092	2,725	2,934	3,090
Mexico:								
Entered	856	1,789	3,788	8,160	2,840	2,165	2,034	1,893
Cleared	745	1,847	3,727	8,391	2,892	2,185	2,132	2,094
British West Indies and British Honduras:								
Entered	1,001	1,038	564	1,351	1,975	1,864	1,916	2,659
Cleared	982	1,181	642	1,435	2,214	2,027	2,241	2,832
Cuba:								
Entered	2,018	3,030	3,450	4,769	5,875	5,430	6,693	6,160
Cleared	1,766	2,449	3,560	4,659	5,832	5,277	6,771	6,197
Dominican Republic:								
Entered	111	179	345	380	713	771	826	833
Cleared	94	200	404	449	920	1,047	1,070	1,006
Haiti:								
Entered	106	123	108	105	220	224	287	229
Cleared	81	124	186	230	204	181	249	215
Argentina:								
Entered	207	792	633	1,006	966	763	873	809
Cleared	328	619	762	707	997	1,004	1,029	815
Brazil:								
Entered	587	1,131	560	552	918	1,060	1,077	1,141
Cleared	253	558	841	913	1,252	1,208	1,247	1,042
Chile:								
Entered	206	462	353	975	1,387	1,438	1,580	1,422
Cleared	188	327	797	793	1,068	1,221	1,157	1,012
Colombia:								
Entered	195	199	231	144	958	1,064	1,112	1,313
Cleared	172	196	213	226	966	1,249	1,051	1,045
British East Indies:								
Entered	238	329	347	576	833	773	890	910
Cleared	107	131	204	330	428	379	427	482

No. 505.—Net Tonnage of Vessels Entered and Cleared at Seaports in Foreign Trade: By Countries of Origin and Destination—Contd.

Country	1900–1909, average	1910–1914, average	1914–1920, average	1921–1925, average	1926–1930, average	1928	1929	1930
China, Hong Kong, and Kwantung:								
Entered	346	442	519	959	1,044	1,028	1,181	1,118
Cleared	389	391	479	963	874	1,034	992	600
Japan:								
Entered	441	646	733	1,607	2,320	2,496	2,481	2,212
Cleared	351	542	796	2,106	3,284	3,438	3,443	3,682
Philippine Islands:								
Entered	63	85	132	408	611	530	626	683
Cleared	93	144	124	359	503	537	503	493
Oceania:								
Entered	256	238	379	509	931	930	1,023	1,013
Cleared	413	534	567	946	1,396	1,385	1,476	1,165
All other countries:								
Entered	2,117	2,725	2,094	3,165	6,649	6,820	8,436	8,035
Cleared	1,788	2,240	1,938	3,149	6,935	7,476	8,489	8,193

No. 506.—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 503 and 504 in which the columns for northern border represent trade with Quebec and Ontario. For periods covered see note, Table 505

	1900–1909, average	1910–1914, average	1914–1920, average	1921–1925, average	1926–1930, average	1928	1929	1930
Total by sea:								
Entered	26,362	35,212	37,604	52,959	63,768	62,809	66,853	66,499
Cleared	26,206	34,965	39,417	53,578	64,441	63,331	67,030	66,500
American:								
Entered	4,044	4,753	13,327	22,526	23,182	22,991	25,208	24,620
Cleared	4,023	4,778	14,171	22,556	23,338	23,180	25,045	24,154
Total foreign:								
Entered	22,318	30,459	24,276	30,433	40,586	39,818	41,645	41,879
Cleared	22,182	30,186	25,245	31,022	41,102	40,151	41,985	42,346
Belgian:								
Entered	262	412	269	332	374	367	312	356
Cleared	269	404	283	343	370	342	340	353
British:								
Entered	13,564	17,901	14,168	16,807	20,189	19,435	20,175	19,679
Cleared	13,422	17,814	14,755	17,064	20,291	19,559	20,193	19,628
Danish:								
Entered	398	472	774	929	1,136	1,185	1,184	1,058
Cleared	398	450	795	928	1,168	1,288	1,271	1,048
Dutch:								
Entered	667	1,004	1,007	1,300	1,798	1,735	1,761	2,090
Cleared	661	1,007	1,055	1,292	1,809	1,759	1,775	2,114
French:								
Entered	630	997	876	1,492	1,870	1,905	1,869	2,094
Cleared	642	990	919	1,518	1,905	1,943	1,913	2,066
German:								
Entered	3,160	4,362	107	847	2,654	2,676	3,062	3,615
Cleared	3,171	4,300	79	870	2,736	2,713	3,224	3,672
Italian:								
Entered	542	821	1,211	1,490	2,175	2,081	2,128	1,926
Cleared	538	850	1,366	1,569	2,150	1,973	2,072	1,883
Japanese:								
Entered	127	353	1,099	2,059	2,618	2,750	2,823	2,791
Cleared	107	244	1,046	2,235	2,741	2,831	2,780	2,959
Norwegian:								
Entered	1,941	2,679	2,744	2,817	4,026	4,143	4,393	4,242
Cleared	1,946	2,684	2,822	2,784	4,136	4,224	4,485	4,475
Spanish:								
Entered	424	413	606	480	571	467	530	494
Cleared	420	398	637	487	586	484	535	509
Swedish:								
Entered	62	70	353	564	985	945	1,069	1,124
Cleared	65	70	367	566	1,005	977	1,081	1,126
All other foreign:								
Entered	535	975	1,062	1,317	2,190	2,129	2,339	2,440
Cleared	542	977	1,122	1,366	2,206	2,108	2,316	2,513

Source of Tables 505 and 506: Bureau of Foreign and Domestic Commerce.

No. 507.—EXPORTS (INCLUDING REEXPORTS) AND IMPORTS OF MERCHANDISE: VALUE, BY METHOD OF CARRIAGE

NOTE.—**All figures except percentages expressed in millions of dollars.** Figures cover fiscal years ended Sept. 30, 1830 and 1840, and June 30, 1850 to 1915, 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 land vehicles [1]	Total	Total by water	In American vessels	In foreign vessels	By land vehicles [1]	Exports	Imports
1830 [2]	74	74	64	10	([3])	71	71	66	5	([3])	86.6	93.1
1840 [2]	132	132	106	27	([3])	107	107	93	14	([3])	80.0	87.6
1850 [2]	152	152	100	52	([3])	178	178	140	39	([3])	65.5	78.4
1860 [2]	400	400	279	121	([3])	362	362	228	134	([3])	70.0	63.0
1870 [2]	451	451	170	281	([3])	462	462	153	309	([3])	37.7	33.1
1871–1875 [2]	586	578	157	422	8	599	584	170	414	16	27.1	35.1
1876–1880 [2]	711	704	142	562	7	514	501	147	354	13	20.2	29.3
1881–1885	792	773	100	673	19	667	646	130	517	21	12.9	20.1
1886–1890	738	714	76	638	25	717	685	122	563	33	10.6	17.8
1891–1895	892	851	73	778	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	1,345	1,262	159	1,103	83	8.1	12.6
1911–1915	2,371	2,049	187	1,862	322	1,712	1,590	198	1,392	123	9.1	12.5
1915–1920 [4]	6,515	5,712	1,556	4,156	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	1,382	2,600	795	4,033	3,509	1,129	2,380	524	34.7	32.2
1918	6,149	5,226	986	4,240	923	3,031	2,577	717	1,860	454	18.9	27.8
1919	7,920	7,090	2,596	4,494	831	3,904	3,414	1,228	2,186	491	36.6	36.0
1920	8,228	7,252	3,165	4,087	976	5,279	4,731	1,988	2,743	548	43.6	42.0
1921	4,485	3,888	1,402	2,486	597	2,509	2,187	766	1,422	[1] 322	36.1	35.0
1922	3,832	3,281	1,261	2,020	551	3,113	2,704	921	1,783	409	38.4	34.1
1923	4,168	3,539	1,358	2,181	629	3,792	3,312	1,040	2,272	481	38.4	31.4
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	2,751	686	4,227	3,716	1,151	2,565	510	34.9	31.0
1926	4,809	4,050	1,401	2,649	759	4,431	3,891	1,195	2,696	540	34.6	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	592	34.4	31.6
1930	3,842	3,108	1,117	2,051	675	3,061	2,635	898	1,737	426	35.3	34.1

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 [2]	145	130	15	89.7	1921–1925	6,801	2,383	4,418	35.0
1840 [2]	239	198	41	82.3	1926–1930	7,492	2,511	4,981	33.5
1850 [2]	330	239	91	72.5	1918	7,803	1,703	6,100	21.8
1860 [2]	762	507	255	66.5	1919	10,504	3,824	6,680	36.4
1870 [2]	913	323	590	35.6	1920	11,983	5,153	6,830	43.0
1871–1875 [2]	1,162	326	835	30.6	1921	6,075	2,167	3,908	35.7
1876–1880 [2]	1,206	289	917	23.9	1922	5,985	2,183	3,803	36.5
1881–1885	1,419	229	1,190	16.2	1923	6,850	2,398	4,453	35.0
1886–1890	1,398	198	1,200	14.1	1924	7,155	2,544	4,611	35.7
1891–1895	1,598	198	1,400	12.4	1925	7,940	2,624	5,316	33.0
1896–1900	1,784	179	1,605	10.0	1926	7,941	2,596	5,345	34.0
1901–1905	2,225	220	2,005	9.9	1927	7,759	2,649	5,110	34.1
1906–1910	2,838	287	2,552	10.1	1928	7,827	2,605	5,222	33.3
1911–1915	3,630	385	3,254	10.6	1929	8,129	2,692	5,437	33.1
1915–1920 [4]	8,673	2,534	6,140	29.2	1930	5,803	2,014	3,789	34.7

[1] Exports include parcel post beginning 1924; imports, beginning 1921.
[2] Includes gold and silver coin and bullion to 1879, inclusive.
[3] Included in American and foreign vessels.
[4] Average for period July 1, 1915, to Dec. 31, 1920.

Source: Bureau of Foreign and Domestic Commerce.

No. 508.—EXPORTS (EXCLUDING REEXPORTS) AND IMPORTS OF MERCHANDISE: VALUE, BY METHOD OF CARRIAGE AND NATIONALITY OF VESSEL

NOTE.—All figures in thousands of dollars. All data for calendar years

	1914	1920	1922	1925	1927	1928	1929	1930
Exports, excluding reexports	2,071,068	8,080,481	3,765,091	4,818,722	4,758,864	5,030,099	5,157,083	3,781,172
American vessels	186,926	3,116,440	1,248,736	1,458,199	1,419,967	1,459,913	1,475,569	1,107,549
Foreign vessels:								
Belgian	7,763	76,370	25,369	37,792	33,569	36,825	31,345	26,774
British	1,011,691	2,587,813	1,147,027	1,423,507	1,333,325	1,341,764	1,348,593	946,641
Danish	(1)	71,841	53,348	94,980	94,650	93,654	90,986	62,616
Dutch	83,895	157,957	91,486	166,413	172,705	164,000	163,326	110,823
French	70,037	166,126	111,539	137,218	121,166	123,183	126,237	103,747
German	158,640	9,671	54,702	163,767	221,028	252,283	268,807	201,735
Italian	44,544	215,441	94,707	146,858	114,792	143,614	122,733	76,328
Japanese	23,957	208,876	158,416	173,205	144,140	158,532	163,847	110,584
Norwegian	89,821	236,696	132,729	172,324	197,300	236,005	266,073	205,015
Spanish	(1)	113,291	55,878	62,167	48,798	50,505	48,638	27,677
Swedish	(1)	54,074	34,051	55,598	78,932	83,504	83,186	61,003
All other	126,611	130,515	32,096	89,975	59,512	86,338	94,456	95,839
Total foreign	1,616,959	4,028,671	1,991,348	2,721,804	2,629,915	2,770,298	2,808,223	2,023,782
Parcel post				26,052	27,785	29,014	26,656	20,510
Cars and other land vehicles	267,173	935,370	525,007	612,667	681,197	770,873	846,630	624,331
Imports	1,789,276	5,278,481	3,112,747	4,226,589	4,184,742	4,091,444	4,399,361	3,060,908
American vessels	216,199	1,987,861	921,054	1,151,242	1,214,827	1,132,598	1,205,008	897,973
Foreign vessels:								
Belgian	24,404	24,736	10,342	10,211	12,063	11,309	11,867	7,385
British	808,344	1,000,097	974,273	1,384,926	1,133,818	1,120,985	1,163,519	751,085
Danish	(1)	40,767	51,863	54,142	58,943	57,452	48,084	30,070
Dutch	90,840	137,478	99,554	122,278	141,500	135,495	144,137	100,567
French	82,945	141,181	140,112	147,809	151,833	140,621	145,788	91,710
German	151,613	14	27,755	85,945	162,508	199,154	243,318	171,524
Italian	39,796	60,018	45,254	70,663	75,639	65,170	68,400	50,425
Japanese	57,545	454,180	212,203	390,393	404,540	377,108	437,914	265,061
Norwegian	82,079	111,811	147,089	164,095	154,068	150,157	164,409	139,997
Spanish	(1)	36,148	11,220	15,886	20,897	16,926	17,710	11,408
Swedish	(1)	27,663	21,975	36,102	54,933	50,173	50,837	43,276
All other	77,410	57,959	40,764	82,624	75,826	93,085	106,035	74,540
Total foreign	1,415,576	2,743,252	1,783,004	2,565,074	2,446,567	2,417,633	2,602,017	1,737,048
Parcel post			98,375	125,133	111,501	110,153	123,309	75,786
Cars and other land vehicles	157,501	547,368	310,314	385,140	411,846	431,061	469,027	350,101

[1] Included in "All other."

Source: Bureau of Foreign and Domestic Commerce.

22.—FOREIGN COMMERCE OF THE UNITED STATES

[All statistics of foreign commerce in this section are compiled in the Bureau of Foreign and Domestic Commerce, Department of Commerce. The geographic area covered by these statistics, except as noted, is the United States customs area which includes Alaska, Hawaii, and Porto Rico. See headnote, Table 510. Other explanations of the trade tables are given in the introduction to the Annual Commerce and Navigation of the United States]

No. 509.—SUMMARY OF FOREIGN TRADE OF THE UNITED STATES

NOTE.—Figures for 1911–1915 cover fiscal years; thereafter calendar years are shown

[All figures in thousands of dollars]

	1911–1915, average	1915–1920,[1] average	1921–1925, average	1926–1930, average	1928	1929	1930
Merchandise:							
Exports	2,370,539	6,591,190	4,397,026	4,777,319	5,128,356	5,240,995	3,643,181
United States merchandise	2,331,648	6,416,513	4,310,221	4,687,788	5,030,099	5,157,083	3,781,172
Reexports of foreign merchandise	38,891	104,677	86,805	89,526	98,258	83,912	62,009
General imports	1,712,319	3,358,354	3,450,103	4,033,468	4,091,444	4,399,361	3,060,908
Excess of exports	658,220	3,162,836	946,924	743,845	1,036,912	841,634	782,273
Gold:							
Exports	83,173	233,248	82,739	222,094	560,759	116,583	115,967
United States gold	81,151	255,867	81,183	220,373	555,386	116,431	114,715
Foreign gold	2,022	7,382	1,557	1,721	5,373	152	1,252
Imports	85,969	382,022	347,425	255,528	168,897	291,649	396,054
Excess of exports (+) or imports (−)	−2,796	−148,773	−264,686	−33,434	+391,862	−175,066	−280,087
Silver:							
Exports	61,432	143,447	79,174	78,566	87,382	83,407	54,157
United States silver	56,864	127,414	52,662	61,118	64,329	62,838	43,550
Foreign silver	4,568	16,034	26,512	17,448	23,053	20,569	10,607
Imports	38,739	64,217	69,409	59,398	68,117	63,940	42,761
Excess of exports (+) or imports (−)	+22,693	+79,231	+9,765	+18,668	+19,265	+19,467	+11,396
Excess of exports (+) or imports (−) of merchandise, gold and silver	+678,117	+3,093,293	+692,003	+729,079	+1,448,039	+686,035	+513,582
Imports of merchandise for consumption	1,698,029	3,288,839	3,422,748	4,020,350	4,077,937	4,338,572	3,114,077
Entered for immediate consumption	1,518,447	3,075,280	3,050,279	3,602,947	3,655,371	3,925,379	2,765,315
Withdrawn from warehouse	179,582	213,609	372,469	417,403	422,566	413,193	348,762
Free	966,141	2,262,412	2,088,932	2,645,610	2,678,633	2,880,128	2,081,123
Dutiable	731,887	1,028,245	1,333,816	1,374,740	1,399,304	1,458,444	1,032,954
Per cent free	56.89	68.79	61.03	55.85	65.68	66.38	66.83
Duties calculated	283,408	227,035	478,911	550,743	542,270	584,771	461,790
Ratio of duties to total imports for consumption, per cent	16.69	6.90	13.99	13.70	13.30	13.55	14.83
Ratio to dutiable imports	38.72	22.08	35.90	40.06	38.76	40.11	44.70
Entered for warehouse	193,872	283,124	399,824	430,521	436,073	473,982	295,593
Remaining in warehouse, end of period	94,406	249,291	172,859	(2)	208,766	248,542	(2)

[1] Period July 1, 1915, to Dec. 31, 1920.

[2] Not yet available.

No. 510.—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 "customs area," which includes continental United States, Alaska, Hawaii, and Porto Rico, but not other outlying areas. Consequently trade between continental United States and Alaska, Hawaii, and Porto Rico is not covered by the figures, while trade between these three districts and foreign countries is so included. On the other hand, trade between continental United States (also Alaska, Hawaii, and Porto Rico) and the Philippine and Virgin Islands is covered, being treated as if it were trade with foreign countries. However, neither the trade between continental United States and Guam and American Samoa nor their trade with other countries, is covered. (2) The present table takes continental United States as the basis. In the totals, trade between it and Alaska, Hawaii, and Porto Rico is included while their trade with foreign countries is excluded. Trade of continental United States with Guam and American Samoa is also included. 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 [1]			Imports		
	Total	To foreign countries	To United States Territories and possessions	Total	From foreign countries	From United States Territories and possessions
1906–1910	1,820,286	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
1915–1920 [2]	6,650,126	6,452,539	203,587	3,590,084	3,274,496	321,588
1921–1925	4,552,455	4,335,341	217,114	3,650,280	3,351,378	298,902
1926–1930	4,961,994	4,694,505	267,488	4,270,498	3,896,506	373,992
1903	1,447,258	1,410,420	36,838	1,067,420	1,008,531	58,889
1904	1,487,934	1,449,840	38,094	1,031,794	972,663	59,131
1905	1,551,657	1,508,137	43,520	1,173,079	1,097,829	75,250
1906	1,784,527	1,732,860	51,667	1,275,189	1,207,507	67,682
1907	1,932,794	1,865,544	67,250	1,488,894	1,414,055	74,839
1908	1,907,874	1,842,104	65,770	1,204,301	1,175,572	88,729
1909	1,717,172	1,646,784	70,388	1,384,318	1,294,882	89,436
1910	1,804,063	1,720,831	83,232	1,638,942	1,530,956	107,986
1911	2,115,186	2,022,874	92,312	1,607,343	1,499,918	107,425
1912	2,278,732	2,172,434	106,298	1,762,351	1,619,428	142,923
1913	2,539,837	2,429,962	109,875	1,909,427	1,780,538	128,889
1914	2,434,851	2,327,087	107,764	1,980,228	1,865,197	115,031
1915	2,837,666	2,735,597	102,069	1,796,822	1,640,953	155,869
1916	4,420,846	4,302,873	117,973	2,362,645	2,159,598	203,047
1917	6,412,069	6,250,049	161,420	2,856,008	2,603,871	252,137
1918	6,054,232	5,857,167	197,065	3,150,128	2,854,047	296,081
1918 (6 months) [3]	3,222,793	3,138,793	84,000	1,614,762	1,430,878	183,884
1919	8,059,279	7,833,823	225,456	4,125,976	3,821,142	304,834
1920	8,439,474	8,105,660	333,814	5,668,942	5,140,192	528,750
1921	4,620,537	4,427,556	192,981	2,672,013	2,438,856	233,157
1922	3,963,077	3,780,024	183,057	3,282,296	3,036,381	246,915
1923	4,333,730	4,109,344	224,386	4,010,641	3,697,607	313,034
1924	4,761,644	4,521,219	240,425	3,832,148	3,494,159	337,989
1925	5,083,287	4,838,565	244,722	4,455,787	4,090,887	364,900
1926	4,991,768	4,729,811	261,957	4,669,318	4,303,302	366,016
1927	5,050,956	4,786,482	271,474	4,421,181	4,047,124	374,057
1928	5,311,007	5,038,692	272,314	4,349,314	3,951,050	398,264
1929	5,425,699	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	2,929,978	357,556

[1] Exports include both United States merchandise and reexports of foreign merchandise.
[2] Period July 1, 1915, to Dec. 31, 1920.
[3] July to December.

No. 511.—PRODUCTION OF EXPORTABLE GOODS AND PROPORTION EXPORTED

NOTE.—Agricultural production prior to 1925 is the estimated value of farm products, excluding crops fed to livestock; beginning 1925 it is gross income, excluding feed, seed, and waste. Value added to materials by manufacture is used to represent manufacturing. Value of mine products in 1909 and 1919 are census figures 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, United States merchandise	Per cent of total
1899	3,355	4,831	600	[1] 981	9,767	1,253	12.8
1904	4,262	6,294	850	[1] 1,415	12,821	1,426	11.1
1909	6,472	8,529	1,238	[1] 1,801	18,040	1,701	9.4
1914	8,165	9,675	1,450	[1] 2,082	21,372	2,071	9.7
1919	17,677	24,748	3,158	3,625	49,208	7,750	15.7
1921	10,268	18,327	2,900	4,004	35,499	4,379	12.3
1923	12,382	25,846	4,300	4,712	47,240	4,091	8.7
1925	11,968	26,771	4,100	4,648	47,487	4,819	10.1
1927	11,616	27,585	4,000	4,729	47,930	4,759	9.9
1929	11,851	31,687	4,200	4,899	52,587	5,157	9.8

[1] Mean of preceding and following fiscal year.

No. 512.—EXPORTS 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
All manufactures:					
1899	2,300–2,800	4,831	7,100–7,600	745	9.8–10.5
1904	3,100–3,700	6,294	9,400–10,000	863	8.6–9.2
1909	4,300–5,200	8,529	12,800–13,700	1,001	7.3–7.8
1914	5,300–6,500	9,675	15,000–16,200	1,505	9.3–10.0
1919	12,500–14,500	24,748	37,250–39,250	5,449	13.9–14.6
1921	8,000–9,400	18,327	26,300–27,700	2,722	9.8–10.3
1923	11,500–13,200	25,846	37,350–39,050	2,625	6.7–7.0
1925	11,900–13,600	26,771	38,700–40,400	3,079	7.6–8.0
1927	11,750–13,450	27,585	39,300–41,000	3,145	7.7–8.0
1929	13,750–15,450	31,687	45,400–47,100	3,745	8.0–8.2
Foodstuffs manufactures:					
1899	1,300–1,500	415	1,700–1,900	312	16.4–18.4
1904	1,700–2,000	540	2,250–2,550	296	11.6–13.2
1909	2,200–2,700	750	2,950–3,450	281	8.1–9.5
1914	2,700–3,300	1,036	3,750–4,350	374	8.6–10.0
1919	7,100–8,300	2,434	9,500–10,700	1,963	18.3–20.7
1921	4,100–4,800	2,084	6,200–6,900	685	9.9–11.0
1923	4,750–5,500	2,460	7,200–7,950	583	7.3–8.1
1925	5,300–6,100	2,663	7,950–8,750	574	6.6–7.2
1927	5,500–6,300	2,885	8,400–9,200	463	5.0–5.5
1929	6,700–7,500	3,333	10,000–10,800	484	4.5–4.8
Other manufactures:					
1899	1,000–1,300	4,416	5,400–5,700	433	7.6–8.0
1904	1,400–1,700	5,754	7,150–7,450	567	7.6–7.9
1909	2,100–2,500	7,779	9,850–10,250	720	7.0–7.3
1914	2,600–3,200	8,639	11,250–11,850	1,131	9.5–10.1
1919	5,400–6,200	22,314	27,750–28,550	3,486	12.2–12.6
1921	3,900–4,600	16,233	20,100–20,800	2,037	9.8–10.1
1923	6,750–7,700	23,386	30,150–31,100	2,042	6.6–6.8
1925	6,600–7,500	24,108	30,750–31,650	2,505	7.9–8.1
1927	6,250–7,150	24,700	30,900–31,800	2,682	8.4–8.7
1929	7,050–7,950	28,354	35,400–36,300	3,261	9.0–9.2

No. 513.—INDEXES OF CHANGES IN QUANTITY, PRICE, AND VALUE OF IMPORTS AND EXPORTS OF UNITED STATES MERCHANDISE

NOTE.—The purpose of these indexes is to eliminate the effect of price changes upon the total value of trade. They have been constructed by the so-called ideal formula, the essential feature of which is the use as weighting factors of the mean of the values of the several articles during each pair of years compared. For many commodities no quantitative data are available and for others the quantities lack significance because of variation in grades, size, and styles. About 180 commodities were included in the direct calculations for exports and 160 in those for imports, representing somewhat over two-thirds of the total value. It was then assumed that the prices of articles not directly covered had moved in parallel with those of articles covered save only that in making the adjustment the effect of abnormal price movements of heavily weighted commodities was first eliminated. In constructing the indexes, data for 1919 were linked directly to 1913 and each subsequent year was compared with that preceding. The resulting percentages were made into a series by the chain method

Yearly average or year	Exports of U. S. merchandise			Imports			Domestic wholesale price index
	Quantity	Price	Value	Quantity	Price	Value	
1913 taken as 100:							
1913	100	100	100	100	100	100	100
1910-1914 [1]	[2] 89	(2)	87	(2)	(2)	94	98
1921-1925	123	144	176	151	126	192	142
1926-1930	155	124	192	184	122	225	136
1919	142	223	317	125	174	218	199
1920	137	241	330	139	213	294	221
1921	120	150	179	120	117	140	140
1922	112	138	154	154	113	174	139
1923	115	146	167	161	132	212	144
1924	130	143	184	150	129	201	141
1925	137	144	197	166	142	236	148
1926	146	133	192	178	139	247	143
1927	158	124	194	180	130	233	137
1928	165	125	206	181	126	228	140
1929	169	125	211	207	119	245	138
1930	137	113	155	176	97	171	124
1923-1925 taken as 100:							
1913	79	69	55	62	75	46	69
1910-1914 [1]	[2] 70	(2)	48	(2)	(2)	44	68
1921-1925	96	100	96	94	94	89	99
1926-1930	122	86	105	115	91	104	95
1919	112	155	173	78	130	101	138
1920	108	167	181	86	158	136	153
1921	94	104	98	75	87	65	97
1922	88	95	84	96	84	80	97
1923	90	101	92	100	98	98	100
1924	102	99	101	97	96	93	97
1925	108	100	108	103	106	109	103
1926	115	92	105	110	104	114	99
1927	124	86	107	112	96	108	95
1928	130	86	113	113	94	106	97
1929	133	87	115	129	88	114	96
1930	108	79	85	100	72	79	86

[1] Fiscal years.
[2] Indexes not calculated for 1910-1914. The quantity index of exports is estimated by assuming that the relation of export prices in 1910-1914 to 1913 was the same as that for domestic prices.

No. 514.—EXPORTS AND IMPORTS OF GOLD AND SILVER: BY MONTHS

[All figures in thousands of dollars]

Month	Gold						Silver					
	1928		1929		1930		1928		1929		1930	
	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports
January	52,086	38,320	1,378	48,577	8,948	12,908	6,692	6,305	8,264	8,260	5,892	4,756
February	25,806	14,086	1,425	26,913	207	60,198	7,479	4,658	6,595	4,458	5,331	3,923
March	97,536	2,683	1,635	26,470	290	55,768	7,405	5,134	7,814	6,435	5,818	4,831
April	96,469	5,319	1,594	24,687	110	65,835	6,587	4,888	5,752	3,957	4,646	3,570
May	83,689	1,968	467	24,098	82	23,552	6,712	4,247	7,485	4,602	4,978	3,486
June	99,932	20,001	550	30,762	26	13,938	7,456	6,221	5,445	5,022	3,336	2,707
July	74,190	10,331	807	35,525	41,529	21,889	6,160	6,544	6,795	4,723	3,709	3,253
August	1,698	2,445	881	19,271	39,332	19,714	9,246	6,496	8,522	7,345	4,544	3,492
September	3,810	4,273	1,205	18,781	11,133	13,680	6,229	5,739	4,374	4,111	3,903	3,461
October	992	14,331	3,805	21,321	9,266	35,635	7,252	7,319	7,314	5,403	4,424	3,270
November	22,916	29,591	30,289	7,123	5,008	40,159	7,674	5,448	8,678	5,144	4,102	2,652
December	1,636	24,950	72,547	8,121	36	32,778	8,489	5,120	6,369	4,479	3,472	2,660

No. 515.—GOLD[1] UNDER EARMARK FOR FOREIGN ACCOUNT IN THE UNITED STATES

NOTE.—Gold under earmark is gold placed by a bank in the custody of its foreign correspondent but segregated and marked in such a manner as to indicate that the identical coins or bars earmarked are the bank's property and altogether subject to its disposal. The first transaction occurred Mar. 21, 1916. Amount under earmark at the end of December, 1916, was $6,097,000

[All figures in thousands of dollars]

Year	Increase or decrease during year of gold under earmark[2]	Month	Amount under earmark at end of month					
			1917	1918	1919	1920	1921	1922
1917	+845	January	6,097	6,942	6,942	6,000	18,010	
1918		February	6,097	6,942	6,942	5,000	20,000	
1919	−1,942	March	6,097	6,942	6,842	6,000	20,000	
1920	+17,000	April	6,097	6,942		9,000	20,000	
1921	−22,000	May	6,097	6,942		10,000	20,000	
1922	+3,700	June	6,097	6,942		11,500	23,000	
1923	−700							
1924	+42,213	July	6,097	6,942		14,500	18,000	
1925	−32,244	August	6,778	6,942		16,500	18,000	
1926	+26,297	September	6,942	6,942		17,500	8,000	
1927	+160,153	October	6,942	6,942	3,000	20,000		1,500
1928	−119,522	November	6,942	6,942	4,000	20,500		1,700
1929	+55,398	December	6,942	6,942	5,000	22,000		3,700
1930	+2,400							

Month	Amount under earmark at end of month							
	1923	1924	1925	1926	1927	1928	1929	1930
January	5,329	3,000	46,023	19,012	19,779	193,919	144,898	[3] 134,794
February	1,000	2,407	[3] 52,389	30,012	16,599	191,051	144,898	[3] 134,794
March	1,000	4,859	[3] 61,714	53,000	18,101	155,251	137,391	119,795
April		5,417	[3] 46,864	53,000	19,101	109,511	88,821	119,295
May		4,417	[3] 30,889	53,000	114,101	186,050	72,994	117,295
June		2,417	[3] 25,814	53,580	114,601	105,997	80,207	115,295
July	1,500	5,000	[3] 28,915	49,580	114,417	45,050	102,194	118,295
August	1,500	12,984	[3] 17,340	30,380	116,918	39,134	103,194	118,295
September	1,000	26,213	15,839	32,780	125,918	40,334	109,795	114,303
October	3,000	43,213	12,969	32,776	150,919	39,134	114,296	120,410
November	3,000	43,713	10,969	40,274	190,919	64,136	113,292	127,536
December	3,000	45,213	12,069	39,266	199,419	79,897	135,295	137,695

[1] Gold bullion (bars) and United States gold coin.
[2] Increase is the equivalent of net export and decrease the equivalent of net import.
[3] Revised.

Source: Federal Reserve Board.

No. 516.—EXPORTS (INCLUDING REEXPORTS) AND GENERAL IMPORTS OF MERCHANDISE: BY MONTHS

[All figures in millions and tenths of millions of dollars]

Month	1901		1902		1903		1904		1905		1906	
	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports
January	136.3	69.3	129.1	79.1	134.0	85.2	142.0	82.6	123.6	98.3	170.6	106.5
February	113.0	64.5	101.6	68.4	125.6	82.6	118.8	89.0	106.9	103.1	141.8	104.2
March	124.5	75.9	106.7	84.2	132.1	96.2	119.9	91.3	137.0	110.4	145.5	113.6
April	120.8	76.7	100.2	75.8	109.8	87.7	109.9	83.5	128.6	95.1	144.4	107.3
May	124.6	78.6	102.3	75.7	100.9	79.0	89.9	80.7	123.8	92.5	130.5	101.9
June	102.8	68.4	89.2	73.1	95.2	82.0	93.2	81.2	121.2	90.4	125.0	100.8
July	109.5	73.1	88.8	79.1	91.8	82.2	85.2	71.2	107.9	84.5	111.7	102.6
August	108.0	73.1	94.9	78.9	89.4	82.0	92.3	87.7	117.7	95.8	129.8	105.7
September	107.0	66.8	121.2	87.7	110.4	81.8	134.3	84.1	136.0	102.0	138.5	102.6
October	145.7	81.4	144.3	87.4	160.4	81.9	162.5	92.8	154.4	107.4	187.4	118.1
November	136.5	72.6	126.2	85.4	160.3	77.0	158.1	95.2	170.3	98.3	182.7	119.8
December	136.9	79.9	148.0	94.4	174.8	77.8	145.3	96.6	199.7	101.1	190.4	134.3
	1907		1908		1909		1910		1911		1912	
January	189.3	126.6	206.1	85.0	156.7	103.6	144.5	133.7	197.1	130.6	202.4	143.6
February	159.5	123.0	167.8	84.8	126.1	118.7	124.6	130.1	176.0	121.7	198.8	134.2
March	161.7	133.1	141.6	89.1	139.3	132.9	143.7	163.0	161.9	139.0	205.4	157.6
April	157.5	129.6	133.4	87.4	125.2	122.2	133.1	133.9	158.0	119.8	179.3	162.6
May	134.8	126.5	113.6	84.0	123.3	116.1	131.1	118.8	153.2	129.8	175.4	165.7
June	137.7	112.5	115.4	92.1	117.4	124.7	127.9	119.9	141.7	122.8	138.2	131.0
July	128.5	124.6	103.2	86.4	109.3	112.5	114.6	117.3	127.7	118.1	148.9	148.7
August	127.3	125.8	110.4	91.2	109.8	117.1	134.7	138.4	144.2	125.9	167.8	154.8
September	135.3	106.4	130.3	98.4	154.0	121.0	168.9	117.3	195.8	125.2	199.7	144.8
October	180.3	111.9	172.0	102.0	200.7	127.7	207.7	124.0	210.4	132.6	254.6	178.0
November	204.5	110.9	161.3	103.9	194.0	140.5	206.6	129.8	201.8	126.2	278.2	153.1
December	207.1	92.2	188.8	111.9	172.5	138.7	220.0	136.7	224.9	140.7	250.3	154.1
	1913		1914		1915		1916		1917		1918	
January	227.0	163.1	204.1	154.7	267.9	122.1	330.0	184.4	613.3	241.8	504.8	233.9
February	194.0	149.9	173.9	148.0	290.8	125.1	401.8	193.9	467.6	199.5	411.4	207.7
March	187.4	155.4	187.5	182.6	296.6	158.0	410.7	213.6	554.0	270.3	522.9	242.2
April	199.8	146.2	162.6	173.8	294.7	160.6	398.6	218.2	529.9	253.9	500.4	279.0
May	194.6	133.7	161.7	164.3	274.2	142.3	474.8	229.2	549.7	280.7	550.9	322.9
June	163.4	131.2	157.1	157.5	268.5	157.7	464.7	245.8	573.5	306.6	483.8	260.4
July	161.0	139.1	154.1	159.7	268.5	143.2	444.7	182.7	372.8	225.8	507.5	241.9
August	187.9	137.7	110.4	129.8	260.6	141.8	510.2	199.3	488.7	267.9	527.0	273.0
September	218.2	171.1	156.1	139.7	300.7	151.2	514.9	164.0	454.5	236.2	550.4	261.7
October	271.9	132.9	194.7	138.1	336.2	149.2	492.8	178.7	542.1	221.2	501.9	246.8
November	245.5	148.2	205.9	126.5	327.7	155.5	516.2	177.0	487.3	220.5	522.2	251.0
December	233.2	184.0	245.6	114.7	359.3	171.8	523.2	204.8	600.1	227.9	565.9	210.0
	1919		1920		1921		1922		1923		1924	
January	623.0	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	303.4	365.8	332.3
March	603.1	267.6	819.6	523.9	385.7	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	346.9	324.3
May	604.0	328.9	745.5	431.0	329.7	204.9	307.6	252.8	316.4	372.5	335.1	303.0
June	928.4	292.9	629.4	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	194.8	301.8	281.4	311.0	275.4	330.7	254.5
September	595.2	436.4	604.7	363.3	324.9	179.3	313.2	298.5	381.4	253.6	427.5	287.1
October	631.6	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
	1925		1926		1927		1928		1929		1930	
January	446.4	346.2	396.8	416.8	419.4	356.8	410.8	337.9	488.0	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	442.0	409.0	378.3	420.6	380.4	480.9	383.8	360.6	300.5
April	398.3	346.1	388.0	397.9	415.4	375.7	363.9	345.3	425.3	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	250.3
July	339.7	325.6	368.3	330.0	341.8	319.3	379.0	317.8	402.9	353.0	266.8	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	350.0	448.1	343.2	425.3	342.2	421.6	319.6	437.2	351.3	312.2	226.4
October	490.6	374.1	455.3	376.9	488.7	355.7	550.0	355.4	528.5	391.1	326.9	247.4
November	447.8	376.4	480.3	373.9	460.9	344.3	544.9	326.6	442.3	338.5	289.0	203.6
December	468.3	396.6	465.4	350.5	407.6	331.2	475.8	339.4	426.6	309.8	274.9	208.6

No. 517.—ESTIMATED BALANCE OF INTERNATIONAL PAYMENTS OF THE UNITED STATES

NOTE.—**All figures in millions of dollars.** Many items included in this statement are very rough estimates. For full explanations of the items see "The Balance of International Payments of the United States in 1930" Trade Information Bulletin No. 761 of the Bureau of Foreign and Domestic Commerce

Classes of international transactions	1929 (revised)			1930		
	Credits	Debits	Balance	Credits	Debits	Balance
COMMODITY TRADE						
Merchandise exports and imports (as reported)	5,241	4,399	+842	3,843	3,061	+782
Silver	83	64	+19	54	43	+11
Bunker coal and oil sales to foreign vessels	46	11	+35	44	10	+34
Ship chandling, ship repairs, and tonnage dues	54	37	+17	46	31	+15
Other merchandise adjustments	23	288	−265	110	194	−84
Total commodity trade (as adjusted)	5,447	4,799	+648	4,097	3,339	+758
MISCELLANEOUS INVISIBLE ITEMS						
Freight payments and receipts:						
Oversea and Great Lakes traffic	142	208	−66	106	201	−95
Railway earnings on transit shipments	64	43	+21	49	33	+16
Foreign inland freight on United States imports		21	−21		17	−17
Tourist expenditures:						
Canada	94	296	−202	86	266	−180
Mexican border and overseas (incl. West Indies)	89	572	−483	85	545	−460
Ocean-borne passenger traffic	47		+47	49		+49
Earnings of long-term private investments:						
Received from American investments abroad	876		+876	826		+826
Paid to foreign investors in the United States		270	−270		237	−237
Earnings of short-term interest and commissions:						
Collected from foreigners abroad	103		+103	78		+78
Paid to foreignors abroad		144	−144		73	−73
Immigrant remittances	24	247	−223	33	199	−166
War-debt receipts of United States Treasury:						
Interest	150	5	+145	164		+164
Principal	62		+62	77		+77
Other United States Government receipts and payments, and foreign representations here	60	152	−92	46	127	−81
Missionary and charitable contributions, etc		49	−49		49	−49
Motion-picture royalties	70	6	+64	50	6	+44
Insurance transactions	70	70		70	70	
Miscellaneous minor items	52	91	−39	45	82	−37
Total commodity and miscellaneous items	7,350	6,973	+377	5,861	5,244	+617
MOVEMENT OF PRIVATE LONG-TERM CAPITAL						
New American investments abroad:						
1. Foreign securities publicly offered (par)		696	−696		1,082	−1,082
2. Deduct for "estimated refunding to Americans"	35		+35	182		+182
3. Deduct for American underwriters' commissions	15		+15	23		+23
4. Deduct for securities issued below par	11		+11	43		+43
5. Add new "direct investments" abroad by Americans		335	−335		253	−253
6. Add foreign stocks and bonds bought from foreigners in small lots		578	−578		360	−360
Reductions of previous American investments abroad:						
7. Bond-redemption and sinking-fund payments received from foreigners	276		+276	250		+250
8. Resale to foreigners of direct investments	58		+58	51		+51
9. Foreign stocks and bonds resold to foreigners	449		+449	806		+806
New foreign investments in the United States:						
10. Direct investments	31		+31	19		+19
11. American stocks and bonds sold to foreigners	1,585		+1,585	941		+941
Reductions of previous foreign investments in the United States:						
12. Redemption and sinking-fund payments to foreigners		77	−77		77	−77
13. Purchase of American properties from foreigners		15	−15			
14. American stocks and bonds bought back from foreigners		1,078	−1,078		833	−833
Total private, long-term capital items	2,460	2,779	[1] −319	2,315	2,605	[1] −290
Net change in international banking accounts, as revealed by questionnaire	13		+13		443	−443
Gold shipments	117	292	−175	116	396	−280
Changes in ear-marked gold	128	73	+55	26	24	+2
United States paper currency				20		+20
Grand total, all items	10,068	10,117	−49	8,338	8,712	−374

[1] Estimated "net export of long-term private capital."

No. 518.—EXPORTS AND IMPORTS OF MERCHANDISE

NOTE.—All figures in thousands of dollars. Specie values. Figures are for fiscal years ended Sept. 30, 1791 to 1842, and June 30, 1843 to 1915, subsequently for calendar years. For calendar years 1901–1915 and fiscal years 1916–1930, see Supplemental Table 520. For total exports and total imports by years prior to 1886, see Table 521. 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	36,354	92,766	167,298	−18,234
1811–1820	58,989	46,270	12,719	80,812	139,801	−21,823
1821–1830	69,421	53,221	16,200	72,949	142,370	−3,528
1831–1840	103,550	88,168	15,382	119,520	223,070	−15,970
1841–1850 [1]	122,820	114,894	7,727	121,123	243,743	+1,498
1851–1860	248,887	232,283	16,604	284,475	533,362	−35,588
1861–1865	187,811	170,198	17,613	255,439	443,250	−67,628
1866–1870	320,842	307,696	13,146	408,295	729,137	−87,453
1871–1875	501,841	486,128	15,713	577,873	1,079,714	−76,032
1876–1880	676,761	663,650	13,111	492,570	1,169,331	+184,191
1881–1885	791,892	774,607	17,285	667,142	1,459,034	+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	1,677,558	+107,284
1896–1900	1,157,318	1,136,039	21,279	741,519	1,898,837	+415,799
1901–1905	1,453,803	1,427,020	26,783	972,162	2,425,965	+481,641
1906–1910	1,778,697	1,750,980	27,717	1,344,838	3,123,535	+433,859
1911–1915	2,370,539	2,331,648	38,891	1,712,319	4,082,858	+658,220
1915–1920 [2]	6,521,190	6,416,513	104,677	3,358,354	9,879,545	+3,162,836
1921–1925	4,397,026	4,310,221	86,805	3,450,103	7,847,129	+946,924
1926–1930	4,777,313	4,687,788	89,526	4,033,469	8,810,782	+743,845
1886	679,525	665,965	13,560	635,436	1,314,961	+44,089
1887	710,183	703,023	13,160	692,320	1,408,503	+23,863
1888	695,955	683,862	12,093	723,957	1,419,912	−28,002
1889	742,401	730,282	12,119	745,132	1,487,533	−2,731
1890	857,820	845,204	12,535	789,310	1,647,139	+68,519
1891	884,481	872,270	12,211	844,916	1,729,397	+39,565
1892	1,030,278	1,015,732	14,546	827,402	1,857,680	+202,876
1893	847,665	831,031	16,634	866,401	1,714,066	−18,736
1894	892,141	869,205	22,936	654,995	1,547,136	+237,146
1895	807,538	793,393	14,145	731,970	1,539,508	+75,568
1896	882,607	863,201	10,406	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	616,050	1,847,532	+615,432
1899	1,227,023	1,203,931	23,092	697,148	1,924,171	+529,875
1900	1,394,483	1,370,764	23,719	849,941	2,244,424	+544,542
1901	1,487,765	1,460,463	27,302	823,172	2,310,937	+664,593
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	2,451,914	+469,740
1905	1,518,562	1,491,745	26,817	1,117,513	2,636,075	+401,049
1906	1,743,865	1,717,954	25,911	1,226,562	2,970,427	+517,303
1907	1,880,851	1,853,718	27,133	1,434,421	3,315,272	+446,430
1908	1,860,773	1,834,786	25,987	1,194,342	3,055,115	+666,431
1909	1,963,011	1,938,356	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	+188,038
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	1,653,265	3,857,587	+551,057
1913	2,465,884	2,428,506	37,378	1,813,008	4,278,892	+652,876
1914	2,364,579	2,329,684	34,895	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)	1,852,863	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	6,233,513	6,169,617	63,896	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	7,920,426	7,749,816	170,610	3,904,365	11,824,791	+4,016,061
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	6,994,179	+1,975,883
1922	3,831,777	3,765,091	66,686	3,112,747	6,944,524	+719,030
1923	4,167,493	4,090,715	76,778	3,792,056	7,959,550	+375,427
1924	4,590,984	4,497,649	93,335	3,609,963	8,200,947	+981,021
1925	4,909,848	4,818,722	91,125	4,226,589	9,136,437	+683,258
1926	4,808,660	4,711,721	96,939	4,430,888	9,239,548	+377,772
1927	4,865,375	4,758,564	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	+1,036,912
1929	5,240,905	5,157,083	83,912	4,309,361	9,640,356	+841,634
1930	3,845,181	3,781,172	62,009	3,060,908	6,904,089	+782,273

[1] Period beginning Oct. 1, 1841, and ending June 30, 1850.

[2] Period July 1, 1915, to Dec. 31, 1920.

No. 519.—EXPORTS AND IMPORTS OF GOLD, SILVER, AND OF MERCHANDISE, GOLD, AND SILVER COMBINED

NOTE.—All figures in thousands of dollars. As to periods covered see headnote, Table 518. Figures for gold and silver relate to coin and bullion only prior to 1895; subsequently they include ore also. See also Table 520

Yearly average or 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 (−)
1821–1830	(1)	(1)	(1)	[1] 7,154	[1] 6,914	[1] +239	76,575	79,863	−3,288
1831–1840	2,154	3,394	−1,240	3,530	7,353	−3,823	109,234	130,268	−21,034
1841–1850 [2]	3,222	5,463	−2,241	3,445	3,443	+2	129,288	130,029	−741
1851–1860	46,372	3,762	+42,610	3,130	3,988	−858	208,399	292,226	+6,173
1861–1865	56,814	15,881	+40,933	3,961	3,172	+789	248,586	274,492	−25,906
1866–1870	50,452	12,030	+38,422	20,746	6,608	+14,138	392,040	426,932	−34,892
1871–1875	52,423	11,497	+40,926	31,915	9,673	+22,242	586,179	599,043	−12,864
1876–1880	15,040	25,790	−11,750	22,670	13,182	+9,488	714,470	532,542	+181,928
1881–1885	19,263	40,333	−21,070	22,739	12,108	+10,631	833,894	719,583	+114,311
1886–1890	29,651	26,163	+3,488	31,082	18,045	+13,037	799,112	761,439	+37,673
1891–1895	77,737	39,588	+38,149	38,777	18,935	+19,842	1,008,935	843,659	+165,276
1896–1900	50,793	74,492	−23,699	58,125	31,234	+26,891	1,266,236	847,245	+418,991
1901–1905	64,580	63,152	+1,428	51,318	28,807	+22,511	1,569,701	1,064,122	+505,579
1906–1910	74,500	89,283	−14,783	58,300	44,244	+14,056	1,911,497	1,478,365	+433,132
1911–1915	83,173	85,969	−2,796	61,432	38,739	+22,693	2,515,144	1,837,027	+678,117
1915–1920 [3]	233,248	382,022	−148,773	143,447	64,217	+79,231	6,807,886	3,804,593	+3,093,293
1921–1925	82,739	347,425	−264,686	79,174	69,409	+9,765	4,558,940	3,866,937	+692,003
1926–1930	222,094	255,528	−33,433	78,566	59,898	+18,668	5,077,974	4,348,894	+729,080
1886	42,952	20,743	+22,209	29,511	17,850	+11,661	751,988	674,030	+77,958
1887	9,701	42,911	−33,210	26,297	17,260	+9,037	752,181	752,491	−310
1888	15,376	43,934	−25,558	28,088	15,404	+12,634	742,369	783,295	−40,926
1889	59,952	10,285	+49,667	30,689	18,678	+18,011	839,043	774,095	+64,948
1890	17,274	12,943	+4,331	34,874	21,033	+13,841	909,977	823,287	+86,690
1891	86,353	18,233	+68,130	22,501	18,027	+4,564	993,424	881,176	+112,258
1892	50,195	49,699	+496	32,811	19,955	+12,856	1,113,284	897,057	+216,227
1893	108,681	21,174	+87,507	40,737	23,193	+17,544	997,083	910,769	+86,314
1894	76,978	72,449	+4,529	50,451	13,287	+37,164	1,019,570	740,730	+278,840
1895	66,468	36,385	+30,083	47,295	20,211	+27,084	921,302	788,566	+132,736
1896	112,410	33,525	+78,885	60,542	28,777	+31,765	1,055,559	842,027	+213,532
1897	40,362	85,015	−44,653	61,947	30,533	+31,414	1,153,302	880,278	+273,024
1898	15,406	120,392	−104,986	55,105	30,928	+24,177	1,301,994	767,309	+534,625
1899	37,522	88,955	−51,433	56,319	30,675	+25,644	1,320,864	816,778	+504,086
1900	48,267	44,573	+3,694	56,712	35,256	+21,456	1,499,462	929,771	+569,691
1901	53,185	66,051	−12,866	64,285	36,387	+27,898	1,605,235	925,610	+679,625
1902	48,569	52,021	−3,452	49,732	28,232	+21,500	1,480,021	983,574	+496,447
1903	47,091	44,982	+2,109	44,250	24,163	+20,087	1,511,483	1,094,865	+416,618
1904	81,460	99,055	−17,595	49,473	27,769	+21,704	1,591,760	1,117,912	+473,848
1905	92,594	53,649	+38,945	48,849	27,485	+21,364	1,660,005	1,198,647	+461,358
1906	38,574	96,222	−57,648	65,869	44,443	+21,426	1,848,307	1,367,227	+481,080
1907	51,399	114,510	−63,111	58,739	42,947	+15,792	1,988,989	1,591,878	+397,111
1908	72,433	148,337	−75,904	57,921	44,658	+13,263	1,991,127	1,387,337	+603,790
1909	91,532	44,004	+47,528	55,683	43,955	+11,728	1,810,226	1,399,879	+410,347
1910	118,563	43,340	+75,223	55,287	45,217	+10,070	1,918,835	1,645,505	+273,330
1911	22,510	73,607	−51,097	64,750	45,937	+18,813	2,136,580	1,646,770	+489,810
1912	57,328	48,937	+8,391	64,891	47,050	+17,841	2,326,541	1,749,252	+577,289
1913	77,763	69,194	+8,569	71,614	41,269	+30,345	2,615,261	1,923,471	+691,790
1914	112,039	66,539	+45,500	54,965	30,327	+24,638	2,531,583	1,990,791	+540,792
1915	146,224	171,569	−25,345	30,942	29,110	+21,832	2,965,756	1,874,849	+1,090,907
1915 (6mos.)	23,843	307,030	−283,187	28,750	18,742	+10,008	1,905,456	1,238,559	+666,897
1916	155,793	685,990	−530,197	70,595	32,263	+38,332	5,709,029	3,109,889	+2,599,140
1917	371,884	552,454	−180,570	84,131	53,340	+30,791	6,689,527	3,558,263	+3,131,264
1918	41,070	62,043	−20,973	252,846	71,376	+181,470	6,443,004	3,164,631	+3,278,373
1919	368,185	76,534	+291,651	239,021	89,410	+149,611	8,527,632	4,070,309	+4,457,323
1920	322,091	417,068	−94,977	113,616	88,060	+25,556	8,663,724	5,783,610	+2,880,114
1921	23,891	691,248	−667,357	51,575	63,243	−11,668	4,560,497	3,263,639	+1,296,858
1922	30,875	275,170	−238,295	62,807	70,807	−7,999	3,931,459	3,458,724	+472,735
1923	28,643	322,716	−294,073	72,469	74,454	−1,985	4,268,605	4,189,236	+79,369
1924	61,648	319,721	−258,073	109,891	73,945	−35,946	4,762,523	4,003,628	+758,895
1925	262,640	128,272	+134,367	99,128	64,596	+34,532	5,271,615	4,419,458	+852,157
1926	115,708	213,504	−97,796	92,258	69,596	+22,662	5,016,626	4,713,988	+302,638
1927	201,456	207,535	−6,080	75,625	55,074	+20,551	5,142,455	4,447,351	+695,104
1928	560,759	168,897	+391,862	87,382	68,117	+19,265	5,776,497	4,328,458	+1,448,039
1929	116,583	291,649	−175,066	83,407	63,940	+19,467	5,440,985	4,754,950	+686,035
1930	115,967	396,054	−280,087	54,157	42,761	+11,396	4,013,305	3,499,723	+513,582

[1] Data shown under silver are for gold and silver. These were not shown separately prior to 1825.
[2] Period beginning Oct. 1, 1841, and ending June 30, 1850. [3] Period July 1, 1915, to Dec. 31, 1920.

No. 520.—SUPPLEMENT TO TABLES 518 AND 519: CALENDAR YEARS 1901 TO 1915, AND FISCAL YEARS ENDED JUNE 30, 1916 TO 1930

[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			
1901	1,465,376	1,438,079	27,297	880,420	2,345,796	+584,956
1902	1,360,686	1,333,269	27,418	969,317	2,330,003	+391,369
1903	1,484,753	1,457,647	27,106	995,494	2,480,247	+489,259
1904	1,451,319	1,425,711	25,608	1,035,909	2,487,228	+415,410
1905	1,626,991	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	1,923,426	1,895,356	28,070	1,423,170	3,346,596	+500,256
1908	1,752,835	1,728,670	24,165	1,116,374	2,869,209	+636,461
1909	1,728,199	1,700,722	27,477	1,475,521	3,203,720	+252,678
1910	1,866,259	1,829,023	37,236	1,562,904	3,429,163	+303,355
1911	2,092,527	2,058,413	34,114	1,532,359	3,624,886	+560,168
1912	2,399,218	2,362,696	36,522	1,818,073	4,217,291	+581,145
1913	2,484,018	2,448,284	35,734	1,792,596	4,276,614	+691,422
1914	2,113,624	2,071,058	42,566	1,789,276	3,902,900	+324,348
1915	3,554,671	3,493,231	61,440	1,778,597	5,333,268	+1,776,074
1916	4,333,483	4,272,178	61,305	2,197,884	6,531,367	+2,135,599
1917	6,290,048	6,227,164	62,884	2,659,355	8,949,403	+3,630,693
1918	5,919,711	5,838,652	81,059	2,945,555	8,865,266	+2,974,056
1919	7,232,283	7,081,462	150,821	3,095,720	10,328,003	+4,136,563
1920	8,108,989	7,949,309	159,680	5,238,352	13,347,341	+2,870,637
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	7,737,692	+175,774
1924	4,311,656	4,223,973	87,683	3,554,037	7,865,693	+757,619
1925	4,864,580	4,778,154	86,426	3,824,128	8,688,708	+1,040,452
1926	4,753,382	4,653,148	100,234	4,464,872	9,218,254	+288,509
1927	4,968,100	4,867,346	100,753	4,252,024	9,220,124	+716,076
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	9,665,295	+1,081,519
1930	4,693,626	4,617,730	75,895	3,848,971	8,542,597	+844,655

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 (−)
1901	57,784	54,762	+3,022	55,638	31,147	+24,491	1,578,798	966,329	+612,469
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	1,265,377	+465,921
1906	46,709	155,579	−108,870	60,957	44,228	+16,729	1,905,909	1,520,309	+385,600
1907	55,216	143,398	−88,182	61,628	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	57,592	46,188	+11,404	1,918,672	1,595,796	+352,876
1910	58,775	59,223	−448	57,361	45,878	+11,483	1,982,395	1,668,005	+314,390
1911	37,183	57,445	−20,262	65,665	43,747	+21,918	2,195,375	1,633,551	+561,824
1912	47,425	66,549	−19,124	71,962	48,401	+23,561	2,518,605	1,933,023	+585,582
1913	91,799	63,705	+28,094	62,777	35,868	+26,909	2,638,594	1,892,169	+746,425
1914	222,616	57,388	+165,228	51,603	25,959	+25,644	2,387,843	1,872,623	+515,220
1915	81,426	451,955	−420,529	53,599	34,484	+19,115	3,639,696	2,265,036	+1,374,660
1916	90,250	494,009	−403,759	59,792	34,154	+25,638	4,483,525	2,726,047	+1,757,478
1917	291,921	977,176	−685,255	78,280	35,004	+43,276	6,660,249	3,671,535	+2,988,714
1918	190,852	124,413	+66,439	139,181	70,328	+68,853	6,249,744	3,140,396	+3,109,348
1919	116,576	62,364	+54,212	301,175	78,825	+222,350	7,650,034	3,236,909	+4,413,125
1920	466,421	150,540	+315,881	179,037	102,900	+76,137	8,754,447	5,491,792	+3,262,655
1921	133,538	638,560	−505,022	52,536	59,431	−6,895	6,702,584	4,352,450	+2,350,134
1922	27,345	468,318	−440,973	62,605	70,684	−7,989	3,861,196	3,147,081	+714,115
1923	49,022	284,090	−235,068	55,907	64,947	−9,040	4,061,662	4,129,996	−68,334
1924	10,207	417,026	−406,819	98,786	79,940	+18,846	4,420,649	4,051,003	+369,646
1925	248,780	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	4,964,802	4,744,999	+219,802
1927	103,844	251,756	−147,912	80,881	59,605	+21,276	5,152,825	4,563,385	+589,440
1928	627,102	129,140	+497,962	79,964	59,530	+20,434	5,584,137	4,336,169	+1,247,968
1929	112,291	267,428	−155,137	86,406	69,400	+17,006	5,572,104	4,628,716	+943,388
1930	119,196	342,340	−223,145	72,053	54,477	+17,576	4,884,875	4,245,788	+639,087

No. 521.—MERCHANDISE EXPORTS AND IMPORTS WITH TRADE BALANCES: FOR INDIVIDUAL YEARS 1790 TO 1885

NOTE.—**All figures in thousands of dollars.** Specie values. For later years see Table 518. Fiscal years ended Sept. 30, 1790 to 1842, June 30 thereafter

Year	Exports[1]	Imports[1]	Excess of exports (+) or imports (−)	Year	Exports	Imports	Excess of exports (+) or imports (−)	Year	Exports	Imports	Excess of exports (+) or imports (−)
1790	20,205	23,000	−2,795	1822	61,350	79,872	−18,522	1854	237,044	297,804	−60,760
1791	19,012	29,200	−10,188	1823	68,326	72,481	−4,155	1855	218,910	257,809	−38,899
1792	20,753	31,500	−10,747	1824	68,972	72,169	−3,197	1856	281,219	310,432	−29,213
1793	26,110	31,100	−4,990	1825	90,738	90,189	+549	1857	293,824	348,428	−54,604
1794	33,044	34,600	−1,556	1826	72,801	78,094	−5,203	1858	272,011	263,339	+8,672
1795	47,990	69,756	−21,766	1827	74,310	71,333	+2,977	1859	292,902	331,333	−38,431
1796	58,575	81,436	−22,861	1828	64,021	81,020	−16,999	1860	333,576	353,616	−20,040
1797	51,205	75,379	−24,084	1829	67,435	67,089	+346	1861	219,554	289,311	−69,757
1798	61,327	68,552	−7,225	1830	71,671	62,721	+8,950	1862	190,671	189,357	+1,314
1799	78,666	79,069	−403	1831	72,296	95,885	−23,589	1863	203,964	243,336	−39,372
1800	70,972	91,253	−20,281	1832	81,521	95,122	−13,601	1864	168,838	316,447	−157,609
1801	93,021	111,364	−18,343	1833	87,529	101,048	−13,519	1865	166,029	238,746	−72,717
1802	71,957	76,333	−4,376	1834	102,260	108,610	−6,350	1866	348,860	434,812	−85,952
1803	55,800	64,667	−8,867	1835	115,216	136,764	−21,548	1867	294,506	395,761	−101,255
1804	77,699	85,000	−7,301	1836	124,339	176,579	−52,240	1868	281,953	357,436	−75,483
1805	95,566	120,600	−25,034	1837	111,443	130,473	−19,030	1869	286,118	417,506	−131,388
1806	101,537	129,410	−27,873	1838	104,979	95,970	+9,009	1870	392,772	435,958	−43,186
1807	108,343	138,500	−30,157	1839	112,252	156,497	−44,245	1871	442,820	520,224	−77,404
1808	22,431	56,990	−34,559	1840	123,669	98,259	+25,410	1872	444,178	626,595	−182,417
1809	52,203	59,400	−7,197	1841	111,817	122,958	−11,141	1873	522,480	642,136	−119,656
1810	66,758	85,400	−18,642	1842	99,878	90,075	+3,803	1874	586,283	567,406	+18,877
1811	61,317	53,400	+7,917	1843[2]	82,826	42,433	+40,393	1875	513,443	533,005	−19,562
1812	38,527	77,030	−38,503	1844	105,746	102,605	+3,141	1876	540,385	460,741	+79,644
1813	27,856	22,005	+5,851	1845	106,040	113,184	−7,144	1877	602,475	451,323	+151,152
1814	6,927	12,965	−6,038	1846	109,583	117,914	−8,331	1878	694,866	437,052	+257,814
1815	52,558	113,041	−60,483	1847	156,742	122,424	+34,318	1879	710,439	445,778	+264,664
1816	81,920	147,103	−65,183	1848	138,191	148,639	−10,448	1880	835,639	667,955	+167,681
1817	87,672	99,250	−11,578	1849	140,351	141,206	−855	1881	902,377	642,665	+259,712
1818	93,281	121,750	−28,469	1850	144,376	173,510	−29,134	1882	750,542	724,640	+25,902
1819	70,143	87,125	−16,982	1851	188,915	210,771	−21,856	1883	823,839	723,181	+100,658
1820	69,692	74,450	−4,758	1852	166,984	207,440	−40,456	1884	740,514	667,698	+72,816
1821	54,496	54,521	−25	1853	203,489	263,777	−60,288	1885	742,190	577,527	+164,663

[1] Includes gold and silver prior to 1821.
[2] Period beginning Oct. 1, 1842, and ending June 30, 1843.

No. 522.—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 518. Import figures for 1791 to 1820 are based on general imports shown in Table 518, for 1821 to 1870, total imports less reexports, and for 1871 to date, imports for consumption, shown in Table 523

Yearly average	Exports	Imports	Yearly average or year	Exports	Imports	Year	Exports	Imports	Year	Exports	Imports
	Dollars	*Dollars*		*Dollars*	*Dollars*		*Dollars*	*Dollars*		*Dollars*	*Dollars*
1791–1800	10.08	12.75	1911–1915	23.98	17.46	1897	14.43	11.03	1914	23.61	19.32
1801–1810	11.82	14.71	1915–1920	61.20	31.37	1898	16.62	8.06	1915	27.13	16.46
1811–1820	6.96	9.53	1921–1925	38.05	30.22	1899	16.24	9.24	1916	53.01	23.06
1821–1830	4.71	5.02	1926–1930	38.50	33.02	1900	18.17	11.01	1917	59.48	28.14
1831–1840	5.85	6.91	1884	13.24	12.20	1901	18.69	10.34	1918	57.51	28.06
1841–1850	5.67	5.60	1885	12.97	10.34	1902	16.99	11.28	1919	72.69	35.90
1851–1860	8.48	9.78	1886	11.62	10.89	1903	17.10	12.38	1920	74.70	47.16
1861–1865	5.11	7.15	1887	12.00	11.60	1904	17.28	11.82	1921	39.86	23.27
1866–1870	8.35	10.73	1888	11.43	11.81	1905	17.62	12.84	1922	33.75	27.55
1871–1875	11.70	13.55	1889	11.95	12.02	1906	19.90	14.06	1923	36.11	32.95
1876–1880	14.01	10.18	1890	13.54	12.27	1907	21.08	16.09	1924	39.12	31.10
1881–1885	14.49	12.50	1891	13.09	13.27	1908	20.48	13.21	1925	41.30	35.80
1886–1890	12.12	11.73	1892	15.62	12.37	1909	17.96	14.05	1926	39.81	37.24
1891–1895	13.21	11.59	1893	12.53	12.56	1910	18.41	16.66	1927	39.63	34.67
1896–1900	15.60	10.03	1894	12.85	9.32	1911	21.34	16.19	1928	41.31	33.49
1901–1905	17.53	11.75	1895	11.51	10.01	1912	22.65	17.13	1929	41.77	35.14
1906–1910	19.54	14.82	1896	12.29	10.82	1913	24.97	18.17	1930	30.21	24.88

No. 523.—IMPORTS ENTERED FOR CONSUMPTION AND DUTIES THEREON

NOTE.—From 1821 to 1866, inclusive, the figures of import values represent total imports less reexports, and for 1867 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 or year	Values				Duties	Ratio of duties to total		Amount of duties per capita
	Total	Free	Dutiable	Per cent free		Free and dutiable	Dutiable	
	1,000 dollars	*1,000 dollars*	*1,000 dollars*		*1,000 dollars*	*Per cent*	*Per cent*	*Dollars*
1821–1830	50, 749	3, 325	53, 424	5. 86	26, 282	46. 31	49. 20	2. 32
1831–1840	104, 139	39, 680	64, 459	38. 10	24, 509	23. 53	38. 02	1. 63
1841–1850	110, 561	20, 347	90, 214	18. 40	26, 738	24. 18	29. 64	1. 32
1851–1860	267, 871	40, 685	227, 186	15. 19	54, 511	20. 35	23. 99	1. 99
1861–1865	237, 826	45, 110	192, 716	18. 97	65, 275	27. 45	33. 87	1. 96
1866–1870	393, 447	26, 242	367, 205	6. 67	174, 809	44. 43	47. 61	4. 75
1871–1875	563, 234	112, 458	450, 776	19. 97	183, 014	32. 49	40. 60	4. 40
1876–1880	482, 071	154, 501	327, 570	32. 05	143, 388	29. 74	43. 77	3. 03
1881–1885	663, 128	204, 673	458, 455	30. 86	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. 02
1896–1900	730, 411	341, 753	388, 658	46. 79	181, 328	24. 83	46. 65	2. 49
1901–1905	956, 891	428, 830	528, 061	44. 81	256, 469	26. 80	48. 57	3. 15
1906–1910	1, 328, 137	615, 416	712, 721	46. 34	305, 440	23. 00	42. 86	3. 41
1911–1915	1, 608, 028	966, 141	731, 887	56. 89	283, 408	16. 69	38. 72	2. 91
1915–1920[1]	3, 288, 839	2, 262, 412	1, 028, 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, 140, 137	2, 765, 397	1, 374, 740	66. 70	550, 742	13. 30	40. 06	4. 40
1887	679, 644	229, 319	450, 325	33. 74	214, 222	31. 52	47. 57	3. 66
1888	707, 091	238, 947	468, 144	33. 78	216, 042	30. 55	46. 15	3. 61
1889	734, 681	249, 824	484, 857	34. 05	220, 576	30. 02	45. 49	3. 61
1890	765, 708	258, 137	507, 571	33. 71	226, 540	29. 59	44. 63	3. 63
1891	845, 483	379, 028	466, 455	44. 83	216, 885	25. 65	46. 50	3. 40
1892	804, 207	448, 771	355, 526	55. 78	174, 124	21. 65	48. 98	2. 68
1893	832, 732	432, 450	400, 282	51. 93	199, 143	23. 91	49. 75	3. 00
1894	630, 107	372, 462	257, 645	59. 11	120, 558	20. 56	50. 20	1. 92
1895	731, 162	376, 890	354, 272	51. 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. 39	172, 760	21. 89	42. 41	2. 41
1898	587, 153	291, 534	295, 619	49. 65	145, 438	24. 77	49. 20	2. 00
1899	635, 441	299, 669	335, 772	43. 72	202, 072	29. 48	52. 38	2. 73
1900	830, 519	366, 760	463, 759	44. 16	229, 360	27. 62	49. 46	3. 04
1901	807, 763	339, 093	468, 670	41. 98	233, 556	28. 91	49. 83	2. 99
1902	899, 793	396, 542	503, 251	44. 01	251, 453	27. 95	49. 97	3. 15
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. 56	258, 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	525, 704	657, 416	44. 43	282, 582	23. 88	42. 98	3. 15
1909	1, 281, 641	599, 376	682, 265	46. 77	294, 667	22. 99	43. 19	3. 23
1910	1, 547, 109	761, 353	785, 756	49. 21	326, 561	21. 11	41. 56	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, 689	986, 972	779, 717	55. 87	312, 509	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, 948, 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, 201	2, 140, 947	778, 344	73. 34	204, 585	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. 66
1922	3, 073, 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	36. 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, 076	2, 908, 107	1, 499, 969	65. 97	590, 045	13. 39	39. 34	4. 98
1927	4, 163, 090	2, 680, 059	1, 483, 031	64. 38	574, 839	13. 81	38. 76	4. 79
1928	4, 077, 937	2, 678, 633	1, 399, 304	65. 68	542, 270	13. 30	38. 76	4. 45
1929	4, 338, 572	2, 880, 128	1, 458, 444	66. 38	584, 771	13. 48	40. 10	4. 74
1930	3, 114, 077	2, 081, 123	1, 032, 954	66. 83	461, 790	14. 83	44. 71	3. 69

[1] Period July 1, 1915, to Dec. 31, 1920.

No. 524.—PERCENTAGE DISTRIBUTION OF EXPORTS AND IMPORTS OF MERCHANDISE, BY ECONOMIC CLASSES

NOTE.—Percentages are based on figures shown in Table 525

Year or yearly average	Per cent of total exports of United States merchandise					Per cent of total general imports				
	Crude materials	Crude foodstuffs	Manufactured foodstuffs	Semi-manufactures	Finished manufactures	Crude materials	Crude foodstuffs	Manufactured foodstuffs	Semi-manufactures	Finished manufactures
1821	60.62	4.79	19.51	9.42	5.66	4.66	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	56.97
1840	67.83	4.09	14.27	4.34	9.47	12.36	15.54	15.46	11.56	45.09
1850	62.36	5.59	14.84	4.49	12.72	7.24	10.38	12.37	14.08	54.93
1851–1860	61.67	6.61	15.39	4.01	12.32	9.63	11.70	15.43	12.50	50.74
1861–1865	19.97	22.13	34.42	5.69	17.78	14.12	14.29	17.47	13.60	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	30.27
1876–1880	32.24	23.93	24.39	4.55	14.87	18.55	18.56	21.49	12.45	29.35
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	15.76	29.33
1891–1895	33.67	17.21	27.22	6.32	15.57	23.59	18.66	17.92	14.37	25.45
1896–1900	26.11	18.90	24.01	9.04	21.33	29.47	15.08	15.93	13.35	26.17
1901–1905	30.27	12.19	22.16	11.30	24.07	33.38	12.92	12.36	16.65	24.69
1906–1910	31.68	8.90	18.12	14.23	27.07	34.56	10.98	11.60	17.82	24.84
1911–1915	30.74	8.83	14.32	15.41	30.70	34.91	12.80	12.56	17.37	22.36
1915–1920[1]	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	13.98	12.45	36.33	37.40	11.09	12.99	17.66	20.86
1926–1930	24.40	6.40	9.72	14.14	45.35	36.80	12.56	9.88	18.89	21.88
1910–1914	33.48	5.94	13.84	16.03	30.71	35.23	12.03	11.50	18.18	23.05
1915–1919[2]	16.13	9.62	18.09	16.67	39.47	41.33	12.42	14.14	17.64	14.50
1887	35.94	17.80	25.00	5.22	15.99	21.86	15.36	16.14	17.34	29.29
1888	40.00	12.63	24.84	5.88	16.65	22.65	16.03	15.34	16.80	29.17
1889	39.85	13.54	23.90	5.85	16.87	23.11	16.53	16.41	15.44	28.52
1890	36.61	15.62	26.59	5.50	15.68	22.79	16.28	16.89	14.81	29.23
1891	40.28	12.17	25.96	5.49	16.09	22.79	17.88	17.48	16.15	25.75
1892	31.48	25.84	24.66	4.95	13.07	23.54	21.22	16.89	13.63	24.72
1893	30.28	18.43	29.73	5.94	15.63	25.00	15.19	17.75	15.65	26.40
1894	32.60	15.30	28.77	7.72	15.61	20.56	20.36	23.72	12.65	22.72
1895	33.94	12.50	27.61	7.85	18.10	25.62	19.31	14.63	13.18	27.26
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	9.52	20.63	26.25	16.79	16.00	11.57	28.48
1898	24.44	25.21	23.54	8.43	18.38	31.44	16.88	13.97	12.88	24.84
1899	23.75	19.35	25.31	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	16.83	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	34.13	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	21.52	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	26.76	34.55	10.95	11.44	17.96	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	11.06	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	30.98	34.66	13.93	11.86	17.77	21.78
1913	30.48	7.49	13.23	16.83	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.)	10.66	8.67	10.08	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	10.83	14.13	17.45	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	10.59	12.44	17.76	21.30
1923	29.54	6.29	14.26	13.78	36.12	37.10	9.58	13.98	19.00	20.34
1924	29.63	8.73	12.75	13.57	35.32	34.86	11.77	14.26	18.17	20.76
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	10.67	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	22.15
1929	22.15	5.23	9.40	14.13	49.09	35.43	12.24	9.83	20.12	22.58
1930	21.93	4.72	9.59	13.56	50.20	32.74	13.07	9.59	19.87	24.73

[1] Period July 1, 1915, to Dec. 31, 1920.

[2] Fiscal years.

No. 525.—EXPORTS OF UNITED STATES MERCHANDISE

NOTE.—**All figures in thousands of dollars.** Merchandise only, specie values. Figures cover fiscal years covered by each class see Annual Commerce and Navigation of the United States. Owing to the special also shown

Yearly average or year	Exports of United States merchandise					
	Total	Crude materials	Crude foodstuffs	Manufactured foodstuffs	Semi-manufactures	Finished manufactures
1821	51, 684	31, 332	2, 475	10, 085	4, 867	2, 925
1830	58, 525	36, 665	2, 724	9, 557	4, 118	5, 462
1840	111, 661	75, 735	4, 565	15, 936	4, 841	10, 584
1850	134, 900	84, 124	7, 536	20, 017	6, 061	17, 162
1851–1860	232, 149	143, 156	15, 337	35, 734	9, 317	28, 605
1861–1865	170, 198	33, 990	37, 670	58, 585	9, 086	30, 267
1866–1870	307, 696	177, 296	27, 858	42, 306	14, 408	45, 828
1871–1875	486, 128	218, 449	75, 206	95, 282	22, 681	74, 509
1876–1880	663, 650	213, 989	158, 853	161, 915	30, 174	98, 719
1881–1885	774, 007	261, 645	162, 714	197, 457	37, 044	115, 747
1886–1890	725, 685	276, 703	108, 708	181. 521	40, 023	118, 730
1891–1895	876, 326	295, 087	150, 846	238, 580	55, 343	136, 470
1896–1900	1, 136, 039	295, 664	214, 778	272, 759	109, 500	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	473, 890
1911–1915	2, 331, 648	716, 637	205, 939	333, 971	359, 239	715, 861
1915–1920 [1]	6, 416, 513	1, 108, 995	587, 588	1, 133, 226	987, 185	2, 539, 520
1921–1925	4, 310, 221	1, 187, 056	420, 002	600, 710	536, 793	1, 565, 660
1926–1930	4, 687, 788	1, 143, 762	299, 794	455, 814	662, 688	2, 125, 730
1910–1914	2, 130, 429	713, 184	126, 506	294, 908	341. 620	654, 211
1915–1919 [2]	5, 227, 127	843, 258	502, 763	945, 729	871, 731	2, 063, 646
1887	703, 023	252, 634	125, 454	175, 785	36, 732	112, 418
1888	683, 862	273, 553	86, 368	169, 872	40, 176	113, 893
1889	730, 282	291, 034	98, 847	174, 504	42, 713	123, 184
1890	845, 294	309, 482	132, 073	224, 757	46, 455	132, 527
1891	872, 270	351, 355	106, 156	226, 448	47, 961	140, 350
1892	1, 015, 732	319, 761	262, 456	250, 439	50, 284	132, 792
1893	831, 031	251, 669	153, 278	247, 075	49, 071	129, 938
1894	869, 205	283, 357	133, 197	249, 346	67, 145	135, 659
1895	793, 393	269, 294	99, 145	219, 090	62, 254	143, 610
1896	893, 201	257, 227	128, 551	219. 413	76, 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, 537
1899	1, 203, 931	285, 887	232, 903	304, 755	117, 730	262, 657
1900	1, 370, 764	340, 139	225. 906	319, 690	153. 276	331, 747
1901	1, 400, 463	411. 377	245, 836	337, 153	148, 351	317, 746
1902	1, 335, 482	387, 711	184, 786	328, 832	132, 206	321, 947
1903	1, 392, 232	415, 543	185, 308	323, 245	140, 667	327, 469
1904	1, 435, 179	466, 984	135. 747	308, 836	174, 877	348, 735
1905	1, 491, 745	478, 518	118, 185	283, 065	209, 926	402, 050
1906	1, 717, 954	507, 328	177, 216	347, 385	226, 211	459, 813
1907	1, 853, 718	600, 540	167, 348	345, 707	259, 442	480. 681
1908	1, 834, 786	563, 197	189, 052	331. 962	261, 106	489. 470
1909	1, 638, 356	528, 691	135. 694	302, 555	231, 144	440, 272
1910	1, 710, 084	574, 015	109, 825	259, 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, 899	318, 839	348, 150	672, 268
1913	2, 428, 506	740. 290	181. 907	321, 204	408, 807	776, 297
1914	2, 329, 684	799, 838	137, 495	293, 210	374, 224	724, 908
1915	2, 716, 178	591, 282	506, 993	454, 875	355, 862	807, 466
1915 (6 mos.)	1, 820, 393	303. 228	157, 897	292, 720	268, 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	6. 047, 875	972, 107	547, 436	1, 405, 820	1, 053, 270	2, 069, 242
1919	7. 749, 816	1, 623, 085	678, 363	1. 962, 616	922. 246	2, 563, 505
1920	8, 080, 481	1, 882, 530	917, 991	1, 116, 605	958, 497	3, 204, 858
1921	4, 378, 928	983, 553	673, 334	685, 025	410, 107	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, 849	1, 332, 746	392, 691	573, 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, 956, 781
1927	4, 758, 804	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, 382	269, 590	484, 304	729, 013	2, 531, 823
1930	3, 781, 172	829, 098	178, 533	362, 650	512, 802	1, 898, 089

[1] Period July 1, 1915, to Dec. 31, 1920.

AND GENERAL IMPORTS, BY ECONOMIC CLASSES

ended Sept. 30, 1821 to 1840, and June 30, 1850 to 1915; calendar thereafter, except as noted. For articles influence of the war on the character of our trade, averages for the fiscal years 1910–1914 and 1915–1919 are

Imports						Yearly average or year
Total	Crude materials	Crude foodstuffs	Manufactured foodstuffs	Semimanufactures	Finished manufactures	
54, 521	2, 540	6, 081	10, 821	4, 079	30, 999	1821.
62, 721	4, 797	7, 882	9, 654	5, 152	35, 735	1830.
98, 259	12, 140	15, 274	15, 189	11, 356	44, 300	1840.
173, 510	12, 556	18, 012	21, 466	26, 163	95, 313	1850.
284, 475	27, 394	33, 286	43, 904	35, 559	144, 332	1851–1860.
255, 439	36, 064	36, 504	44, 613	34, 744	103, 514	1861–1865.
408, 204	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, 570	91, 353	89, 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	113, 045	210, 396	1886–1890.
785, 137	185, 222	146, 510	140, 726	112, 533	199, 846	1891–1895.
741, 519	218, 517	111, 843	118, 124	99, 005	194, 030	1896–1900.
972, 162	324, 508	125, 644	120, 218	161, 809	239, 983	1901–1905.
1, 344, 838	464, 809	147, 706	158, 658	239, 577	334, 088	1906–1910.
1, 712, 319	597, 701	219, 035	215, 144	297, 476	382, 963	1911–1915.
3, 358, 354	1, 347, 667	408, 152	544, 549	574, 421	483, 566	1915–1920.[1]
3, 450, 103	1, 290, 375	382, 539	448, 089	609, 225	719, 875	1921–1925.
4, 033, 468	1, 484, 123	506, 616	398, 310	762, 034	882, 385	1926–1930.
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.[2]
692, 320	151, 863	106, 362	111, 715	120, 080	202, 800	1887.
723, 957	163, 908	116, 087	111, 048	121, 605	211, 219	1888.
745, 132	172, 184	123, 131	122, 254	115, 080	212, 483	1889.
789, 310	179, 889	128, 480	133, 332	116, 924	230, 686	1890.
844, 916	192, 531	150, 039	147, 722	136, 446	217, 578	1891.
827, 402	194, 776	175, 559	139, 795	112, 729	204, 544	1892.
866, 401	216, 624	131, 664	153, 739	135, 609	228, 765	1893.
654, 995	134, 643	133, 310	155, 349	82, 895	148, 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, 050	193, 660	103, 985	86, 091	79, 289	153, 025	1898.
697, 148	213, 207	98, 933	123, 448	91, 954	169, 516	1899.
849, 941	281, 649	97, 916	133, 028	134, 222	203, 126	1900.
823, 172	254, 164	110, 385	125, 541	127, 577	205, 505	1901.
903, 321	308, 613	120, 280	95, 350	147, 656	231, 421	1902.
1, 025, 719	336, 388	119, 203	116, 620	195, 751	257, 757	1903.
991, 087	327, 549	132, 224	118, 223	160, 234	252, 858	1904.
1, 117, 513	395, 826	146, 131	145, 356	177, 828	252, 372	1905.
1, 226, 562	423, 789	134, 315	140, 358	220, 299	307, 801	1906.
1, 434, 421	487, 728	149, 748	158, 656	274, 006	364, 193	1907.
1, 194, 342	373, 889	145, 578	147, 009	196, 248	331, 618	1908.
1, 311, 920	466, 901	104, 111	165, 701	222, 102	299, 106	1909.
1, 556, 947	577, 743	144, 777	181, 566	285, 138	367, 723	1910.
1, 527, 226	524, 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	223, 930	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	530, 603	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, 906	493, 203	1919.
5, 278, 481	1, 783, 534	577, 627	1, 238, 139	802, 456	876, 725	1920.
2, 509, 148	858, 358	300, 181	368, 311	361, 747	620, 051	1921.
3, 112, 747	1, 179, 894	329, 809	387, 419	552, 677	662, 947	1922.
3, 792, 066	1, 406, 797	363, 032	530, 208	720, 729	771, 300	1923.
3, 609, 963	1, 258, 256	424, 873	521, 600	655, 888	749, 346	1924.
4, 226, 589	1, 748, 065	494, 800	432, 906	755, 085	795, 733	1925.
4, 430, 888	1, 792, 292	539, 818	417, 817	804, 333	876, 628	1926.
4, 184, 742	1, 600, 809	504, 686	450, 849	749, 801	878, 597	1927.
4, 091, 444	1, 466, 734	549, 892	405, 814	762, 831	906, 173	1928.
4, 399, 361	1, 558, 620	538, 560	423, 622	885, 051	993, 508	1929.
3, 060, 908	1, 002, 161	400, 125	293, 448	608, 153	757, 021	1930.

[1] Fiscal years.

No. 526.—GENERAL IMPORTS, FREE AND DUTIABLE,

NOTE.—All figures in thousands of dollars. Merchandise only, specie values. Figures cover fiscal
percentage free in general imports is normally slightly lower than in imports for consumption because
imports. Moreover, since 1922, there is an understatement of the free goods in general imports,

Year or yearly average	Total			Crude materials			Crude foodstuffs and food animals		
	Free	Dutiable	Per cent free	Free	Dutiable	Per cent free	Free	Dutiable	Per cent 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	60	99.6
1850	18,082	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	23.6	30,166	3,121	90.6
1861–1865	48,948	206,491	19.2	10,759	25,305	29.8	17,365	19,140	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	154,083	337,887	31.4	60,902	30,450	66.7	74,806	14,654	83.6
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	90,035	23,095	79.6
1891–1895	402,363	382,774	51.2	143,613	41,610	77.5	124,808	21,702	85.2
1896–1900	342,125	399,394	46.1	177,649	40,868	81.3	88,359	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	491,948	105,753	82.3	181,170	37,865	82.7
1915–1920 [1]	2,258,608	1,099,747	67.3	1,195,593	152,074	88.7	349,926	58,226	85.7
1921–1925	2,060,303	1,389,800	59.7	1,036,581	253,794	80.3	302,242	80,297	79.0
1926–1930	2,597,197	1,436,271	64.4	1,228,971	255,152	82.8	407,540	99,075	80.4
1910–1914	905,796	783,078	53.6	477,331	117,026	80.2	164,554	38,651	81.0
1915–1919 [2]	1,744,767	769,789	69.4	925,417	113,949	53.0	263,025	49,033	84.3
1887	234,221	458,099	33.8	100,459	50,904	66.4	84,826	21,536	70.8
1888	244,072	479,885	33.7	107,043	56,955	65.3	87,121	28,966	75.0
1889	256,487	488,645	34.4	107,210	64,974	62.3	100,507	22,624	81.6
1890	265,668	523,642	33.7	112,495	67,394	62.5	106,515	21,965	82.9
1891	366,241	478,675	43.3	139,855	52,676	72.6	126,337	24,302	83.9
1892	457,999	369,403	55.4	149,159	45,616	76.6	155,831	19,728	88.8
1893	444,544	421,857	51.3	165,928	50,607	76.6	106,769	24,895	81.1
1894	379,796	275,199	58.0	106,654	27,989	79.2	114,255	19,054	85.7
1895	363,234	368,736	49.6	156,464	31,073	83.4	120,847	20,530	85.5
1896	369,758	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	17,996	91.0	108,089	20,291	84.2
1898	291,414	324,636	47.3	147,341	46,319	76.1	86,145	17,840	82.8
1899	300,280	396,868	43.1	168,653	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	339,609	483,563	41.3	191,155	63,009	75.2	80,961	29,424	73.3
1902	396,819	506,602	43.9	233,242	75,371	75.6	90,287	29,993	75.1
1903	426,181	599,538	41.6	249,276	87,112	74.1	86,622	32,581	72.7
1904	454,130	536,957	45.8	249,998	77,552	76.3	110,481	21,742	83.6
1905	517,442	600,071	46.3	292,921	102,905	71.5	126,254	19,877	86.4
1906	549,624	676,938	44.8	312,290	111,499	73.7	114,305	20,010	85.1
1907	644,030	790,391	44.9	366,164	121,564	75.1	125,047	24,701	83.5
1908	525,603	668,739	44.0	282,943	90,946	75.7	116,510	29,068	80.0
1909	599,557	712,363	45.7	334,957	125,944	72.7	131,621	32,490	80.2
1910	755,311	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	53.3	453,931	119,117	79.2	180,127	50,231	78.2
1913	987,524	825,484	54.5	519,103	130,334	79.9	179,829	31,917	84.9
1914	1,127,503	766,423	59.5	590,000	89,740	86.2	201,868	46,080	81.4
1915	1,033,527	640,943	61.7	517,034	74,428	87.4	196,763	27,167	87.9
1915 (5 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	89.6	216,570	43,562	83.3
1917	2,135,552	816,916	72.3	1,169,041	117,038	90.9	316,965	68,759	82.2
1918	2,230,353	800,860	73.6	1,092,837	140,860	88.6	283,535	62,118	82.0
1919	2,608,703	1,205,662	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 [3]	1,871,017	1,240,330	60.1	963,150	216,744	81.6	249,600	80,209	75.7
1923 [3]	2,135,942	1,656,124	56.3	1,091,303	315,404	77.6	279,222	83,310	76.9
1924 [3]	2,080,096	1,529,867	57.6	977,635	280,621	77.7	335,741	89,132	79.0
1925 [3]	2,661,266	1,575,323	62.7	1,400,083	347,982	80.1	392,942	101,858	79.4
1926 [3]	2,853,411	1,577,477	64.4	1,483,772	308,520	82.8	438,594	101,224	81.2
1927 [3]	2,621,873	1,562,869	62.7	1,315,237	285,572	82.2	392,971	111,715	77.9
1928 [3]	2,616,239	1,475,205	63.9	1,222,411	244,323	83.3	431,587	118,305	78.5
1929 [3]	2,843,354	1,556,007	64.6	1,289,317	269,303	83.0	443,372	95,188	82.4
1930 [3]	2,051,110	1,009,798	67.0	834,120	168,041	83.2	331,179	68,946	82.8

[1] Period July 1, 1915, to Dec. 31, 1920.

[3] Fiscal years.

AND PER CENT FREE, BY ECONOMIC CLASSES

years ended Sept. 30, 1921 to 1840, and June 30, 1850 to 1915, calendar thereafter, except as noted. The relatively more of the dutiable general imports are reported as reexported than of the free general resulting from the facts set forth in Table 527

Manufactured foodstuffs			Semimanufactures			Finished manufactures			Year or yearly average
Free	Dutiable	Per cent free	Free	Dutiable	Per cent free	Free	Dutiable	Per cent free	
---	10,821	---	488	3,591	12.0	55	30,944	0.2	1821.
---	9,654	---	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	1851–1860.
4,671	39,942	10.5	7,980	26,764	23.0	8,173	95,341	7.9	1861–1865.
1,847	79,534	2.3	6,722	49,910	11.9	4,906	163,543	2.9	1866–1870.
371	115,589	.3	6,255	72,105	8.0	5,552	203,216	2.7	1871–1875.
3,244	102,621	3.1	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	5.8	1881–1885.
13,664	104,560	11.6	19,175	93,870	17.0	14,086	195,709	7.0	1886–1890.
92,078	48,649	65.4	25,614	87,219	22.7	15,251	183,594	8.1	1891–1895.
18,950	99,173	16.0	34,565	64,440	34.9	22,602	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.
5,498	153,160	3.5	102,198	137,379	42.7	38,835	295,253	11.0	1906–1910.
25,626	189,517	11.9	167,863	129,612	56.4	94,832	288,131	24.8	1911–1915.
73,142	471,407	13.4	424,243	150,177	73.9	215,704	267,862	44.6	1915–1920.[1]
56,620	391,469	12.6	411,802	197,423	67.6	253,058	466,817	35.2	1921–1925.
73,700	324,603	18.5	543,245	218,789	71.3	343,735	538,650	39.0	1926–1930.
17,290	177,022	8.9	100,166	146,902	52.2	76,455	302,877	22.2	1910–1914.
59,384	296,122	16.7	340,677	102,970	76.8	150,464	207,715	43.0	1915–1919.[2]
11,095	100,620	9.9	20,282	99,798	16.9	17,559	185,241	8.7	1887.
15,222	95,826	13.7	20,657	100,947	17.0	14,028	197,191	6.6	1888.
16,062	106,192	13.1	19,655	95,425	17.1	13,052	199,430	6.1	1889.
15,375	117,957	11.5	19,275	97,650	16.5	12,009	218,677	5.2	1890.
62,119	85,603	42.1	23,435	113,011	17.2	14,495	203,082	6.7	1891.
111,614	28,180	79.8	26,437	86,203	23.5	14,959	189,585	7.3	1892.
121,858	31,881	79.3	33,114	102,495	24.4	16,876	211,889	7.4	1893.
130,454	24,895	84.0	15,129	67,765	18.3	13,302	135,490	8.9	1894.
34,343	72,683	32.1	29,955	66,531	31.0	21,625	177,919	10.8	1895.
15,903	102,902	13.4	37,718	63,353	37.3	30,588	196,051	13.5	1896.
17,082	112,163	13.2	39,566	48,925	44.7	34,427	183,417	15.8	1897.
18,874	67,217	21.9	23,739	55,550	29.9	15,316	137,709	10.0	1898.
19,783	103,665	16.0	26,226	65,728	28.5	15,670	153,847	9.2	1899.
23,110	109,918	17.4	45,578	88,644	34.0	17,007	186,119	8.4	1900.
2,817	122,724	2.2	44,700	82,877	35.0	19,976	185,530	9.7	1901.
3,068	92,283	3.2	51,138	96,519	34.6	19,084	212,336	8.2	1902.
3,417	113,203	2.9	67,258	128,403	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.
3,317	142,039	2.3	71,061	106,767	40.0	23,890	228,482	9.5	1905.
3,349	137,009	2.4	91,172	129,126	41.4	28,508	279,294	9.3	1906.
4,105	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	35,961	295,657	10.8	1908.
5,177	160,524	3.1	95,079	127,023	42.8	32,723	266,384	10.9	1909.
9,391	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	64,928	296,495	18.0	1911.
16,629	179,471	8.5	153,258	140,481	52.2	77,725	282,294	21.6	1912.
10,889	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	229,001	31.8	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	78.6	168,270	224,178	42.9	1917.
91,724	305,646	23.1	561,448	88,137	86.4	200,809	204,099	49.6	1918.
69,504	486,304	12.5	399,579	209,418	65.6	240,601	252,602	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	267,887	352,164	43.2	1921.
43,115	344,304	11.1	370,871	181,806	67.1	245,181	417,767	37.0	1922.[3]
52,164	478,044	9.8	471,775	248,954	65.5	241,388	529,912	31.3	1923.[3]
62,044	459,556	11.9	462,898	192,989	70.6	241,778	507,568	32.3	1924.[3]
72,171	360,735	16.7	517,010	238,075	68.5	269,060	526,673	33.8	1925.[3]
57,192	360,625	13.7	568,379	235,954	70.7	305,481	571,147	34.8	1926.[3]
75,698	375,151	16.8	527,187	222,614	70.3	310,780	567,817	35.4	1927.[3]
75,115	330,699	18.5	541,456	221,375	71.0	345,671	560,502	38.1	1928.[3]
82,375	341,247	19.4	630,586	254,465	71.2	397,704	595,804	40.0	1929.[3]
78,153	215,295	26.6	448,618	159,536	73.8	359,041	397,081	47.4	1930.[3]

[1] See headnote and supplemental Table No. 527, p. 498.

No. 527.—SUPPLEMENT TO TABLES 526 AND 538: FREE AND DUTIABLE GENERAL IMPORTS OF MERCHANDISE ADJUSTED FOR VALUES OF WHEAT AND WOOL CLASSIFIED AS DUTIABLE BUT ENTERED FREE UNDER SPECIAL PROVISIONS, 1922 TO 1933

NOTE.—**All figures in thousands of dollars.** Since 1922 there is an understatement of the value of free goods in the figures for general imports resulting from the following facts: (1) Wheat imported (practically all coming from Canada) for 1922 to 1928 was all reported as dutiable when first entered, but most of it was subsequently used for milling-in-bond for export and in that case no duty is collected; (2) carpet wool for 1922 to 1930 was nearly all reported as dutiable when first entered but most of it is subsequently used for making carpets in which case no duty is collected. These shifts affect the general total and the totals for the economic classes of crude materials, and crude foodstuffs in Table 526. The following table shows for these classes approximately the proportions free and dutiable since 1922 after adjusting for these shifts. It also shows approximate adjusted figures of free and dutiable imports from Canada. The shift of carpet wool from dutiable to free likewise affects somewhat the proportions free and dutiable in imports from other countries supplying carpet wool (principally United Kingdom, China, Argentina, Chile, and India), but no adjustments have been made for such countries or for continent totals. See Table 526 of the 1930 Statistical Abstract for adjustments for 1922

	1923	1924	1925	1926	1927	1928	1929	1930
WHEAT								
Imports entered for consumption:								
Total	19,227	16,224	16,703	22,129	14,679	23,189	(1)	(1)
Free for manufacture and export	10,340	9,647	15,001	21,480	14,551	22,908	(1)	(1)
Per cent free	53.8	59.5	89.8	97.1	99.8	98.8	(1)	(1)
General imports dutiable	19,229	15,590	19,343	[3] 19,692	15,344	22,040	(1)	(1)
Estimated general imports classified as dutiable but entered free under special provision	10,345	9,276	17,370	[3] 18,982	15,313	21,776	(1)	(1)
CARPET WOOL								
Imports entered for consumption:								
Total	25,713	33,092	42,416	33,075	35,550	39,556	46,148	11,706
Free for manufacture into carpets	22,644	29,543	38,439	29,978	32,809	35,674	41,459	9,133
Per cent free	88.1	89.3	90.6	90.6	92.3	90.2	89.8	78.4
General imports free and dutiable:								
Total	26,304	34,174	47,232	30,102	37,470	37,947	40,988	18,994
Estimated general imports entered free	23,174	30,517	42,792	27,272	34,585	34,288	42,195	14,891
Carpet wool entered free	2,484	3,619	5,345	5,214	3,712	4,993	6,877	2,113
Estimated general imports classified as dutiable but entered free under special provision	20,690	26,898	37,447	22,058	30,873	29,295	35,318	12,778

	1923		1924		1925		1926	
	Reported	Adjusted	Reported	Adjusted	Reported	Adjusted	Reported	Adjusted
All commodities	3,792,066	3,792,066	3,609,963	3,609,963	4,226,589	4,226,589	4,430,888	4,430,888
Free	2,135,942	2,166,977	2,080,096	2,116,270	2,651,266	2,706,083	2,853,411	2,894,451
Dutiable	1,656,124	1,625,089	1,529,867	1,493,693	1,575,322	1,520,506	1,577,477	1,536,437
Per cent free	56.3	57.1	57.6	58.6	62.7	64.0	64.4	65.3
Crude foodstuffs	383,032	383,032	424,873	424,873	494,800	494,800	539,818	539,818
Free	279,222	289,567	335,741	345,017	392,942	410,312	438,594	457,576
Dutiable	83,810	73,465	89,132	79,856	101,858	84,488	101,224	82,242
Per cent free	76.9	79.8	79.0	81.2	79.4	82.9	81.2	84.8
Crude materials	1,406,797	1,406,797	1,258,256	1,258,256	1,748,065	1,748,065	1,792,292	1,792,292
Free	1,091,393	1,112,083	977,635	1,004,533	1,400,083	1,437,530	1,483,772	1,505,830
Dutiable	315,404	294,714	280,621	253,723	347,982	310,535	308,520	286,462
Per cent free	77.6	79.0	77.7	79.8	80.1	82.2	82.8	84.0
From Canada	416,005	418,005	399,148	399,148	454,235	454,236	475,881	475,881
Free	310,024	320,369	300,330	309,606	331,763	349,133	352,245	371,227
Dutiable	105,981	95,636	98,818	89,542	122,473	105,103	123,636	104,654

	1927		1928		1929		1930	
	Reported	Adjusted	Reported	Adjusted	Reported	Adjusted	Reported	Adjusted
All commodities	4,184,742	4,184,742	4,091,444	4,091,444	4,399,361	4,399,361	3,060,908	3,060,908
Free	2,621,873	2,668,069	2,616,239	2,667,310	2,843,354	2,878,672	2,051,110	2,063,888
Dutiable	1,562,869	1,516,683	1,475,205	1,424,134	1,556,007	1,520,689	1,009,798	997,020
Per cent free	62.7	63.8	63.9	65.2	64.6	65.4	67.0	67.4
Crude foodstuffs	504,686	504,686	549,892	549,892	(1)	(1)	(1)	(1)
Free	392,971	408,284	431,587	453,363	(1)	(1)	(1)	(1)
Dutiable	111,715	96,402	118,305	96,529	(1)	(1)	(1)	(1)
Per cent free	77.9	80.9	78.5	82.4	(1)	(1)	(1)	(1)
Crude materials	1,600,809	1,600,809	1,466,734	1,466,734	1,558,620	1,558,620	1,002,161	1,002,161
Free	1,315,237	1,346,110	1,222,411	1,251,706	1,289,317	1,324,635	834,120	846,898
Dutiable	285,572	254,699	244,323	215,028	269,303	233,985	168,041	155,263
Per cent free	82.2	84.1	83.3	85.3	83.0	85.0	83.2	84.5
From Canada	475,028	475,028	489,303	489,303	(1)	(1)	(1)	(1)
Free	344,193	359,506	355,484	377,260	(1)	(1)	(1)	(1)
Dutiable	130,835	115,522	133,819	112,043	(1)	(1)	(1)	(1)

[1] All grain for milling-in-bond reported free when entered; therefore no adjustment is necessary.
[2] Includes wheat valued at $139,000 entered free.
[3] Wheat valued at $139,000 entered free.

No. 528.—PERCENTAGE DISTRIBUTION OF EXPORTS AND GENERAL IMPORTS, BY CONTINENTS

NOTE.—Percentages are based on figures shown in Table 529. See headnote to that table

Yearly average or year	Per cent of total exports							Per cent of total imports						
	North America		South America	Europe[1]	Asia	Oceania	Africa	North America		South America	Europe	Asia	Oceania	Africa
	Northern[1]	Southern						Northern	Southern					
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	6.4	66.1	2.7	(2)	.3	.6	17.2	7.8	64.0	10.0	(2)	.4
1840	4.9	13.9	4.6	74.4	1.3	.3	.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	6.9	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	19.5	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	6.4	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	17.0	13.8	50.3	11.3	.9	.5
1881–1885	5.4	5.7	3.6	81.1	2.2	1.6	.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	6.8	3.7	79.5	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	52.6	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	51.3	15.4	.9	1.1
1906–1910	10.2	8.7	4.6	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	46.6	15.8	1.1	1.4
1915–1920[3]	12.0	7.7	5.5	63.2	8.6	1.7	1.3	12.7	17.5	17.6	29.3	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	9.4	46.8	12.0	3.7	2.3	11.9	11.4	13.5	30.0	29.6	1.3	2.3
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[4]	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
1887	5.1	5.2	4.3	80.3	2.8	1.9	.4	5.5	13.4	11.5	56.4	10.5	2.1	.5
1888	5.4	6.1	4.3	78.9	2.8	2.1	.4	6.0	13.4	11.7	56.2	10.1	2.2	.5
1889	5.7	6.3	4.7	78.0	2.6	2.2	.5	5.8	14.5	12.4	54.1	10.2	2.6	.5
1890	4.9	6.1	4.5	79.7	2.4	1.9	.5	5.0	13.8	11.4	57.1	10.2	2.1	.4
1891	4.5	6.4	3.8	79.7	2.9	2.1	.5	4.7	14.8	14.1	54.5	9.3	2.4	.5
1892	4.4	5.9	3.2	82.6	2.0	1.5	.5	4.3	16.8	18.2	47.3	10.7	2.0	.6
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	6.9	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	6.9	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	6.3	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	6.9	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	1.5	4.5	11.5	12.4	50.8	16.0	3.2	1.5
1900	7.0	6.5	2.8	74.6	4.8	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	72.5	4.4	2.4	2.7	5.4	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	50.3	15.7	.8	1.0
1905	9.4	7.7	3.7	67.2	8.9	1.8	1.2	5.7	14.6	13.5	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	9.9	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	49.9	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	49.6	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	7.5	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	36.7	16.2	1.7	1.5
1915 (6 mos.)	11.0	6.5	4.5	69.7	5.1	2.1	1.1	11.8	15.4	18.2	29.8	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	6.8	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	19.2	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	1.5	11.8	14.6	11.5	31.8	26.6	1.6	2.1
1923	15.8	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	16.4	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	13.9	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

[1] See headnotes to Table 529 and Table 530.
[2] Less than one-tenth of 1 per cent.
[3] Period July 1, 1915, to Dec. 31, 1920.
[4] Fiscal years.

No. 529.—EXPORTS (INCLUDING REEXPORTS) AND GENERAL

NOTE.—All figures in thousands of dollars. Merchandise only, specie values. Figures cover fiscal years averages for 1910–1914 and 1915–1919. The Philippine Islands are included with Asia for all years; adjusted for recent years for grain shipments to Canada which are actually in transit to Europe are

Yearly average or year	Exports							
	Total	North America		South America	Europe[1]	Asia	Oceania	Africa
		Northern[1]	Southern					
1821	54, 496	2, 392	11, 965	2, 208	35, 575	1, 977	71	309
1830	71, 671	2, 802	14, 723	4, 586	47, 393	1, 906	27	234
1840	123, 669	6, 090	17, 241	5, 714	92, 039	1, 560	330	696
1850	144, 376	9, 519	14, 284	7, 730	108, 638	3, 028	190	987
1860	333, 576	22, 883	20, 273	15, 706	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, 315	5, 773	3, 873	1, 820
1871–1875	501, 841	32, 034	36, 188	20, 235	402, 268	5, 029	3, 969	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, 336	28, 212	641, 824	17, 526	12, 785	4, 074
1886–1890	738, 379	38, 758	43, 053	32, 040	585, 681	20, 389	15, 070	3, 382
1891–1895	892, 421	49, 310	60, 724	33, 247	709, 230	20, 672	13, 965	5, 263
1896–1900	1, 157, 318	79, 961	65, 375	35, 690	887, 401	45, 263	26, 338	17, 281
1901–1905	1, 463, 803	124, 560	97, 733	46, 240	1, 050, 540	76, 942	29, 738	28, 044
1906–1910	1, 778, 697	180, 836	154, 743	82, 142	1, 212, 978	97, 240	32, 358	18, 400
1911–1915	2, 370, 539	337, 091	182, 315	122, 243	1, 517, 404	133, 348	51, 506	26, 632
1915–1920[2]	6, 521, 190	780, 221	503, 430	360, 744	4, 123, 523	502, 476	109, 121	81, 668
1921–1925	4, 397, 026	627, 381	444, 578	297, 115	2, 317, 944	498, 853	141, 426	69, 729
1926–1930	4, 777, 314	829, 858	403, 175	447, 860	2, 235, 613	573, 973	177, 239	109, 596
1910–1914	2, 165, 818	319, 890	181, 205	121, 028	1, 350, 300	121, 042	47, 715	24, 638
1915–1919[2]	5, 308, 823	638, 704	340, 971	250, 837	3, 534, 473	403, 716	87, 262	52, 860
1887	716, 183	36, 475	36, 951	30, 744	575, 300	20, 116	13, 720	2, 877
1888	695, 955	37, 637	42, 359	29, 579	549, 093	19, 584	14, 580	3, 123
1889	742, 401	42, 528	47, 023	35, 021	578, 903	19, 371	10, 060	3, 497
1890	857, 829	41, 967	52, 133	38, 753	683, 736	20, 279	16, 346	4, 614
1891	884, 481	39, 844	56, 705	33, 708	704, 798	26, 170	18, 497	4, 758
1892	1, 030, 278	45, 260	60, 306	33, 148	850, 623	20, 368	15, 512	5, 061
1893	847, 665	48, 826	70, 963	32, 639	661, 977	17, 017	11, 046	5, 196
1894	892, 141	58, 470	61, 223	33, 212	700, 871	21, 668	11, 772	4, 924
1895	807, 538	54, 152	54, 424	33, 526	627, 928	18, 134	12, 997	6, 378
1896	882, 607	61, 231	55, 336	36, 298	673, 044	25, 792	17, 035	13, 871
1897	1, 050, 994	66, 196	58, 762	33, 769	813, 386	39, 370	22, 558	16, 953
1898	1, 231, 482	85, 095	54, 533	33, 822	973, 806	44, 836	21, 875	17, 516
1899	1, 227, 023	89, 765	63, 167	35, 660	936, 602	48, 764	29, 471	18, 594
1900	1, 394, 483	97, 517	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, 381, 719	111, 877	92, 094	38, 044	1, 008, 034	69, 203	29, 000	33, 469
1903	1, 420, 142	125. 967	89, 515	41, 138	1, 029, 257	62, 398	33. 430	38, 437
1904	1, 460, 827	133, 960	100, 950	50, 755	1, 057, 930	64, 984	28, 018	24, 230
1905	1, 518, 562	143, 030	117, 540	56, 894	1, 020, 973	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, 860, 773	170, 669	154, 005	83, 584	1, 283, 600	113, 247	35, 327	20, 341
1909	1, 663, 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, 551
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, 465, 884	420, 404	197, 000	146, 148	1, 479, 075	140, 441	53, 718	29, 089
1914	2, 304, 579	350, 563	178, 082	124, 540	1, 486, 499	140, 730	56, 264	27, 902
1915	2, 768, 589	306, 112	170, 964	90, 324	1, 971, 435	139, 226	53, 009	28, 520
1915 (6 mos.)	1, 852, 862	203, 475	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, 735	82, 797	54, 011
1917	6, 233, 513	839, 305	422, 398	311, 893	4, 061, 729	469, 402	77, 402	51, 384
1918	6, 149, 088	900, 248	425, 238	302, 710	3, 858, 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, 579	171, 605	165, 662
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, 093, 357	448, 970	101, 945	55, 776
1923	4, 167, 493	660, 507	425, 661	269, 318	2, 093, 415	511, 498	146, 423	60, 671
1924	4, 590, 984	633, 878	456, 155	314, 252	2, 445, 300	514, 592	156, 505	70, 294
1925	4, 900, 848	658, 640	479, 714	402, 606	2, 603, 750	486, 592	189, 489	89, 057
1926	4, 808, 660	747, 685	428, 797	443, 507	2, 310, 144	564, 543	212, 705	101, 279
1927	4, 805, 375	845, 307	407, 720	438, 159	2, 313, 782	559, 605	193, 714	107, 088
1928	5, 128, 357	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, 535
1930	3, 843, 181	670, 652	348, 574	337, 509	1, 838, 375	447, 987	107, 719	92, 365

[1] See headnote and supplemental Table 530 on p. 502.

IMPORTS OF MERCHANDISE DISTRIBUTED BY CONTINENTS

to and including 1915, calendar years thereafter, except as noted. See headnote, Table 525, concerning Hawaiian Islands are with Oceania prior to 1901. Exports to Northern North America and to Europe shown in Table 530, p. 502

General imports								Yearly average or year
Total	North America		South America	Europe	Asia	Oceania	Africa	
	Northern	Southern						
54,521	402	11,816	1,570	35,000	5,324	34	375	1821.
62,721	398	10,793	4,919	40,117	6,241	18	234	1830.
98,259	1,228	15,421	8,606	61,721	10,686	152	445	1840.
173,509	5,180	16,116	16,038	123,115	12,434	9	618	1850.
353,616	23,730	44,180	34,929	216,661	29,239	1,170	3,706	1860.
238,746	35,007	46,663	23,221	115,002	14,449	1,124	3,279	1865.
435,958	36,205	74,435	42,964	240,187	37,773	1,612	2,722	1870.
577,873	33,840	96,124	63,357	321,067	55,794	3,955	3,736	1871–1875.
492,570	27,600	86,646	68,185	247,520	55,635	4,619	2,365	1876–1880.
667,142	41,989	96,309	75,940	367,542	69,906	11,370	4,085	1881–1885.
717,231	40,236	98,819	82,427	401,745	74,439	16,158	3,406	1886–1890.
785,137	30,335	128,043	116,797	397,622	85,169	16,257	4,914	1891–1895.
741,519	37,260	76,007	97,713	389,843	107,999	22,781	9,910	1896–1900.
972,162	52,762	120,634	121,748	498,296	149,537	9,035	11,161	1901–1905.
1,344,838	79,511	180,102	157,126	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	425,337	588,103	591,205	682,298	910,340	70,134	90,848	1915–1920.[2]
3,450,103	396,669	514,233	421,336	1,049,494	942,878	53,904	71,499	1921–1925.
4,033,469	479,737	460,457	545,788	1,210,511	1,192,632	53,137	91,207	1926–1930.
1,688,874	118,518	228,618	206,858	836,498	258,534	17,276	22,573	1910–1914.
2,514,557	321,382	439,019	466,212	525,122	642,479	59,002	61,342	1915–1919.[2]
692,320	38,087	92,704	79,764	390,728	72,875	14,604	3,557	1887.
723,957	43,116	96,703	84,356	407,052	73,213	16,205	3,312	1888.
745,132	43,039	107,826	92,135	403,421	75,846	19,253	3,610	1889.
789,310	39,434	108,084	90,006	449,987	80,863	16,764	3,321	1890.
844,916	39,450	123,776	118,737	459,305	78,987	20,454	4,207	1891.
827,402	35,335	138,719	150,728	391,628	88,850	16,824	5,318	1892.
866,401	38,254	145,479	102,208	458,450	99,316	16,838	5,857	1893.
654,995	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	5,709	1895.
779,725	41,376	85,501	108,828	418,639	94,575	19,032	11,173	1896.
764,730	40,863	65,061	107,389	430,192	91,678	20,017	9,530	1897.
616,050	32,404	58,973	92,092	305,984	96,425	23,029	7,104	1898.
697,148	31,690	80,460	86,588	353,885	111,501	22,588	10,436	1899.
849,941	39,999	90,037	98,667	440,567	145,814	28,640	11,218	1900.
823,172	42,935	102,223	110,367	429,620	122,099	6,974	8,954	1901.
903,321	48,846	102,230	119,786	475,162	136,295	7,554	13,448	1902.
1,025,719	55,660	134,067	107,428	547,227	159,075	9,871	12,582	1903.
991,087	52,701	146,078	120,364	498,607	155,576	8,244	9,427	1904.
1,117,513	63,657	163,572	150,796	540,773	174,641	12,731	11,344	1905.
1,226,562	69,603	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.
1,194,342	70,301	162,515	124,999	608,014	191,332	14,891	16,291	1908.
1,311,920	80,467	173,533	163,879	654,328	206,982	17,628	15,109	1909.
1,556,947	96,371	210,397	196,165	806,270	210,473	19,782	17,490	1910.
1,527,226	102,204	203,233	182,624	768,168	230,850	12,874	27,214	1911.
1,653,265	110,145	223,927	215,089	819,586	248,725	13,207	22,586	1912.
1,813,008	121,764	240,179	217,735	892,866	297,505	16,533	26,425	1913.
1,893,926	162,046	265,353	222,677	895,603	305,115	23,982	19,149	1914.
1,674,170	161,055	312,025	261,400	614,355	271,790	28,502	24,953	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	633,317	550,866	59,511	61,893	1916.
2,952,468	419,124	452,858	598,819	551,145	820,624	36,835	73,064	1917.
3,031,213	457,660	516,955	610,931	318,121	939,301	102,737	85,506	1918.
3,904,365	500,165	657,609	687,525	750,528	1,107,733	88,616	112,188	1919.
5,278,481	614,618	1,048,045	780,999	1,227,843	1,396,677	80,014	150,285	1920.
2,509,148	337,632	417,217	295,623	764,942	617,862	35,499	40,373	1921.
3,112,747	366,524	455,930	358,763	991,203	826,886	48,517	64,924	1922.
3,792,066	418,348	583,169	467,421	1,157,056	1,019,811	59,200	87,061	1923.
3,609,963	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	77,806	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	1,270,466	1,256,758	54,531	93,255	1927.
4,091,444	499,959	460,743	569,410	1,248,749	1,168,928	53,450	90,207	1928.
4,399,361	514,370	467,159	639,758	1,332,630	1,280,279	56,557	108,608	1929.
3,060,908	414,355	347,356	433,514	908,845	856,496	32,791	67,547	1930.

[2] Period July 1, 1915, to Dec. 31, 1920.

[3] Fiscal years ended June 30.

No. 530.—SUPPLEMENT TO TABLES 528, 529, AND 539: ADJUSTED FIGURES OF EXPORTS TO CANADA, NORTH AMERICA, NORTHERN NORTH AMERICA, AND EUROPE

NOTE.—Especially since 1920 large quantities of United States grain have been shipped through Canada (mostly via Montreal) to other foreign countries. Since the final destination is customarily not known when shipped, this grain is reported as an export to Canada, but as a matter of fact practically all of it except from five to ten million dollars' worth of corn annually goes thence to Europe. In the following table the reported figures of total value of exports are adjusted on the assumption that all this grain was destined for Europe, an assumption adopted for convenience and involving only a small margin of error. Figures cover fiscal years for 1910–1914; calendar, for all other years

[Millions and tenths of millions of dollars]

Yearly average or year	Grain reported as exported to Canada	Adjusted figures deducting such grain from exports to Canada and adding to exports to Europe						
		Values of exports to—				Per cent of exports to entire world to—		
		Canada	Northern North America	North America	Europe	Northern North America	North America	Europe
1910–1914	7.1	308.0	313.0	494.0	1,357.4	14.4	22.8	62.7
1921–1925	72.4	546.6	555.0	999.6	2,390.3	12.6	22.7	54.4
1926–1930	63.5	756.0	766.4	1,169.5	2,299.1	16.0	24.5	48.1
1913	6.5	594.7	402.3	594.7	1,506.1	16.2	23.9	60.6
1919	18.8	715.4	731.1	1,277.0	5,206.5	9.2	16.1	65.7
1920	70.5	901.3	914.3	1,858.7	4,536.6	11.1	22.5	55.1
1921	79.9	513.8	520.6	1,049.7	2,443.8	11.6	23.4	54.5
1922	78.5	498.2	505.0	837.2	2,161.9	13.2	21.8	56.4
1923	40.6	611.3	619.9	1,045.6	2,134.0	14.9	25.1	51.2
1924	105.6	518.4	528.2	984.4	2,550.9	11.5	21.4	55.6
1925	57.2	591.5	601.4	1,081.1	2,661.0	12.2	22.0	54.2
1926	56.2	682.3	691.5	1,120.3	2,366.4	14.4	23.3	49.2
1927	113.9	722.6	731.4	1,139.1	2,427.7	15.0	23.4	49.9
1928	82.8	831.9	841.4	1,238.6	2,457.7	16.4	24.2	47.9
1929	49.4	899.0	912.1	1,345.7	2,390.3	17.4	25.7	45.6
1930	15.1	643.9	655.5	1,004.1	1,853.5	17.1	26.1	48.2

No. 531.—SUPPLEMENT TO TABLES 532, 533, AND 534: ADJUSTED FIGURES OF EXPORTS OF UNITED STATES MERCHANDISE TO NORTH AMERICA AND EUROPE BY ECONOMIC CLASSES

[All figures except percentages in thousands of dollars. See headnote to Table 530]

	1910–1914	1921–1925	1926–1930	1928	1929	1930
ADJUSTED EXPORTS (GRAINS EXPORTED TO CANADA TREATED AS EXPORTED TO EUROPE)[1]						
North America	476,127	956,958	1,113,469	1,178,728	1,292,163	968,495
Foodstuffs	79,049	168,135	151,772	155,189	159,352	127,781
Crude foodstuffs	24,394	55,464	51,566	51,828	54,355	44,380
Europe	1,340,920	2,351,854	2,270,077	2,424,964	2,364,220	1,830,632
Foodstuffs	306,733	768,322	504,842	505,376	479,850	331,693
Crude foodstuffs	96,722	348,721	227,991	353,270	193,559	117,207
Per cent of total exports of foodstuffs exported to—						
North America	18.8	16.5	20.1	20.4	21.1	23.6
Europe	72.8	75.2	66.8	66.5	63.6	61.3
Percentage distribution of total adjusted exports to—						
North America	100.0	100.0	100.0	100.0	100.0	100.0
Crude materials	18.1	17.3	15.9	15.2	14.6	15.6
Foodstuffs	16.6	17.6	13.6	13.2	12.3	13.2
Semimanufactures	14.8	12.8	14.5	14.4	14.5	14.2
Finished manufactures	50.5	52.3	56.0	57.2	58.5	57.0
Europe	100.0	100.0	100.0	100.0	100.0	100.0
Crude materials	44.4	37.1	34.1	36.6	32.2	29.3
Foodstuffs	22.9	32.7	22.2	20.8	20.3	18.1
Semimanufactures	17.1	11.2	14.0	14.3	14.7	13.7
Finished manufactures	15.6	19.0	29.7	26.2	32.8	38.8

[1] See Table 530 for grain exports to Canada and for reasons for adjustments.

No. 532.—FOREIGN TRADE WITH EACH CONTINENT, BY ECONOMIC CLASSES

NOTE.—Values in millions and tenths of millions of dollars. Data prior to 1915 are for years ended June 30; thereafter, for calendar years. The Philippine Islands are included in Oceania prior to 1922 and in Asia for later years; therefore, Asia and Oceania are combined for the averages

	1905–1909 [1]	1910–1914 [1]	1921–1925 [1]	1926–1930 [1]	1928	1929	1930
EXPORTS OF U. S. MERCHANDISE							
North America [2]	297.6	483.3	1,029.3	1,177.0	1,261.5	1,341.6	983.6
Crude materials	56.5	86.2	165.9	176.6	178.9	189.1	150.9
Crude foodstuffs [2]	20.8	31.5	127.8	115.1	134.6	103.8	59.5
Manufactured foodstuffs	39.3	54.7	112.7	100.2	103.4	105.0	83.4
Semimanufactures	35.9	70.4	122.6	161.8	170.1	187.2	137.9
Finished manufactures	145.1	240.6	500.3	623.3	674.5	756.5	551.9
South America	74.4	120.5	294.1	445.4	477.8	536.7	335.9
Crude materials	.8	2.7	7.9	7.1	3.4	5.3	4.7
Crude foodstuffs	.9	1.3	4.0	7.8	6.8	7.1	5.7
Manufactured foodstuffs	8.5	11.9	21.9	29.3	28.4	32.8	23.6
Semimanufactures	11.5	21.8	46.1	65.8	71.8	68.3	44.4
Finished manufactures	52.7	82.8	214.3	335.4	364.7	423.2	257.4
Europe [2]	1,178.0	1,333.8	2,279.5	2,206.6	2,342.2	2,314.8	1,815.5
Crude materials	459.7	594.9	873.5	773.1	802.2	761.0	537.2
Crude foodstuffs [2]	131.0	89.6	276.4	164.5	141.5	141.5	102.1
Manufactured foodstuffs	255.5	210.0	419.6	276.9	281.1	286.3	214.5
Semimanufactures	174.4	229.8	263.7	318.7	347.7	348.7	251.1
Finished manufactures	157.5	209.5	446.3	673.4	683.7	774.6	710.6
Asia [3]	139.0	168.2	637.7	572.7	653.0	642.0	446.6
Crude materials	17.2	27.1	135.0	172.3	209.6	173.3	121.6
Crude foodstuffs	2.8	3.1	13.9	11.2	10.2	13.4	9.9
Manufactured foodstuffs	15.1	15.2	36.7	37.7	39.1	47.4	32.6
Semimanufactures	14.2	17.1	96.4	89.7	99.8	94.8	62.2
Finished manufactures	89.6	105.8	355.6	261.9	294.3	313.1	220.3
Oceania				176.8	179.6	191.8	107.3
Crude materials				9.3	9.1	8.9	10.1
Crude foodstuffs				.7	.7	.8	.7
Manufactured foodstuffs				4.6	4.9	4.9	2.6
Semimanufactures				19.0	18.8	21.6	10.9
Finished manufactures				143.2	146.1	1554.	83.0
Africa	18.4	24.6	69.6	109.4	116.0	130.4	92.3
Crude materials	1.4	2.3	6.4	5.4	4.0	4.8	4.5
Crude foodstuffs	2.1	1.0	1.7	.6	.3	.4	.7
Manufactured foodstuffs	3.7	3.2	6.8	7.1	6.9	7.9	6.0
Semimanufactures	1.6	2.5	5.7	7.6	8.1	8.4	6.2
Finished manufactures	9.5	15.6	49.0	88.6	96.7	108.9	74.8
GENERAL IMPORTS							
North America	243.8	347.1	910.9	940.2	960.7	981.5	761.7
Crude materials	76.8	114.0	[4] 206.0	180.2	193.1	159.3	116.8
Crude foodstuffs	35.2	53.8	[4] 113.4	144.5	156.3	149.6	124.5
Manufactured foodstuffs	74.2	102.7	[4] 292.3	202.8	203.6	204.5	114.1
Semimanufactures	39.7	46.4	[4] 142.4	184.1	176.5	21.70	106.8
Finished manufactures	17.9	30.1	[4] 156.8	228.6	231.2	251.2	239.6
South America	148.1	206.9	421.3	545.8	569.4	639.8	433.5
Crude materials	57.2	78.9	131.6	170.6	175.3	210.2	145.6
Crude foodstuffs	70.5	95.6	197.7	272.6	291.8	291.2	204.5
Manufactured foodstuffs	2.6	3.2	8.7	13.1	12.4	18.9	14.4
Semimanufactures	16.9	26.8	78.1	84.6	85.2	113.9	63.2
Finished manufactures	.8	2.4	5.3	5.0	4.7	5.5	5.9
Europe	636.7	836.5	1,049.5	1,210.5	1,248.7	1,332.6	908.8
Crude materials	166.8	229.4	[4] 253.9	256.5	261.0	257.8	175.8
Crude foodstuffs	21.3	30.3	27.7	34.1	40.5	36.1	27.1
Manufactured foodstuffs	55.0	70.9	79.7	94.5	96.5	100.7	77.8
Semimanufactures	138.1	196.5	[4] 263.5	325.3	332.4	357.2	236.9
Finished manufactures	255.5	309.4	[4] 424.6	500.1	518.4	580.7	391.3
Asia [3]	219.1	275.8	996.9	1,192.6	1,188.9	1,280.3	858.5
Crude materials	113.1	151.0	655.3	785.4	747.5	828.7	509.3
Crude foodstuffs	20.7	23.0	34.0	37.7	43.0	38.5	31.4
Manufactured foodstuffs	19.5	17.5	[4] 66.9	81.6	86.3	91.9	82.3
Semimanufactures	23.3	37.1	[4] 108.7	142.0	142.5	168.5	116.3
Finished manufactures	36.5	47.2	[4] 131.9	145.9	148.7	152.8	117.2
Oceania				53.1	53.5	56.6	32.8
Crude materials				44.3	44.2	44.6	26.1
Crude foodstuffs				.3	.1	.2	.3
Manufactured foodstuffs				5.6	6.7	6.7	4.2
Semimanufactures				1.7	1.2	3.7	1.0
Finished manufactures				1.2	1.2	1.3	1.3
Africa	15.3	22.6	71.5	91.2	90.2	108.6	67.5
Crude materials	14.7	21.6	46.2	47.2	45.6	58.0	28.6
Crude foodstuffs	.3	.4	10.5	17.5	17.3	22.9	12.4
Manufactured foodstuffs	[5]	[5]	.6	.6	.3	.9	.7
Semimanufactures	.1	.3	13.1	24.3	25.1	24.7	24.1
Finished manufactures	.2	.2	1.1	1.7	2.0	2.1	1.7

[1] Average for period. [2] See headnote to Table 530 and Supplemental Table 531.
[3] "Asia and Oceania" for 1905 to 1925. [4] Revised. [5] Less than $50,000.

No. 533.—PER CENT EACH CONTINENT FURNISHES OR TAKES OF TOTAL TRADE IN EACH ECONOMIC CLASS

NOTE.—Percentages are based on data shown in Table 532, except calculations were made from the full figures. See also Supplemental Table 531

Continent	1905–1909, average	1910–1914, average	1921–1925, average	1926–1930, average	1929	1930	1905–1909, average	1910–1914, average	1921–1925, average	1926–1930, average	1929	1930
	Crude materials						Foodstuffs					
Exports (U. S. mdse.):												
North America	10.6	12.1	14.0	15.4	16.6	18.2	12.5	20.4	23.5	28.5	27.7	26.4
South America	.1	.4	.7	.6	.5	.6	2.0	3.1	2.5	4.9	5.3	5.4
Europe	85.8	83.4	78.5	67.6	66.6	64.8	80.6	71.1	68.1	58.4	57.1	58.5
Asia and Oceania	3.2	3.8	11.4	15.9	15.9	15.9	3.7	4.3	5.0	7.2	8.8	8.4
Africa	.3	.3	.5	.5	.4	.5	1.2	1.0	.8	1.0	1.1	1.2
General imports:												
North America	17.9	19.2	[1]15.9	12.1	10.2	11.7	36.5	39.4	[1]48.8	38.4	36.8	34.4
South America	13.4	13.3	10.2	11.5	13.5	14.5	24.4	24.9	24.8	31.5	32.2	31.6
Europe	38.9	38.6	[1]19.6	17.3	16.5	17.5	25.5	25.4	12.9	14.2	14.2	15.1
Asia and Oceania	26.4	25.4	50.7	55.9	56.0	53.4	13.4	10.2	[1]12.1	13.8	14.3	17.0
Africa	3.4	3.6	3.6	3.2	3.7	2.9	.1	.1	1.3	2.0	2.5	1.9
	Semimanufactures						Finished manufactures					
Exports (U. S. mdse.):												
North America	15.1	20.6	22.9	24.4	25.7	26.9	31.9	36.8	32.0	29.3	29.9	29.1
South America	4.8	6.4	8.6	9.9	9.4	8.7	11.0	12.7	13.7	15.8	16.7	13.6
Europe	73.4	67.3	49.3	48.1	47.8	49.0	34.7	32.0	28.5	31.7	30.6	37.4
Asia and Oceania	6.0	5.0	18.0	16.4	16.0	14.3	19.7	16.2	22.7	19.1	18.5	16.0
Africa	.7	.7	1.1	1.2	1.2	1.2	2.1	2.4	3.1	4.2	4.3	3.9
General imports:												
North America	18.2	15.1	[1]23.5	24.2	24.5	27.4	5.8	7.7	[1]21.8	25.9	25.3	31.7
South America	7.7	8.7	12.9	11.1	12.9	10.4	.3	.6	.7	.6	.6	.8
Europe	63.3	64.0	[1]43.5	42.7	40.4	38.9	82.2	79.5	[1]59.0	56.7	58.5	51.7
Asia and Oceania	10.7	12.1	[1]17.9	18.9	19.5	18.3	11.7	12.1	[1]18.3	16.7	15.5	15.7
Africa	[2]	.1	2.2	3.2	2.8	4.0	.1	.1	.2	.2	.2	.2

[1] Revised. [2] Less than one-tenth of 1 per cent.

No. 534.—PER CENT EACH ECONOMIC CLASS FORMS OF TOTAL TRADE WITH EACH CONTINENT

NOTE.—Percentages are based on data shown in Table 532, except calculations were made from the full figures. See also Supplemental Table 531

Class	1905–1909, average	1910–1914, average	1921–1925, average	1926–1930, average	1929	1930	1905–1909, average	1910–1914, average	1921–1925, average	1926–1930, average	1929	1930
	North America						South America					
Exports (U. S. mdse.)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Crude materials	19.0	17.8	16.1	15.0	14.1	15.3	1.1	2.2	2.7	1.6	1.0	1.4
Foodstuffs	20.2	17.8	23.4	18.3	15.6	14.5	12.7	10.9	8.8	8.3	7.4	8.7
Semimanufactures	12.0	14.6	11.9	13.8	14.0	14.0	15.5	18.1	15.7	14.8	12.7	13.2
Finished manufactures	48.8	49.8	48.6	53.0	56.4	56.1	70.8	68.7	72.9	75.3	78.8	76.6
General imports	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Crude materials	31.5	32.9	[1]22.6	19.2	16.2	15.3	38.7	38.1	31.2	31.3	32.9	33.6
Foodstuffs	44.9	45.1	[1]44.5	36.9	36.1	31.3	49.4	47.8	49.0	52.3	48.5	50.5
Semimanufactures	10.3	13.4	[1]15.6	19.6	22.1	21.9	11.4	13.0	18.5	15.5	17.8	14.6
Finished manufactures	7.4	8.7	[1]17.2	24.3	25.6	31.5	.5	1.1	1.3	.9	.8	1.4
	Europe						Asia and Oceania					
Exports (U. S. mdse.)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Crude materials	*39.0*	*44.6*	*38.3*	*35.0*	*32.9*	*29.6*	*12.4*	*16.1*	*21.2*	*24.2*	*21.8*	*23.8*
Foodstuffs	32.8	22.5	30.5	20.0	18.6	17.4	12.9	10.8	7.9	7.2	8.0	8.3
Semimanufactures	14.8	17.2	11.6	14.4	15.1	13.8	10.2	10.2	15.1	14.5	14.0	13.2
Finished manufactures	13.4	15.7	19.6	30.5	33.5	39.1	64.5	62.9	55.8	54.0	56.2	54.8
General imports	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Crude materials	26.2	27.4	[1]24.2	21.2	19.3	19.3	53.1	54.7	65.7	66.6	65.3	60.2
Foodstuffs	12.0	12.1	10.2	10.6	10.3	11.5	18.9	14.7	[1]10.1	10.1	10.3	13.3
Semimanufactures	21.7	23.5	[1]25.1	26.9	26.8	26.1	10.9	13.5	[1]10.9	11.5	12.9	13.2
Finished manufactures	40.1	37.0	[1]40.5	41.3	43.6	43.1	17.1	17.1	[1]13.2	11.8	11.5	13.3

[1] Revised.

No. 535.—EXPORTS OF UNITED STATES MERCHANDISE BY ECONOMIC CLASSES AND PRINCIPAL COUNTRIES, 1929 AND 1930

NOTE.—**In thousands of dollars.** Owing to indirect trade the United States statistics greatly understate the United States exports to Austria, Czechoslovakia, Poland and Danzig, and Switzerland. Statistics of those countries showed imports from the United States, in 1930, as follows: Austria, $20,308,000; Czechoslovakia, $23,270,000; Poland and Danzig, $30,386,000; and Switzerland, $39,700,000

Country	1929					1930				
	Total	Crude materials	Foodstuffs	Semi-manufactures	Finished manufactures	Total	Crude materials	Foodstuffs	Semi-manufactures	Finished manufactures
Grand total	5,157,083	1,142,352	753,895	729,013	2,531,823	3,781,172	829,098	541,183	512,802	1,898,089
Northern North America	915,024	175,569	114,936	131,915	492,618	639,268	140,433	68,089	95,069	335,727
Canada—										
Reported	902,144	174,456	111,277	130,901	485,511	627,811	139,922	64,632	94,368	328,889
Adjusted	852,741	174,456	61,874	130,901	485,511	612,666	139,922	49,487	94,368	328,889
Newfoundland and Labrador	12,379	960	3,616	932	6,872	11,186	460	3,364	697	6,664
Southern North America	426,540	13,555	93,819	55,251	263,915	344,372	10,516	74,886	42,828	216,140
Mexico	132,189	2,978	20,150	18,962	90,099	114,764	1,950	19,501	13,929	79,385
British West Indies	27,009	1,440	5,552	2,887	17,130	25,188	1,297	4,774	2,525	16,591
Cuba	125,279	5,326	35,876	16,784	67,293	91,850	4,527	24,758	11,927	50,647
Netherland West Indies	24,104	161	2,489	2,545	18,909	23,958	119	2,218	3,879	17,743
South America	536,704	5,274	39,934	68,320	423,175	335,866	4,711	29,312	44,406	257,438
Argentina	209,875	2,238	7,940	28,346	171,350	129,374	2,166	5,362	19,407	102,439
Brazil	108,503	1,226	7,662	11,361	88,254	53,728	970	7,068	6,045	39,645
Chile	55,564	141	1,507	10,330	43,587	46,278	113	1,439	7,052	37,672
Colombia	42,070	468	8,799	4,331	34,472	24,678	281	5,544	2,429	16,424
Peru	25,995	166	3,484	5,282	17,063	15,594	116	1,875	2,955	10,647
Uruguay	28,178	114	1,403	3,633	23,027	21,391	160	789	3,316	17,127
Venezuela	44,856	281	6,335	3,884	34,356	32,639	334	4,860	2,314	25,130
Europe	2,314,818	761,016	430,446	348,738	774,619	1,815,487	537,200	316,548	251,113	710,626
Austria	5,189	563	353	537	3,686	4,699	473	433	366	3,427
Belgium	113,984	23,225	22,177	17,950	50,632	85,029	14,778	15,964	12,310	41,971
Czechoslovakia	6,059	251	446	436	4,926	4,928	35	282	302	4,309
Denmark	51,183	3,352	14,764	3,540	29,527	40,043	3,084	7,385	3,407	26,167
France	262,519	94,511	12,022	49,160	106,827	220,039	80,164	14,107	30,453	95,315
Germany	401,694	188,475	71,730	68,905	72,583	271,911	139,749	38,409	39,843	53,913
Italy	152,534	84,727	11,012	26,470	30,324	99,530	45,166	6,578	21,189	26,597
Netherlands	127,197	25,466	49,012	21,172	31,547	103,737	20,029	38,307	17,367	28,034
Norway	23,541	2,402	6,554	2,580	12,005	20,186	2,717	4,712	2,470	10,287
Poland and Danzig	16,309	707	5,050	2,709	7,842	8,984	1,133	3,124	1,491	3,235
Soviet Russia in Europe	30,407	29,560	67	5,755	45,020	110,389	7,445	152	3,174	99,617
Spain	81,193	31,424	2,866	7,372	39,529	56,741	21,282	657	5,417	29,384
Sweden	58,579	7,549	8,520	9,436	33,074	44,720	5,447	5,157	7,494	26,623
Switzerland	12,251	1,532	553	1,333	8,833	10,971	1,417	403	1,750	7,402
United Kingdom	841,244	257,076	201,516	126,048	256,604	672,181	185,529	162,141	100,296	224,215
Asia	642,010	173,272	80,803	94,804	313,130	446,634	121,612	42,429	82,248	220,345
British India	55,299	3,190	1,547	5,920	44,642	45,166	3,388	1,534	5,302	34,942
British Malaya	14,616	345	2,099	1,336	10,836	9,545	409	1,379	826	6,931
Ceylon	2,847	56	258	187	2,346	1,795	120	211	166	1,297
China, Hong Kong, Kwantung	155,232	40,244	22,910	22,393	69,684	112,623	38,326	14,834	14,161	45,302
Japan	258,548	124,570	15,499	46,903	71,576	164,042	77,183	10,708	29,321	46,830
Netherland East Indies	45,643	3,177	2,576	6,096	33,794	29,399	1,890	1,679	3,987	21,844
Persia	2,429	3	14	206	2,206	2,737		3	47	2,687
Turkey (Europe and Asia)	5,742	1	562	864	4,316	4,184	1	50	508	3,624
Oceania	191,696	8,920	5,666	21,591	155,419	107,291	10,078	3,299	10,894	83,020
Australia	149,871	7,774	3,392	17,617	121,088	75,745	8,729	1,401	7,537	58,079
New Zealand	39,334	1,140	1,866	3,747	32,581	29,682	1,346	1,439	3,116	23,780
Africa	130,389	4,755	8,289	8,396	108,949	92,254	4,548	6,669	8,244	74,792
Algeria and Tunisia	10,842	594	158	1,126	8,964	8,263	617	97	783	6,766
British Africa—										
East	5,417	18	126	150	5,123	4,485	29	84	121	4,271
South	63,690	91	2,006	3,249	58,345	39,116	43	1,291	2,447	35,335
West	12,371	2,380	1,996	685	7,311	9,355	2,018	1,819	382	5,137
Egypt	13,992	244	2,117	1,223	10,407	8,867	431	1,706	733	5,997

No. 536.—IMPORTS, FREE AND DUTIABLE, BY

[All figures in

Country	1929									
	Total imports		Crude materials		Foodstuffs		Semimanufactures		Finished manufactures	
	Free	Dutiable	Free	Dutiable	Free	Dutiable	Free	Dutiable	Free	Dutiable
Grand total	2,843,354	1,556,007	1,289,317	269,303	525,747	436,435	630,586	254,465	397,704	595,804
Northern North America	398,937	115,433	54,499	10,636	24,321	61,426	137,680	33,015	182,438	10,355
Canada	389,225	114,271	53,084	10,384	24,193	60,575	137,063	32,998	174,885	10,314
Newfoundland and Labrador	9,250	1,161	981	252	129	851	590	18	7,551	40
Southern North America	225,142	242,019	61,230	32,920	72,763	195,584	38,708	7,596	52,443	5,919
Mexico	85,062	31,776	30,554	10,335	17,282	14,712	23,845	5,842	5,281	886
British West Indies	17,329	4,695	1,403	112	10,296	4,062	47	28	5,583	492
Cuba	9,510	197,911	5,746	19,910	2,096	173,513	405	156	1,263	4,332
Netherland West Indies	64,600	89	12,545	-------	13	-------	14,140	-------	37,802	89
South America	536,844	102,913	135,794	74,403	290,663	19,506	106,605	7,298	3,781	1,707
Argentina	44,009	73,572	39,375	56,511	3,773	9,727	169	6,695	692	639
Brazil	203,184	4,502	15,967	2,060	186,558	2,415	288	16	371	10
Chile	99,194	2,831	9,552	930	281	1,837	89,106	60	255	4
Colombia	103,111	414	22,539	178	80,206	79	21	11	345	146
Peru	25,532	4,636	8,337	4,432	129	60	16,985	133	80	11
Uruguay	5,200	13,477	3,617	8,536	730	4,918	2	-------	851	24
Venezuela	51,152	72	33,677	28	16,514	21	10	20	951	2
Europe	511,676	820,951	166,446	91,386	22,264	114,615	183,677	173,508	139,291	441,441
Austria	4,368	7,868	1,149	65	1	272	1,173	1,213	2,044	6,317
Belgium	23,908	50,140	12,444	4,102	3	1,139	9,833	21,081	1,627	23,817
Czechoslovakia	13,569	32,500	354	493	1	291	1,432	3,272	11,782	28,504
Denmark	2,233	2,328	1,043	442	25	1,027	886	157	280	702
France	52,410	119,075	17,187	3,522	476	12,593	6,500	26,390	28,247	76,569
Germany	93,645	161,043	37,919	6,409	3,589	3,380	37,639	35,960	14,497	115,204
Italy	26,136	90,931	13,887	6,022	1,262	45,967	3,694	6,525	7,292	32,417
Netherlands	26,196	57,657	4,963	23,960	1,893	5,683	14,975	23,392	4,365	4,622
Norway	10,238	10,997	2,833	3	26	5,598	6,998	4,586	381	809
Poland and Danzig	2,581	2,271	2,069	627	2	357	395	148	115	1,139
Soviet Russia in Europe	11,476	10,044	6,483	6,656	2,823	1,484	1,482	1,132	688	772
Spain	12,362	23,607	8,710	706	80	15,609	2,474	1,595	1,099	5,788
Sweden	41,909	11,077	4,597	7	210	282	33,729	3,927	3,372	6,861
Switzerland	6,057	42,293	1,070	495	24	6,333	1,415	0,059	3,549	26,406
United Kingdom	157,936	171,814	43,850	22,920	10,905	8,575	48,256	34,277	54,925	106,042
Asia	1,039,166	241,115	790,994	37,694	90,844	39,478	139,322	29,198	18,006	134,745
British India	59,334	89,999	39,729	12,128	2,806	3,843	16,211	2,415	587	71,612
British Malaya	238,281	883	176,398	3	213	745	61,592	109	79	26
Ceylon	30,769	1,668	24,152	660	6,405	743	(1)	165	212	99
China, Hong Kong, Kwantung	121,200	61,526	92,201	13,255	6,000	12,995	21,682	20,277	1,317	14,999
Japan	377,589	54,284	365,150	1,811	7,957	10,033	2,886	6,002	1,596	36,438
Netherland East Indies	75,053	7,248	58,458	37	10,797	6,363	5,401	63	397	785
Persia	618	8,031	332	98	259	10	-------	(1)	26	7,923
Turkey (Europe and Asia)	3,374	8,791	2,462	4,471	563	1,851	302	70	47	2,399
Oceania	33,764	22,792	28,905	15,698	3,145	3,814	745	2,981	969	299
Australia	19,448	12,520	16,238	11,285	1,806	754	745	279	659	202
New Zealand	10,697	10,137	9,136	4,412	1,338	3,007	-------	2,702	223	15
Africa	97,822	10,786	51,449	6,566	21,743	2,012	23,848	869	776	1,338
Algeria and Tunisia	3,592	790	2,455	6	47	327	986	157	104	300
British Africa—										
East	2,513	589	1,923	(1)	502	533	38	-------	50	56
South	5,803	3,853	5,557	3,004	31	177	2	661	112	11
West	29,122	878	442	670	19,432	192	9,184	-------	64	17
Egypt	37,439	2,235	47,146	1,708	12	250	81	35	201	242

[1] Less than $500.

ECONOMIC CLASSES, AND PRINCIPAL COUNTRIES

thousands of dollars]

1930										Country
Total imports		Crude materials		Foodstuffs		Semimanufactures		Finished manufactures		
Free	Dutiable	Free	Dutiable	Free	Dutiable	Free	Dutiable	Free	Dutiable	
2,051,110	1,009,798	834,120	168,041	409,332	284,241	448,618	159,536	359,041	397,981	Grand total.
335,846	78,509	44,671	8,742	25,445	37,781	102,961	24,199	162,769	7,786	NorthernNorthAmerica.
325,215	77,136	43,653	8,563	25,378	36,626	102,440	24,198	153,744	7,748	Canada.
10,159	1,326	565	179	67	1,108	504	1	9,024	38	Newfoundland and Labrador.
201,728	145,628	39,968	23,899	62,548	112,738	34,492	5,133	64,721	4,358	SouthernNorthAmerica.
55,993	24,300	23,294	5,911	13,454	13,463	16,804	4,279	2,441	648	Mexico.
16,366	2,524	804	150	9,970	2,140	49	14	5,483	219	British West Indies.
8,459	113,490	4,648	16,704	2,343	93,327	261	129	1,207	3,330	Cuba.
78,261	84	7,771	1	90	-------	17,125	-------	53,276	84	Netherland West Indies.
363,025	70,492	98,175	47,405	203,629	15,279	57,237	5,933	3,984	1,378	South America.
22,719	49,172	18,301	35,266	3,588	8,094	275	5,726	555	86	Argentina.
126,974	3,880	12,886	2,282	113,545	1,530	226	51	318	17	Brazil.
53,051	1,762	8,228	467	217	1,272	44,456	21	150	2	Chile.
96,521	618	22,638	179	73,560	93	-------	-------	323	340	Colombia.
17,530	3,755	5,194	3,141	31	597	12,158	15	147	2	Peru.
4,850	7,503	3,377	4,031	679	3,466	16	-------	779	6	Uruguay
36,788	80	25,291	61	9,985	7	53	4	1,459	8	Venezuela.
385,328	523,518	124,339	51,426	18,378	86,017	131,825	105,034	110,285	281,041	Europe.
2,814	4,966	829	15	1	174	699	988	1,285	3,790	Austria.
20,132	31,404	9,897	1,169	8	836	9,276	14,795	951	14,604	Belgium.
7,524	22,060	408	180	-------	321	1,087	2,150	6,029	19,409	Czechoslovakia.
1,323	1,858	653	489	11	690	407	268	264	411	Denmark.
37,817	75,957	9,006	2,466	301	9,349	3,848	11,177	24,663	52,965	France.
70,245	106,736	24,235	5,014	1,362	3,335	28,421	23,674	16,227	74,713	Germany.
23,270	56,052	14,539	4,974	320	29,691	2,967	3,612	4,944	17,774	Italy.
19,949	31,244	3,341	12,768	1,814	4,436	10,969	11,557	3,825	2,483	Netherlands.
8,123	10,101	1,263	125	24	3,987	6,224	5,533	612	456	Norway.
1,285	1,553	774	341	129	463	220	116	162	632	Poland and Danzig.
12,840	9,122	8,174	3,005	3,578	1,949	836	3,441	252	727	Soviet Russia in Europe.
9,570	15,792	5,713	264	106	11,964	3,001	601	750	2,963	Spain.
38,047	7,478	2,363	594	228	229	31,470	1,965	3,986	4,690	Sweden.
4,291	26,973	637	200	7	5,688	279	5,925	3,368	15,070	Switzerland.
106,162	103,832	38,025	9,641	10,081	8,446	22,433	18,583	35,622	67,163	United Kingdom.
683,212	173,283	486,061	23,236	83,761	29,934	98,091	18,173	15,300	101,941	Asia.
36,093	67,455	26,689	5,615	2,904	2,659	6,563	2,243	537	56,938	British India.
143,624	408	101,528	8	354	240	41,621	107	121	53	British Malaya.
19,762	945	13,604	257	5,906	414	-------	179	251	96	Ceylon.
73,273	40,002	49,161	6,916	3,854	9,227	18,631	10,557	1,626	13,257	China, Hong Kong, and Kwantung.
238,573	40,467	226,573	1,822	5,272	9,072	4,859	4,923	1,869	24,650	Japan.
53,123	4,767	40,024	37	7,710	3,955	5,039	35	349	740	Netherland East Indies.
606	5,191	291	123	300	15	-------	1	15	5,052	Persia.
2,753	8,885	1,955	6,326	630	1,590	90	89	77	880	Turkey (Europe and Asia).
22,686	10,126	17,597	8,504	3,404	1,078	634	323	1,029	223	Oceania.
10,606	6,845	7,627	6,222	1,724	378	622	108	634	137	Australia.
8,492	3,129	6,451	2,282	1,676	641	13	203	353	4	New Zealand.
59,305	8,243	23,308	5,329	11,669	1,416	23,378	742	952	756	Africa.
3,567	452	1,731	23	17	206	1,612	113	206	110	Algeria and Tunisia.
1,924	342	1,315	-------	417	317	1	-------	191	25	British Africa— East.
4,395	2,577	4,155	1,756	37	194	2	579	202	48	South.
18,848	1,469	1,655	1,375	9,676	92	7,474	-------	43	2	West.
12,043	1,547	11,729	1,198	1	252	115	22	198	74	Egypt.

No. 537.—PERCENTAGE DISTRIBUTION OF UNITED STATES FOREIGN TRADE BY ECONOMIC CLASSES AND PRINCIPAL COUNTRIES, 1930

Country	Exports				Imports							
	Crude materials	Foodstuffs	Semimanufactures	Finished manufactures	Crude materials		Foodstuffs		Semimanufactures		Finished manufactures	
					Free	Dutiable	Free	Dutiable	Free	Dutiable	Free	Dutiable
Grand total	21.9	14.3	13.6	50.2	27.3	5.5	13.4	9.3	14.7	5.2	11.7	13.0
Northern North America	22.0	10.6	14.9	52.5	10.8	2.1	6.1	9.1	24.8	5.8	39.3	1.9
Canada	22.8	8.1	15.4	53.7	10.8	2.1	6.3	9.1	25.5	6.0	38.2	1.9
Newfoundland and Labrador	4.1	30.1	6.2	59.6	5.0	1.6	.6	9.6	4.4	(1)	78.6	.3
Southern North America	3.1	21.7	12.4	62.8	11.5	6.7	18.0	32.5	10.0	1.5	18.6	1.3
Mexico	1.7	17.0	12.1	69.2	29.0	7.4	16.8	16.8	20.9	5.3	3.0	.8
British West Indies	5.1	19.0	10.0	65.9	4.6	.8	52.8	11.3	.3	.1	29.0	1.2
Cuba	4.9	27.0	13.0	55.1	3.8	13.7	1.9	76.5	.2	.1	1.0	2.7
Netherland West Indies	.5	9.3	16.2	74.1	10.0	(1)	.1	------	21.9	------	68.0	.1
South America	1.4	8.7	13.2	76.6	22.6	10.9	47.0	3.5	13.2	1.4	.9	.4
Argentina	1.7	4.1	15.0	79.2	25.5	49.1	5.0	11.3	.4	8.0	.8	.1
Brazil	1.8	13.2	11.3	73.8	9.8	1.7	86.8	1.2	.2	(1)	.2	(1)
Chile	.2	3.1	15.2	81.4	15.0	.9	.4	2.3	81.1	(1)	.3	(1)
Colombia	1.1	22.5	9.8	66.6	23.3	.2	75.7	.1	------	------	.3	.4
Peru	.7	12.0	19.0	68.3	24.4	14.8	.1	2.8	57.1	.1	.7	(1)
Uruguay	.7	3.7	15.5	80.1	27.3	32.6	5.5	28.1	.1	------	6.3	(1)
Venezuela	1.0	14.9	7.1	77.0	68.6	.2	27.1	(1)	.1	(1)	4.0	(1)
Europe	29.5	17.4	13.8	39.1	13.7	5.7	2.1	9.5	14.5	11.6	12.1	30.9
Austria	10.1	9.2	7.8	72.9	10.7	.2	(1)	2.2	9.0	12.7	16.5	48.7
Belgium	17.4	18.8	14.5	49.4	19.2	2.3	(1)	1.6	18.0	28.7	1.8	28.3
Czechoslovakia	.7	5.7	6.1	87.4	1.4	.6	------	1.1	3.7	7.3	20.4	65.6
Denmark	7.7	18.4	8.5	65.3	20.5	15.4	.3	21.7	12.8	8.4	8.0	12.9
France	36.4	6.4	13.8	43.3	7.9	2.2	.3	8.2	3.4	9.8	21.7	46.6
Germany	51.4	14.1	14.7	19.8	13.7	2.8	.8	1.9	16.1	13.4	9.2	42.2
Italy	45.4	6.6	21.3	26.7	18.3	6.3	1.0	37.4	3.7	4.6	6.2	22.4
Netherlands	19.3	36.9	16.7	27.0	6.5	24.9	3.5	8.7	21.4	22.6	7.5	4.9
Norway	13.4	23.3	12.2	51.0	6.9	.7	.1	21.9	34.2	30.4	3.4	2.5
Poland and Danzig	12.6	34.8	16.6	36.0	27.3	12.0	4.5	16.3	7.8	4.1	5.7	22.3
Soviet Russia in Europe	6.7	.1	2.9	90.2	37.2	13.7	16.3	8.9	3.8	15.7	1.1	3.3
Spain	37.5	1.2	9.5	51.8	22.5	1.0	.4	47.2	11.8	2.4	3.0	11.7
Sweden	12.2	11.5	16.8	59.5	5.2	1.3	.5	.5	69.1	4.3	8.8	10.3
Switzerland	12.9	3.7	16.0	67.5	2.0	.9	(1)	18.2	.9	10.0	10.8	48.2
United Kingdom	27.6	24.1	14.9	33.4	18.1	4.6	4.8	4.0	10.7	8.8	17.0	32.0
Asia	27.2	9.5	13.9	49.3	56.7	2.7	9.8	3.5	11.5	2.1	1.8	11.9
British India	7.5	3.4	11.7	77.4	25.6	5.4	2.8	2.6	6.3	2.2	.5	54.7
British Malaya	4.3	14.4	8.7	72.6	70.5	(1)	.2	.2	28.9	.1	.1	(1)
Ceylon	6.7	11.8	9.2	72.3	65.7	1.2	28.5	2.0	------	.9	1.2	.5
China, Hong Kong and Kwantung	34.0	13.2	12.6	40.2	43.4	6.1	3.4	8.1	16.4	9.3	1.4	11.7
Japan	47.1	6.5	17.9	28.5	81.2	.7	1.9	3.3	1.7	1.8	.7	8.8
Netherland East Indies	6.4	5.7	13.6	74.3	69.1	.1	13.3	6.8	8.7	.1	.6	1.3
Persia	------	(1)	1.7	98.2	5.0	2.1	5.2	.3	------	(1)	.3	87.1
Turkey (Europe and Asia)	(1)	1.2	12.1	86.6	16.8	54.4	5.4	13.7	.8	.8	.7	7.6
Oceania	9.4	3.1	10.2	77.4	53.7	25.9	10.4	3.3	1.9	1.0	3.1	.7
Australia	11.5	1.8	10.0	76.7	43.7	35.7	9.9	2.2	3.6	.6	3.6	.8
New Zealand	4.5	4.8	10.5	80.1	55.5	19.6	14.4	5.5	.1	1.7	3.0	(1)
Africa	4.9	7.2	6.8	81.1	34.5	7.9	17.3	2.1	34.6	1.1	1.4	1.1
Algeria and Tunisia	7.5	1.2	9.5	81.9	43.1	.6	.4	5.1	40.1	2.8	5.1	2.7
British Africa—												
East	.6	1.9	2.7	94.8	58.0	------	18.4	14.0	(1)	------	8.4	1.1
South	.1	3.3	6.3	90.3	59.6	25.2	.5	2.8	(1)	8.3	2.9	.7
West	21.6	19.4	4.1	54.9	8.1	6.8	47.6	.5	36.8	------	.2	(1)
Egypt	4.9	19.2	8.3	67.6	86.3	8.8	(1)	1.9	.8	.2	1.5	.5

[1] Less than one-tenth of 1 per cent.

No. 538.—FREE AND DUTIABLE GENERAL IMPORTS BY PRINCIPAL COUNTRIES

NOTE.—For 1929 and 1930 dutiable imports for consumption from China were less and the free imports correspondingly greater than the general imports because of carpet wool which was originally classified as dutiable but later entered free under special provision. See Table 527. The reclassification of carpet wool from dutiable to free affects to a smaller degree statistics for Argentina, British India, and other wool exporting countries. See headnote, Table 527

[All figures except percentages in thousands of dollars]

Country	1910–1914, average			1929			1930		
	Free	Dutiable	Per cent free	Free	Dutiable	Per cent free	Free	Dutiable	Per cent free
Grand total	905,796	783,078	53.6	2,843,354	1,556,007	64.6	2,051,110	1,009,798	67.0
Northern North America	64,446	54,072	54.4	393,937	115,433	77.6	336,847	78,509	81.5
Canada	63,855	53,358	54.5	389,225	114,271	77.3	325,215	77,136	80.8
Newfoundland and Labrador	565	707	44.4	9,250	1,161	88.8	10,159	1,326	88.5
Southern North America	97,122	131,495	42.5	225,142	242,019	48.2	201,727	145,628	58.0
Mexico	59,387	11,092	84.3	85,962	31,776	73.0	55,993	24,300	69.7
Central American countries	16,808	561	96.8	39,471	5,299	88.2	36,145	2,482	93.6
Cuba	4,789	117,288	3.9	9,510	197,911	4.6	8,459	113,490	6.9
Other West Indies and Bermudas	16,138	2,555	86.3	1,682	1,497	52.9	101,130	4,996	95.3
South America	191,833	15,025	92.7	536,644	102,913	83.9	363,025	70,492	83.7
Argentina [1]	22,758	10,120	69.2	44,000	73,572	37.4	22,719	49,172	31.6
Bolivia	2	(2)	93.2	33	347	8.7	38	114	25.0
Brazil	110,189	689	99.4	203,184	4,502	97.8	126,974	3,880	97.0
Chile	22,527	354	98.5	99,194	2,831	97.2	53,051	1,762	96.8
Colombia	10,952	994	91.7	103,111	414	99.6	96,521	618	99.4
Ecuador	3,158	212	93.7	4,920	910	84.4	4,130	1,423	74.4
Peru	8,969	811	91.7	25,532	4,636	84.6	17,530	3,755	82.3
Uruguay	3,539	946	78.9	5,200	13,477	27.8	4,850	7,503	39.3
Venezuela	8,782	340	96.3	51,152	72	99.9	36,788	80	99.8
Europe	332,967	503,532	39.8	511,676	820,951	38.4	385,328	523,518	42.4
Belgium	17,288	23,072	42.8	23,908	50,140	32.3	20,132	31,404	39.1
Czechoslovakia				13,509	32,560	29.4	7,524	22,060	25.4
Denmark	1,966	631	75.7	2,233	2,328	49.0	1,323	1,858	41.6
France	41,227	88,903	31.7	52,410	119,075	30.6	37,818	75,957	33.2
Germany	63,746	112,716	36.1	93,645	161,043	36.8	70,245	106,736	39.7
Greece	474	2,855	14.2	1,839	15,918	10.3	1,513	10,280	12.8
Italy	17,321	33,828	33.9	26,136	90,931	22.3	23,270	56,052	29.3
Netherlands	10,151	24,786	29.1	26,196	57,657	31.2	19,949	31,244	39.0
Norway	2,126	5,900	26.3	10,238	10,997	48.2	8,124	10,101	44.6
Soviet Russia in Europe	15,418	3,713	80.6	11,476	10,044	53.3	12,841	9,122	58.5
Spain	10,071	11,639	46.6	12,362	23,697	34.3	9,570	15,792	37.7
Sweden	1,955	7,575	20.5	41,900	11,077	79.1	38,047	7,478	83.6
Switzerland	561	24,121	2.3	6,057	42,293	12.5	4,291	26,973	13.6
United Kingdom	140,814	138,083	50.5	157,936	171,814	47.9	106,162	103,832	50.5
Asia	187,298	71,236	72.4	1,039,166	241,115	81.2	683,212	173,283	79.8
British India [1]	30,175	26,181	53.5	59,334	89,999	39.7	36,693	67,455	35.2
British Malaya	24,318	307	98.8	238,281	883	99.6	143,623	408	99.8
Ceylon	9,430	536	94.6	30,769	1,668	94.8	19,762	945	95.4
China [1]	25,613	9,710	72.5	110,769	55,464	66.6	66,015	35,449	65.1
Netherland East Indies	4,676	4,518	50.9	75,053	7,248	91.2	53,123	4,768	91.8
Hong Kong	1,717	1,337	56.2	7,635	4,031	65.4	5,657	3,345	62.8
Japan	66,749	18,250	78.5	377,589	54,284	87.4	238,573	40,467	85.5
Philippine Islands	19,412	18	99.9	125,769	23	99.9	109,387	2	99.9
Oceania	12,221	5,055	70.7	33,764	22,792	59.7	22,686	10,125	69.1
Australia	8,256	4,056	67.1	19,448	12,520	60.8	10,606	6,845	60.8
New Zealand	2,821	937	75.1	10,697	10,137	51.3	8,492	3,129	72.9
Africa	19,909	2,664	88.2	97,822	10,786	90.1	59,305	8,243	87.8
British South Africa	696	1,767	28.3	5,803	3,853	60.2	4,305	2,577	63.0
British West Africa	650	98	86.8	29,122	878	97.1	18,848	1,469	92.7
Egypt	16,618	269	98.4	37,439	2,235	94.4	12,043	1,547	88.6

[1] See headnote.

[2] Less than $500.

No. 539.—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 Adjusted figures taking account of this movement are given in Table 530. Figures for 1910 to 1914

[All figures in

Country	Exports (including reexports)							
	1910–1914, average	1921–1925, average	1925	1926	1927	1928	1929	1930
Grand total	2,165,818	4,397,027	4,909,848	4,808,660	4,865,375	5,128,357	5,240,995	3,843,181
North America[1]	501,095	1,071,959	1,138,354	1,176,482	1,253,027	1,321,367	1,395,064	1,019,226
1. Northern[1]	319,890	627,382	658,641	747,685	845,307	924,172	961,473	670,652
Canada[1]	315,044	619,017	648,768	738,568	836,532	914,713	948,446	659,094
Newfoundland and Labrador.	4,778	8,181	9,623	8,851	8,483	9,210	12,502	11,285
Miquelon and St. Pierre.	68	174	231	258	280	245	509	270
Greenland		10	19	8	12	4	16	3
2. Southern	181,205	444,577	479,713	428,798	407,720	397,195	433,590	348,574
Mexico	53,091	146,345	144,720	134,994	109,148	115,654	133,863	116,135
Central America	*57,569*	*58,788*	*72,780*	*75,058*	*76,548*	*82,117*	*90,756*	*68,339*
British Honduras	1,482	1,922	2,162	2,369	2,061	1,838	1,893	1,652
Costa Rica	3,437	5,139	6,800	6,312	7,298	8,088	8,313	4,554
Guatemala	2,834	7,214	9,382	11,088	10,632	13,314	11,525	7,305
Honduras	2,847	10,312	9,570	7,540	8,487	9,728	12,811	9,602
Nicaragua	2,442	5,284	7,435	6,264	6,950	7,357	7,031	4,869
Panama	22,461	22,807	28,237	31,921	34,051	34,201	41,133	35,900
Salvador	2,077	6,060	9,194	9,557	6,869	7,591	8,050	4,457
West Indies and Bermudas.	*90,546*	*239,494*	*262,213*	*213,752*	*222,224*	*199,424*	*208,969*	*164,100*
Bermudas	1,446	3,637	3,160	3,287	3,774	3,458	4,000	4,698
Barbados	[2] 1,467	1,591	1,410	1,593	1,616	1,531	1,388	1,358
Jamaica	[2] 4,974	8,537	8,945	8,386	8,641	8,141	9,131	8,374
Trinidad and Tobago.	[2] 3,329	5,176	4,209	4,905	5,930	4,717	6,736	6,239
Other British	[2] 2,945	5,446	5,572	6,040	5,750	5,635	6,002	4,705
Cuba	63,047	181,294	198,655	160,488	155,383	127,897	128,909	93,550
Dominican Republic.	4,411	15,282	17,764	14,572	18,871	16,807	14,190	9,271
Netherland West Indies.	864	3,095	4,207	4,866	6,431	13,622	24,167	24,020
French West Indies	1,633	2,630	2,665	1,958	2,704	2,597	3,358	3,108
Haiti	5,862	10,910	13,711	10,857	11,071	12,742	8,790	7,104
Virgin Islands of U. S.	854	1,894	1,915	1,799	2,053	2,277	2,298	1,673
South America	121,033	297,115	402,606	443,507	438,159	480,815	539,310	337,509
3. Caribbean	13,075	43,965	70,008	92,281	86,261	99,055	96,478	60,171
Colombia	5,764	25,862	41,377	49,281	48,694	58,596	48,983	25,130
Guiana—								
British	1,808	2,094	2,000	1,582	1,501	1,348	1,100	1,045
Surinam (Netherlands).	723	983	1,220	1,578	1,183	1,034	897	867
French	294	450	254	151	139	157	173	162
Venezuela	4,486	14,576	25,157	39,690	34,744	37,920	45,325	32,967
4. East Coast	84,715	193,497	258,398	233,005	278,666	306,453	348,826	206,159
Argentina	47,169	117,002	148,759	143,575	163,485	178,899	210,288	129,862
Falkland Islands	1	4	4	60	67	80	6	8
Brazil	31,484	59,921	87,461	95,449	88,737	100,104	108,787	53,809
Paraguay	134	617	902	905	1,317	1,354	1,500	1,067
Uruguay	5,927	15,952	21,270	23,015	25,060	26,016	28,245	21,413
5. West Coast	23,239	59,653	74,202	88,221	73,232	75,307	94,006	71,179
Bolivia	915	3,649	5,088	5,163	4,942	4,951	5,985	4,219
Chile	13,870	30,132	39,274	49,043	37,889	40,351	55,776	46,374
Ecuador	2,424	4,930	6,808	4,662	5,531	6,595	6,069	4,866
Peru	6,030	20,942	23,032	29,353	24,870	23,410	26,176	15,720

For footnotes, see p. 514.

MERCHANDISE BY CONTINENTS, COMMERCIAL REGIONS, AND COUNTRIES

trade by way of other countries, this being usually larger in the case of our exports to them than of our ance. A specially marked case of indirect trade is that of grain exported through Canada to Europe. cover fiscal years; other figures, calendar years

thousands of dollars]

Imports								Country
1910–1914, average	1921–1925, average	1925	1926	1927	1928	1929	1930	
1,688,874	3,450,103	4,226,589	4,430,888	4,184,742	4,091,444	4,399,381	3,060,908	Grand total.
347,136	910,902	980,533	1,011,670	985,458	960,702	981,529	761,711	North America.[1]
118,518	396,668	458,781	485,503	484,499	499,959	514,370	414,355	1. Northern.[1]
117,213	393,771	454,235	475,881	475,028	489,303	503,496	402,350	Canada.[1]
1,272	2,528	3,713	9,039	9,066	10,117	10,411	11,485	Newfoundland and Labrador.
7	37	152	64	58	90	28	66	Miquelon and St. Pierre.
[2] 33	333	691	519	347	449	435	454	Greenland.
228,617	514,233	521,742	526,067	500,959	480,743	467,159	347,356	2. Southern.
70,479	147,488	178,835	169,306	137,815	124,514	117,738	80,293	Mexico.
17,369	*36,357*	*42,625*	*48,873*	*40,430*	*45,345*	*44,771*	*38,628*	*Central America.*
1,435	2,421	2,834	2,848	3,749	2,851	3,336	2,682	British Honduras.
3,793	5,090	4,792	7,052	6,035	5,555	5,203	4,813	Costa Rica.
2,845	10,015	11,338	14,491	10,179	9,561	8,470	7,401	Guatemala.
2,756	5,957	8,719	8,720	9,311	12,239	12,833	12,600	Honduras.
1,420	4,987	6,188	5,976	4,227	5,490	5,748	3,522	Nicaragua.
3,781	4,635	6,431	5,549	5,384	6,398	5,351	4,735	Panama.
1,338	3,251	2,323	4,237	1,545	3,201	3,830	2,875	Salvador.
140,770	*330,388*	*300,282*	*307,837*	*322,714*	*290,884*	*304,650*	*228,436*	*West Indies and Bermudas.*
599	1,076	893	1,124	1,107	944	773	659	Bermudas.
[2] 308	351	456	569	496	437	493	499	Barbados.
[2] 6,140	6,878	8,238	9,111	9,723	8,000	7,528	7,763	Jamaica.
[2] 5,490	5,199	5,970	8,234	7,461	9,675	10,823	8,373	Trinidad and Tobago.
[2] 1,434	2,372	3,028	3,380	3,862	2,257	2,405	1,596	Other British.
122,077	299,605	261,673	250,600	256,786	202,842	207,421	121,949	Cuba.
3,617	8,138	7,258	8,131	11,026	9,372	8,465	7,255	Dominican Republic.
474	4,290	9,298	24,386	29,933	54,433	64,589	78,345	Netherland West Indies.
59	168	387	162	105	162	105	105	French West Indies.
794	1,651	2,060	1,379	1,247	1,567	1,445	1,123	Haiti.
221	660	1,021	810	968	1,195	603	768	Virgin Islands of U. S.
206,858	421,336	518,797	567,979	518,275	569,410	639,758	433,518	South America.
22,545	65,832	84,766	115,190	118,840	135,575	156,882	136,369	3. Caribbean.
11,946	49,370	63,376	90,242	87,803	94,599	103,525	97,139	Colombia.
494	675	980	1,206	981	914	830	739	Guiana— British.
944	737	743	361	1,412	1,091	1,171	1,538	Surinam (Netherlands).
38	177	103	66	46	66	132	85	French.
9,122	14,873	19,564	23,316	28,598	38,905	51,224	36,868	Venezuela.
148,280	251,361	318,877	342,513	312,075	332,397	344,475	215,346	4. East Coast.
32,878	83,270	80,170	88,058	97,240	99,438	117,561	71,891	Argentina.
	468	655	104		3	2		Falkland Islands.
110,878	152,170	221,572	235,307	203,027	220,701	207,686	130,854	Brazil.
39	655	380	541	913	546	529	247	Paraguay.
4,485	14,799	16,100	18,502	10,895	11,709	18,677	12,354	Uruguay.
36,084	104,142	115,154	110,276	87,360	101,438	138,401	81,803	5. West Coast.
2	1,082	84	280	218	176	379	152	Bolivia.
22,881	77,186	89,194	81,442	61,857	75,160	102,025	54,813	Chile.
3,370	6,859	8,702	6,757	5,194	5,345	5,830	5,554	Ecuador.
9,780	19,015	17,174	21,797	20,091	20,757	30,167	21,284	Peru.

No. 539.—Exports (Including Reexports) and General Imports of Mer

[All figures in

Country	Exports (including reexports)							
	1910–1914, average	1921–1925, average	1925	1926	1927	1928	1929	1930
Europe[1]	1,350,299	2,317,944	2,603,750	2,310,144	2,313,782	2,374,916	2,340,848	1,838,375
6. Northwestern and Central	1,222,899	1,960,627	2,193,586	1,984,517	1,976,378	1,975,049	1,942,134	1,513,279
Sweden	10,033	39,443	42,465	40,854	44,689	57,323	58,704	44,922
Norway	7,819	28,081	26,200	24,880	23,361	21,141	23,647	20,281
Denmark	15,393	42,615	55,747	50,577	53,605	47,173	51,442	40,243
Iceland	16	290	249	247	202	297	448	361
United Kingdom	567,592	[3] 939,412	1,033,856	972,606	840,059	847,326	848,000	678,105
Irish Free State	----------	47,280	7,280	16,987	10,882	13,466	14,421	13,725
Belgium	53,117	111,284	120,258	99,299	116,216	111,830	114,855	86,000
France	138,841	265,196	280,290	264,004	228,781	240,692	265,592	223,960
Netherlands	104,575	133,228	141,518	135,795	148,220	142,278	128,295	104,915
Austria	[5] 20,581	2,211	2,884	2,891	4,364	5,978	5,331	4,751
Czechoslovakia	----------	1,665	2,854	2,968	7,442	5,341	6,123	5,001
Hungary	([5])	330	819	987	1,753	2,734	2,328	1,337
Germany	304,098	383,219	470,344	364,162	481,681	467,260	410,449	278,209
Switzerland	833	7,198	8,813	8,260	10,123	12,210	12,499	11,349
7. Northeastern	25,882	58,267	90,435	66,995	92,000	109,487	116,131	133,246
Estonia	----------	2,081	1,534	826	918	960	830	513
Finland	[2] 3,031	10,442	12,801	12,916	16,488	18,742	14,894	11,290
Latvia	----------	3,047	1,305	727	1,029	1,070	2,320	805
Lithuania	----------	67	43	88	218	335	184	274
Poland and Danzig	----------	10,881	6,556	3,939	9,261	15,876	16,356	9,002
Soviet Russia in Europe[6]	23,456	31,749	68,196	48,499	64,086	72,504	81,547	111,362
8. Southwestern	96,451	268,107	295,579	240,199	219,495	263,859	252,398	171,415
Azores and Madeira Islands.	214	987	1,144	1,280	1,946	731	1,031	1,293
Gibraltar	473	3,412	1,348	1,677	1,450	1,619	143	117
Italy	65,966	185,237	205,151	157,402	131,651	162,125	153,967	100,429
Portugal	3,610	8,005	8,733	11,634	10,672	12,771	15,135	12,069
Spain	26,189	70,465	79,203	68,206	73,776	86,613	82,120	57,507
9. Southeastern	5,068	30,943	24,100	18,433	25,909	26,521	30,180	20,435
Bulgaria	165	745	302	358	468	649	1,053	589
Greece	873	17,153	16,633	10,353	15,028	13,853	16,741	12,522
Malta, Gozo, and Cyprus Islands.	378	1,381	1,192	1,312	1,112	805	1,288	897
Rumania	1,415	2,409	2,199	3,111	4,925	9,431	9,795	4,920
Turkey in Europe	2,225	8,058	2,773	2,510	3,380	----------	----------	----------
Yugoslavia and Albania	[7] 12	1,198	1,001	789	996	1,783	1,303	1,507
Asia	121,042	498,353	486,592	564,543	559,605	654,514	643,215	447,987
10. Western	2,600	8,047	7,074	6,122	7,478	11,900	15,239	12,478
Aden	1,345	1,099	589	549	587	516	608	225
Arabia	----------	362	660	1,043	400	322	426	336
Iraq	----------	----------	----------	----------	638	704	979	1,003
Palestine	----------	3,129	4,779	3,359	1,088	1,506	1,405	1,370
Syria	----------	----------	----------	----------	2,547	3,078	3,581	2,414
Persia	132	960	439	754	1,569	1,531	2,430	2,743
Turkey in Asia[8]	1,123	2,508	607	417	647	4,242	5,810	4,385
11. Southern and Southeastern.	40,613	119,137	135,151	166,770	184,687	186,985	209,813	154,907
British India	10,904	38,188	38,282	50,013	63,297	53,694	55,359	45,195
Ceylon	[9] 413	[9] 1,453	2,386	2,858	2,674	2,746	2,847	1,796
British Malaya	2,876	8,030	11,388	13,563	13,624	11,816	14,641	9,601
Java and Madura	([10])	([10])	13,549	17,407	23,558	25,316	30,537	16,885
Other Netherland East Indies	3,098	17,242	5,655	10,202	8,579	9,129	15,113	12,523

For footnotes, see pp. 514 and 515.

CHANDISE, BY CONTINENTS, COMMERCIAL REGIONS, AND COUNTRIES—Continued

thousands of dollars]

Imports								Country
1910–1914, average	1921–1925, average	1925	1926	1927	1928	1929	1930	
836,499	1,049,494	1,238,181	1,285,863	1,276,466	1,248,749	1,332,630	908,845	Europe[1]
723,829	884,987	1,035,645	1,070,229	1,050,866	1,054,460	1,105,968	745,775	6. Northwestern and Central.
9,530	34,073	41,033	44,018	47,896	46,086	52,986	45,525	Sweden.
8,086	18,498	23,289	25,055	22,231	21,726	21,235	18,224	Norway.
2,597	6,029	4,328	5,508	4,145	3,938	4,561	3,181	Denmark.
71	106	97	178	92	327	544	437	Iceland.
278,897	[3] 355,781	412,705	383,198	357,931	348,540	329,755	209,994	United Kingdom.
----------	[4] 1,269	1,269	1,476	1,597	1,273	4,260	5,364	Irish Free State.
40,360	58,335	69,019	77,793	72,234	75,074	74,048	51,536	Belgium.
130,130	147,875	157,433	152,020	167,800	168,748	171,485	113,775	France.
34,937	70,625	92,539	101,855	87,242	83,604	83,853	51,193	Netherlands.
[5] 18,077	4,097	5,858	9,419	10,611	12,121	12,235	7,780	Austria.
----------	17,373	22,838	28,302	31,726	36,783	46,129	29,584	Czechoslovakia.
([5])	603	719	873	941	1,216	1,839	936	Hungary.
176,462	132,496	164,251	198,495	200,554	222,130	254,688	176,981	Germany.
24,082	38,843	40,267	42,038	45,866	42,895	48,350	31,265	Switzerland.
19,254	17,719	27,387	34,921	31,055	32,735	43,056	37,797	7. Northeastern.
----------	400	320	1,235	432	1,064	875	544	Estonia.
[2] 153	7,549	7,159	9,108	8,670	9,872	11,225	10,454	Finland.
----------	2,578	3,709	5,982	4,469	3,836	4,050	1,772	Latvia.
----------	205	767	947	520	410	533	226	Lithuania.
----------	2,369	2,527	4,147	4,825	3,604	4,853	2,838	Poland and Danzig.
19,131	4,557	12,905	13,503	12,139	13,949	21,520	21,963	Soviet Russia in Europe.[6]
79,589	115,147	140,431	151,081	149,753	143,673	161,912	111,083	8. Southwestern.
267	2,495	1,743	1,595	1,814	1,615	1,445	1,465	Azores and Madeira Islands.
11	16	34	31	53	30	15	8	Gibraltar.
51,149	79,141	102,205	102,526	103,970	101,681	117,067	79,321	Italy.
6,552	3,855	3,651	5,560	4,565	5,329	7,326	4,927	Portugal.
21,610	29,639	32,798	41,369	34,351	35,018	36,059	25,362	Spain.
13,827	31,642	34,718	29,632	44,792	17,881	21,694	14,190	9. Southeastern.
376	1,029	968	1,295	892	707	881	514	Bulgaria.
3,329	22,255	26,187	16,908	29,646	14,610	17,757	11,793	Greece.
18	160	228	195	226	121	186	38	Malta, Gozo, and Cyprus Islands.
248	266	302	1,098	649	677	559	314	Rumania.
8,859	7,421	5,602	8,981	12,394	----------	----------	----------	Turkey in Europe.
[7] 996	511	1,431	1,155	985	1,766	2,311	1,532	Yugoslavia and Albania.
258,534	942,879	1,319,126	1,400,701	1,256,757	1,168,928	1,280,279	856,496	Asia
13,576	21,279	28,967	26,234	26,874	41,791	35,068	24,964	10. Western.
1,808	2,221	3,286	2,892	3,060	3,315	2,457	1,742	Aden.
} ----------	2,547	4,973	4,145	71	90	174	66	Arabia.
				4,308	5,744	6,241	3,765	Iraq.
} ----------	2,337	4,450	2,945	248	280	182	165	Palestine.
				3,984	4,681	5,200	1,791	Syria.
1,377	4,773	7,212	8,401	7,527	9,293	8,648	5,797	Persia.
10,392	9,402	9,046	7,851	7,676	18,388	12,166	11,638	Turkey in Asia.[8]
119,750	425,025	715,416	815,192	657,887	586,072	629,582	436,794	11. Southern and Southeastern.
56,356	109,020	144,503	150,930	131,003	148,932	149,332	104,148	British India.
[9] 9,966	[9] 27,059	48,159	55,805	40,846	30,737	32,437	20,707	Ceylon.
24,625	153,247	314,023	383,800	277,784	204,364	239,164	144,032	British Malaya.
([10])	([10])	56,160	68,395	51,600	53,890	49,433	33,453	Java and Madura.
9,194	54,962	39,674	51,222	39,788	32,252	32,868	24,437	Other Netherland East Indies.

No. 539.—Exports (Including Reexports) and General Imports of Mer

[All figures in

Country	Exports (including reexports)							
	1910–1914, average	1921–1925, average	1925	1926	1927	1928	1929	1930
Asia—Continued.								
11. Southern and Southeastern—Continued.								
French Indo-China	243	1,079	1,371	2,190	1,427	1,738	2,525	1,549
Philippine Islands	22,596	51,927	61,002	68,648	69,522	79,805	85,530	64,935
Siam	481	1,199	1,444	1,852	1,940	2,638	3,162	2,365
Other Asia	1	19	14	37	64	103	99	58
12. Eastern	77,829	371,689	344,367	391,651	367,440	455,629	418,131	290,604
China	21,578	104,175	94,442	110,205	83,471	137,661	124,163	89,605
Hong Kong	9,137	17,810	14,306	12,819	18,866	21,977	10,566	16,987
Kwantung	676	6,735	5,267	6,466	6,698	6,246	11,841	6,405
Japan	45,290	241,877	229,642	260,754	257,570	288,158	259,127	164,570
Soviet Russia in Asia [11]	1,148	1,072	710	1,407	835	1,587	3,464	3,037
13. Oceania	47,716	141,426	189,489	212,705	193,714	180,033	192,022	107,719
Australia	38,722	111,273	148,524	168,605	159,124	141,440	150,110	75,990
New Zealand	7,791	28,198	38,363	41,575	32,517	35,825	39,461	29,827
British Oceania	296	606	1,065	1,425	1,156	1,509	1,433	1,055
French Oceania	754	1,065	1,215	1,011	917	1,259	1,018	847
Other Oceania	153	284	322					
Africa	24,638	69,729	89,057	101,279	107,088	116,713	130,535	92,365
14. Mediterranean	4,914	20,830	18,200	23,878	25,145	27,868	33,375	25,116
Algeria and Tunisia	[12] 2,357	[12] 7,329	5,652	6,669	6,855	8,725	10,848	8,270
Canary Islands	752	2,110	1,986	3,833	2,343	3,259	2,766	3,010
Egypt	1,688	8,221	7,394	10,249	11,182	11,059	14,026	8,904
Italian Africa	50	63	95	15	55	80	65	65
Morocco	51	2,445	2,391	2,313	3,296	3,669	5,019	4,160
Spanish Africa, n. e. s.	17	661	682	799	1,414	1,076	651	707
15. Other Africa	19,724	48,899	70,857	77,401	81,943	88,845	97,160	67,249
Ethiopia		10	7	4	18	21	25	51
Belgian Congo	34	469	787	1,233	729	771	1,382	1,302
British Africa—								
West	[14] 3,189	7,835	10,688	9,913	13,777	13,454	12,381	9,379
Union of South Africa.	12,910	31,369	46,162	51,080	52,486	57,016	61,130	38,078
Other British South Africa.						2,077	2,622	1,051
East	708	2,306	3,840	3,977	4,843	4,890	5,417	4,487
Liberia	96	213	329	389	756	597	400	316
Madagascar	18	130	168	287	360	313	654	433
French Africa, n. e. s.	(13)	[15, 16] 2,350	3,256	4,066	2,928	3,353	4,824	5,013
Portuguese Africa	2,770	4,687						
Mozambique			4,907	4,959	4,872	5,008	6,055	5,857
Other			713	1,492	1,174	1,345	2,270	1,282
Latin America (groups 2, 3, 4, and 5).	302,233	741,692	832,319	872,305	845,879	878,010	972,900	686,083
Far East (groups 11, 12, 13)	166,158	632,232	669,007	771,125	745,841	822,647	819,966	543,230

[1] See headnote and Table 530.
[2] Average, 1911–1914.
[3] *Irish Free State is included in United Kingdom prior to 1925.*
[4] 1925 only.
[5] Figures given under Austria are for Austria-Hungary.
[6] Includes Ukraine reported separately for 1921–1924.
[7] Serbia and Montenegro.
[8] Includes Greece in Asia and Armenia and Kurdistan reported separately for 1921–1924.

CHANDISE, BY CONTINENTS, COMMERCIAL REGIONS, AND COUNTRIES—Continued

thousands of dollars]

Imports								Country
1910–1914, average	1921–1925, average	1925	1926	1927	1928[9]	1929	1930	
								Asia—Continued.
								11. Southern and Southeastern—Continued.
1	235	100	197	142	34	29	219	French Indo-China.
19,430	80,108	111,819	103,797	115,980	115,009	125,792	109,390	Philippine Islands.
110	301	770	633	570	254	527	400	Siam.
68	94	208	414	174	----------	----------	8	Other Asia.
125,208	496,575	574,743	559,275	571,996	541,065	615,629	394,738	12. Eastern.
35,323	142,035	168,939	143,204	151,680	139,951	166,233	101,464	China.
3,054	15,937	17,789	11,293	14,785	13,567	11,665	9,002	Hong Kong.
98	2,739	3,527	3,466	2,688	3,021	4,827	2,809	Kwantung.
84,999	335,384	384,156	400,693	402,105	384,450	431,873	270,040	Japan.
1,734	480	332	619	738	76	1,031	2,423	Soviet Russia in Asia.[11]
17,276	53,994	77,808	68,355	54,531	53,450	56,557	32,791	13. Oceania.
12,312	37,534	55,110	45,738	38,627	31,577	31,968	17,451	Australia.
3,758	13,821	19,734	18,326	12,671	19,208	20,834	11,621	New Zealand.
118	864	625	1,454	1,069	1,152	2,027	2,048	British Oceania.
1,048	1,489	1,871	2,337	2,164	1,483	1,728	1,071	French Oceania.
40	286	468	----------	----------	----------	----------	----------	Other Oceania.
22,573	71,499	92,144	96,420	93,255	90,207	108,608	67,547	Africa.
18,096	36,232	44,999	39,378	39,338	35,619	46,489	19,309	14. Mediterranean.
[12] 733	[12] 2,096	2,933	3,154	4,650	4,938	4,382	4,019	Algeria and Tunisia.
139	249	282	464	652	835	511	444	Canary Islands.
10,887	33,471	41,045	35,215	33,292	28,687	39,675	13,590	Egypt.
106	21	2	1	11	22	76	63	Italian Africa.
232	394	737	542	731	1,136	1,845	1,193	Morocco.
----------	----------	----------	----------	2	1	----------	----------	Spanish Africa, n. e. s.
4,477	35,267	47,145	57,042	53,917	54,588	62,119	48,238	15. Other Africa.
1	2	([13])	14	28	26	828	79	Ethiopia.
7	909	1,824	1,697	16,015	15,729	11,580	14,043	Belgian Congo.
								British Africa—
[14] 749	12,843	17,349	19,794	23,945	22,168	30,000	20,316	West.
2,463	9,292	9,215	19,827	8,742	9,120	9,638	6,939	Union of South Africa.
----------	----------	----------	----------	----------	61	18	33	Other British South Africa.
942	1,750	3,344	2,258	1,614	2,810	[1] 3,102	2,265	East.
2	29	77	280	362	104	101	52	Liberia.
33	207	525	271	108	217	326	307	Madagascar.
([13])	[12, 15] 775	1,283	1,199	1,630	1,201	2,466	2,590	French Africa, n. e. s.
280	9,615	----------	----------	----------	----------	----------	----------	Portuguese Africa.
----------	----------	13,444	11,563	1,300	3,071	4,047	1,572	Mozambique.
----------	----------	84	141	173	81	13	42	Other.
435,476	935,569	1,040,539	1,094,046	1,019,233	1,030,153	1,106,917	78,0874	Latin America (groups 2, 3, 4, and 5).
262,233	975,594	1,367,967	1,442,823	1,284,415	1,180,587	1,301,768	864,323	Far East (groups 11, 12, 13).

[9] Other British East Indies prior to 1922.
[10] Included in other Netherlands East Indies.
[11] Includes Far Eastern Republic reported separately for 1921–1924.
[12] Figures given under Algeria and Tunisia include French Africa, n. e. s., for years prior to 1922.
[13] Less than $500.
[14] Includes Kamerun.
[15] Average, 1922–1925.

No. 540.—EXPORTS (INCLUDING REEXPORTS) AND GENERAL IMPORTS OF MERCHANDISE, BY GROUPS OF CUSTOMS DISTRICTS

NOTE.—Fiscal years to and including 1915; thereafter, calendar years. All figures except export figures for 1865 and 1870–1878 represent specie values; exports 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. Exports and imports of the interior districts, a small percentage of the total (see Table 542), are not included in this table

[All figures in thousands of dollars]

Year or yearly average	Atlantic coast		Gulf coast		Mexican border		Pacific coast		Northern 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, 478	----------	----------	10, 905	15, 048	16, 228	27, 580
1870	293, 440	370, 614	146, 020	16, 505	2, 213	959	14, 647	16, 241	1, 5043	31, 639
1871–1875	390, 885	501, 968	122, 677	20, 099	2, 719	1, 440	21, 581	26, 039	22, 318	28, 328
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	8, 597	9, 619	44, 260	46, 683	44, 235	48, 245
1896–1900	813, 139	611, 207	188, 587	18, 356	15, 051	4, 579	60, 712	49, 627	79, 727	50, 247
1901–1905	923, 383	776, 744	207, 581	37, 652	25, 364	12, 931	81, 029	55, 747	126, 276	76, 141
1906–1910	1, 068, 483	1, 052, 156	408, 656	60, 901	33, 074	16, 980	86, 229	82, 813	192, 242	112, 757
1911–1915	1, 364, 246	1, 278, 953	513, 960	100, 153	22, 785	24, 708	135, 718	128, 019	333, 493	159, 878
1915–1920[1]	4, 234, 998	2, 245, 780	946, 560	185, 341	49, 361	41, 471	449, 906	429, 557	840, 366	432, 185
1921–1925	2, 207, 289	2, 296, 418	1, 088, 592	233, 228	73, 826	17, 117	374, 062	421, 082	653, 761	456, 922
1926–1930	2, 224, 224	2, 675, 493	1, 082, 472	275, 442	92, 606	30, 003	526, 059	485, 671	825, 539	535, 040
1887	538, 943	578, 040	104, 229	11, 963	2, 654	5, 089	41, 414	42, 223	28, 943	46, 793
1888	522, 696	595, 776	104, 674	13, 865	3, 443	5, 712	36, 314	49, 187	28, 828	51, 263
1889	548, 011	609, 888	107, 600	17, 289	4, 401	8, 182	48, 847	51, 171	33, 543	51, 066
1890	628, 865	653, 535	141, 120	17, 821	5, 608	9, 353	45, 361	50, 993	36, 875	49, 540
1891	637, 454	697, 965	151, 941	23, 214	7, 541	11, 106	52, 583	53, 581	34, 962	49, 584
1892	753, 107	689, 458	174, 686	21, 750	6, 993	12, 501	55, 826	49, 988	39, 666	46, 010
1893	624, 278	717, 360	125, 592	24, 682	12, 152	13, 826	42, 230	48, 315	43, 413	52, 923
1894	670, 266	537, 644	126, 788	20, 681	7, 345	8, 229	34, 599	41, 241	53, 143	41, 693
1895	590, 393	613, 737	122, 138	16, 709	8, 955	2, 435	36, 061	40, 290	49, 991	51, 017
1896	635, 842	645, 204	131, 320	17, 548	10, 984	3, 687	44, 071	49, 174	60, 390	56, 153
1897	733, 205	639, 407	181, 269	19, 991	13, 999	4, 135	58, 925	43, 906	63, 596	50, 066
1898	862, 325	502, 146	201, 848	13, 063	12, 135	5, 065	74, 183	50, 264	80, 981	39, 478
1899	870, 755	576, 163	194, 390	17, 483	15, 820	4, 632	56, 204	45, 873	89, 404	45, 588
1900	963, 569	693, 113	234, 108	23, 693	22, 320	5, 378	70, 175	58, 916	104, 267	59, 948
1901	1, 002, 841	670, 622	235, 465	26, 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	87, 515	54, 301	111, 441	67, 756
1903	904, 172	821, 252	285, 021	38, 378	26, 936	13, 377	79, 253	56, 475	125, 759	82, 054
1904	897, 106	779, 237	334, 795	43, 924	29, 261	12, 450	65, 723	57, 499	133, 942	83, 744
1905	917, 350	888, 239	319, 544	48, 210	26, 245	14, 981	103, 122	62, 257	152, 300	90, 030
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	469, 273	62, 908	41, 101	18, 001	92, 030	91, 140	198, 674	109, 172
1908	1, 155, 761	907, 185	396, 552	59, 341	33, 101	10, 869	94, 207	81, 982	181, 147	114, 874
1909	976, 963	1, 018, 847	409, 631	59, 566	27, 136	16, 178	69, 949	85, 962	179, 329	112, 690
1910	1, 018, 144	1, 227, 155	399, 100	68, 705	29, 106	22, 911	73, 189	88, 657	225, 398	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, 268, 101	463, 974	92, 245	27, 194	22, 512	127, 542	111, 488	322, 371	137, 882
1913	1, 348, 811	1, 375, 850	543, 077	103, 612	24, 903	27, 060	146, 856	128, 895	401, 998	153, 613
1914	1, 304, 109	1, 374, 621	566, 388	120, 372	16, 630	32, 803	136, 243	138, 151	341, 183	205, 273
1915	1, 739, 159	1, 212, 656	508, 435	102, 388	14, 801	20, 801	173, 686	158, 858	332, 020	164, 897
1915 (6 mos.)	1, 303, 840	638, 241	223, 556	44, 396	9, 766	13, 024	97, 319	105, 067	218, 381	105, 395
1916	3, 826, 421	1, 654, 404	624, 381	114, 298	23, 501	42, 970	337, 920	294, 973	670, 418	268, 982
1917	4, 287, 541	1, 798, 340	663, 341	144, 479	48, 420	46, 144	390, 024	539, 336	844, 186	404, 061
1918	3, 758, 942	1, 829, 544	776, 176	156, 390	47, 556	52, 414	538, 987	568, 563	1, 027, 428	403, 316
1919	5, 211, 140	2, 629, 614	1, 235, 148	220, 298	58, 021	35, 195	599, 000	463, 137	817, 116	529, 496
1920	4, 904, 606	3, 801, 648	1, 083, 476	339, 513	84, 220	38, 345	511, 233	391, 488	1, 044, 482	665, 769
1921	2, 378, 557	1, 726, 488	1, 076, 736	158, 231	103, 543	10, 113	311, 605	190, 308	614, 591	408, 411
1922	1, 938, 344	2, 024, 214	914, 466	188, 420	57, 012	11, 300	312, 357	430, 152	609, 598	440, 266
1923	2, 070, 261	2, 534, 277	991, 864	237, 570	59, 564	20, 155	371, 572	480, 679	674, 231	486, 843
1924	2, 245, 602	2, 357, 723	1, 164, 452	281, 881	73, 253	20, 343	447, 311	477, 302	638, 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, 373
1926	2, 308, 548	2, 953, 131	1, 120, 944	325, 614	72, 831	26, 317	518, 888	546, 102	759, 473	543, 493
1927	2, 297, 143	2, 774, 503	1, 100, 918	285, 373	77, 120	27, 623	506, 125	510, 509	850, 284	555, 002
1928	2, 290, 374	2, 677, 130	1, 227, 757	284, 576	95, 464	30, 394	561, 007	504, 695	924, 741	564, 119
1929	2, 424, 262	2, 931, 456	1, 140, 328	283, 941	115, 663	39, 595	595 015	523, 543	939, 071	585, 417
1930	1, 800, 794	2, 041, 245	822, 412	197, 706	101, 953	26, 087	449, 260	343, 446	648, 128	427, 172

[1] Period July 1, 1915, to Dec. 31, 1920.

No. 541.—EXPORTS (INCLUDING REEXPORTS) AND GENERAL IMPORTS OF MERCHANDISE, BY PRINCIPAL CUSTOMS DISTRICTS

NOTE.—All figures in thousands of dollars. Fiscal years to and including 1915; thereafter, calendar years. Figures represent specie values except for exports for years 1865 and 1870–1878. 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. See also headnote, Table 540

Year or yearly average	Massachusetts		New York		Philadelphia		Maryland		Georgia	
	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports
1860	12,748	39,334	80,048	231,310	5,527	14,612	8,940	9,781	18,352	782
1865	19,862	24,390	202,509	152,249	11,053	7,038	12,141	4,816		
1870	14,126	47,484	196,615	281,049	16,928	14,483	14,511	19,512	29,747	1,002
1871–1875	25,334	59,165	257,564	383,499	24,907	22,809	21,631	27,966	30,749	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	68,516	360,521	503,284	43,432	57,617	75,026	14,873	25,020	387
1896–1900	110,895	69,025	433,950	477,123	56,495	43,284	98,725	12,390	27,214	377
1901–1905	102,378	80,132	511,464	597,139	73,588	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	76,794	141,012	913,312	975,410	74,238	86,261	107,095	30,196	84,022	4,882
1915–1920[1]	217,236	273,049	2,912,529	1,703,482	415,261	144,849	320,396	42,282	130,812	16,745
1921–1925	55,559	257,227	1,611,328	1,675,784	117,833	182,857	113,995	77,686	71,832	19,714
1926–1930	40,666	267,496	1,689,191	1,957,949	100,406	205,098	93,543	109,108	73,099	17,814
1887	59,002	61,018	316,347	456,699	35,427	39,952	51,607	12,536	23,783	202
1888	56,457	63,898	310,627	470,427	28,816	41,772	46,237	11,742	20,256	294
1889	66,334	66,731	319,839	472,154	29,775	48,529	50,612	15,224	17,865	374
1890	71,202	62,877	349,052	516,427	37,411	53,936	73,984	13,140	30,884	472
1891	77,020	71,213	346,529	537,786	33,674	59,428	64,412	20,556	33,506	516
1892	87,176	71,780	413,953	536,538	58,541	60,007	98,850	13,419	25,704	302
1893	85,460	79,358	347,396	548,559	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	66,889	325,580	477,741	35,043	48,803	61,939	12,261	20,524	426
1896	95,851	79,180	354,275	499,933	39,567	43,841	66,390	13,477	21,409	274
1897	100,857	90,178	391,680	480,604	47,305	48,073	85,693	11,371	23,443	416
1898	117,532	51,475	445,516	402,281	56,244	31,420	118,846	8,907	28,938	392
1899	128,037	52,098	459,444	465,560	60,950	41,223	107,156	9,151	24,080	376
1900	112,196	72,196	518,834	537,237	78,406	51,866	115,530	19,045	38,252	430
1901	143,708	61,452	529,593	527,260	79,354	48,043	106,239	18,899	46,739	645
1902	102,404	71,921	490,362	559,931	80,383	47,750	80,533	22,825	41,525	572
1903	88,126	86,311	505,830	618,706	73,532	59,995	81,704	27,803	54,141	1,037
1904	89,845	80,658	506,808	600,171	71,393	58,890	82,836	20,346	53,770	924
1905	87,804	100,318	524,726	679,629	63,278	60,181	91,215	21,181	62,245	1,489
1906	98,740	106,442	607,160	734,351	82,564	70,801	109,925	30,085	64,840	1,503
1907	100,872	124,433	627,950	853,697	94,832	79,870	104,809	37,774	63,040	2,204
1908	96,051	93,679	701,063	688,216	109,261	63,432	89,989	29,477	61,695	2,044
1909	76,158	112,473	607,239	779,309	84,286	68,884	77,551	24,022	50,900	2,152
1910	70,517	129,006	651,986	935,991	73,266	88,403	77,382	29,901	63,428	3,855
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	975,744	69,070	85,038	92,211	26,438	104,287	5,130
1913	69,553	146,599	917,936	1,048,321	76,315	93,210	116,474	32,895	58,235	4,462
1914	65,716	159,916	864,546	1,040,381	65,183	96,483	109,690	34,480	110,595	6,270
1915	107,476	152,654	1,193,581	931,011	90,666	72,948	131,978	24,983	74,919	3,251
1915 (6 mos.)	53,707	81,345	1,026,310	498,617	77,689	31,420	57,647	11,938	20,262	859
1916	183,953	202,990	2,790,403	1,257,185	317,134	111,411	291,168	38,942	68,638	1,684
1917	208,532	229,404	2,901,138	1,361,662	502,224	102,244	377,376	36,963	107,777	4,888
1918	221,315	295,915	2,560,857	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	153,819	353,713	38,900	258,682	15,397
1920	192,802	392,753	3,283,873	2,892,621	442,250	282,763	381,557	69,824	202,014	54,269
1921	60,251	164,922	1,730,256	1,332,265	130,672	122,302	142,810	41,124	64,124	9,986
1922	50,545	238,507	1,375,396	1,484,685	126,477	154,332	124,941	60,069	67,673	14,072
1923	52,159	307,288	1,518,852	1,797,820	100,507	219,710	93,436	91,836	51,493	28,928
1924	57,346	253,852	1,657,698	1,690,003	106,444	202,597	100,172	100,494	77,337	22,666
1925	47,494	321,567	1,774,436	2,074,149	119,064	215,343	108,614	94,906	98,534	22,917
1926	41,283	305,879	1,682,538	2,224,964	97,005	195,823	129,348	106,241	104,594	19,490
1927	42,181	288,499	1,726,110	2,042,783	90,911	204,500	101,323	108,967	97,228	18,056
1928	45,470	276,512	1,769,904	1,950,058	88,424	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	116,589	57,912	18,698
1930	33,633	176,199	1,384,309	1,469,227	101,830	165,928	53,840	103,736	45,563	14,435

[1]Period July 1, 1915, to Dec. 31, 1920.

No. 541.—Exports (Including Reexports) and General 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	533	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	739	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	483	9,926	2,013	12,260	15,664	5,375
1891–1895	93,628	18,583	36,707	776	4,673	7,069	3,054	15,853	16,720	6,081
1896–1900	99,832	13,833	65,432	1,385	15,077	6,030	4,796	12,936	26,018	5,609
1901–1905	147,174	28,215	114,840	2,055	30,760	8,405	5,043	18,150	39,045	7,973
1906–1910	153,171	45,945	185,524	4,717	47,483	12,562	4,664	24,766	62,736	13,426
1911–1915	179,038	78,668	241,254	7,611	82,712	24,321	10,341	32,000	102,360	20,967
1916–1920[1]	428,107	149,070	346,984	15,930	198,686	88,161	21,379	40,133	294,375	61,893
1921–1925	391,342	167,731	523,904	30,066	162,606	77,517	27,681	46,066	211,729	76,859
1926–1930	363,633	201,668	548,254	31,598	209,103	130,663	11,865	48,914	292,545	93,297
1887	79,520	9,652	18,903	705	450	9,548	1,461	11,704	14,172	5,032
1888	81,257	11,618	15,703	716	476	10,357	1,632	12,721	13,645	5,534
1889	83,829	14,492	15,576	723	489	11,230	2,181	13,100	18,613	5,867
1890	108,127	14,658	24,447	416	588	9,726	2,481	13,590	19,399	5,389
1891	109,107	20,267	33,772	648	732	8,809	2,340	15,303	16,510	5,933
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	681	9,246	4,478	3,610	15,480	16,700	6,284
1895	68,413	13,862	41,887	370	9,638	6,858	1,558	15,053	16,604	5,916
1896	80,987	13,471	36,397	603	10,799	5,908	1,293	15,546	22,928	6,650
1897	101,494	16,619	58,198	779	10,818	7,189	2,310	11,528	22,273	6,381
1898	112,827	9,664	68,429	1,166	14,571	5,385	7,489	10,141	23,606	5,002
1899	87,993	11,918	78,477	2,921	14,989	5,449	7,675	12,154	28,725	4,657
1900	116,859	17,491	85,658	1,454	24,206	6,959	5,212	15,310	32,559	5,353
1901	152,777	20,462	101,857	954	23,629	6,726	10,030	14,532	33,742	6,232
1902	134,487	23,763	96,722	969	25,121	8,233	5,093	16,861	34,735	7,630
1903	149,073	28,881	104,121	1,511	28,696	8,973	4,551	20,122	40,328	8,566
1904	148,595	34,037	145,316	1,848	35,601	7,980	2,322	21,088	41,688	8,480
1905	150,937	33,933	126,182	4,992	40,755	10,413	3,221	18,145	44,733	8,957
1906	150,479	39,466	166,318	5,019	44,207	10,132	2,581	22,210	57,750	10,998
1907	170,562	46,047	237,308	7,029	48,750	11,744	4,013	25,017	64,865	11,515
1908	159,456	42,786	161,352	5,694	46,460	11,316	4,925	26,172	61,108	14,537
1909	144,982	45,713	189,464	3,355	42,891	13,065	4,775	23,671	60,161	14,172
1910	140,377	55,712	173,179	2,488	55,109	16,553	6,529	26,761	69,794	15,909
1911	172,835	66,722	220,505	3,531	67,279	18,973	6,916	30,586	81,898	17,031
1912	148,161	75,090	218,146	4,310	81,543	20,506	7,665	28,749	96,941	16,815
1913	169,980	82,399	281,458	7,821	103,103	20,405	4,869	32,537	112,641	19,687
1914	193,840	89,383	255,768	12,245	87,676	30,306	8,688	38,631	102,573	26,347
1915	209,373	79,745	230,392	10,148	73,959	31,415	23,565	29,498	117,747	24,956
1915 (6 mos.)	91,583	35,976	92,370	2,814	50,015	20,126	7,835	14,018	84,852	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	212,320	105,612	4,419	27,008	279,143	54,131
1918	399,997	124,258	226,834	14,013	208,340	99,915	69,019	40,301	379,158	57,231
1919	563,073	177,286	467,183	17,704	199,051	96,378	6,524	45,804	297,029	74,896
1920	712,380	274,073	649,253	30,730	237,930	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	363,282	129,756	417,142	21,160	146,021	70,283	38,506	46,914	205,977	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	205,974	579,509	41,487	156,256	72,247	26,415	45,739	195,902	81,537
1925	467,279	221,023	639,418	35,862	177,764	115,496	14,259	50,630	252,274	84,247
1926	413,793	238,805	533,825	38,906	191,676	125,668	17,843	50,478	272,375	101,682
1927	370,607	211,684	554,893	35,883	219,904	137,936	17,718	51,585	279,907	91,314
1928	375,837	211,783	682,346	30,801	223,938	144,928	9,002	50,381	328,439	92,099
1929	384,570	208,431	573,567	30,635	239,803	157,380	8,178	52,583	342,646	105,433
1930	273,358	137,640	396,640	21,767	170,193	117,402	6,586	39,542	239,358	75,959

[1] Period July 1, 1915, to Dec. 31, 1920.

No. 541.—Exports (Including Reexports) and General Imports of Merchandise, by Principal Customs Districts—Continued

[All figures in thousands of dollars]

Year or yearly average	San Francisco		Washington	
	Exports	Imports	Exports	Imports
1860	4,868	7,367	63	-------
1865	9,988	15,802	633	12
1870	13,992	15,983	428	35
1871–1875	19,476	25,459	497	30
1876–1880	27,718	29,798	486	33
1881–1885	41,740	39,109	1,647	109
1886–1890	33,035	44,344	2,708	417
1891–1895	32,365	43,557	5,627	1,068
1896–1900	36,607	40,443	13,948	6,399
1901–1905	37,751	38,188	30,708	9,907
1906–1910	32,758	49,226	38,567	23,409
1911–1915	60,154	63,760	57,711	50,200
1915–1920[1]	186,317	197,613	222,702	206,862
1921–1925	158,275	155,500	110,361	214,213
1926–1930	183,236	195,351	136,886	212,134
1887	32,711	40,708	1,770	348
1888	27,085	46,693	2,251	407
1889	37,673	48,426	4,069	362
1890	36,876	48,751	3,326	305
1891	40,169	50,943	5,729	477
1892	40,737	47,136	6,566	573
1893	31,144	45,291	5,093	840
1894	24,903	38,147	4,942	1,230
1895	24,873	36,270	5,805	2,222
1896	31,583	41,400	6,855	5,484
1897	39,648	34,376	11,865	7,066
1898	41,224	42,823	17,919	5,058
1899	30,215	35,747	15,200	7,240
1900	40,368	47,870	17,903	7,149
1901	34,597	35,162	20,679	6,721
1902	38,184	35,103	33,789	11,971
1903	33,503	36,454	32,500	12,177
1904	32,547	37,543	22,730	11,285
1905	49,924	46,676	43,843	7,378
1906	39,915	44,433	49,235	13,614
1907	33,027	54,095	43,659	25,353
1908	28,000	48,251	44,033	22,209
1909	31,669	49,998	25,788	26,960
1910	31,181	49,351	30,121	28,910
1911	40,625	53,885	39,361	36,655
1912	49,250	59,235	63,746	39,011
1913	66,021	62,502	62,548	51,474
1914	63,375	67,111	55,012	55,392
1915	81,501	76,068	67,888	68,467
1915 (6 mos.)	41,807	42,290	46,161	55,933
1916	126,758	117,128	200,448	161,780
1917	175,136	231,979	196,932	289,078
1918	214,695	245,519	296,166	300,954
1919	240,518	238,027	292,274	195,919
1920	225,828	211,928	192,880	134,079
1921	129,111	97,129	90,327	58,539
1922	145,099	170,815	90,071	218,218
1923	160,432	166,685	116,088	262,156
1924	173,442	146,335	134,760	270,284
1925	183,292	196,537	120,557	261,870
1926	186,773	210,139	147,570	261,880
1927	174,555	199,999	129,513	239,284
1928	201,265	198,275	150,817	229,024
1929	206,018	212,678	153,874	216,774
1930	147,568	155,564	102,655	113,708

[1] Period July 1, 1915, to Dec. 31, 1920.

No. 542.—EXPORTS (INCLUDING REEXPORTS) AND GENERAL 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 523

[All figures in thousands of dollars]

Customs district	Exports, domestic and foreign			Imports			Duties collected
	1928	1929	1930	1928	1929	1930	1930
Total	5,128,356	5,240,995	3,843,181	4,091,444	4,399,361	3,060,908	485,488
North Atlantic coast	1,912,048	2,077,395	1,529,441	2,482,631	2,733,618	1,854,477	341,084
Maine and New Hampshire	8,141	9,472	9,571	28,584	30,451	30,893	1,888
Massachusetts	45,470	40,763	33,633	276,512	290,394	176,199	31,747
Rhode Island	103	203	97	4,896	8,995	7,886	1,082
Connecticut			1	6,890	7,514	4,344	759
New York	1,769,904	1,903,095	1,384,309	1,950,058	2,152,716	1,469,227	265,417
Philadelphia	88,424	123,862	101,830	215,692	243,547	165,928	39,291
South Atlantic coast	378,326	346,867	271,353	194,499	197,838	186,768	43,859
Maryland	98,974	84,231	53,840	110,026	116,569	103,736	13,348
Virginia	182,595	172,000	146,862	32,818	30,867	33,097	10,230
North Carolina	11,178	9,608	3,702	7,381	10,873	17,141	10,940
South Carolina	18,981	17,998	17,317	12,554	9,102	8,041	573
Georgia	60,199	57,912	45,563	18,394	18,698	14,435	6,836
Porto Rico	6,398	5,118	4,069	13,326	11,729	10,319	[1] 1,932
Gulf coast	1,227,757	1,140,328	822,412	284,578	283,941	197,706	32,751
Florida	54,264	58,428	47,188	28,340	30,125	25,829	3,732
Mobile	48,859	55,509	38,859	10,319	10,706	10,747	623
New Orleans	375,837	384,570	273,358	211,783	208,431	137,640	21,253
Sabine	66,451	68,254	66,367	3,333	4,045	1,723	26
Galveston	682,346	573,567	396,640	30,801	30,635	21,767	7,112
Mexican border	95,464	115,669	101,953	30,394	39,595	26,087	2,715
San Antonio	75,152	92,418	81,715	6,715	7,177	4,358	541
El Paso	10,131	10,724	10,241	6,081	6,390	5,052	607
Arizona	10,182	12,522	9,996	17,598	26,028	16,676	1,567
Pacific coast	561,007	595,015	448,260	504,695	523,543	343,446	26,554
Washington	150,817	153,374	102,655	229,024	216,774	113,708	5,020
Oregon	63,879	66,060	46,787	12,124	19,700	10,977	1,022
San Francisco	201,265	206,018	147,568	198,275	212,678	155,564	12,755
Los Angeles	141,899	166,329	146,108	54,351	63,685	50,156	5,811
San Diego [2]			3,803			1,932	129
Alaska	623	607	347	559	954	1,710	21
Hawaii	2,524	2,126	1,992	10,361	9,753	9,400	1,796
Northern border	924,741	939,071	648,128	564,119	585,417	427,172	28,896
Vermont	61,060	67,537	46,390	54,905	56,193	48,112	1,537
St. Lawrence	77,987	81,210	62,314	127,984	114,686	73,993	1,679
Rochester	12,576	14,706	11,301	8,430	8,182	6,552	1,598
Buffalo	223,933	239,803	170,193	144,928	157,380	117,402	4,767
Ohio	35,385	36,562	31,370	23,657	29,495	18,008	3,988
Michigan	328,439	342,046	239,358	92,099	105,433	75,959	3,942
Chicago	9,002	8,178	6,580	50,381	52,583	39,542	9,999
Wisconsin	3,467	3,568	752	5,735	5,820	4,027	688
Duluth and Superior	84,265	55,201	21,365	23,553	25,731	21,638	313
Dakota	79,267	78,251	50,366	29,344	26,712	19,221	288
Montana and Idaho	9,354	11,408	8,135	3,103	3,201	2,718	97
Interior			124	30,530	35,408	25,253	9,029
Pittsburgh				7,385	9,233	8,830	4,145
Kentucky				1,302	1,156	538	774
Tennessee				543	794	358	93
Indiana				1,793	2,173	1,111	645
Iowa				109	242	188	82
Omaha				682	1,205	676	354
St. Louis				10,226	11,411	9,339	2,377
Minnesota			124	7,413	7,598	3,270	881
Colorado				918	1,497	872	218
Utah and Nevada				99	99	71	60
Parcel post	29,014	26,656	20,510				

[1] Total duties collected. This amount less the cost of collection is turned into the island treasury.
[2] Included in Los Angeles prior to June 20, 1930.

No. 543.—IN TRANSIT AND TRANSSHIPMENT TRADE OF THE UNITED STATES: BY CONTINENTS AND PRINCIPAL COUNTRIES

[Values in thousands of dollars]

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	
1922	233,412	50,504	10,032	8,199	19,912	204,699	12,457	10,786
1923	298,846	70,536	14,978	16,325	28,245	246,098	17,139	21,822
1924	252,056	67,188	16,543	18,058	22,350	194,974	15,596	21,447
1925	332,984	68,471	15,753	28,160	27,274	262,640	15,954	26,832
1926	300,070	82,115	14,995	32,413	25,918	219,952	24,097	25,994
1927	371,419	91,285	17,050	30,908	30,552	274,524	14,735	29,631
1928	286,994	174,215	16,811	28,117	101,755	198,741	19,719	22,915
1929	288,133	81,055	11,142	29,912	29,298	192,858	17,703	32,737
1930	204,095	74,202	12,598	21,941	27,130	142,442	17,930	17,507
	Africa		Canada		Mexico		Cuba	
1922	513	2,133	214,662	27,978	6,516	6,913	5,464	8,693
1923	1,145	5,572	273,861	36,755	8,018	7,987	6,728	14,630
1924	651	5,529	226,410	32,271	9,383	9,803	6,001	13,841
1925	905	6,768	308,133	24,701	9,165	9,731	6,953	18,076
1926	1,614	6,219	275,891	37,748	7,849	11,574	7,318	17,554
1927	1,807	9,215	333,611	38,060	13,339	12,502	10,010	23,427
1928	2,465	7,756	252,359	132,403	15,554	11,966	8,455	13,428
1929	1,219	11,007	249,082	36,293	22,886	11,288	6,149	17,095
1930	1,818	7,479	167,736	34,181	20,236	11,250	6,456	14,752
	Argentina		Peru		United Kingdom		Belgium	
1922	1,446	3,378	3,619	169	11,283	101,437	374	12,161
1923	3,683	7,218	6,142	285	16,602	104,018	798	15,509
1924	3,342	8,197	6,621	474	11,273	96,822	808	14,442
1925	2,378	12,206	7,500	968	13,050	121,729	1,085	16,453
1926	3,610	10,446	5,349	1,287	10,875	92,081	1,613	16,139
1927	3,906	13,117	7,211	1,408	11,177	149,926	3,277	13,682
1928	4,996	8,536	3,743	1,748	61,832	100,773	3,390	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
	France		Netherlands		Germany		Italy	
1922	1,463	11,419	1,941	16,174	1,987	7,606	940	27,539
1923	2,450	16,526	2,140	28,653	1,707	18,198	1,638	27,464
1924	1,751	13,495	2,776	13,221	2,047	21,858	1,348	15,544
1925	2,057	14,477	3,808	17,546	2,969	30,025	2,021	22,671
1926	1,712	7,832	3,038	22,221	3,842	32,922	1,700	12,670
1927	1,630	14,098	3,645	22,123	5,482	29,235	1,953	18,950
1928	4,813	13,588	6,463	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	3,843	13,786	5,842	18,447	1,698	7,811

No. 544.—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[1]	Maine and New Hampshire	New York	Philadelphia				
1922	276,325	245,141	18,306	155,074	30,110	857	3,406	10,896	16,025
1923	360,354	313,754	30,787	215,601	30,179	1,176	2,516	14,546	28,361
1924	307,197	261,586	15,561	196,345	21,320	580	4,491	17,681	22,858
1925	392,871	356,535	13,491	275,581	38,497	170	3,006	16,595	16,565
1926	366,693	314,645	15,296	241,480	24,327	235	3,912	21,987	25,915
1927	435,564	333,512	10,575	266,704	26,774	2,265	5,236	22,760	71,791
1928	426,744	307,778	5,372	248,764	17,300	8,380	3,404	15,770	91,411
1929	347,569	274,611	3,785	234,405	11,182	9,866	9,566	17,177	36,367
1930	203,571	198,318	2,326	178,633	7,596	5,728	11,456	15,541	32,529

[1] Includes districts not specified.

No. 545.—VALUE OF PRINCIPAL ARTICLES

NOTE.—Specie values except for 1865, and 1870–1878; for those years mixed gold and currency values, thereafter. In some cases blanks represent entire absence

[All figures in thou

Year or yearly average	Meat products	Animal fats and oils	Leather	Rye (including flour)	Wheat (including flour)	Oil cake and meal	Fruits and nuts	Rubber and manufactures	Naval stores, gums, and resins	Tobacco, unmanufactured
1821					4,476				315	5,649
1830					6,132		24		356	5,586
1840					11,779		55		666	9,884
1850					7,742		25		1,372	9,951
1860	8,080	6,200	693		19,525	1,609	206	241	3,886	15,907
1865	20,696	14,473	669	160	46,905	2,267	415	291	343	41,625
1870	11,630	9,909	111	217	68,341	3,419	543	186	3,277	21,100
1871–1875	33,037	25,773	3,785	710	82,188	4,195	1,138	212	5,192	24,475
1876–1880	66,660	35,496	7,256	2,194	133,940	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	35,168	9,167	380	106,331	7,143	3,724	857	6,009	23,085
1891–1895	82,184	51,133	11,931	2,570	147,211	8,565	4,075	1,450	7,536	22,806
1896–1900	100,858	53,369	18,703	4,076	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	7,331	19,438	33,186
1911–1915	81,315	83,806	44,656	3,613	172,788	25,570	31,865	13,362	21,852	46,064
1915–1920 [2]	401,251	166,868	110,215	52,009	512,963	21,978	61,501	46,430	20,417	139,509
1921–1925	*139,833*	*146,401*	*44,287*	*39,475*	*321,864*	*24,695*	*82,869*	*39,003*	*22,379*	*164,596*
1926–1930	77,988	116,856	47,481	14,767	230,647	24,392	122,234	67,366	30,266	144,549
1887	53,179	32,105	9,170	228	142,667	7,310	2,670	834	5,861	25,948
1888	52,462	32,354	8,423	61	111,019	6,424	3,510	867	5,930	21,936
1889	59,727	35,982	9,515	172	86,949	6,928	5,072	832	5,966	18,901
1890	78,409	48,202	11,175	1,294	102,312	8,000	4,060	1,090	7,444	21,480
1891	81,965	51,011	12,023	230	106,126	7,452	2,435	1,236	8,192	21,034
1892	84,048	48,841	10,518	11,455	236,761	9,713	6,626	1,416	7,990	20,670
1893	80,842	50,967	10,695	1,013	169,029	9,689	3,919	1,609	7,287	22,892
1894	81,698	57,311	12,779	136	128,679	8,807	2,424	1,472	6,791	24,085
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	24,571
1897	89,017	42,590	16,431	3,675	115,835	9,611	7,739	1,927	9,215	24,711
1898	105,984	54,771	17,796	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	21,797	1,457	140,998	16,806	11,643	3,124	12,474	29,422
1901	123,367	68,226	21,321	1,333	166,231	18,724	10,827	3,659	12,587	27,656
1902	122,912	72,985	22,350	1,590	178,537	19,943	8,719	4,032	11,734	27,104
1903	106,199	72,258	23,514	3,157	161,552	19,839	18,058	4,674	12,919	35,251
1904	103,229	71,040	24,852	452	104,745	17,069	20,679	5,149	16,145	29,641
1905	99,035	70,158	28,058	21	44,082	21,777	15,607	5,509	16,107	29,801
1906	114,670	92,110	29,317	925	87,864	23,992	15,274	6,544	20,076	28,808
1907	107,571	94,098	32,058	573	122,390	26,416	17,588	7,429	21,687	33,377
1908	102,045	92,076	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	38,115
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	28,229	30,964	12,823	26,755	43,252
1913	68,018	88,573	42,384	1,282	142,208	29,444	37,079	14,325	26,471	49,354
1914	68,443	80,562	36,669	1,586	142,408	21,668	31,850	12,441	19,882	53,964
1915	131,850	78,720	65,229	15,150	428,422	28,879	34,933	14,768	11,127	44,494
1915 (6 mos.) [3]	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	33,253	37,345	33,934	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	181,421	55,127	31,065	505,266	2,785	32,373	31,501	10,236	122,918
1919	697,707	326,290	218,784	74,211	650,351	36,041	126,265	53,866	31,434	259,986
1920	279,270	191,587	108,876	125,878	821,448	18,012	84,390	85,437	34,503	245,532
1921	157,122	145,955	31,787	44,589	550,752	24,489	70,157	30,786	11,449	205,133
1922	140,175	118,215	45,471	46,075	291,821	19,898	75,864	34,009	18,510	146,489
1923	153,677	158,520	42,834	29,021	204,641	19,831	68,619	36,972	24,820	153,439
1924	121,156	159,017	49,188	40,204	328,324	27,590	97,689	40,622	25,309	164,130
1925	127,033	150,298	52,155	37,484	233,784	31,666	102,015	52,630	31,809	153,787
1926	105,837	136,111	49,815	12,379	284,872	26,458	111,797	60,733	36,865	136,919
1927	71,011	116,760	54,003	39,913	324,836	30,186	121,665	70,691	34,335	139,667
1928	67,722	119,442	55,178	17,567	193,743	27,198	129,324	69,545	26,433	154,465
1929	78,756	124,066	42,943	3,698	192,292	28,414	137,467	76,953	30,998	146,083
1930	65,612	87,901	35,468	278	157,494	9,706	110,916	58,906	22,698	145,609

[1] Includes semimanufactures.

[3] Average for period July 1, 1915, to Dec. 31, 1920.

OF UNITED STATES MERCHANDISE EXPORTED

Figures are for fiscal years ended Sept. 30, through 1840, and June 30, 1850 through 1915; calendar years of trade; in other cases the item was not segregated

sands of dollars]

Cotton, raw	Cotton manufactures [1]	Sawmill products	Other wood manufactures	Coal and coke	Petroleum and products	Iron and steel-mill products	Copper and manufactures	Machinery, all classes	Automobiles including engines and parts	Year or yearly 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	2,279	167	-------	-------	105	-------	-------	1850.
191,807	10,935	3,884	6,148	741	-------	-------	1,664	-------	-------	1860.
6,836	3,452	7,020	11,261	1,371	15,766	1,190	1,545	7,222	-------	1865.
227,028	3,787	4,660	7,880	1,306	32,669	539	1,042	5,783	-------	1870.
205,624	3,196	6,749	9,108	2,538	36,913	1,116	749	8,373	-------	1871–1875.
183,530	10,047	7,840	7,924	2,474	43,808	1,185	2,564	8,357	-------	1876–1880.
218,763	12,693	11,796	9,347	4,077	47,753	1,322	3,951	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	14,392	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	31,333	34,447	17,413	26,121	82,260	32,759	54,942	77,958	-------	1901–1905.
437,582	35,141	50,754	21,075	38,825	103,803	54,297	92,334	113,983	6,292	1906–1910.
537,044	52,526	61,379	24,687	58,648	137,058	96,313	123,655	158,897	35,805	1911–1915.
768,361	214,697	60,630	36,556	151,590	347,396	491,191	208,909	354,216	157,775	1915–1920.[2]
804,985	133,052	85,078	30,846	131,112	405,051	166,776	129,761	320,348	177,164	1921–1925.
765,674	124,079	100,571	36,857	121,800	524,364	170,666	149,999	492,617	405,121	1926–1930.
206,222	14,929	10,085	7,710	4,561	48,858	1,465	3,727	10,598	-------	1887.
223,017	13,013	12,532	8,331	6,345	49,211	1,925	8,877	12,156	-------	1888.
237,775	10,213	15,977	10,205	6,714	51,943	2,056	9,867	15,934	-------	1889.
250,969	9,999	16,646	9,872	6,910	53,812	2,793	8,403	19,521	-------	1890.
290,713	13,605	14,887	9,042	8,434	55,741	3,189	11,875	21,110	-------	1891.
258,461	13,226	14,721	9,056	8,761	48,771	2,871	13,263	21,475	-------	1892.
188,771	11,809	14,851	9,499	10,185	46,658	3,358	9,117	21,809	-------	1893.
210,809	14,341	14,463	10,561	12,093	45,320	3,340	22,133	21,087	-------	1894.
204,901	13,790	14,989	10,313	11,445	50,230	3,446	15,573	24,224	-------	1895.
190,056	16,837	17,315	11,836	11,146	66,790	4,692	21,754	29,313	-------	1896.
230,891	21,038	22,038	13,642	11,556	67,592	10,782	33,681	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	13,930	14,294	63,078	29,207	36,424	61,117	-------	1899.
242,989	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	73,489	-------	1901.
291,598	32,108	27,646	16,330	22,486	81,162	25,086	43,820	67,510	949	1902.
317,065	32,216	33,081	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	30,832	58,119	83,841	1,896	1904.
381,399	49,666	36,533	17,956	31,387	87,582	45,402	87,564	88,748	2,481	1905.
401,006	52,944	44,115	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	93,887	55,451	96,601	125,255	5,502	1907.
437,788	25,178	53,839	22,825	42,074	112,857	57,820	105,873	120,581	5,278	1908.
417,391	31,879	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	43,590	106,977	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.
565,849	50,770	66,811	25,667	55,587	122,789	102,385	117,083	160,645	26,435	1912.
547,357	51,510	76,955	30,764	68,416	149,256	124,222	143,124	194,738	32,982	1913.
610,475	49,240	70,095	26,326	62,711	161,085	90,920	151,472	167,909	34,591	1914.
376,218	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	59,647	1915 (6 mos.).[3]
545,229	127,052	33,061	20,818	72,500	220,089	375,975	236,859	278,071	123,064	1916.
575,304	157,207	40,302	28,602	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	205,732	269,951	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	398,458	110,013	64,347	359,805	589,348	497,601	141,717	587,671	303,262	1920.
534,242	115,539	52,532	28,040	170,983	399,871	236,126	97,898	408,465	83,749	1921.
673,250	136,079	67,890	24,485	95,562	344,255	135,218	103,874	233,943	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	32,248	115,966	442,554	150,369	156,646	310,576	209,872	1924.
1,059,751	146,167	99,589	36,109	107,035	472,952	144,102	161,166	367,206	318,386	1925.
814,429	128,768	97,444	37,884	203,884	554,534	174,101	141,204	399,541	320,179	1926.
826,306	133,186	107,574	38,089	109,687	485,903	160,547	150,214	435,574	388,528	1927.
920,008	134,642	108,798	37,525	99,515	525,853	179,647	169,831	496,571	500,177	1928.
770,830	135,115	110,637	40,938	106,151	561,191	206,143	183,404	611,498	539,298	1929.
496,798	88,684	78,402	29,848	89,762	494,339	138,893	105,342	519,901	277,425	1930.

[3] July to December.

No. 546.—VALUE OF PRINCIPAL COMMODITIES

NOTE.—Specie values. Figures represent general imports; they are for fiscal years ended Sept. 30 entire absence of trade; in other

[All figures in thou

Year or yearly average	Hides and skins	Furs, and manufactures[1]	Fruits and nuts	Vegetable oils, expressed, and fats	Coffee	Sugar[2]	Rubber, crude	Tobacco, unmanufactured	Cotton manufactures[3]	Burlaps
1821	893	224	181	-------	4,490	3,554	-------	-------	7,391	-------
1830	2,410	306	520	18	4,227	4,631	-------	-------	7,865	-------
1840	2,756	423	1,405	263	8,546	5,681	-------	-------	6,504	-------
1850	4,799	1,014	1,191	922	11,235	7,556	-------	272	20,781	-------
1860	10,525	1,838	4,804	1,619	21,884	31,079	1,427	1,366	33,216	-------
1865	4,550	2,309	2,265	634	11,242	27,326	1,223	552	9,224	-------
1870	14,402	2,236	7,417	2,153	24,235	56,924	3,460	2,534	23,380	-------
1871–1875	16,649	3,704	10,987	1,097	43,737	76,754	5,391	4,725	31,263	-------
1876–1880	18,237	4,680	11,486	1,230	54,011	73,678	5,998	4,000	22,118	-------
1881–1885	25,179	7,286	17,880	1,697	48,257	87,906	12,732	6,188	31,739	-------
1886–1890	24,373	7,161	19,584	1,898	62,504	83,614	13,791	11,176	28,858	4,552
1891–1895	25,208	9,707	21,322	3,025	98,220	105,946	17,763	12,810	29,482	5,828
1896–1900	39,076	9,224	17,661	3,716	67,830	88,795	24,506	11,355	33,694	8,021
1901–1905	56,206	15,003	23,034	7,350	69,450	77,440	34,823	16,743	47,839	14,368
1906–1910	82,519	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
1915–1920[4]	201,517	47,620	61,755	84,462	165,265	393,906	192,149	51,012	65,816	62,591
1921–1925	93,067	80,552	75,499	59,652	205,792	295,389	192,922	64,831	86,568	60,406
1926–1930	118,003	114,785	84,868	81,940	281,707	207,318	294,428	57,018	63,627	72,250
1887	24,219	7,286	20,608	1,685	56,348	78,411	13,757	8,705	28,940	3,827
1888	23,939	6,735	20,502	1,914	60,508	74,245	16,067	10,871	28,918	4,040
1889	25,128	7,416	18,746	1,805	74,725	88,544	12,387	10,868	26,806	5,384
1890	21,882	7,554	20,746	2,160	78,207	96,095	14,855	17,605	29,918	6,434
1891	27,931	9,829	25,083	2,198	96,124	105,728	17,856	13,284	29,713	5,566
1892	26,850	10,197	20,944	3,116	128,042	104,409	19,718	10,332	28,324	7,064
1893	28,348	10,568	23,687	3,646	80,486	116,256	17,809	14,703	33,638	6,154
1894	16,786	7,620	18,755	2,041	90,315	126,872	15,078	10,985	22,440	4,567
1895	26,123	10,322	17,240	3,522	96,131	76,463	18,353	14,746	33,297	5,789
1896	30,520	9,303	19,032	3,664	84,793	89,220	16,603	16,503	32,643	6,447
1897	27,863	6,015	17,127	3,487	81,544	99,066	17,458	9,584	34,601	9,243
1898	37,069	7,881	14,567	3,358	65,068	60,473	25,386	7,489	27,420	5,671
1899	41,088	10,861	18,314	3,609	55,275	94,964	31,708	9,900	32,265	8,138
1900	57,936	12,060	19,264	4,462	52,468	100,251	31,377	13,297	41,541	10,606
1901	48,220	11,020	19,587	4,688	62,861	90,488	28,455	16,290	40,436	12,606
1902	58,007	15,624	21,481	6,626	70,982	55,061	24,899	15,212	44,956	15,532
1903	58,032	15,302	23,727	9,487	59,201	72,089	30,437	17,235	53,269	14,378
1904	52,006	14,703	24,436	7,829	69,552	71,916	40,444	16,939	50,370	14,631
1905	64,764	18,306	25,937	8,119	84,654	97,645	49,878	18,039	50,162	14,693
1906	83,882	21,856	28,916	9,688	73,256	85,460	45,114	22,448	64,399	20,084
1907	83,207	21,884	35,565	11,690	78,232	92,806	58,920	26,055	74,747	29,114
1908	54,770	15,918	36,874	12,369	67,688	80,258	36,613	22,870	68,825	23,225
1909	78,487	21,087	30,444	14,622	79,112	96,555	61,710	25,401	63,232	19,780
1910	112,248	26,598	36,661	21,639	69,194	106,349	101,079	27,751	68,053	21,448
1911	70,505	23,619	39,978	28,071	90,568	96,691	76,245	27,856	67,004	21,104
1912	102,476	24,986	42,567	25,157	117,827	115,515	93,013	31,919	65,175	24,359
1913	117,389	24,102	41,091	25,191	118,963	103,640	90,170	35,919	60,087	37,774
1914	120,290	13,836	51,026	30,650	110,725	101,486	71,220	35,029	70,723	42,421
1915	104,177	10,162	40,504	23,699	106,766	173,867	83,030	27,157	46,258	28,089
1915 (6 mos.)[5]	67,579	8,940	20,895	10,984	54,394	67,425	58,858	9,384	20,767	15,800
1916	172,603	21,060	44,749	40,081	118,813	227,319	159,745	26,856	54,609	39,089
1917	209,730	29,038	44,744	66,307	122,607	221,990	233,221	33,472	55,675	53,704
1918	108,044	34,194	48,722	111,312	99,423	241,390	140,378	54,080	40,701	80,279
1919	306,510	70,278	78,991	127,833	261,270	393,171	215,820	75,146	52,652	66,022
1920	243,378	92,399	101,551	108,026	252,451	1,015,188	242,796	81,630	137,583	89,359
1921	67,561	40,526	73,532	39,880	142,809	235,287	73,773	54,172	75,430	41,377
1922	107,039	68,614	72,499	59,042	160,854	251,905	101,843	66,000	87,070	49,256
1923	118,917	88,552	70,463	64,686	190,232	380,090	185,000	57,158	100,153	66,972
1924	75,052	88,299	72,335	59,667	248,828	363,656	174,231	75,362	90,914	59,396
1925	90,764	116,755	88,664	74,985	286,235	246,008	429,705	71,404	79,271	85,028
1926	96,811	119,650	87,560	79,060	322,746	232,534	505,818	60,570	67,159	82,238
1927	112,846	138,025	84,721	78,659	264,275	258,163	339,859	74,617	66,197	67,249
1928	150,810	121,711	89,667	77,919	309,644	207,048	244,855	55,160	69,295	80,087
1929	137,281	125,853	86,898	100,662	302,397	209,277	240,966	53,821	69,264	77,377
1930	92,268	68,686	75,496	73,402	209,472	129,566	140,642	40,922	46,221	54,300

[1] Includes fur hats beginning 1921; formerly classified as miscellaneous textile products.
[2] Includes sirups and maple sugar prior to Oct. 4, 1913.
[3] Includes semimanufactures.

IMPORTED INTO THE UNITED STATES

through 1840, and June 30, 1850 through 1915; calendar years thereafter. In some cases blanks represent cases the item was not segregated

sands of dollars]

Wool and mohair	Wool manufactures (including rags, noils, waste)	Silk, raw	Sawmill products	Wood pulp	Paper and manufactures	Petroleum and products	Copper, including ore and manufactures	Tin, including ore	Fertilizers and materials	Year or yearly average
	7,239				58		233	149		1821.
97	5,901	119			170		807	108		1830.
846	10,808	234			70		1,653	229		1840.
1,690	19,621	386			432		2,418	674	92	1850.
4,843	43,142	1,236			497		1,630	1,158	526	1860.
7,734	21,929	1,194			372		1,144	591	590	1865.
6,743	34,491	3,018			1,100		656	2,043	2,192	1870.
15,150	47,763	5,237	7,542		1,822		1,496	3,136	2,383	1871–1875.
10,506	28,482	7,543	4,017		1,359		672	2,927	2,251	1876–1880.
10,603	37,946	12,545	8,076		1,838		525	4,962	4,677	1881–1885.
16,459	48,638	19,380	8,603		2,325		470	7,095	4,723	1886–1890.
18,129	34,531	21,806	9,194	1,851	3,149		896	7,687	6,240	1891–1895.
26,212	29,496	30,514	7,707	1,107	2,882		5,866	10,604	7,043	1896–1900.
24,687	17,429	44,815	12,147	3,027	3,539		22,611	21,550	14,892	1901–1905.
40,132	21,285	66,202	21,112	7,729	6,708		38,026	30,244	27,046	1906–1910.
42,604	22,777	80,079	21,884	16,254	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.[4]
102,369	64,592	348,123	68,410	67,002	105,239	90,793	77,811	59,225	56,865	1921–1925.
78,790	69,295	368,232	56,703	86,044	151,219	131,900	108,244	89,058	67,538	1926–1930.
16,424	44,903	18,687	7,858		2,028		338	6,928	4,959	1887.
15,887	47,719	19,151	8,918		2,401		408	8,759	4,340	1888.
17,975	52,565	18,544	9,610		2,542		483	7,014	4,950	1889.
15,264	56,582	23,285	9,295	1,814	2,817		521	6,899	4,847	1890.
18,231	41,060	17,995	10,077	1,903	3,031		730	7,978	5,950	1891.
19,088	35,566	24,321	9,606	1,820	3,342		1,146	8,668	6,007	1892.
21,064	38,049	29,056	10,739	2,909	3,881		944	12,359	6,157	1893.
6,107	19,439	15,628	8,289	1,065	2,628		861	2,641	5,749	1894.
25,556	38,540	22,029	7,259	958	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.
53,243	49,163	18,497	9,095	801	3,122		1,626	6,536	5,785	1897.
16,784	14,824	31,447	5,068	602	2,839		3,869	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	16,164	44,550	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	19,462	11,741	1902.
22,153	19,546	49,003	13,922	3,388	3,483		20,891	23,619	15,087	1903.
24,814	17,734	44,462	12,027	3,603	3,868		21,682	21,486	16,812	1904.
46,226	17,894	59,543	14,137	4,501	4,117		24,835	23,378	19,294	1905.
39,068	23,081	52,856	19,367	4,585	4,793		32,563	30,933	22,761	1906.
41,534	22,321	70,230	20,959	6,349	6,759		47,725	38,117	25,998	1907.
23,665	19,388	63,666	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	38,076	25,907	26,616	1909.
51,221	23,532	65,425	24,079	11,768	7,491	962	40,245	30,870	35,620	1910.
23,228	18,570	72,714	20,761	13,980	8,224	2,578	39,682	37,936	41,353	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	63,113	41,383	1913.
53,191	34,294	97,828	22,312	17,023	18,244	13,993	54,506	39,422	46,381	1914.
68,243	29,791	80,532	23,453	19,881	18,849	10,087	31,661	30,778	30,139	1915.
43,363	7,461	53,302	16,231	8,567	9,858	5,985	27,992	21,422	15,950	1915 (6 mos.)[5]
125,524	16,471	144,757	30,497	26,986	24,611	14,398	95,335	55,836	43,859	1916.
171,557	23,343	184,283	35,694	41,979	42,031	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	104,589	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	88,330	77,715	45,785	22,319	30,688	1921.
86,540	59,414	365,787	63,844	63,292	85,334	88,486	66,829	46,302	45,123	1922.
129,711	69,118	391,908	82,622	74,744	115,659	78,713	95,988	63,261	63,913	1923.
93,151	69,310	327,582	72,942	75,743	117,673	101,357	96,184	69,024	66,531	1924.
141,957	78,900	396,286	78,150	81,834	119,201	107,694	84,270	95,219	78,072	1925.
106,721	70,667	392,760	74,579	91,231	139,499	124,556	99,742	104,980	69,239	1926.
82,933	78,775	390,365	64,004	85,842	149,365	113,434	84,963	100,944	58,842	1927.
79,861	78,391	367,997	54,885	83,464	156,407	132,842	98,187	87,052	78,118	1928.
87,344	78,501	427,126	54,160	88,573	163,365	143,558	153,710	91,905	72,340	1929.
37,092	40,143	262,913	35,889	81,109	147,461	145,116	104,616	60,411	59,151	1930.

[4] Average for period July 1, 1915, to Dec. 31, 1920.

[5] July to December.

No. 547.—EXPORTS OF UNITED STATES MERCHANDISE AND GENERAL IMPORTS BY GROUPS AND SUBGROUPS

[In millions and tenths of millions of dollars. See headnote, Table 549, as to item omitted in 1929 and 1930.]

Group and subgroup	Exports of U. S. merchandise					General imports				
	1910–1914 [1]	1921–1925 [1]	1926–1930 [1]	1929	1930	1910–1914 [1]	1921–1925 [1]	1926–1930 [1]	1929	1930
Grand total	2,130.4	4,310.2	4,687.8	5,157.1	3,781.2	1,688.9	3,450.1	4,033.5	4,399.4	3,060.9
Group 00.—Animals and animal products, edible	167.8	342.3	234.1	244.2	186.9	42.1	89.3	124.9	142.3	96.8
A. Animals, edible	7.8	6.7	2.0	1.7	1.1	7.6	5.6	15.4	20.6	6.7
B. Meat products	67.3	139.8	78.0	78.8	65.6	7.7	19.3	33.2	40.9	25.7
C. Animal oils and fats, edible	76.7	138.5	110.0	117.7	83.0	-------	-------	.1	.2	.1
D. Dairy products	3.3	30.1	17.4	17.9	14.4	10.8	28.1	31.7	30.4	22.6
E. Fish	9.7	18.0	19.9	23.5	17.2	15.5	29.3	36.7	39.8	35.5
F. Other edible animal products	2.9	9.3	6.8	4.7	5.6	.5	7.0	7.8	10.2	6.1
Group 0.—Animals and animal products, inedible	90.0	109.6	119.3	117.9	91.5	174.4	234.7	337.7	398.7	254.3
A. Hides and skins, raw, except furs	3.2	7.6	9.0	6.8	4.9	104.6	93.1	118.0	137.3	92.3
B. Leather	39.1	44.3	47.5	42.9	35.5	8.5	15.3	35.5	44.6	23.7
C. Leather manufactures	19.0	21.8	16.9	17.7	12.5	9.6	12.8	27.4	41.6	31.2
D. Furs and manufactures	14.7	22.5	31.3	35.7	27.4	23.1	80.6	114.8	125.9	68.7
E. Animal oils and greases, inedible	7.4	8.1	7.0	6.4	5.0	2.6	5.1	10.9	12.0	11.0
F. Other inedible animals and animal products	6.6	5.4	7.5	8.3	6.1	27.0	28.0	31.1	35.6	27.4
Group 1.—Vegetable food products and beverages	253.6	675.9	521.5	509.6	354.3	355.3	738.9	778.7	818.7	596.7
A. Grains and preparations	147.3	474.3	318.6	286.4	191.3	18.0	32.6	24.5	20.0	24.1
B. Fodders and feeds	29.4	26.7	27.2	32.7	11.1	2.7	8.0	14.8	17.5	17.0
C. Vegetables and preparations	6.3	19.1	22.1	25.3	19.5	14.4	26.3	40.7	48.1	36.8
D. Fruits and nuts	28.7	82.9	122.2	137.5	110.9	42.3	75.5	84.9	86.6	75.5
E. Vegetable oils and fats, edible	19.4	11.9	5.5	4.0	3.9	7.4	13.9	15.6	16.8	12.8
F. Cocoa, coffee, and tea	7.7	7.3	5.5	3.5	3.3	135.0	263.1	355.8	379.5	264.3
G. Spices	.1	.2	.3	.3	.3	7.3	13.7	19.0	18.3	14.2
H. Sugar and related products	10.7	51.5	18.1	17.5	11.8	106.4	303.5	223.2	229.7	150.5
I. Beverages	4.0	2.0	2.1	2.4	2.1	21.9	2.2	17.2	1.9	1.4
Group 2.—Vegetable products, inedible, except fibers and wood	100.6	276.3	288.4	303.1	262.7	210.7	440.4	575.1	553.7	364.9
A. Rubber and manufactures	12.4	30.0	67.4	77.0	68.9	97.7	197.8	301.9	247.4	144.3
B. Naval stores, gums, resins, and balsams	23.4	22.4	30.3	31.0	22.7	11.9	30.9	31.2	35.6	21.5
C. Drugs, herbs, leaves and roots, crude	1.9	3.2	3.3	3.7	2.6	4.2	6.5	9.5	10.6	7.7
D. Oilseeds	.5	.2	.1	.2	.1	15.1	51.2	66.0	79.3	54.8
E. Vegetable oils, inedible	1.3	4.2	6.2	7.0	5.8	22.5	51.0	73.0	91.5	66.2
F. Dyeing and tanning materials	.8	2.3	2.2	2.3	1.9	6.2	8.1	8.6	8.1	7.4
G. Seeds, except oilseeds	2.6	3.8	3.5	3.3	3.8	8.2	11.5	9.2	9.0	6.8
H. Nursery and greenhouse stock	.4	.4	.7	.9	.7	3.0	7.2	7.4	7.6	6.9
I. Tobacco and manufactures	50.3	187.2	163.3	165.6	158.2	37.4	73.2	64.5	60.6	46.6
J. Miscellaneous vegetable products	6.8	13.0	11.4	12.0	8.0	4.5	3.8	3.8	3.9	2.8
Group 3.—Textiles	616.1	997.2	954.9	979.2	639.9	387.4	892.9	893.8	1,001.9	600.7
A. Cotton, unmanufactured	551.9	805.0	765.7	770.8	496.8	20.7	46.3	42.7	53.3	25.3
B. Cotton semimanufactures	4.7	15.4	21.2	23.9	15.0	6.1	8.4	5.4	5.8	3.1
C. Cotton manufactures	40.5	117.7	102.8	111.2	73.7	61.3	78.2	58.2	63.5	43.1
D. Jute and manufactures	1.0	2.8	4.0	5.1	4.0	40.6	76.6	93.7	96.0	67.9
E. Flax, hemp, and ramie manufactures	-------	.4	.5	.7	.5	36.4	48.2	47.9	48.9	36.8
F. Other vegetable fibers and manufactures	9.6	9.5	5.9	6.7	4.6	30.3	37.6	43.6	47.4	29.6
I. Wool, unmanufactured	[2]	.2	.1	.1	.1	39.3	102.4	78.8	87.3	3.71
J. Wool semimanufactures	.5	.9	1.1	.9	.9	-------	20.5	12.5	13.6	6.4
K. Wool manufactures	2.9	6.7	4.4	5.4	4.0	21.5	44.0	56.8	64.9	33.7
L. Hair and manufactures	1.4	1.7	2.5	2.7	1.9	5.4	8.9	5.5	5.5	3.6
M. Silk, unmanufactured	-------	-------	-------	-------	-------	79.5	356.3	374.7	432.3	266.1
N. Silk manufactures	1.9	13.0	17.3	20.4	14.3	29.9	40.9	36.4	39.0	18.7
O. Rayon manufactures	-------	7.0	6.9	7.2	5.9	2.8	9.2	15.3	18.7	8.4
P. Miscellaneous textile products	1.7	17.1	22.4	24.1	18.1	13.6	15.9	22.3	25.6	20.8

[1] Yearly average.

[2] Less than $50,000.

No. 547.—Exports of United States Merchandise and General Imports by Groups and Subgroups—Continued

Group and subgroup	Exports of U. S. merchandise					General imports				
	1910–1914[1]	1921–1925[1]	1926–1930	1929	1930	1910–1914[1]	1921–1925[1]	1926–1930	1929	1930
Group 4.—Wood and paper	109.7	153.1	187.4	210.8	153.9	79.9	296.6	358.8	377.3	319.5
A. Wood, unmanufactured	5.1	8.1	12.8	15.3	9.5	9.6	15.0	16.0	17.7	12.9
B. Wood semimanufactures—sawmill products	66.0	85.1	100.6	110.6	78.4	22.1	68.4	56.7	54.2	35.9
C. Wood manufactures	25.7	30.8	36.9	40.9	29.8	4.2	9.1	10.2	10.8	8.4
D. Cork and manufactures	.3	.9	1.7	1.8	1.6	5.8	4.7	10.1	13.1	7.9
E. Paper base stocks	1.9	3.7	5.1	5.1	4.2	27.5	94.2	114.5	118.1	106.9
F. Paper and manufactures	10.7	24.4	30.1	37.1	30.3	10.7	105.2	151.2	163.4	147.5
Group 5.—Nonmetallic mineral products	203.3	582.4	707.0	739.7	641.8	89.3	230.1	280.2	306.1	245.8
A. Coal and related products	55.7	131.1	121.8	106.2	89.8	4.7	12.3	7.6	7.1	7.0
B. Petroleum and products	127.7	405.1	524.4	561.2	494.3	6.3	90.8	131.9	143.6	145.1
C. Stone, sand, cement, lime, and plaster	6.4	5.5	5.9	6.8	5.3	2.8	5.9	8.4	7.4	6.1
D. Glass and glass products	3.5	10.1	9.6	10.9	9.1	6.5	17.0	15.2	14.0	8.9
E. Clay and clay products	4.1	7.2	9.9	12.7	10.6	12.7	19.2	23.8	24.5	18.2
F. Precious stones and pearls, and imitations	-------	.1	.1	(2)	.1	42.6	66.5	68.8	79.7	40.6
G. All other	5.9	23.3	35.3	41.8	32.6	13.7	18.4	24.5	29.9	19.9
Group 6.—Metals and manufactures, except machinery and vehicles	283.3	415.5	461.9	535.9	354.1	153.3	243.3	334.1	396.0	266.4
A. Iron ore	2.8	3.0	3.8	4.8	2.7	6.7	7.0	6.7	8.1	8.1
B. Iron and steel semimanufactures	37.0	73.2	90.2	104.1	71.4	13.7	11.7	11.1	11.0	7.3
C. Steel mill products—manufactures	54.3	93.6	80.5	96.0	67.5	1.6	7.7	17.3	19.0	12.2
D Iron and steel, advanced manufactures	45.0	68.6	70.3	87.0	62.9	8.6	8.3	7.0	8.1	5.1
E. Ferro-alloys	.3	.5	.9	1.0	.9	3.1	13.3	18.5	23.5	17.7
F. Nonferrous metals, except precious	141.1	173.5	205.7	238.8	145.6	111.8	177.6	254.2	307.3	204.6
G. Precious metals, jewelry, and plated ware[3]	2.8	3.1	4.5	4.1	3.0	7.8	17.6	19.3	18.7	11.3
Group 7.—Machinery and vehicles	200.5	531.4	936.4	1,200.8	832.7	12.5	17.8	31.2	42.2	30.5
A. Electrical machinery and apparatus	20.9	68.8	103.8	130.1	118.3	-------	1.8	2.8	2.7	3.0
B. Industrial machinery	78.6	166.5	217.9	267.8	228.3	-------	11.4	18.6	24.8	16.6
C. Office appliances	15.0	23.5	45.0	53.8	42.2	-------				
D. Printing machinery	3.3	9.6	16.1	19.1	15.3	-------				
E. Agricultural machinery and implements	40.5	51.9	109.9	140.8	115.8	-------	2.6	6.7	9.5	8.5
F. Automobiles and other vehicles	42.2	211.0	443.8	589.3	312.8	2.6	2.0	3.2	5.2	2.4
Group 8.—Chemicals and related products	46.6	107.6	135.0	152.1	128.0	87.7	112.1	132.8	144.1	112.1
A. Coal-tar products	.1	9.9	16.3	18.1	17.9	14.3	16.1	21.4	22.8	16.3
B. Medicinal and pharmaceutical preparations	6.8	16.1	19.8	21.3	17.6	1.8	4.9	5.6	6.4	4.9
C. Industrial chemical specialities	1.8	4.8	12.1	14.5	14.8	25.5	23.2	27.0	30.6	23.3
D. Industrial chemicals	12.7	25.2	25.4	28.1	23.8					
E. Pigments, paints and varnishes	6.8	14.8	23.4	29.1	21.7	2.1	3.1	3.6	3.8	2.6
F. Fertilizers and fertilizer materials	10.7	17.5	17.9	20.4	15.3	40.7	56.9	67.5	72.3	59.2
G. Explosives, etc	1.7	3.9	4.1	4.5	3.0	.7	.9	1.0	1.0	.9
H. Soap and toilet preparations	5.9	15.5	16.0	16.1	14.0	2.5	7.1	6.7	7.0	4.8
Group 9.—Miscellaneous	69.0	119.0	141.9	163.7	135.4	95.4	153.1	138.2	220.5	173.3
A. Photographic goods	8.0	17.8	24.4	31.6	20.5	2.7	6.4	5.7	7.2	4.0
B. Scientific and professional instruments, apparatus and supplies	4.6	9.6	11.4	12.4	11.3	1.0	2.1	3.3	4.1	3.1
C. Musical instruments	6.1	10.9	15.9	18.9	9.0	1.7	3.8	4.5	4.5	3.7
D. Miscellaneous office supplies	2.0	7.1	9.3	10.3	8.9	-------	-------	-------	-------	-------
E. Toys, athletic and sporting goods	1.4	3.6	4.8	5.6	4.9	8.1	8.1	6.7	7.3	6.1
F. Firearms and ammunition	6.8	5.1	5.5	6.2	3.5	-------	.3	.6	.8	.6
G. Books, maps, pictures and other printed matter	9.2	19.9	24.3	27.1	24.0	9.2	9.4	14.2	15.7	13.3
H Clocks and watches	3.2	3.2	3.3	3.6	2.2	3.3	11.8	13.9	16.9	8.7
I. Artworks	1.0	.9	1.9	2.9	2.4	35.0	31.2	65.4	82.1	65.2
J. Misc. articles, n. e. s	16.7	41.1	41.1	45.0	39.6	34.3	80.0	71.6	81.1	68.3

[1] Yearly average. [2] Less than $50,000. [3] Except gold and silver in ore, bullion, and coin.

No. 548.—EXPORTS OF UNITED STATES MERCHANDISE BY COMMODITY GROUPS AND ARTICLES

NOTE.—Data are for calendar years. Figures for 1921–1925 are annual averages. A greater number of items are shown separately beginning about 1922 and for this reason many averages for two, three, and four years are shown in the table. Averages shown for group totals, however, always cover five years. In some cases the detail does not add to the total because of the different periods covered by the averages. For annual averages for 1910–1914, see Statistical Abstract 1930, Table 547.

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926	1927	1928	1929	1930	1921–1925	1926	1927	1928	1929	1930
Total exports of domestic merchandise							4,310,221	4,711,721	4,758,864	5,030,099	5,157,083	3,781,172
GROUP 00.—ANIMALS AND ANIMAL PRODUCTS, EDIBLE												
Total							342,348	284,854	226,248	228,425	244,248	186,854
A. Animals, edible							6,698	2,359	2,648	2,163	1,651	1,088
Cattle—												
Bulls for breeding—number	97,292	1,469	997	1,663	2,196	1,290	4,985	181	174	242	298	225
Cows for breeding—do		6,874	6,322	4,504	1,376	1,069		585	615	413	229	150
Other cattle—do		14,259	11,360	5,130	3,937	4,740		545	415	296	146	191
Hogs (swine)—do	83,472	28,566	42,270	54,174	27,017	12,654	1,188	603	693	822	465	208
Sheep—do	36,407	12,311	22,926	4,164	15,431	6,335	275	176	381	65	212	67
Poultry, live—1,000 lbs	[1] 629	565	647	566	449	389	[1] 312	269	370	325	301	245
B. Meat products—do	838,927	513,501	388,771	398,326	445,529	380,301	139,833	106,837	71,011	67,722	78,756	65,612
Beef and veal—												
Fresh—do	4,725	2,479	1,738	2,052	2,918	2,853	779	432	344	442	662	634
Pickled or cured—do	23,339	19,653	14,868	9,364	10,825	14,671	2,342	2,298	1,626	1,174	1,321	1,537
Pork—												
Carcasses, fresh or frozen—do	38,075	2,705	1,576	1,936	3,134	2,747	5,959	495	231	251	455	419
Loins and other fresh pork—do		12,860	6,659	9,476	10,405	14,826		2,701	1,274	1,523	1,714	2,619
Wiltshire sides—do	296,758	6,188	653	931	5,039	1,937	53,709	1,316	124	140	718	367
Hams and shoulders, cured—do		133,718	122,613	124,149	125,797	120,170		43,601	25,320	23,306	26,462	23,703
Bacon—do	345,934	147,505	105,649	117,387	138,423	90,687	52,083	28,050	16,684	16,682	20,851	13,887
Cumberland sides—do		14,180	8,805	5,512	5,858	4,159		3,119	1,633	896	1,124	752
Pickled pork—do	33,785	29,047	29,271	33,402	44,787	30,628	4,301	4,785	4,175	4,733	6,403	4,205
Mutton and lamb—do	2,835	1,171	937	1,024	835	1,251	512	267	218	233	211	221
Sausage, not canned—do	7,686	4,288	4,351	3,383	3,724	3,282	2,106	1,219	1,272	998	1,124	961
Canned meats—do	[1] 15,911	15,599	16,601	14,694	17,252	17,947	5,551	5,257	5,913	5,325	5,962	6,304
Beef—do	2,807	2,645	2,752	1,900	2,606	1,710	710	986	912	677	945	668
Pork—do	2,893	6,462	7,274	8,153	10,240	12,197	927	2,330	3,000	3,128	3,695	4,411
Sausage—do	2,950	3,755	3,844	2,038	2,139	1,396	846	1,126	1,149	682	706	421
Other canned meat—do	[1] 7,538	2,737	2,730	2,603	2,266	2,644	3,069	815	853	838	615	804
Poultry and game, fresh—do	[1] 5,152	3,406	4,629	3,090	2,473	2,904	1,445	1,117	1,365	920	842	832
Other meats (including edible offal)—do	[1] 46,320	38,581	37,266	38,562	41,422	39,956	4,435	4,075	4,005	4,320	4,611	4,288
Sausage casings—												
Hog casings—do	29,927	32,120	9,502	12,536	12,905	13,924	6,610	8,104	3,838	3,571	3,490	3,000
Beef casings—do			21,499	17,967	16,820	16,583			2,594	2,622	2,366	1,596
Other casings—do			2,154	2,554	2,911	1,687			395	587	441	286

C. Animal oils and fats, edible—do	1,053,575	856,117	814,436	865,493	936,481	734,135	138,462	128,386	108,388	112,513	117,714	82,979
Oleo oil—do	105,534	96,902	78,781	62,779	68,209	56,483	12,770	11,785	9,599	8,281	7,501	5,871
Oleo stock—do	[1] 12,970	12,159	11,913	6,779	8,099	7,779	[1] 1,484	1,431	1,378	862	860	766
Tallow—do	26,356	10,628	6,610	3,211	3,840	5,594	2,126	958	563	287	327	398
Lard, including neutral lard—												
Lard—do	860,840	698,961	681,303	759,722	829,328	642,486	115,602	108,600	92,035	98,701	105,530	73,434
Neutral lard—do	22,959	18,116	20,397	23,750	18,539	13,531	3,351	3,048	3,003	3,225	2,447	1,681
Lard compounds, containing animal fats—1,000 lbs	18,683	10,581	8,988	4,713	3,632	2,436	2,316	1,485	1,084	613	457	291
Oleo stearin—do	[1] 8,363	7,318	5,648	3,883	3,931	5,133	[1] 926	874	597	436	440	478
Oleomargarine of animal or vegetable fats—1,000 lbs	2,144	1,452	796	656	902	692	367	204	129	108	152	110
D. Dairy products							30,100	19,021	17,422	18,494	17,914	14,386
Milk and cream—												
Fresh and sterilized—1,000 gals	[1] 112	59	65	125	180	189	166	52	48	73	104	108
Condensed (sweetened)—1,000 lbs	62,962	38,711	34,081	38,763	41,242	29,648	9,559	6,020	5,517	6,191	6,459	4,769
Evaporated (unsweetened)—do	142,143	75,838	68,047	76,789	68,943	60,811	13,687	7,832	7,182	7,905	6,844	5,612
Dried—do	5,450	2,661	3,326	4,016	5,342	6,223	862	774	940	1,035	1,367	1,455
Butter—do	7,680	5,483	4,343	3,898	3,724	2,954	3,149	2,529	2,010	1,861	1,750	1,233
Cheese—do	7,720	3,903	3,410	2,600	2,645	1,964	1,936	1,115	1,028	799	735	504
Infants' foods, malted milk, etc—do	[1] 2,258	2,570	2,592	2,185	2,126	2,471	742	698	696	632	656	705
E. Fish							17,961	19,904	18,341	20,785	23,501	17,174
Fresh—												
Salmon—1,000 lbs	[1] 4,319	3,062	3,079	3,454	3,582	3,350	466	488	472	555	546	553
Other—do	11,987	3,766	5,000	4,469	5,232	4,853	770	382	440	404	558	435
Shellfish, not canned—do	[1] 4,365	3,656	7,483	8,261	9,365	7,849	844	839	1,053	1,194	1,406	978
Fish, salted, smoked, or dry-cured—												
Salmon—do	[1] 1,326	2,122	2,356	4,367	3,790	1,696	[1] 275	455	510	976	938	402
Cod—do	[1] 5,587	3,954	3,820	3,165	2,937	2,029	[1] 613	424	374	362	367	258
Herring—do	3,955	2,351	2,342	1,889	2,170	1,299	235	155	137	119	139	86
Haddock, hake, and pollock—do	[1] 3,769	2,704	2,189	1,951	1,247	1,050	[1] 279	197	158	151	101	81
Other—do	5,631	1,616	2,204	1,646	1,698	1,521	492	181	182	129	197	146
Fish, pickled—												
Salmon—barrels of 200 lbs	22,791	16,781	14,737	9,565	4,545	4,442	1,124	803	787	503	251	243
Other—do	12,442	8,093	7,612	4,664	4,260	7,763	167	136	93	72	57	85
Fish, canned—												
Salmon—1,000 lbs	58,815	53,511	38,248	40,953	40,967	27,288	8,071	8,578	6,029	7,662	7,406	5,342
Sardines—do	[1] 41,924	71,285	79,440	80,253	123,920	103,226	[1] 3,570	6,126	6,818	6,523	9,419	7,139
Mackerel—do						2,596						191
Shellfish—do	[1] 4,588	3,443	3,863	4,731	4,857	3,781	659	691	826	1,011	1,007	749
Other canned fish—do		1,993	2,015	9,362	9,397	1,404	596	308	311	939	899	213
Other fish products—do		1,494	1,918	3,399	2,386	5,386	149	139	151	186	210	274
F. Other edible animal products							9,293	8,347	8,438	6,747	4,712	5,618
Eggs, in the shell—1,000 doz	30,337	26,634	28,707	20,192	12,075	18,579	8,661	7,682	7,738	6,135	4,081	5,061
Eggs and yolks, frozen, dried, canned—1,000 lbs	[1] 460	522	661	508	326	196	91	75	111	87	62	44
Meat extracts and bouillon cubes—do	[1] 293	206	188	160	185	147	[1] 438	376	391	366	400	319
Gelatin—do	[1] 351	282	307	244	270	263	[1] 238	214	198	159	169	194

[1] Average for years 1922–1925.

No. 548.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926	1927	1928	1929	1930	1921–1925	1926	1927	1928	1929	1930
GROUP 0.—ANIMALS AND ANIMAL PRODUCTS, INEDIBLE												
Total							109,633	116,983	131,149	136,791	117,963	91,464
A. Hides and skins, raw, except furs—1,000 lbs.	54,765	75,639	63,992	46,419	37,745	34,435	7,562	10,833	11,476	11,063	6,797	4,943
Cattle hides—do.	38,604	51,773	37,565	24,189	22,545	19,069	4,587	6,767	5,945	5,080	3,516	2,165
Calfskins—do.	7,481	10,226	15,083	12,078	6,977	7,232	1,680	2,027	3,319	3,518	1,540	1,400
Sheep and goat skins—do.	[1] 1,982	1,675	1,977	1,939	1,864	2,171	[1] 521	512	594	616	578	503
Other hides and skins—do.	7,094	11,965	9,368	8,213	6,359	5,963	878	1,526	1,617	1,849	1,163	875
B. Leather							44,228	49,815	54,003	55,178	42,943	35,468
Upper leather (except patent)—												
Cattle, side upper—												
Grain—1,000 sq. ft.		18,265	14,071	11,428	11,180	8,51		4,620	3,837	3,718	3,105	2,099
Black—do.	15,258	5,113	2,305	1,775	1,687	1,638	3,638	1,244	610	584	460	373
Other—do.		13,152	11,766	9,653	9,493	6,874		3,376	3,226	3,134	2,645	1,726
Finished splits—do.		4,563	4,684	4,595	3,921	1,795		645	794	834	610	233
Wax and rough splits—1,000 lbs.	3,490	2,855	3,488	3,402	3,465	1,343	887	840	1,579	1,813	1,636	523
Calf and kip—1,000 sq. ft.	21,140	31,726	32,790	28,502	20,245	14,700	7,160	10,200	10,719	10,946	7,363	4,740
Black—do.		5,525	5,627	5,930	4,253	4,627		1,812	1,893	2,300	1,610	1,542
Other—do.		26,201	27,163	22,572	15,992	10,073		8,388	8,826	8,646	5,753	3,198
Sheep and lamb—do.	[1] 7,074	8,190	8,413	8,262	8,218	5,761	[1] 857	1,155	1,012	1,075	1,087	698
Goat and kid upper leather (glazed kid)—1,000 sq. ft.	39,319	48,546	52,645	48,444	41,828	43,455	10,968	13,486	15,086	14,888	12,640	12,834
Black—do.		22,331	22,595	20,522	17,581	18,186		5,826	6,032	5,984	5,289	5,352
Other—do.		26,215	30,050	27,922	24,247	25,269		7,660	9,053	8,904	7,352	7,482
Horse and colt—do.	[1] 767	879	488	651	330	262	[1] 224	248	140	207	93	63
Other upper leather—do.		3,003	2,243	2,374	1,799	1,437	1,330	794	646	764	523	408
Patent upper leather—												
Patent side upper leather—do.		25,147	30,830	29,183	22,710	28,345		7,883	10,520	10,644	6,856	7,096
Goat and kid—do.	33,393	3,235	2,512	2,661	1,935	1,995	11,418	1,442	1,161	1,259	876	854
Horse and colt—do.		1,405	1,087	883	697	517		537	406	377	269	176
Other—do.		827	1,353	919	834	1,100		276	469	347	246	268
Sole leather—1,000 lbs.	17,839	13,458	9,817	10,185	9,950	7,970	4,704	3,846	3,145	3,692	2,736	1,787
Bends, backs, sides—do.	[2] 7,551	5,558	4,792	3,695	2,669	1,719	[2] 2,595	2,115	1,934	1,875	1,170	657
Other (including offal)—do.	[2] 11,136	6,885	4,389	5,642	6,311	5,381	[2] 1,916	1,405	982	1,462	1,220	819
Cut stock—do.	[2] 1,052	1,015	636	849	970	870	[2] 394	327	228	356	346	311

Glove leather—												
Sheep and lamb	1,000 sq. ft.	[1] 1,335	1,182	1,262	1,135	938	594	285	196	190	186	163	92
Other glove leather	do.	[1] 4,982	5,239	5,138	5,920	5,024	4,127	[1] 723	816	867	1,101	968	928
Other leather—													
Harness, collar, and saddle	1,000 lbs.	[1] 159	172	138	84	85	41	[1] 78	86	68	51	42	18
Upholstery and automobile	1,000 sq. ft.	[1] 1,976	2,851	3,215	2,396	2,303	1,912	346	484	593	529	482	353
Fancy leather	do.	[1] 874	892	565	766	675	577	[1] 179	233	143	198	189	148
Case, bag, and strap	do.	[1] 537	292	448	551	650	500	[1] 158	82	127	175	203	147
Reptilian leather	1,000 lbs.						201						1,005
Other leather and tanned skins	do.		10,437	9,093	8,872	8,628	6,492	1,787	1,945	2,502	2,375	2,854	999
C. Leather manufactures								21,754	18,528	18,381	17,503	17,734	12,530
Leather footwear—													
Boots and shoes	1,000 pairs	6,921	5,707	5,513	4,319	4,281	3,127	16,992	12,853	12,490	10,858	11,049	7,746
Men's and boys'	do.	3,106	2,590	2,477	1,870	1,863	1,146	9,340	7,295	7,043	5,797	5,581	3,334
Women's	do.	2,188	2,014	1,897	1,783	1,722	1,599	5,063	4,379	4,277	4,310	4,704	3,992
Children's	do.	1,627	1,103	1,139	666	636	382	2,088	1,179	1,170	750	764	420
Slippers	do.	153	232	282	362	471	528	185	260	296	392	499	489
Athletic shoes, sandals, overgaiters, leggings, puttees, and other footwear	1,000 pairs	[1] 118	108	74	63	55	29	[1] 152	166	114	94	100	56
Leather gloves	doz. prs.	25,559	13,025	13,835	17,823	23,455	16,907	155	141	133	165	203	156
Harness and saddles								588	573	286	284	233	164
Traveling bags and suitcases	number	[1, 3] 98,886	127,582	50,733	41,477	30,456	16,222	[3] 329	314	185	170	166	89
Pocketbooks, handbags, cigarette, key, pass, and similar leather cases	1,000 pieces	[1] 548	478	503	568	517	282	[1] 261	318	485	583	575	288
Leather belting, new	1,000 lbs.	1,093	1,348	1,242	1,251	1,294	886	1,682	1,996	1,877	1,942	2,038	1,416
Other leather manufactures								1,492	1,906	2,516	3,018	2,871	2,126
D. Furs and manufactures								22,507	23,216	30,892	33,504	35,674	27,447
Undressed	1,000 pieces	[1] 13,708	10,931	15,084	18,002	18,492	21,665	18,755	19,192	25,519	33,137	29,113	22,136
Fox	do.	[1] 140	92	155	115	109	65	[1] 966	1,098	1,989	2,401	2,800	1,934
Muskrat	do.	[1] 3,667	1,629	1,730	3,772	5,088	8,365	[1] 2,638	2,025	3,892	5,474	5,446	4,950
Raccoon	do.	[1] 162	49	38	103	57	37	[1] 569	302	263	622	370	258
Skunk and civet cat	do.	[1] 3,240	2,927	2,793	2,922	1,986	2,509	[1] 7,322	6,238	5,765	6,696	4,705	4,446
Opossum	do.	[1] 2,946	3,328	5,242	6,023	5,413	5,962	[1] 2,832	4,499	6,564	7,636	6,782	4,709
Other undressed furs	do.	[1] 3,612	2,906	5,125	5,067	5,839	4,727	[1] 5,884	5,030	8,046	10,344	9,010	5,839
Dressed on the skin—													
Fox	do.	[1] 3,279	27	38	31	20	18	3,177	544	662	697	648	331
Muskrat	do.		40	32	33	85	104		55	48	61	97	55
Skunk and civet cat	do.		42	32	27	29	5		101	78	66	81	9
Opossum	do.		70	125	73	148	67		100	184	110	215	59
Other dressed furs	do.		1,240	1,667	2,160	1,871	2,168		2,017	2,828	3,528	2,879	2,770
Fur wearing apparel (except fur felt hats)	number		2,421	2,776	5,260	7,425	8,686	[1] 182	111	153	184	298	223
Fur waste, including pieces	1,000 lbs.	[2] 761	888	1,739	1,623	1,560	1,432	[2] 396	819	1,269	1,438	1,807	1,391
Other fur manufactures								[1] 240	277	150	283	537	472
E. Animal oils and greases, inedible	1,000 lbs.	[1] 82,886	79,610	92,905	75,796	70,193	72,505	8,079	7,844	8,452	7,036	6,447	4,995
Neat's-foot oil	do.	[1] 1,337	1,083	1,506	1,223	1,335	1,330	[1] 226	198	236	216	226	209
Other inedible animal oils	do.	2,717	660	946	741	852	1,377	300	80	102	82	96	108

[1] Average for years 1922–1925.

[2] Average for years 1923–1925.

[3] Trunks are included for 1921.

No. 548.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926	1927	1928	1929	1930	1921–1925	1926	1927	1928	1929	1930
GROUP 0.—ANIMALS AND ANIMAL PRODUCTS, INEDIBLE—Continued												
E. Animal oils and greases, inedible—Continued.												
Fish oils—1,000 lbs.	864	809	692	882	1,120	1,079	140	119	80	105	95	72
Grease stearin—1,000 lbs.		2,429	3,406	1,452	1,729	3,172		270	337	114	174	271
Oleic acid, or red oil—do.	13,159	852	2,174	6,254	3,862	1,515	1,314	86	191	547	358	131
Stearic acid—do.		1,012	2,353	2,261	1,357	471		139	240	257	188	58
Other animal greases, and fats—do.	[1] 69,886	72,765	81,829	62,984	59,934	63,561	6,143	6,954	7,266	5,713	5,310	4,146
F. Other inedible animals and animal products							5,443	6,748	7,944	8,507	8,341	6,081
Animals							3,327	3,188	4,027	4,330	4,137	3,157
Horses—												
For breeding—number	13,105	570	1,069	822	231	154	1,358	190	248	363	300	141
Other—do.		14,675	8,947	17,433	7,358	5,318		925	833	1,027	722	571
Mules, asses, burros—do.	15,215	18,833	19,722	18,963	15,295	12,126	1,559	1,702	2,352	2,227	1,813	1,447
Fur animals—do.						9,484						634
Other live animals							410	372	594	722	1,302	364
Bones, hoofs, and horns, unmanufactured—1,000 lbs.	[1] 5,131	1,996	1,806	2,870	1,704	1,567	210	79	72	112	64	55
Feathers, crude, not dressed—do.	[1] 4,300	5,000	6,285	6,816	10,083	8,580	355	422	578	725	1,066	701
Feathers, dressed, and manufactures of							[1] 248	162	162	199	216	147
Glue of animal origin—1,000 lbs.	2,390	2,463	2,352	2,547	2,888	1,995	384	381	384	426	508	409
Oyster shells—tons of 2,240 lbs.					42,749	49,553					444	496
Sponges—1,000 lbs.	121	106	100	115	124	105	139	165	168	147	152	164
Wax manufactures—do.	[1] 1,562	2,891	1,783	1,242	567	384	368	482	393	250	126	84
Other animal products, inedible							463	1,869	2,161	2,309	1,630	868
GROUP 1.—VEGETABLE FOOD PRODUCTS AND BEVERAGES												
Total							675,699	553,214	658,159	532,063	509,647	354,329
A. Grains and preparations							474,262	355,687	443,767	315,695	286,357	191,343
Barley—												
Grain—1,000 bus. of 48 lbs.	21,274	13,586	37,973	51,677	29,523	9,874	18,598	10,371	35,432	44,837	24,155	7,122
Malt—1,000 bus. of 34 lbs.	5,072	3,316	2,869	3,260	3,381	2,085	5,773	3,440	3,048	3,608	3,334	1,940
Buckwheat—1,000 bus. of 48 lbs.	215	101	467	161	191	8	254	122	464	169	213	9
Corn—												
Grain—1,000 bus. of 56 lbs.	73,180	23,064	13,428	25,799	33,745	6,369	55,349	19,840	11,432	26,369	34,059	5,985
Meal and flour—1,000 bbls. of 196 lbs.	568	516	387	273	267	208	2,535	2,500	1,872	1,348	1,330	1,007
Hominy and corn grits—1,000 lbs.	[1] 87,440	30,141	23,143	11,542	14,384	6,181	[1] 1,570	554	472	291	305	144
Corn breakfast foods ready to eat—do.	[1] 5,860	10,367	8,038	6,729	5,157	5,105	[1] 403	739	598	521	525	414
Oats—												
Grain—1,000 bus. of 32 lbs.	13,972	11,574	10,053	10,421	6,609	1,501	7,313	5,758	5,269	5,217	3,389	696
Oat meal, flaked and rolled oats—1,000 lbs.	121,738	140,900	66,562	84,074	81,246	38,710	4,630	6,006	4,020	4,293	4,220	2,846

Rice—												
Grain ..... do	316,330	77,081	239,596	288,702	315,441	213,066	11,876	3,536	9,742	10,878	12,129	8,526
Flour, meal, and broken rice ..... do		40,410	70,403	90,257	70,594	45,488		1,348	2,058	2,357	1,981	1,211
Rye—												
Grain ..... 1,000 bus. of 56 lbs	34,453	11,941	35,941	14,499	3,434	266	38,938	12,282	39,677	17,378	3,613	235
Flour ..... barrels of 196 lbs	112,447	15,667	38,460	31,650	14,764	8,261	536	97	236	189	85	44
Wheat—												
Grain ..... 1,000 bus. of 60 lbs	159,222	138,275	168,307	96,290	90,130	87,774	228,342	201,739	239,504	119,888	111,501	88,093
Flour ..... 1,000 bbls. of 196 lbs	15,049	11,850	12,823	11,852	13,663	13,060	93,522	83,133	85,332	73,855	80,791	69,401
Bread, biscuits, cakes, and crackers ..... 1,000 lbs	11,327	13,935	11,489	10,675	10,618	9,474	1,658	2,211	2,051	1,966	2,031	1,613
Plain, not sweetened or flavored ..... do	----------	8,275	6,617	6,754	6,743	6,925	----------	1,123	987	1,093	1,115	995
Sweetened or flavored ..... do	----------	5,660	4,872	3,921	3,875	2,549	----------	1,089	1,064	873	916	618
Macaroni, spaghetti, and noodles ..... do	[1] 7,674	8,273	8,468	9,979	10,740	8,719	[1] 622	711	714	900	925	704
Wheat breakfast foods, ready to eat ..... do	[1] 6,118	3,612	4,303	2,002	1,962	1,089	[1] 478	371	339	199	182	139
Wheat breakfast foods, to be cooked ..... do				1,323	1,242	1,170				130	141	124
Cereal foods, n. e. s ..... do	[1, 4] 9,577	2,247	2,891	2,835	4,639	2,508	[4] 1,530	307	347	335	496	289
Other grains and preparations of	----------	----------	----------	----------	----------	----------	950	621	1,160	967	952	801
B. Fodders and feeds	----------	----------	----------	----------	----------	----------	26,736	28,214	32,917	30,394	32,748	11,127
Hay ..... tons	36,576	13,828	13,538	14,471	11,073	5,216	747	309	285	303	267	118
Oil cake and oil-cake meal ..... 1,000 lbs	1,165,577	1,449,758	1,569,969	1,186,034	1,278,525	511,391	24,695	26,458	30,186	27,198	28,414	9,706
Cottonseed cake ..... do	403,867	541,231	623,371	409,622	324,641	66,147	8,387	8,854	11,498	9,107	6,967	1,141
Linseed cake ..... do	553,808	577,236	646,356	547,476	711,684	360,593	12,149	12,109	13,430	13,086	16,604	7,046
Other oil cake ..... do	22,370	14,748	23,017	39,229	58,981	21,419	347	218	346	754	973	285
Cottonseed meal ..... do	156,065	300,887	257,728	171,396	149,352	37,186	3,196	4,951	4,465	3,806	3,128	700
Linseed meal ..... do	20,607	13,490	16,941	14,132	22,808	21,676	451	285	352	330	514	445
Other oil-cake meal ..... do	[1] 11,075	2,165	2,555	5,080	11,059	4,370	[1] 206	39	45	115	229	89
Kafir and milo ..... 1,000 bus. of 56 lbs	----------	----------	----------	1,369	2,695	33	----------	----------	----------	1,194	2,338	30
Mixed dairy feeds ..... tons of 2,240 lbs	----------	----------	----------	----------	2,071	1,770	----------	----------	----------	----------	82	77
Mixed poultry feeds ..... do	----------	----------	----------	----------	4,836	5,564	----------	----------	----------	----------	255	275
Prepared and mixed feeds ..... do	14,644	25,738	46,318	26,987	14,231	6,775	578	1,015	1,657	1,000	595	384
Other feeds, including screenings ..... do	23,416	12,335	35,055	43,454	26,276	16,422	717	433	789	1,200	795	536
C. Vegetables and preparations	----------	----------	----------	----------	----------	----------	19,086	20,851	21,914	22,664	25,329	19,525
Beans, dried ..... 1,000 bus. of 60 lbs	815	586	520	344	291	247	3,005	2,089	1,697	1,177	1,162	844
Peas, dried ..... do	95	126	162	223	114	86	418	536	650	899	484	365
Vegetables, fresh—												
Potatoes, white ..... do	3,056	2,033	2,379	2,698	2,735	1,899	3,823	3,497	3,596	2,254	3,223	2,212
Onions ..... 1,000 bus. of 57 lbs	675	616	476	561	580	528	1,082	833	716	822	787	563
Other fresh vegetables ..... 1,000 lbs	[1] 90,212	116,583	141,356	156,109	199,045	189,727	3,212	4,073	4,550	5,087	6,340	5,872
Vegetables, canned ..... do	[1] 49,378	71,347	80,846	91,083	93,813	67,707	4,902	6,749	7,487	8,691	9,454	6,721
Asparagus ..... do	[1] 8,923	12,290	15,364	17,718	22,346	14,977	[1] 1,582	1,870	2,260	2,705	3,547	2,285
Baked beans, and pork and beans ..... do	[1] 7,172	16,377	14,427	14,017	7,665	9,696	[1] 616	1,256	1,224	1,197	667	549
Corn ..... do	[1] 4,508	4,313	5,017	7,990	8,366	6,112	336	354	362	582	629	494
Peas ..... do	[1] 4,120	4,349	6,109	6,487	8,385	6,891	[1] 386	389	524	574	740	603
Soups ..... do	[1] 13,878	22,342	23,695	28,279	28,751	19,553	1,460	2,075	2,164	2,603	2,723	2,014
Tomatoes ..... do	[1] 7,683	7,266	6,331	5,627	4,674	3,617	477	473	382	359	340	263
Other canned vegetables ..... do	[1] 3,005	4,411	9,950	10,965	13,126	6,861	563	334	572	670	808	513

[1] Average for years 1922–1925.

[4] "Cereal preparations other than oat meal and rolled oats" prior to 1922.

No. 548.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926	1927	1928	1929	1930	1921–1925	1926	1927	1928	1929	1930
GROUP 1.—VEGETABLE FOOD PRODUCTS, ETC.—Con.												
C. Vegetables and preparations—Continued.												
Pickles 1,000 lbs.	[1] 10,816	1,938	3,453	4,437	4,136	2,790	1,691	208	264	393	386	296
Ketchup and other tomato sauces do.		5,822	7,795	12,791	11,014	7,070		942	1,183	1,639	1,490	789
Other sauces and relishes do.		2,586	2,969	3,060	3,732	3,414		595	608	684	770	691
Vinegar 1,000 gals.	199	239	318	226	319	291	85	133	137	140	168	177
Yeast 1,000 lbs.	[1] 2,846	3,647	3,478	3,516	3,584	3,714	728	980	767	245	653	677
Other vegetable preparations							[1] 175	216	258	634	412	317
D. Fruits and nuts							82,868	111,797	121,665	129,324	137,467	110,916
Fruits and preparations							81,465	110,311	120,143	127,795	135,987	109,672
Subtropical fruits—												
Grapefruit 1,000 boxes	[1] 316	411	765	679	976	889	[1] 998	1,773	3,315	2,904	3,620	3,690
Lemons do.	210	296	308	251	266	206	997	1,286	1,484	1,430	1,410	1,098
Oranges do.	2,088	2,692	3,562	2,678	5,512	2,236	8,465	11,416	15,132	13,912	18,746	11,468
Pineapples boxes	[1] 36,564	59,256	70,478	44,093	50,791	29,691	[1] 145	197	221	146	149	96
Other fresh fruits—												
Apples in boxes 1,000 boxes	[1] 4,909	6,924	6,407	8,149	9,453	9,577	[1] 11,400	15,431	15,015	17,431	20,671	18,542
Apples in barrels 1,000 bbls.	1,493	3,082	3,042	1,829	2,468	2,091	7,988	15,043	15,173	9,232	12,467	10,123
Berries 1,000 lbs.	[1] 9,668	8,789	11,106	14,240	14,729	7,266	952	907	1,142	1,434	1,425	908
Grapes do.	[1] 19,630	30,650	38,715	53,610	47,307	48,999	[1] 1,242	1,536	1,979	2,505	2,464	2,122
Pears do.	[1] 49,627	68,741	54,695	72,635	70,183	121,211	2,421	3,603	3,828	4,143	4,832	6,170
Peaches do.	[1] 15,082	14,454	17,729	22,181	19,957	12,734	[1] 639	523	777	730	806	492
Other fresh fruits do.	[1] 35,253	39,402	47,297	59,415	58,955	59,430	1,913	1,400	1,883	2,295	2,070	1,809
Dried and evaporated fruits do.	[1] 287,970	363,557	481,690	585,134	431,999	437,287	25,571	30,676	38,797	39,607	34,281	28,035
Dried fruits for salads do.						10,044						722
Pears do.					4,576	6,613					573	600
Raisins do.	84,543	141,038	177,435	226,490	149,687	123,105	8,188	11,178	12,302	12,670	8,390	6,310
Apples do.	21,304	23,327	27,664	35,086	37,889	29,939	2,478	2,974	2,998	4,145	4,633	3,007
Apricots do.	20,444	15,955	20,913	23,843	21,265	22,322	3,245	3,334	3,510	3,547	3,515	2,820
Peaches do.	6,855	5,335	6,517	9,810	7,786	6,638	693	775	671	963	842	581
Prunes do.	127,730	158,076	229,590	267,707	197,228	235,037	9,637	10,635	12,614	16,221	14,838	13,566
Other do.	[1] 11,702	14,826	19,571	22,198	13,569	3,569	1,330	1,780	1,701	2,061	1,489	369
Canned fruits do.	[1] 210,101	223,749	247,379	305,763	307,367	252,794	20,253	22,684	22,632	26,759	31,365	24,330
Berries do.			6,901	13,089	12,684	6,566			806	1,334	1,308	766
Apples and apple sauce do.	[5] 13,470	14,319	13,878	21,447	22,963	15,648	[5] 799	968	767	1,188	1,185	823
Apricots do.	[2] 32,126	32,360	25,917	28,765	30,246	23,142	[2] 2,776	3,263	2,476	2,644	2,943	2,077
Cherries do.	[1] 1,720	1,917	1,802	2,202	2,069	1,409	[1] 277	306	292	346	353	225
Prunes do.	[3] 2,684	3,461	3,072	2,231	2,616	1,842	[3] 306	381	324	218	264	196
Peaches do.	[1] 62,108	66,599	78,177	96,237	90,041	71,451	5,525	6,595	6,519	7,667	8,316	6,103
Pears do.	[1] 53,906	51,227	61,890	78,266	56,075	56,903	5,918	5,529	6,205	7,507	6,242	5,493

Pineapples, do	[1]26,321	31,121	45,993	54,394	46,153	37,790	2,767	2,981	4,208	4,885	4,557	3,613
Fruits for salad, do					33,875	28,340					5,140	4,099
Other canned fruits, do	[1]33,784	22,746	10,248	9,131	10,644	9,703	3,712	2,661	1,035	971	1,052	935
Preserved fruits, jellies, and jams, do	[1]2,011	1,884	2,471	2,062	2,413	1,491	449	396	423	383	455	292
Other fruit preparations, do	8,258	27,000	24,851	34,455	23,915	5,085	917	3,439	3,341	4,885	1,225	407
Nuts, do	[1]11,153	9,660	11,022	11,015	10,900	9,875	1,403	1,486	1,521	1,529	1,481	1,246
Peanuts, do	7,707	4,232	4,827	5,419	4,880	2,960	578	347	393	523	408	246
Other nuts, do	[1]5,142	5,428	6,195	5,596	6,020	6,915	826	1,139	1,128	1,006	1,073	1,000
E. Vegetable oils and fats, edible, do	112,723	50,478	77,141	63,846	37,054	39,314	11,901	5,585	7,292	6,834	4,039	3,898
Cottonseed oil, do	96,644	40,901	67,982	51,702	26,075	28,297	9,603	4,090	5,938	4,657	2,388	2,396
Crude, do	[1]27,999	27,357	51,407	41,126	19,292	16,394	[1]2,474	2,486	4,184	3,456	1,551	1,228
Refined, do	[1]29,668	13,544	16,575	10,576	6,783	11,903	[1]3,439	1,604	1,754	1,201	837	1,168
Corn oil, do	4,404	1,324	310	337	315	613	548	190	35	50	42	87
Cocoa butter, do	1,619	667	342	2,433	428	361	447	209	130	778	126	83
Vegetable-oil lard compounds, do	[1]12,577	7,586	5,431	5,681	6,343	6,354	[1]1,628	1,097	715	760	867	845
Other edible vegetable oils and fats, do			3,075	3,693	3,893	3,089			474	590	617	487
F. Cocoa and coffee, do	[1]35,232	34,034	24,025	12,688	11,751	12,956	7,294	9,806	6,380	4,113	3,507	3,328
Cocoa, powdered, do	[1]7,719	2,351	3,464	2,133	2,909	2,257	767	304	378	351	447	343
Chocolate, including sweetened, do		1,181	930	926	892	752		252	224	226	204	163
Coffee, green, do	26,775	28,062	16,806	6,440	3,728	6,010	5,716	8,050	5,018	2,066	980	1,293
Coffee, roasted, do	1,551	1,371	1,653	2,080	2,997	2,717	447	532	603	760	1,116	779
Coffee extracts and substitutes, do	[1]749	1,069	1,172	1,109	1,225	1,220	[1]454	667	658	710	761	750
G. Spices, do	[1]1,542	1,081	1,506	1,679	1,914	3,068	204	204	240	273	298	292
H. Sugar and related products							51,526	19,295	21,600	20,077	17,524	11,764
Sugar, refined, 1,000 lbs	882,928	213,785	250,646	245,173	205,278	155,627	39,926	7,570	10,311	8,548	6,104	3,807
Molasses, 1,000 gals	4,253	4,159	6,093	10,693	8,577	10,227	622	396	488	959	769	1,000
Confectionery—												
Chocolate, 1,000 lbs	11,349	2,040	2,015	2,091	2,096	1,721	2,103	566	606	620	622	495
Other, do		11,402	12,490	12,399	11,848	8,809		1,959	2,131	2,146	2,054	1,405
Chewing gum, do	[1]3,143	5,026	3,769	3,028	3,616	3,692	1,292	2,194	1,587	1,353	1,547	1,438
Honey, do	3,357	7,754	12,055	10,752	8,676	3,686	362	700	1,053	971	775	324
Glucose (corn sirup), do	175,229	146,718	135,634	122,702	118,523	71,804	5,464	4,594	4,403	4,280	4,412	2,636
Grape sugar (corn sugar), do	7,874	9,752	6,451	8,374	7,239	3,010	274	321	224	295	269	118
Sirup, including maple, 1,000 gals	5,166	3,668	2,665	3,024	3,176	1,612	1,485	996	796	905	973	541
I. Beverages							2,022	1,776	1,884	2,189	2,381	2,194
Malt extract and sirup, 1,000 gals	240	422	476	519	467	443	166	351	400	429	399	369
Distilled liquors, 1,000 pf. gals	238	294	34	216	383	27	641	123	27	102	169	13
Flavoring extracts[6], 1,000 lbs	[1]1,354	597	648	624	471	361	623	457	493	560	449	356
Mineral waters, natural and artificial, 1,000 gals	[1]216	256	198	195	196	162	[1]180	192	173	184	189	156
Fruit juices, sirups, and flavors for soda fountain, 1,000 gals					323	400					607	633
Other beverages and fruit juices[6], do	[1]279	424	503	602	427	478	448	652	791	914	568	607

[1] Average for years 1922–1925. [2] Average for 1923–1925. [3] Average for years 1924–25.
[6] "Fruit juices" are included with "Flavoring extracts" prior to 1924 and with "other beverages" thereafter.

No. 548.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926	1927	1928	1929	1930	1921–1925	1926	1927	1928	1929	1930
GROUP 2.—VEGETABLE PRODUCTS, INEDIBLE, EXCEPT FIBERS AND WOOD												
Total							276,269	282,539	290,880	302,743	303,061	262,715
A. Rubber and manufactures							39,003	60,733	70,691	69,545	76,954	58,906
Rubber, reclaimed—1,000 lbs	4,747	12,076	19,130	22,453	27,666	21,210	486	1,425	1,751	1,641	1,938	1,234
Rubber, scrap and old—do	16,486	29,843	31,332	45,327	56,349	52,898	768	1,947	1,946	2,302	2,516	1,734
Rubberized automobile cloth—1,000 sq. yds					1,971	1,259					1,011	612
Other rubberized piece goods and hospital sheeting—1,000 sq. yds		1,331	2,331	1,774	1,659	1,342		682	1,098	862	741	592
Rubber footwear—												
Boots—1,000 pairs	487	1,013	874	1,263	1,511	968	1,166	2,372	2,074	2,817	3,148	2,063
Shoes—do	1,481	1,486	1,911	2,525	3,398	2,097	1,369	1,452	1,709	2,758	3,736	2,433
Canvas shoes with rubber soles—do	[1] 3,832	5,469	4,789	5,313	7,463	4,041	[1] 2,883	3,969	3,289	3,675	5,005	2,642
Rubber soles—1,000 doz. prs				1,470	150	135	754	1,363	1,526	1,911	425	389
Rubber heels—do					1,475	1,188					1,048	820
Rubber water bottles and fountain syringes—1,000 pieces		287	339	360	463	467	978	207	222	226	303	238
Rubber gloves—doz. pairs		69,617	76,264	94,364	122,138	120,668		244	243	273	318	307
Other druggists' rubber sundries								487	447	430	407	339
Rubber balloons—1,000 gross			562	625	815	751	[5] 1,135	846	759	751	880	768
Rubber toys and balls									176	203	195	137
Bathing caps—1,000 dozens	[5] 164	151	158	162	182	159	[5] 296	334	340	375	389	340
Rubber bands—1,000 lbs		685	891	913	483	567		550	639	602	256	262
Rubber erasers—do					577	507					368	308
Hard rubber goods—												
Electrical hard rubber goods—1,000 lbs	[1] 752	839	1,247	1,626	1,978	1,251	[1] 256	279	314	328	261	172
Other hard rubber goods							[1] 500	403	383	353	440	360
Tires—												
Casings, automobile—thousands	[1] 1,392	1,497	2,631	2,504	2,796	2,505	16,288	24,359	33,789	31,065	33,480	27,767
Truck and bus—do					287	453					7,555	10,062
Other automobile—do					2,509	2,052					25,924	17,705
Tubes, automobile—do	[1] 1,133	1,127	1,631	1,656	1,899	1,590	1,949	3,024	3,499	3,581	3,410	2,694
Other casings and tubes—do	[1] 104	71	61	62	200	101	292	219	174	126	591	249
Solid tires—												
For automobiles and motor trucks—number	[1] 91,972	98,122	97,001	56,255	44,759	24,601	2,213	3,458	2,887	1,803	1,301	796
Other—1,000 lbs	1,143	1,551	1,765	1,852	1,639	1,513	[1] 290	502	436	400	297	256
Tire sundries and repair materials							[1] 574	1,612	1,833	1,635	1,687	1,280
Rubber and friction tape—1,000 lbs		1,087	1,489	1,590	1,795	1,500		352	429	483	511	415

Rubber belting	do	[1] 3,447	4,173	5,011	4,887	5,670	4,298	1,852	2,657	2,682	2,785	3,056	2,195
Rubber hose	do	[1] 4,402	6,125	7,118	7,272	9,384	7,292	1,769	2,523	2,671	2,620	3,130	2,448
Rubber packing	do	[1] 1,628	2,149	2,415	2,629	2,593	1,971	742	1,097	1,109	1,213	1,183	877
Rubber thread	do	[1] 1,179	1,460	1,526	1,601	1,699	1,627	[1] 1,326	1,958	1,906	1,764	1,721	1,613
Other rubber manufactures								3,141	2,412	2,360	2,613	3,203	2,566
B. Naval stores, gums, and resins								22,379	36,865	34,335	28,433	30,998	22,698
Naval stores—													
Rosin	1,000 bbls.[7]	1,038	1,094	1,382	1,174	1,438	1,264	11,278	24,633	23,082	17,616	20,442	14,266
Gum rosin	do		956	1,238	1,022	1,241	1,070		21,904	20,927	15,563	17,706	11,880
Wood rosin	do		138	144	152	197	194		2,730	2,155	2,053	2,737	2,386
Gum spirits of turpentine	1,000 gals.	10,636	11,587	15,810	12,510	16,304	15,142	9,988	10,636	9,505	6,678	8,530	6,612
Wood turpentine	do	[1] 508	685	681	1,042	881	832	[1] 408	530	395	524	435	410
Tar and pitch of wood	barrels [7]	[8] 23,518	13,762	27,676	21,046	25,503	11,895	[8] 244	220	256	216	270	127
Other gums and resins	1,000 lbs.	[1] 2,171	3,095	3,756	4,821	4,687	4,905	[1] 679	845	1,097	1,399	1,319	1,282
C. Drugs, herbs, leaves, and roots, crude								3,174	3,578	3,587	3,273	3,690	2,576
Ginseng	1,000 lbs.	168	180	169	184	234	203	2,031	2,640	2,556	2,268	2,706	1,877
Other crude vegetable drugs	do	[1] 5,837	4,922	4,864	5,462	4,449	4,704	1,143	937	1,030	1,005	924	699
D. Oilseeds	do	3,244	2,452	1,709	2,211	5,926	2,075	178	168	99	96	248	91
E. Vegetable oils								4,184	5,430	6,572	6,160	7,005	5,778
Expressed oil and fats, inedible—													
Coconut oil	1,000 lbs.	14,579	15,952	20,418	24,653	29,532	25,107	1,316	1,545	1,783	2,088	2,329	1,701
Linseed oil	do	2,820	2,567	2,525	1,965	2,208	1,592	364	251	304	228	288	214
Soy-bean oil	do	1,708	1,567	5,444	7,142	7,967	4,962	164	191	607	756	768	488
Vegetable soap stock	do	[1] 6,307	12,399	10,264	7,529	7,633	16,952	[1] 374	681	549	492	544	971
Other expressed oils and fats	do		8,816	8,482	8,190	8,127	3,861	832	1,067	1,204	709	641	321
Essential or distilled oils—													
Peppermint	do	120	68	213	177	222	233	511	571	833	604	795	700
Orange	do					43	28					160	59
Pine	1,000 gals.					480	346					234	195
Other	1,000 lbs.	[1] 1,028	3,067	3,617	4,069	2,180	996	698	1,125	1,291	1,283	1,246	1,039
F. Dyeing and tanning materials								2,272	1,839	2,213	2,745	2,329	1,898
Dye extracts—													
Logwood extracts (include hematine crystals)	1,000 lbs.	[1] 2,072	1,862	2,724	2,099	2,025	1,846	349	204	253	209	208	193
Other dye extracts	do	[1] 2,000	666	1,049	940	529	289	472	138	98	99	66	36
Dyeing and tanning materials, crude	tons	2,692	1,341	1,529	3,453	928	724	96	60	82	119	52	39
Tanning extracts—													
Chestnut	1,000 lbs.	[1] 8,297	6,176	5,875	10,652	5,065	1,975	[1] 268	175	176	351	134	77
Other (vegetable and chemical)	do	[1] 22,535	24,847	30,823	38,200	35,201	28,919	1,141	1,262	1,604	1,967	1,869	1,553

[1] Average for years 1922–1925.
[8] Average for years 1924–25.
[7] Of 500 pounds.
[8] Tar, turpentine, and pitch prior to 1922.

No. 548.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926	1927	1928	1929	1930	1921–1925	1926	1927	1928	1929	1930
GROUP 2. VEGETABLE PRODUCTS, INEDIBLE—Contd.												
G. Seeds, except oilseeds.....1,000 lbs	[1] 33,008	29,625	32,536	24,794	26,891	29,868	3,822	3,990	3,646	2,700	3,302	3,804
Field and garden seeds—												
Alfalfa.....do	[1] 780	742	1,393	782	826	833	[1] 138	157	280	147	168	193
Red clover.....do	2,035	584	1,280	456	524	535	611	153	314	66	91	96
Other clover.....do		1,169	793	390	427	709		254	191	66	75	79
Timothy.....do	17,183	13,685	16,670	12,220	9,195	15,829	1,262	1,021	885	659	590	1,244
Other grass seeds.....do	4,610	5,889	5,660	5,258	8,194	6,419	747	1,116	854	694	1,078	1,128
Other field seeds.....do		4,207	2,502	2,374	3,214	2,269	1,092	605	171	162	190	140
Vegetable and flower seeds.....do		3,260	4,238	3,314	4,511	3,274		684	949	905	1,109	924
H. Nursery and greenhouse stock							439	491	434	817	913	727
Flowers, cut							110	158	151	170	215	153
Fruit stock, cuttings, or seedlings..thousands		2,125	1,575	3,043	3,948	2,872	329	109	94	280	189	165
All other nursery or greenhouse stock, plants, and bulbs								224	188	358	509	419
I. Tobacco and manufactures							187,219	157,418	158,194	179,159	165,579	158,206
Tobacco, unmanufactured.....1,000 lbs	502,969	487,658	511,868	583,846	565,902	579,704	164,595	136,919	139,667	154,465	146,083	145,609
Leaf tobacco.....do	487,157	478,772	506,252	575,412	555,347	560,958	163,883	136,676	139,411	154,133	145,763	144,593
Bright flue-cured.....do	[2] 241,259	287,334	302,425	434,893	410,837	397,695	[2] 98,352	102,607	109,212	128,948	116,933	113,386
Burley.....do	[2] 6,472	6,720	17,844	6,544	5,336	9,624	[2] 1,747	1,385	2,393	1,198	1,203	2,073
Dark-fired Kentucky and Tenn.....do	[2] 146,027	119,847	112,008	84,014	79,777	105,440	[2] 25,908	18,501	14,759	13,242	15,528	17,931
Dark Virginia.....do	[2] 33,258	18,390	24,277	18,695	24,122	15,379	[2] 13,831	6,149	6,177	3,847	4,434	4,067
Maryland and Ohio export.....do	[2] 14,935	13,592	20,036	10,947	11,577	9,721	[2] 2,839	2,108	2,923	2,069	2,465	2,227
Green River.....do	[2] 16,038	14,076	12,829	8,368	10,362	7,919	[2] 3,550	2,576	1,932	1,368	2,233	1,911
One-sucker leaf.....do			6,370	3,227	3,213	2,789			809	539	716	491
Black fat, water baler, dark African..do			619	1,500	5,055	8,074			118	287	1,229	1,709
Cigar leaf.....do	[2] 912	619	531	662	4,409	4,153	[2] 470	442	459	574	999	724
Other leaf tobacco.....do	[2] 37,608	18,185	9,313	6,556	60	164	[2] 9,532	2,848	1,630	2,061	25	74
Stems, trimmings, and scrap tobacco..do	15,811	8,285	5,617	8,434	10,555	18,746	712	242	257	332	319	1,016
Tobacco manufactures							22,624	20,499	18,527	24,694	19,495	12,597
Cigarettes.....millions	10,182	9,539	7,093	11,706	8,456	4,027	19,631	17,898	13,837	22,059	16,706	10,187
Chewing tobacco, plug and other..1,000 lbs	3,538	3,651	3,728	3,832	3,886	3,024	1,775	1,783	1,856	1,861	1,944	1,426
Smoking tobacco (including cigar cuttings).....1,000 lbs	2,386	1,036	1,134	1,015	1,120	1,335	931	635	728	644	734	893
Other tobacco manufactures.....do		529	217	238	198	139	288	184	106	129	111	91

J. Miscellaneous vegetable products							13,593	12,027	13,110	11,815	12,046	8,030
Starch—												
Cornstarch and corn flour	1,000 lbs.	250,075	203,789	242,870	236,746	235,042	153,702	7,069	6,241	7,474	7,393	8,858	5,361
Other starch	do.	15,592	21,551	9,651	4,336	3,779	1,844	460	623	334	196	182	110
Broom corn	tons	4,122	4,082	4,048	4,513	4,371	4,403	668	537	479	624	597	531
Brooms	dozens	[1] 19,367	18,235	18,540	15,942	18,705	17,167	112	99	101	85	89	81
Hops	1,000 lbs.	18,286	12,833	14,119	7,985	7,677	7,640	4,830	3,355	3,525	1,804	1,384	1,144
Other inedible vegetable products								454	1,173	1,198	1,203	936	803
GROUP 3.—TEXTILES													
Total								997,187	1,009,587	1,021,357	1,124,489	979,225	639,907
A. Cotton, unmanufactured	1,000 bales	6,639	9,049	9,478	8,733	7,581	6,597	804,985	814,429	826,306	920,009	770,830	496,798
	1,000 lbs.	3,420,480	4,691,579	4,897,063	4,579,426	3,981,509	3,492,234						
Raw cotton, except linters	1,000 bales	6,528	8,916	9,199	8,546	7,418	6,480	801,370	810,365	818,318	912,849	764,760	493,632
	1,000 lbs.	3,363,726	4,620,744	4,739,823	4,471,842	3,884,766	3,421,987						
Long staple (1⅛ inches or over)—													
Sea-island [9]	1,000 bales		2	2	1	5	3	101	528	340	145	849	493
	1,000 lbs.	226	1,111	776	356	2,403	1,682						
Other [10]	1,000 bales	2,222	1,236	1,194	1,104	574	229	235,610	127,055	112,402	123,151	62,413	20,555
	1,000 lbs.	1,150,372	674,856	621,861	579,211	300,403	115,911						
Short staple (under 1⅛ inches)	1,000 bales	[1] 5,382	7,628	8,003	7,441	6,839	6,248	[1]707,074	682,783	705,577	789,552	701,498	472,584
	1,000 lbs.	[2]2,766,410	3,944,776	4,117,187	3,892,276	3,581,870	3,304,394						
Linters	1,000 bales	111	132	279	186	163	117	3,615	4,064	7,988	7,160	6,070	3,166
	1,000 lbs.	56,704	70,835	157,239	107,584	96,743	70,247						
B. Cotton semimanufactures	do.	88,293	103,414	140,470	109,668	103,163	76,093	15,395	19,060	23,997	24,225	23,897	15,007
Cotton-mill waste	do.	59,245	66,788	96,522	63,429	59,130	44,914	6,739	6,078	8,651	7,119	6,744	4,211
Cotton rags, except paper stock	do.	13,559	12,590	15,407	19,199	21,096	12,741	967	850	1,022	1,428	1,542	885
Cotton batting, carded cotton, and roving	1,000 lbs.				415	446	306				76	86	51
Cotton yarn—													
Carded yarn, not combed	do.	15,489	14,794	17,496	13,160	13,919	8,164	7,690	5,237	5,724	4,877	4,682	2,407
Combed yarn	do.		9,242	11,045	13,465	13,572	9,967		6,895	8,600	10,725	10,843	7,452
Mercerized	do.			8,573	11,098	12,046	8,690			7,410	9,490	10,039	6,840
Not mercerized	do.			2,472	2,367	1,526	1,277			1,191	1,235	804	612
C. Cotton manufactures								117,657	109,708	109,189	110,419	111,218	73,677
Cotton thread and cordage—													
Sewing thread	1,000 lbs.	[1] 1,400	1,299	1,237	1,031	1,054	939	1,660	1,280	1,128	1,023	1,150	1,099
Crochet, darning, and embroidery cotton	1,000 lbs.	[1] 196	123	136	135	83	45	[1] 202	160	157	160	97	52
Twine and cordage	do.	[1] 3,558	4,994	4,550	3,755	4,588	3,445	[1] 1,569	1,892	1,664	1,491	1,812	1,286
Cotton cloth, duck, and tire fabric	1,000 sq. yds. [11]	524,932	513,300	565,021	546,847	564,447	416,285	79,875	74,589	76,756	79,299	79,413	51,385
Tire fabric—													
Cord	do.		787	3,454	4,742	4,970	946		386	1,406	2,113	2,217	356
Other	do.		1,216	1,525	1,603	1,355	559		463	393	524	473	212

[1] Average for years 1922–1925.
[2] Average for years 1923–1925.
[9] American-Egyptian (Pima) in 1929 and 1930.
[10] Data for 1929 and 1930 are "Other long staple, including sea island."
[11] Stated in thousands of linear yards prior to Jan. 1, 1922.

No. 548.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926	1927	1928	1929	1930	1921–1925	1926	1927	1928	1929	1930
GROUP 3. TEXTILES—Continued.												
C. Cotton manufactures—Continued.												
Cotton cloth, duck, and tire fabric—Contd.												
Cotton duck[11]—1,000 sq. yds.	9,597	11,302	15,161	13,847	15,120	9,808	4,229	4,184	4,740	4,778	5,233	3,023
Heavy filter, paper dryer, hose, and belting duck—1,000 sq. yds.				840	689	429				451	422	242
Unbleached (gray)—do	7,451	9,166	11,927	9,905	10,295	7,101	3,410	3,413	3,756	3,316	3,435	2,084
Ounce—do			5,998	5,162	6,046	3,953			1,636	1,488	1,712	959
Numbered—do			5,930	4,743	4,249	3,148			2,121	1,828	1,723	1,125
Bleached—do	1,330	1,253	1,927	1,935	2,293	1,211	520	453	610	558	744	336
Colored—do	817	883	1,307	1,367	1,843	1,067	300	318	374	451	632	361
Cotton cloth—do	515,335	499,995	544,881	526,590	543,003	404,970	75,646	69,556	70,216	71,885	71,490	47,794
Unbleached (gray)—do	147,866	119,608	125,719	124,294	137,857	103,692	16,347	12,455	11,356	11,712	12,445	7,924
Drills and twills—do				13,431	12,357	9,160				1,664	1,573	977
Sheetings, 40 inches and under—do				73,485	82,284	58,808				6,586	7,174	4,330
Sheetings over 40 inches—do				1,628	1,561	1,239				191	171	127
Osnaburgs—do				20,275	22,581	17,053				2,083	2,292	1,553
All other—do				15,474	19,074	16,432				1,189	1,236	937
Bleached—do	87,278	98,359	87,301	96,269	89,280	63,906	12,658	12,371	9,984	11,098	10,590	6,951
Drills and twills—do					4,484	3,685					678	557
Pajama checks—do					10,421	7,244					1,076	681
Sheetings—												
40 inches wide and under—do					33,575	16,632					3,849	1,719
Over 40 inches wide—do					12,961	4,346					1,712	569
All other bleached—do					27,339	31,999					3,274	3,425
Colored—do	280,191	282,029	331,862	306,028	315,865	238,372	46,641	44,730	48,876	49,076	48,455	32,919
Voiles—do				46,020	56,379	49,535				7,327	8,049	6,042
Percales and prints—												
32 inches and narrower—do				33,522	29,991	18,361				3,549	3,114	1,723
Over 32 inches wide—do				11,863	11,595	11,852				1,577	1,610	1,459
Flannels and flannelettes—do				4,898	4,452	2,310				728	685	315
Khaki and fustians—do				4,342	4,526	3,702				876	904	704
Denims—do				14,518	17,230	16,966				2,857	3,152	2,526
Suitings (drills, etc.)—do				27,223	30,344	20,581				4,618	4,928	3,177
Ginghams—do				13,324	14,002	6,180				1,512	1,466	610
Chambrays—do				12,339	16,448	17,247				1,372	1,751	1,702
All other printed fabrics—												
7½ and more yds. per lb—do				40,912	27,555	15,423				7,315	4,451	2,504
Less than 7½ yds. per lb—do					20,852	19,239					3,693	2,734

All other piece-dyed fabrics—												
5 and more yds. per lb. ——do——				58,681	24,718	17,471				9,470	3,705	2,347
Less than 5 yds. per lb. ——do——					19,201	15,610					2,808	2,027
All other yarn-dyed fabrics ——do——				23,309	19,807	12,557				3,715	2,963	1,754
Cotton and rayon mixtures (cotton chief value) ——1,000 sq. yds.—				15,077	18,766	11,338				4,158	5,174	3,295
Other cotton fabrics—												
Blankets ——1,000 lbs.—	[1] 1,421	1,492	1,583	1,353	1,569	1,267	894	860	926	817	885	682
Damasks ——1,000 sq. yds.—	[1] 518	306	372	780	780	506	[1] 178	108	97	213	245	141
Pile fabrics, plushes, velveteens, and corduroys ——1,000 sq. yds.—	[1] 421	417	590	635	494	398	[1] 399	430	546	513	412	305
Tapestries and other upholstery ——do——	[1] 96	66	78	432	293	202	[1] 126	86	112	258	305	217
Cotton fabrics sold by the pound ——1,000 lbs.—	3,902	2,649	3,703	9,004	10,130	6,027	[1] 1,915	1,226	1,503	3,337	3,756	2,015
Cotton wearing apparel							21,284	18,508	15,770	14,339	14,768	10,227
Knit goods—												
Gloves ——doz. prs.—	[1] 72,034	130,772	149,753	88,300	125,563	104,836	[1] 130	270	212	158	210	186
Hosiery ——1,000 doz. prs.—	4,564	4,745	4,337	3,877	3,778	2,253	9,114	8,407	7,330	6,729	6,442	3,684
Women's ——do——				2,032	1,942	1,054				3,701	3,442	1,796
Children's ——do——				715	751	552				1,125	1,144	837
Men's socks ——do——				1,130	1,084	647				1,903	1,856	1,051
Underwear ——1,000 doz.—	[1] 1,234	794	663	584	611	471	4,476	3,214	2,541	2,108	2,194	1,710
Sweaters, shawls, and other knit outerwear ——1,000 pcs.—		570	509	566	505	268	455	495	412	461	420	203
Other wearing apparel—												
Collars and cuffs ——1,000 doz.—	[1] 343	363	356	287	231	129	522	570	525	425	311	180
Overalls, breeches, pants ——doz.—	[1] 15,040	11,987	12,715	33,255	53,965	46,426	[1] 247	168	166	421	663	525
Underwear, not knit ——1,000 doz.—	[1] 190	201	162	120	117	96	1,021	922	750	581	539	437
Shirts ——do——	[1] 216	203	210	184	236	189	2,918	2,340	1,988	1,769	2,073	1,722
Dresses, skirts, and waists ——1,000 pcs.—	[1] 303	233	209	456	610	640	[1] 425	223	229	511	596	572
Other cotton clothing							[1] 2,299	1,898	1,619	1,176	1,311	1,008
Other cotton manufactures—												
Handkerchiefs ——1,000 doz.—	[1] 344	259	225	238	214	123	[1] 242	179	143	156	145	81
Laces, embroideries, and lace window curtains ——1,000 yds.—	7,005	8,970	6,406	5,431	4,265	2,693	420	258	216	211	216	127
Woven belting for machinery ——1,000 lbs.—	[2] 407	549	521	478	424	276	[2] 197	292	321	285	242	173
Cotton bags ——do——	[1] 3,874	6,611	6,575	9,354	5,906	5,195	[1] 1,192	1,705	1,393	2,065	1,210	1,101
Quilts, comforts, counterpanes, etc.—number—	[1] 82,121	89,382	87,589	193,898	184,863	154,180	[1] 154	154	137	275	273	212
Bed sheets, pillow, bolster, and mattress cases ——doz.—	[1] 18,493	18,172	24,486	29,326	36,803	30,228	[1] 176	171	172	218	277	206
Towels, bath mats, wash cloths ——1,000 doz.—	[1] 389	452	485	784	907	539	[1] 890	927	899	1,097	1,327	796
Other cotton manufactures							7,771	6,883	7,248	4,661	4,686	3,573
D. Jute manufactures							2,769	3,581	3,426	3,745	5,136	4,034
Jute yarn, cordage, and twine ——1,000 lbs.—	[1] 1,028	835	1,042	1,247	931	935	[12] 196	171	196	195	154	139
Bags of jute ——do——	[1] 31,062	25,011	29,099	30,161	42,864	39,755	2,142	2,794	2,921	3,150	4,647	3,628
Other jute manufactures ——do——					4,084	3,300	[1] 539	615	309	400	336	267

[1] Average for years 1922–1925.
[2] Average for years 1923–1925.

[11] Stated in thousands of linear yards prior to Jan. 1, 1922.
[12] Data prior to 1922 are all twine of vegetable fibers other than binder twine.

No. 548.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926	1927	1928	1929	1930	1921–1925	1926	1927	1928	1929	1930
GROUP 3.—TEXTILES—Continued												
E. Flax, hemp, and ramie manufactures							[1] 378	481	434	519	656	526
F. Other vegetable fiber manufactures							9,480	6,970	4,882	6,344	6,704	4,600
Cordage, except of cotton or jute—												
Binder twine, 1,000 lbs.	61,289	36,500	19,286	30,525	16,779	10,996	7,140	4,712	2,253	3,303	1,792	1,201
Manila cordage, do.	[12] 6,899	5,100	4,630	4,329	4,328	3,936	[12] 1,206	1,107	940	767	793	684
Sisal or henequen cordage, do.		1,135	749	4,899	1,948	744		150	88	478	207	87
Other cordage, do.		463	492	533	635	339		98	80	107	104	65
Oakum, do.	1,761	1,864	2,027	2,098	2,469	1,602	144	167	181	173	199	136
Other vegetable fiber, straw, or grass manufactures							990	736	1,338	1,517	3,608	2,427
I. Wool and mohair, unmanufactured, 1,000 lbs.	699	282	323	485	239	162	204	121	139	180	88	75
J. Wool semimanufactures, do.	9,293	11,093	15,124	18,271	10,785	11,274	934	1,024	1,176	1,649	922	926
Wool rags, do.	8,580	10,291	14,293	17,397	10,215	10,526	641	807	987	1,366	755	615
Wool noils and waste, do.	[1] 774	769	796	828	540	599	[1] 138	153	121	195	105	142
Wool yarns, do.	[1] 118	33	35	45	31	149	[1] 229	59	67	89	63	169
K. Wool manufactures							6,708	3,954	3,978	4,870	5,360	4,023
Fabrics wholly or chiefly of wool—												
Wool cloth and dress goods, 1,000 lbs.	938	335	349	345	335	278	1,869	648	695	653	601	507
Wool cloth and dress goods, 1,000 yds.	1,401	520	531	498	448	356						
Mohair cloth, 1,000 lbs.	[1] 97	55	46	83	75	41	[1] 216	163	133	181	242	145
Mohair cloth, 1,000 yds.	[1] 184	99	111	133	120	70						
Other wool fabrics, 1,000 lbs.	[1] 112	43	44	58	59	42	[1] 156	61	70	98	90	61
Carpets and rugs of wool, sq. yds.	[1] 79,338	96,116	80,557	124,600	183,975	90,106	[1] 234	282	332	667	621	292
Wool felts, 1,000 lbs.	[1] 408	320	259	238	350	186	[1] 519	483	371	305	362	217
Wool wearing apparel—												
Knitted bathing suits, dozen			12,036	26,036	32,492	37,407	[1] 440	725	342	723	1,095	1,253
Other knit goods, do.									397	467	399	202
Men's and boys' overcoats, suits, pants, 1,000 pieces		173	186	136	155	88	1,412	639	558	654	716	440
Women's and children's wool clothing, 1,000 pieces		47	49	54	55	47	1,012	385	373	456	464	393
Other wool or mohair manufactures							1,163	568	709	667	770	513
L. Hair and manufactures, 1,000 lbs.	[1] 16,249	15,336	20,819	23,981	22,355	18,362	1,693	2,218	2,846	2,686	2,659	1,929
Hair, unmanufactured—												
Cattle, do.	[1] 15,821	6,185	7,273	10,664	10,199	6,222	1,414	671	715	904	1,093	669
Other, do.		8,281	12,459	12,065	10,516	11,746		1,233	1,816	1,452	1,199	1,076
Hair manufactures, do.	[1] 428	870	1,087	1,252	1,641	394	279	314	315	330	367	184

N. Silk manufactures							12,982	17,788	15,299	18,648	20,389	14,341
Tram, organzine, hard twists, and spun silk	pounds	[1] 86,840	89,808	128,927	174,539	185,152	178,845	[1] 392	586	679	951	1,022	827
Sewing, embroidery, and crochet silk	do	[1] 81,288	74,715	97,203	78,368	69,250	63,166	[1] 623	609	703	622	515	387
Fabrics wholly or chiefly of silk—													
Satins and other for shoes	1,000 yds	2,568	3,201	2,289	5,855	245	223	3,146	3,870	2,768	3,448	484	488
Other broad silks	do					3,015	2,664					3,652	2,935
Velvets, plushes, and chenilles, including ribbon	pounds	[1] 68,962	40,355	27,761	17,836	31,444	32,063	[1] 223	114	93	62	105	130
Silk ribbons, except velvet and plush	1,000 yds	[2] 7,094	4,820	3,245	2,750	2,326	2,292	[1] 489	262	206	127	135	129
Silk wearing apparel—													
Underwear	number	[1] 70,323	83,226	71,389	50,850	79,107	56,263	[1] 155	169	144	105	153	101
Dresses, skirts, waists, and blouses	do	[1] 79,484	102,768	115,524	197,040	284,229	234,312	[1] 893	1,033	1,182	1,818	2,264	1,840
Hosiery	1,000 doz. pairs	[1] 685	960	779	899	922	613	[1] 6,271	8,995	8,021	9,657	9,811	6,170
Women's seamless	do				96	68	32				737	581	243
Women's full fashioned	do				657	700	492				8,114	8,406	5,465
Children's	do				17	11	6				65	36	21
Men's socks	do				130	143	83				742	789	441
Other silk wearing apparel								[1] 668	507	384	612	730	455
Other silk manufactures								1,361	1,643	1,119	1,245	1,517	879
O. Rayon manufactures							6,951	7,681	7,378	6,351	7,223	5,907
Yarn	1,000 lbs	[14] 148	400	401	196	223	345	[14] 200	521	754	201	286	356
Embroidery, crochet, and knitting thread	1,000 lbs				19	17	8				51	54	25
Tapestry and drapery fabrics	1,000 sq. yds				90	76	52				68	81	50
Woven and knit dress and piece goods	1,000 sq. yds				3,019	4,459	6,400				1,288	2,295	2,872
Hosiery	1,000 doz. pairs	1,126	1,252	1,172	1,091	1,079	583	4,794	4,709	3,952	3,613	3,200	1,617
Women's	do				616	519	241				2,279	1,682	771
Children's	do				106	115	78				267	247	160
Men's socks	do				369	445	264				1,067	1,272	686
Knit underwear	dozens		3,641	12,859	40,300	54,641	49,763		45	133	335	408	319
Ribbons, braids, fringes, and narrow trimmings	1,000 yds				3,633	3,233	3,719				114	107	112
Other rayon manufactures								2,099	2,406	2,540	591	791	556
P. Miscellaneous textile products								17,117	22,570	22,307	24,845	24,144	18,066
Linoleum	1,000 sq. yds	3,715	787	1,093	1,721	1,572	788	1,578	561	717	1,173	1,041	551
Felt base floor coverings	do		2,898	3,480	5,198	5,194	4,355		1,072	1,325	1,355	1,923	1,534
Oilcloth	do	[1] 9,002	9,261	10,599	10,764	10,586	9,215	2,085	2,237	2,305	2,344	2,353	1,830
Window-shade and book cloth	do	[2] 1,921	3,023	2,752	2,866	3,326	3,241	[1] 415	644	523	533	575	529
Waterproofed auto cloth [15]	do	[2] 2,285	2,191	2,178	2,349	971	494	[1] 1,190	1,247	1,097	1,287	538	266
Pyroxylin leather cloth	1,000 sq. yds	[2] 4,455	4,981	5,268	6,202	2,013	2,420	2,420	3,091	2,955	3,555	1,707	1,319
Other leather cloth	do					2,493	1,532					1,371	824
Waterproofed outer garments	thousands		217	358	372	533	377	[1] 605	513	729	777	1,063	759

[1] Average for years 1922–1925.
[2] Average for years 1923–1925.
[13] Data prior to 1922 are "cordage of all vegetable fibers."
[14] 1925 only.
[15] "Waterproofed auto cloth and rubberized fabrics" prior to 1926.

No. 548.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926	1927	1928	1929	1930	1921–1925	1926	1927	1928	1929	1930
GROUP 3.—TEXTILES—Continued												
P. Miscellaneous textile products—Continued.												
Corsets, brassieres, and girdles...1,000 pieces	[1] 691	1,427	1,402	1,387	1,396	1,191	1,847	2,180	1,902	1,786	1,882	1,475
Pajamas, nightshirts, and gowns...dozens				13,220	17,230	15,085				152	193	156
Hats of straw or fiber and materials							983	417	387	534	644	590
Hat braid of straw or other fiber...1,000 yds	[1] 15,855	6,928	9,254	9,435	7,352	7,999	[1] 150	65	111	88	67	145
Hats of straw, palm leaf, etc...1,000 hats	[1] 528	340	319	725	944	668	863	352	276	445	577	444
Hats and caps, except straw or other fiber—												
Men's and boys' fur-felt hats...thousands	[1] 327	386	372	474	384	288	1,042	1,835	1,685	2,047	1,830	1,325
Women's and children's fur-felt hats...do		56	43	84	78	61		167	168	218	237	155
Wool-felt hats...do	[1] 205	110	184	453	424	186	[1] 374	184	224	384	410	244
Other hats and caps...do	[1] 1,328	1,037	1,066	1,131	1,118	845	[1] 1,135	977	866	854	672	513
Hat trimmings, artificial flowers, etc							723	467	346	455	375	220
Mattresses, cotton, kapok, moss, hair...number	[1] 12,472	12,550	21,236	28,295	34,282	29,876	[1] 109	110	124	173	215	243
Absorbent cotton, gauze, and sterilized bandages...1,000 lbs	[2] 2,934	3,199	3,165	3,275	3,688	3,722	[2] 2,118	2,284	2,149	2,238	2,476	2,242
Elastic webbing...1,000 yds				32,647	34,851	27,545				1,297	1,746	1,062
Garters and arm bands...1,000 doz. prs	[1] 482	721	606	567	477	269	[1] 682	923	930	835	762	427
Suspenders and braces...dozens	[1] 58,662	35,518	30,999	27,166	21,715	12,848	[1] 196	114	102	92	80	48
Other textile manufactures							[1] 2,097	3,547	3,772	2,255	2,322	1,754
GROUP 4.—WOOD AND PAPER												
Total							153,088	179,582	192,010	200,755	210,844	153,860
A. Wood unmanufactured							8,123	11,078	12,625	15,784	15,287	9,530
Logs and hewn timber—												
Hardwoods...1,000 ft. b. m	15,446	12,338	19,302	16,411	16,989	16,750	1,008	769	1,340	1,297	12,35	1,161
Ash and hickory...do					3,193	6,670					197	393
Walnut...do					2,176	934					428	284
Other hard woods...do					11,620	9,096					610	484
Softwoods—												
Southern pine...do		13,340	4,215	2,463	10,286	1,454		553	169	101	425	67
Douglas fir...do	109,275	28,296	32,514	34,483	57,508	43,488	3,376	475	528	515	713	602
Cedar...do		138,463	186,976	261,520	176,379	115,968		3,595	4,112	5,953	2,934	2,542
Other soft woods...do		50,558	80,690	116,136	117,876	127,866		695	1,184	1,670	1,534	1,771
Railroad ties...thousands	2,702	3,761	3,550	4,163	5,046	1,664	2,978	3,508	3,560	3,574	4,334	1,641
Hardwood...do	[1] 564	194	224	296	581	158	[1] 799	216	229	281	470	161
Softwood...do	[1] 2,026	2,618	2,488	2,949	3,614	976	[1] 1,826	2,201	2,141	2,088	2,579	683
Creosoted or otherwise preserved...do		949	839	918	851	530		1,091	1,191	1,205	1,285	797

Piling	1,000 lin. ft.	1,514	4,472	4,686	6,458	6,892	4,436	[1] 433	987	1,228	2,047	1,719	764
Telegraph, trolley, and electric-light poles	number	[1] 51,766	63,455	44,871	89,237	189,977	173,345	[1] 274	312	214	429	1,107	833
Firewood and other unmfr'd	1,000 cu. ft.	[1] 2,245	3,278	2,425	2,931	2,951	2,607	195	187	190	198	284	148
B. Wood, semimanufactures—sawmill products								85,078	97,444	107,574	108,798	110,637	78,402
Sawed timber	1,000 ft. b. m.	475,659	737,181	761,699	758,966	699,219	491,569	14,748	18,428	20,426	19,444	17,492	12,636
Softwoods—													
Southern pine	do	147,638	121,680	178,395	160,740	127,351	140,430	5,576	4,867	7,995	6,751	5,511	6,156
Douglas fir	do	322,522	555,338	544,827	556,224	541,269	330,758	8,839	11,499	11,225	11,262	10,955	5,807
Cedar	do		27,955	5,257	2,499	854	634		1,025	187	106	28	26
Other softwoods	do		27,415	26,556	30,999	21,845	14,817		733	622	895	408	334
Hardwoods	do	5,498	1,930	1,094	1,618	1,988	1,235	333	138	69	106	124	76
Creosoted or otherwise preserved—													
Southern pine	do		1,309	3,743	4,133	4,389	3,283		94	229	284	291	217
Other sawed timber	do		1,534	1,827	753	1,519	412		72	100	39	84	20
Boards, planks, and scantling	do	1,668,945	1,956,727	2,188,692	2,358,890	2,378,509	1,766,399	69,165	78,219	86,465	88,590	92,317	65,262
Softwoods	do	1,391,617	1,604,189	1,781,336	1,897,043	1,923,372	1,365,984	48,887	53,224	58,804	59,179	62,075	40,234
Cypress	do	8,246	8,500	10,849	7,538	11,087	6,099	557	501	598	492	638	356
Douglas fir	do	563,869	694,486	685,907	768,076	908,846	638,393	13,856	15,273	15,379	16,624	20,748	12,760
Rough	do	[2] 560,274	651,478	627,791	703,404	840,349	592,719	[2] 14,141	14,042	13,764	14,014	18,950	11,556
Dressed	do	[2] 22,862	43,008	58,116	64,672	62,497	45,674	[2] 936	1,231	1,615	1,710	1,798	1,204
Southern pine	do	586,975	581,564	710,549	708,735	679,042	500,965	24,291	25,779	30,312	29,005	28,657	20,191
Rough	do	[2] 557,469	491,454	614,781	625,213	597,472	440,262	[2] 23,936	21,874	26,355	25,533	25,138	17,760
Dressed	do	[2] 117,190	90,110	95,768	83,522	81,570	60,703	[2] 4,983	3,905	3,958	3,471	3,519	2,431
White, western, and sugar pine	do	49,079	32,038	33,783	32,976	41,482	31,733	2,534	1,991	1,941	1,911	2,392	1,556
Cedar	do			19,094	25,645	16,629	9,836			878	1,184	881	561
Redwood	do	33,795	47,855	65,630	59,815	62,280	28,412	2,593	2,647	3,702	3,347	3,575	1,512
Spruce	do	27,635	20,497	24,862	29,004	27,166	25,748	1,410	1,423	1,034	1,223	1,391	991
Hemlock	do	[2] 120,973	179,669	211,607	256,143	166,548	118,268	[2] 3,013	3,856	4,256	5,101	3,358	2,076
Small softwood dimension stock	do		10,417	10,764	4,576	5,337	1,430		316	384	140	246	88
Other softwoods	do	44,435	29,163	8,291	4,535	4,955	5,080	1,836	1,428	319	153	188	143
Hardwoods	do	277,168	352,538	407,356	461,847	455,137	400,415	20,279	24,995	27,661	29,411	30,242	25,027
Ash	do	[2] 20,812	17,526	28,134	30,083	38,781	41,196	[2] 1,497	1,171	1,717	2,003	2,762	2,857
Birch, beech, maple	do		5,135	8,092	15,179	11,746	5,416		441	575	846	723	320
Chestnut	do	[1] 7,870	7,879	9,150	11,449	11,258	7,022	[1] 562	431	521	589	560	343
Cottonwood	do				5,560	5,020	2,677				318	281	116
Gum	do	46,412	59,035	52,194	60,081	53,904	51,936	2,308	3,071	2,629	2,889	2,594	2,318
Red and sap	do			51,243	52,285	46,015	44,954			2,592	2,556	2,274	2,071
Tupelo and black	do			951	7,796	7,889	6,982			36	333	320	247
Hickory	do	[1] 3,309	3,645	4,207	4,518	3,980	3,956	[1] 318	311	377	451	423	375
Oak	do	136,157	177,335	212,202	229,404	221,323	202,947	9,288	12,188	13,773	13,600	13,739	11,833
Poplar	do	21,798	32,207	34,554	38,985	40,383	28,167	1,799	2,171	2,190	2,324	2,520	1,667

[1] Average for years 1922–1925. [2] Average for years 1923–1925. [5] Average for years 1924–25.

No. 548.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926	1927	1928	1929	1930	1921–1925	1926	1927	1928	1929	1930
GROUP 4.—WOOD AND PAPER—Continued												
B. Wood, semimanufactures, etc.—Continued.												
Boards, planks, and scantling—Continued.												
Hardwoods—Continued.												
Walnut, 1,000 ft. b. m.	[1] 7,702	8,522	10,218	13,019	13,781	10,099	[1] 1,090	1,104	1,279	1,663	1,781	1,260
Mahogany, do	[5] 17,422	17,955	17,043	16,010	16,153	12,661	[5] 2,512	2,697	2,555	2,380	2,339	1,734
Wagon-oak planks, do	----------	1,409	7,565	6,853	9,701	13,724	----------	94	501	425	584	804
Small dimension stock, do	----------	1,950	1,640	5,391	5,407	5,770	----------	201	185	550	622	621
Other hardwoods, do	38,241	19,440	24,357	25,315	23,700	14,844	3,313	1,115	1,360	1,375	1,315	780
Other sawed lumber, do	[1] 7,258	4,620	4,456	4,854	4,665	4,109	850	340	216	252	228	190
Lath, thousands	[1] 31,300	49,348	29,240	21,384	51,088	31,154	[1] 188	239	146	92	234	102
Shingles, do	30,570	53,927	87,948	114,166	91,555	62,544	163	218	322	420	367	215
C. Wood manufactures	----------	----------	----------	----------	----------	----------	30,846	37,884	38,089	37,525	40,938	29,849
Cooperage	----------	----------	----------	----------	----------	----------	8,666	10,202	11,225	9,048	9,678	6,713
Staves, thousands	59,746	67,567	81,425	80,482	84,322	58,968	3,879	4,136	4,816	4,676	4,724	2,879
Tight staves, do	[1] 23,898	28,156	32,032	33,388	38,505	24,333	[1] 3,206	3,554	4,033	3,997	4,145	2,444
Slack staves, do	[1] 42,112	39,411	49,394	47,074	45,817	34,635	[1] 742	583	783	679	578	435
Heading, 1,000 sets	[1] 3,335	3,444	4,827	3,726	3,529	3,138	421	625	1,041	717	762	595
Tight heading, do	----------	1,190	1,969	1,377	1,284	1,067	----------	454	765	531	582	440
Slack heading, do	----------	2,254	2,858	2,349	2,245	2,071	----------	171	277	186	180	155
Cooperage shooks—												
Tight, do	[1] 1,688	1,240	1,221	779	1,049	867	3,493	4,034	3,565	2,563	3,236	2,499
Slack, do		892	1,365	441	480	288		561	825	279	289	175
Tight empty barrels, casks, hogsheads, thousands	[1] 360	353	309	357	302	255	873	846	978	814	667	565
Box shooks—												
Southern pine, 1,000 bd. ft.		10,743	14,063	15,373	12,533	12,474		569	718	702	577	571
Hemlock, do		72,377	49,144	67,611	64,881	42,151		2,085	1,405	1,992	1,903	1,222
Spruce, do	[1] 86,832	2,691	5,716	4,322	1,597	1,453	3,179	85	209	125	66	69
Gum, do		----------	----------	5,261	6,613	3,378		----------	----------	300	359	169
Other, do		34,820	28,186	14,933	13,056	18,344		1,687	1,289	661	585	871
Veneers, 1,000 sq. ft.		72,173	65,901	83,774	98,881	78,297		1,869	1,626	2,248	2,765	1,928
Veneer packages for fruit and vegetables	[2] 55,347	----------	----------	----------	----------	----------	[1] 1,669	----------	----------	92	154	54
Plywood, 1,000 sq. ft.		19,141	17,206	27,676	33,382	37,891		753	779	1,285	1,642	1,542
Hardwood flooring, 1,000 ft. b. m.	[2] 6,384	7,132	11,287	15,300	16,139	12,518	[2] 483	484	710	986	1,150	899
Doors, thousands	[5] 1,022	1,825	2,122	1,675	2,140	1,806	1,643	3,351	3,730	2,961	3,987	3,027
Sash and blinds, do		53	81	128	110	61		126	153	211	182	132
Trimmings and moldings n. e. s., 1,000 lin. ft.	[3] 4,644	6,048	6,997	10,513	11,088	11,174	256	225	235	345	287	244
Other millwork and house fixtures	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	280	320
Cane and reed manufactures, n. e. s.	----------	----------	----------	----------	----------	----------	[1] 429	352	287	235	208	111

Furniture of wood—												
Chairs—thousands	[1] 186	194	196	173	171	126	721	689	694	724	795	509
Office furniture								274	296	279	320	165
Store fixtures							2,371	354	167	179	274	193
School and church furniture								162	268	241	212	209
Other wood, willow, and wicker furniture								1,591	1,758	2,297	3,068	2,190
Boat oars and paddles—number	[1] 92,794	78,689	75,916	93,547	82,469	77,785	202	176	189	215	182	159
Wagon and other vehicle stock										240	148	92
Plow and similar bent handles—1,000 doz				27	16	9				68	44	30
Hoe, fork, shovel, broom, and other long handles—1,000 doz		300	909	902	919	880	2,009	454	973	889	936	731
Handles for striking tools—do		1,353	970	860	1,020	678		1,796	1,283	1,262	1,376	941
Pencilslats—1,000 lbs			14,368	13,704	12,773	12,011			1,933	1,838	1,403	1,369
Wood nware							268	273	466	593	522	618
Other wood manufactures							9,563	10,326	7,747	7,505	7,832	4,772
D. Cork manufactures							903	1,547	1,613	1,747	1,816	1,597
Disks, washers, and wafers—1,000 gross	[2] 3,271	5,906	5,182	3,839	7,017	11,359	[1] 142	206	209	155	275	426
Crown bottle caps—do	[5] 3,918	3,792	3,812	3,649	3,237	2,730	[5] 814	801	804	746	675	554
Stoppers—1,000 lbs	[1] 296	194	370	730	578	286	[1] 108	84	142	227	205	154
Other cork manufactures—do	[1] 2,216	16,630	2,933	4,615	3,956	2,964	[1] 302	456	458	620	662	463
E. Paper base stocks							3,704	4,984	5,412	6,104	5,078	4,178
Pulpwoods—cords	[1] 14,380	12,662	59,059	27,518	52,682	130,242	[1] 122	114	485	221	464	1,265
Wood pulp—												
Sulphite wood pulp—tons of 2,240 lbs		20,875	24,252	22,272	39,154	31,226		1,346	1,266	1,308	2,116	1,671
Soda wood pulp—do	26,097	1,601	2,027	2,441	1,961	1,808	1,744	133	177	194	160	141
Other wood pulp—do		8,078	2,293	5,183	7,160	10,204		606	91	276	453	259
Rags and other paper stock—1,000 lbs	105,109	195,020	217,798	230,626	108,416	62,243	1,863	2,765	3,394	4,103	1,885	842
F. Paper and manufactures							24,435	26,885	25,797	30,797	37,086	30,303
Printing paper—												
Newsprint paper—1,000 lbs	39,352	38,516	24,657	22,780	37,391	20,408	1,987	1,849	1,191	866	1,346	812
Book paper, not coated—do	26,383	18,085	16,045	24,511	37,817	31,830	3,148	1,722	1,371	1,790	2,651	2,144
Cover paper—do	[1] 1,209	1,560	1,651	2,038	2,054	2,192	[1] 207	269	283	341	356	343
Grease proof and waterproof paper—do	[1] 1,605	2,419	2,613	3,107	2,908	3,805	193	354	381	490	526	742
Overissue and old newspapers—do					154,078	171,312					1,668	1,335
Wrapping paper—do	27,928	33,015	32,312	36,757	43,833	44,248	2,170	2,234	2,256	2,587	2,957	2,759
Surface-coated paper—do	[1] 3,725	5,903	5,973	11,157	17,318	7,567	[1] 560	745	768	1,137	1,577	867
Tissue and crêpe paper—do	[1] 7,966	4,400	4,801	4,995	4,798	4,762	1,281	1,080	1,092	1,096	1,061	919
Toilet paper—do		5,272	5,528	6,448	7,035	7,420		648	669	685	788	812
Paper towels and napkins—do	[1] 1,274	2,030	2,360	3,018	3,618	3,911	209	295	332	400	435	451
Boxboard of paperboard and strawboard—do	[11] 22,482	52,409	43,634	48,670	53,459	60,370	[11] 796	1,502	1,351	1,354	1,424	1,499
Bristols and bristol board—do	[1] 1,340	1,527	1,845	1,979	2,903	2,314	[1] 144	173	180	221	286	219
Other paper board—do	[1] 52,223	40,313	38,555	42,124	47,317	33,636	2,291	2,030	2,073	2,150	2,097	1,607
Sheathing and building paper—do	[1] 7,479	11,906	12,802	14,854	22,496	18,708	[1] 334	506	503	551	757	636
Fiber insulating lath or board—1,000 sq. ft					30,019	62,499					1,014	2,009
Wall board of paper or pulp—do	[1] 14,907	25,476	45,909	61,601	68,404	30,090	544	879	1,506	2,069	2,233	999
Blotting paper—1,000 lbs	[5] 2,186	3,175	3,667	3,921	3,606	3,115	[5] 326	403	411	446	429	379

[1] Average for years 1922–1925. [2] Average for years 1923–1925. [5] Average for years 1924–25. [11] 1925 only.

No. 548.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926	1927	1928	1929	1930	1921–1925	1926	1927	1928	1929	1930
GROUP 4.—WOOD AND PAPER—Continued												
F. Paper and manufactures—Continued.												
Filing folders, index cards, and other office forms—1,000 lbs.	[5] 550	808	1,036	1,502	1,634	1,642	[5] 160	237	322	516	599	605
Papeteries (fancy writing paper)—do.	[1] 5,926	705	706	752	855	651	1,719	213	186	196	208	147
Other writing paper—do.		10,406	13,228	25,834	27,991	21,064		1,662	1,918	2,833	2,956	2,070
Paper hangings (wall paper)—1,000 rolls						3,227	555	572	603	642	582	465
Paper bags—1,000 lbs.	[1] 10,930	11,534	11,247	9,155	12,060	11,250	975	1,024	971	801	1,010	893
Boxes and cartons—do.	[1] 12,746	19,866	23,659	28,449	28,120	22,715	1,126	1,435	1,628	1,901	1,892	1,371
Envelopes—do.	[1] 2,588	2,683	2,509	2,453	2,421	2,229	[1] 502	484	423	406	429	372
Vulcanized fiber sheets, strips, rods, and tubes—1,000 lbs.		5,354	4,285	5,524	6,117	4,578	1,351	1,590	1,264	1,455	1,488	1,140
Cash register and adding machine paper—do.	[1] 1,242	2,009	2,104	3,419	5,507	4,579	141	205	213	359	522	434
Other paper and paper products							4,994	4,555	4,902	5,507	5,794	4,273
GROUP 5.—NONMETALLIC MINERALS												
Total							582,352	811,552	654,488	687,261	739,698	641,822
A. Coal and related fuels—1,000 tons of 2,240 lbs.	20,508	35,972	19,771	18,391	19,709	17,350	131,112	203,884	109,687	99,515	106,151	89,762
Coal—												
Anthracite—do.	3,502	3,598	2,969	2,979	3,041	2,278	38,476	41,086	32,928	32,657	32,569	24,509
Bituminous—do.	16,350	31,493	16,082	14,433	15,562	14,176	86,482	155,819	71,329	59,464	65,742	59,186
Fuel or bunker coal for vessels in foreign trade (not included in exports)—1,000 tons of 2,240 lbs.	*4,908*	*6,907*	*4,076*	*3,834*	*3,827*	*3,122*	*31,538*	*38,025*	*22,077*	*20,258*	*19,575*	*15,697*
Coke—do.	655	881	720	980	1,105	896	6,154	6,980	5,431	7,395	7,840	6,067
B. Petroleum and products							405,052	554,534	435,903	525,853	561,191	494,339
Petroleum, crude—1,000 bbls. of 42 gals.	13,330	15,406	15,843	18,961	26,394	23,704	22,487	28,496	25,944	26,786	37,800	32,153
Refined oils—do.	76,454	108,398	115,399	126,159	126,377	122,168	363,586	497,212	429,663	465,214	493,382	438,195
Gasoline, naphtha, and other finished light products—1,000 bbls. of 42 gals.	21,100	42,480	43,334	51,752	60,097	63,195	152,051	263,200	209,839	232,298	266,904	250,647
Illuminating oil—do.	20,446	22,016	19,352	21,847	19,820	16,690	85,381	100,353	79,303	93,466	83,798	63,325
Gas and fuel oil—do.	26,555	34,516	42,963	41,573	35,715	32,378	41,207	45,354	49,802	45,812	37,200	33,220
Fuel or bunker oil for vessels in foreign trade (not included in exports)—1,000 bbls. of 42 gals.	*36,501*	*46,662*	*50,051*	*51,226*	*52,278*	*50,773*	*55,842*	*71,045*	*72,967*	*59,426*	*54,710*	*53,576*
Lubricating oil—do.	8,332	9,256	9,606	10,817	10,653	9,753	84,439	86,415	88,843	91,576	102,899	88,931
Red and pale—do.	[2] 4,994	5,475	5,984	6,945	6,912	5,890	[2] 42,240	43,192	49,368	54,463	61,566	48,590
Black—do.	[2] 1,075	609	672	1,029	866	988	[2] 6,214	3,511	3,486	5,124	4,955	3,893
Cylinder—do.	[2] 2,892	3,172	2,950	2,843	2,875	2,875	[2] 35,831	39,712	35,989	31,989	36,378	36,448
Mineral spirits (substitute for turpentine)—1,000 bbls. of 42 gals.	[2] 24	42	63	56	60	55	[2] 337	396	550	509	554	465

Insulating or transformer oils ... do		78	68	101	103	81		1,086	836	1,040	1,332	918
Light lubricating oils in small packages ... 1,000 bbls. of 42 gals	[2] 14	9	13	13	19	16	[2] 510	409	490	514	696	689
Lubricating greases ... 1,000 lbs	[1] 81,673	96,083	100,483	108,112	116,692	99,273	4,395	5,213	5,299	5,588	6,111	5,405
Paraffin wax ... do	311,435	335,584	340,423	392,652	319,276	292,933	13,828	18,934	15,034	16,864	14,074	10,480
Unrefined ... do	77,789	70,948	76,249	83,097	80,222	82,961	2,938	3,658	2,748	3,012	2,905	2,352
Refined ... do	233,646	264,636	264,174	309,555	239,054	209,972	10,891	15,277	12,287	13,852	11,169	8,128
Petroleum asphalt ... tons of 2,240 lbs	[14] 79,477	130,883	343,778	439,609	428,039	366,419	[14] 1,762	3,184	8,325	9,789	8,543	7,277
Petroleum coke ... do		85,814	93,253	128,688	115,820	88,098		887	1,053	1,384	1,134	768
Residuum, including road oil ... 1,000 bbls. of 42 gals	131	160	217	63	35	23	403	608	584	226	147	61
C. Stone, sand, cement, and lime							5,537	5,562	5,740	5,914	6,819	5,318
Marble in blocks, rough or dressed ... cu. ft	[1] 59,498	66,293	65,380	64,326	98,478	84,550	[1] 238	252	237	254	395	376
Roofing slate ... squares	[1] 8,303	5,621	6,798	12,236	10,376	5,278	82	53	80	119	121	64
Other building or monumental stone ... 1,000 cu. ft	[1] 918	328	384	653	825	731	388	435	852	473	683	594
Other manufactures of stone							1,047	1,024	1,006	1,246	1,488	1,067
Sand and gravel ... 1,000 tons of 2,240 lbs	[1] 368	379	376	658	434	288	455	610	558	638	810	570
Cement, hydraulic ... 1,000 bbls.[16]	1,042	974	817	825	885	756	3,209	2,996	2,797	2,939	3,083	2,455
Lime ... do.[17]	110	130	155	182	173	145	166	192	211	245	239	192
D. Glass and glass products							10,053	9,171	8,882	10,108	10,931	9,120
Plate and window glass—												
Window glass, common ... box, 50 sq. ft	41,496	30,976	21,164	18,601	15,533	15,544	243	184	118	102	92	84
Plate glass unsilvered ... 1,000 sq. ft	2,098	855	1,081	2,280	2,043	3,361	852	243	347	681	745	1,036
Other window and plate glass ... 1,000 lbs	[1] 2,481	3,026	4,415	3,905	4,778	5,189	[1] 274	272	434	439	513	443
Glass containers (bottles, vials, and jars)							3,245	3,104	3,077	3,515	3,570	2,992
Table glassware, plain							[1] 1,808	1,602	1,440	1,382	1,523	1,201
Table and other glassware, cut or engraved							182	172	143	135	135	97
Lamp chimneys and lantern globes ... 1,000 lbs	[1] 1,803	2,034	1,911	1,601	1,581	1,181	[1] 345	386	388	327	320	218
Globes and shades for lighting fixtures ... do	[1] 1,558	1,778	1,669	1,814	2,080	1,636	[1] 451	598	611	645	750	582
Chemical glassware ... do	[1] 247	227	213	231	290	269	190	206	194	201	249	231
Glass electric insulators ... do	[1] 2,506	4,881	2,240	4,727	4,873	3,462	[1] 217	436	237	424	406	239
Other glassware							2,863	1,858	1,893	2,257	2,628	1,997
E. Clays and clay products							7,224	8,012	8,405	9,560	12,743	10,564
Clays—												
Fire clay ... tons of 2,240 lbs	32,831	42,622	42,947	53,695	68,358	55,946	263	348	392	494	589	520
Other clays ... do	37,136	37,640	45,784	54,385	68,562	65,955	346	644	726	896	1,117	1,109
Pottery—												
China and porcelain ware—												
Table, toilet, or kitchen ware							[1] 168	140	161	197	194	180
Electrical porcelain—												
For less than 6,600 volts ... 1,000 lbs	[1] 7,889	5,273	4,514	4,605	6,392	4,561	[1] 1,646	755	604	669	923	556
For 6,600 volts and over ... do		4,614	3,432	4,302	5,457	5,378		787	598	706	895	872
Other china and porcelain ware							162	128	178	193	198	170
Water-closet sets ... number	[1] 49,415	91,801	111,461	124,331	61,905	31,736	658	1,027	1,199	1,371	948	499
Other earthenware plumbing fixtures ... do											851	877

[1] Average for years 1922–1925. [2] Average for years 1923–1925. [5] Average for years 1924–25. [14] 1925 only. [16] Of 376 pounds. [17] Of 200 pounds.

No. 548.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926	1927	1928	1929	1930	1921–1925	1926	1927	1928	1929	1930
GROUP 5.—NONMETALLIC MINERALS—Continued.												
E. Clays and clay products—Continued.												
Pottery—Continued.												
Other earthen, stone, and crockery ware							1,063	695	862	817	1,026	831
Crucibles, clay and graphite...1,000 pieces	[1] 444	619	558	352	693	489	[1] 103	140	109	110	124	104
Bricks and tiles—												
Fire-clay bricks...thousands	31,272	25,620	28,500	29,576	30,604	25,387	1,358	708	874	815	848	881
Other refractory bricks...do	[1] 8,994	14,008	13,465	16,718	21,736	10,951	[1] 788	1,379	1,338	1,455	1,923	1,121
Refractory shapes...1,000 lbs	[1] 23,940	27,723	40,340	58,487	84,479	80,623	[1] 557	699	812	1,274	1,863	1,672
Fire-clay refractory shapes...do						37,247						684
Other refractory shapes...do						43,376						988
Building bricks and hollow tile...thousands	11,226	6,529	5,781	11,266	30,078	16,400	290	177	161	264	553	399
Wall and floor tiles...1,000 sq. ft	[1] 6,061	5,764	6,491	947	1,636	1,379	475	376	391	298	530	556
High-temperature cements...do					4,848	5,681					160	216
F. Precious stones, including pearls							[1] 72	64	87	72	47	136
G. Other nonmetallic minerals							23,317	30,324	35,784	36,238	41,816	32,582
Abrasives							4,980	7,022	7,254	8,527	8,923	6,966
Wheels of emery and corundum...1,000 lbs	[1] 1,665	780	693	737	831	479	699	249	240	254	286	203
Grindstones...do	[1] 10,734	12,719	11,154	10,633	7,577	4,996	419	630	578	391	391	247
Other natural abrasives, hones, whetstones, etc...1,000 lbs		7,473	8,169	9,627	9,664	8,216		323	419	453	423	361
Artificial abrasives, crude or in grains...do		10,213	13,416	18,376	16,147	15,098		778	800	1,024	1,166	930
Wheels of artificial abrasives...do		4,750	5,346	6,287	6,479	4,788	3,861	1,868	1,820	2,210	2,342	1,720
Abrasive paper and cloth...1,000 reams			217	282	293	246		2,475	2,769	3,273	3,460	2,758
Other artificial abrasives...1,000 lbs		7,046	6,844	8,085	5,793	5,404		699	627	751	855	747
Asbestos—												
Unmanufactured...tons of 2,240 lbs	706	986	276	759	633	688	73	86	49	347	108	95
Paper, millboard, and roll board...1,000 lbs	[1] 2,548	1,792	1,576	1,626	1,700	1,917	[1] 139	153	117	132	152	153
Pipe covering and cement...do	[1] 4,622	4,266	4,852	4,923	6,890	6,666	[1] 304	257	275	286	409	427
Textiles, yarn, and packing...do	[1] 1,068	1,450	1,407	1,633	1,979	1,784	[1] 689	814	781	924	1,032	949
Brake lining...1,000 lin. ft				7,750	7,427	6,717	[14] 863	1,040	379	1,422	1,521	1,372
Other manufactures, except roofing...1,000 lbs	[1] 2,831	2,721	2,566	2,895	4,892	4,777	1,039	335	317	434	535	445
Asphalt and bitumen, natural—												
Unmanufactured...tons of 2,240 lbs	46,564	34,123	35,603	23,449	41,930	20,679	1,219	906	1,034	684	1,133	629
Manufactures, except roofing...1,000 lbs	[1] 63,930	52,175	59,137	39,044	62,421	53,668	957	977	1,249	771	1,280	1,120
Carbons and electrodes—												
Electrodes for electric furnaces...do	[14] 12,203	13,711	13,740	15,690	15,854	15,885	[14] 1,214	1,641	1,858	2,195	2,148	2,057
Other carbon products...do	[1] 25,647	30,577	32,998	8,158	8,107	5,912	1,766	1,361	1,299	698	940	669
Chalk manufactures...do	[1] 1,288	1,661	1,763	1,560	1,451	1,074	205	224	240	204	204	138
Gypsum—												
Crude, crushed, or ground...tons of 2,240 lbs				2,112	3,777	3,217				24	31	23
Plaster board and wall board...1,000 sq. ft			9,531	15,217	18,420	16,678			244	403	443	431
Plaster, calcined, and manufactures, n. e. s.[19] ...1,000 lbs		58,320	36,859	32,845	49,157	40,016	472	798	471	393	481	398

Mica and manufactures—do	[1] 1,720	2,326	2,868	3,662	6,187	4,733	167	231	207	229	329	263
Sulphur—												
Sulphur or brimstone—tons of 2,240 lbs	471,093	576,966	789,274	685,051	855,183	593,312	7,504	10,918	16,254	14,345	17,629	12,416
Refined, sublimed, and flowers—1,000 lbs	[1] 5,114	12,002	31,419	44,537	39,565	35,870	[1] 120	236	544	707	649	556
Magnesia and manufactures—do	[1] 4,402	6,579	5,532	5,857	6,259	6,843	[1] 280	323	309	355	392	454
Salt—do	268,042	317,816	307,664	290,792	218,443	140,956	1,313	1,278	1,330	1,186	1,009	716
Graphite and manufactures, except crucibles—1,000 lbs	[1] 3,726	4,284	3,639	4,406	3,227	3,113	491	512	436	455	370	418
Other nonmetallic mineral products							1,491	1,211	1,136	1,518	2,096	1,887
GROUP 6.—METALS AND MANUFACTURES, EXCEPT MACHINERY AND VEHICLES												
Total							415,488	459,184	460,217	500,173	535,889	354,097
A. Iron ore—1,000 tons of 2,240 lbs	677	869	899	1,282	1,304	752	2,994	3,381	3,425	4,798	4,775	2,734
B. Iron and steel semimanufactures							73,209	92,694	86,717	96,025	104,144	71,378
Pig iron, not containing alloys—tons of 2,240 lbs	32,929	25,208	50,992	84,682	46,357	13,671	823	524	1,028	1,367	830	292
Iron and steel scrap (including tin-plate scrap)—tons of 2,240 lbs	69,735	104,838	239,209	516,148	557,044	358,649	1,104	1,794	3,765	6,615	7,748	5,562
Steel ingots, blooms, billets, slabs, and sheet bars—tons of 2,240 lbs	8,463	7,091	7,053	30,101	42,578	17,032	429	373	392	1,233	1,500	733
Iron and steel bars and rods—												
Iron bars—1,000 lbs	352,528	11,583	8,074	13,959	11,360	4,082	11,065	445	345	492	333	150
Steel bars—do		308,608	248,922	354,983	411,925	181,640		8,935	6,938	9,114	10,170	4,689
Alloy steel bars—do		11,077	13,775	31,535	35,266	14,935		923	916	1,487	1,660	911
Wire rods—do	62,816	44,008	36,124	86,515	94,640	89,105	1,445	1,086	883	1,734	2,012	1,876
Iron and steel plates, sheets, skelp, and strips—												
Boiler plate—1,000 lbs	332,532	20,239	34,808	20,225	31,461	15,709	9,297	445	686	433	643	332
Other plates, not fabricated—do		289,463	277,962	362,219	402,417	204,569		7,157	6,338	7,966	9,375	4,527
Skelp iron or steel—do	[1] 207,595	210,254	205,097	295,130	293,388	268,547	[1] 4,210	4,182	3,952	5,384	5,507	5,193
Iron or steel sheets, galvanized—do	245,762	400,141	340,877	340,990	339,388	209,407	11,825	18,392	15,498	14,664	14,759	8,798
Iron sheets, galvanized—do						14,038						812
Steel sheets, galvanized—do						195,369						7,986
Steel sheets, black—do	354,650	393,658	341,652	401,601	388,867	308,938	13,932	14,195	12,188	13,577	14,307	10,343
Iron sheets, black—do	28,691	43,126	38,405	36,490	35,516	25,719	1,420	2,024	1,663	1,634	1,597	1,097
Strip steel, cold rolled—do	[1] 21,492	28,694	25,867	44,221	39,148	23,491	[1] 914	1,148	1,025	1,581	1,577	960
Hoop, band, and scroll iron or steel—do	58,119	76,392	70,812	85,880	119,585	64,575	2,134	2,305	2,036	2,398	3,558	1,713
Tin plate, terneplate, and tagger's tin—do	282,790	561,751	568,710	559,199	580,081	484,997	15,635	28,766	29,062	26,346	28,566	24,202
C. Steel-mill products—Manufactures							93,568	81,407	73,830	83,622	96,001	67,516
Structural iron and steel—												
Water, oil, gas, and other tanks complete, and knocked down material for—1,000 lbs						45,898						2,387
Structural shapes—												
Not fabricated—tons of 2,240 lbs	158,362	157,121	148,176	202,804	288,513	140,415	11,319	7,655	6,554	8,754	12,684	6,234
Fabricated—do		28,127	26,084	54,333	57,484	57,607		3,020	2,500	4,629	5,170	5,525
Ship and tank plates, punched or shaped—1,000 lbs	15,494	12,820	15,762	9,227	13,959	12,608	533	343	441	319	437	317
Metal lath—do	[2] 5,409	9,803	10,446	12,004	12,218	12,497	[2] 419	729	779	830	816	848
Other structural shapes—do	[1] 112,974	97,295	81,319	77,031	108,382	90,136	[1] 4,094	3,589	2,970	3,164	4,008	3,304

[1] Average for years 1922–1925. [2] Average for years 1923–1925. [14] 1925 only. [18] Includes "crude, crushed, or ground" prior to Jan. 1, 1928.

No. 548.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926	1927	1928	1929	1930	1921–1925	1926	1927	1928	1929	1930
GROUP 6. METALS AND MANUFACTURES—Contd.												
C. Steel-mill products—Manufactures—Continued.												
Railway track material—												
Rails—tons of 2,240 lbs.	245,301	187,557	177,593	190,925	146,060	95,179	10,722	7,643	6,783	6,926	5,332	3,580
60 pounds and over per yard—do.	203,485	176,657	169,562	165,764	118,844	75,855	[1] 7,926	7,279	6,478	6,076	4,324	2,836
Less than 50 pounds per yard—do.	22,686	10,900	8,031	25,161	27,216	19,324	[1] 877	364	305	850	1,008	744
Rail joints, splice bars, fishplates, and tie-plates—1,000 lbs.	[1] 60,422	62,056	47,942	62,432	45,901	26,067	3,375	1,676	1,436	1,738	1,521	935
Switches, frogs, and crossings—do.		14,564	15,570	15,414	12,690	7,575		1,025	1,150	1,087	1,088	749
Railroad spikes—do.	18,086	12,384	9,927	10,978	9,087	6,127	649	387	308	348	293	178
Railroad bolts, nuts, washers, and nut locks—1,000 lbs.	[1] 5,187	4,562	3,551	5,227	5,348	3,937	[1] 292	255	262	310	322	271
Tubular products and fittings—												
Boiler tubes—do.	[1] 3,070	41,337	32,958	41,997	43,695	32,896	2,175	2,204	1,741	2,301	2,494	2,005
Casing and oil line pipe—do.	499,525	296,593	214,512	268,317	254,428	139,116	26,145	12,599	9,318	11,399	11,861	6,708
Welded black pipe—do.		188,221	206,415	167,396	231,316	127,838		7,704	7,856	6,324	9,276	5,449
Welded galvanized pipe—do.		90,861	102,697	79,691	93,902	81,375		4,015	4,384	3,303	3,992	3,620
Malleable iron screwed pipe fittings—do.		27,702	22,544	22,643	28,077	24,062		3,434	3,086	2,857	3,927	3,413
Cast-iron screwed pipe fittings—do.	73,861	23,000	16,246	16,325	33,684	13,564	4,746	1,980	1,506	1,348	2,362	1,427
Cast-iron pressure pipe and fittings—do.		29,383	25,987	22,273	33,349	25,503		1,313	1,235	914	1,444	957
Cast-iron soil pipe and fittings—do.		24,027	20,430	37,256	38,064	31,438		801	695	1,088	1,230	1,283
Wire and manufactures—												
Plain iron or steel wire—1,000 lbs.	155,619	38,375	32,721	43,766	44,712	25,469	6,339	1,609	1,451	1,869	2,096	1,147
Galvanized wire—do.		31,764	46,652	59,658	57,214	33,814		1,102	1,393	1,599	1,558	922
Barbed wire—do.	146,669	104,305	105,943	155,003	132,111	78,811	5,293	3,212	3,156	4,377	3,748	2,055
Woven-wire fencing—do.	[1] 7,816	9,310	11,423	11,520	12,325	8,812	477	507	606	638	696	484
Woven-wire screen cloth—do.	[1] 3,904	4,456	5,045	4,221	3,729	3,547	[1] 731	746	827	626	669	558
Wire rope—do.	[1] 13,091	10,706	10,184	12,028	15,582	10,160	1,697	1,443	1,342	1,578	1,907	1,254
Insulated iron or steel wire and cable—do.		1,653	1,103	1,435	2,414	1,191		276	191	217	397	216
Other wire and manufactures—do.	[1] 28,030	20,121	21,413	21,983	23,257	16,730	2,385	1,983	1,894	2,145	2,446	1,677
Nails and bolts (except railroad)—												
Cut nails—do.	4,769	2,398	2,572	2,904	2,012	1,059	193	101	103	113	100	56
Wire nails—do.	71,955	26,304	22,380	32,583	29,087	18,975	2,834	885	763	956	864	536
Horseshoe nails—do.	13,162	2,364	2,416	2,564	1,939	1,682	1,453	279	267	279	214	181
Tacks—do.		2,030	2,005	1,666	1,509	1,004		295	286	229	210	136
Other nails, including staples—do.		10,960	11,890	15,027	17,508	9,401		960	999	1,063	1,260	683
Bolts, machine screws, nuts, rivets, and washers, except railroad—1,000 lbs.	42,973	29,616	27,390	29,747	36,368	22,693	3,499	2,409	2,196	2,537	3,145	2,093
Castings and forgings—												
Iron castings—do.	[1] 31,338	19,799	26,263	27,013	24,587	14,811	2,742	1,276	1,353	1,518	1,573	1,458
Steel castings—do.		16,947	15,687	21,753	24,247	21,007		1,329	1,803	2,551	2,975	2,280
Car wheels and axles—do.	[1] 44,862	37,360	37,323	38,426	48,076	33,238	2,000	1,487	1,273	1,309	1,560	1,140
Horseshoes—do.	1,893	1,478	1,289	1,049	985	405	132	102	91	73	69	32
Iron and steel forgings n. e. s.—do.	[5] 5,178	5,925	10,901	26,222	27,040	18,969	515	533	827	2,308	2,207	1,420

D. Iron and steel, advanced manufactures							68,608	76,863	73,331	82,558	87,002	62,869
Cutlery							7,286	9,406	10,232	12,981	8,989	6,829
Razors, safety	1,000 doz.	7,471	335	570	599	218	147	4,774	883	733	875	363	454
Safety-razor blades	do.		8,949	11,017	15,602	9,962	7,922		5,930	7,021	9,864	6,519	4,756
Scissors and shears	dozens	[1] 78,358	37,553	27,154	42,454	27,251	21,148	[1] 263	178	153	141	142	107
Table and kitchen cutlery	1,000 doz.	[1] 496	378	535	418	387	265	778	589	611	557	533	400
Other cutlery and parts								1,523	1,826	1,714	1,544	1,432	1,112
Hollow ware—													
Tin and galvanized hollow ware	1,000 lbs.		6,284	5,529	7,144	7,381	6,135	1,696	740	704	849	935	780
Tin cans, finished or unfinished	do.	[1] 11,723	8,991	8,046	8,900	11,206	13,162		929	840	973	1,248	1,524
Enameled ware of iron or steel—													
Bathtubs	number	18,080	18,718	17,522	20,292	20,731	14,870	557	635	586	692	764	528
Lavatories, sinks, and other plumbing fixtures	number	[1] 48,899	52,279	56,643	55,551	56,442	39,907	632	662	651	617	672	464
Enameled household ware	1,000 lbs.	[1] 3,999		1,986	3,506	3,210	2,552	1,017	662	402	604	606	472
Metal furniture and fixtures—													
Filing cases	number	[1] 28,684	42,813	60,508	65,855	54,151	73,148	[1] 1,006	1,706	2,157	2,166	1,446	2,397
Safes and cabinets, fire and burglar proof	number	6,683	8,439	14,751	18,810	43,556	5,623	694	626	844	1,017	1,992	400
Bank and safety deposit vaults and equipment								[5] 202	225	452	842	535	577
Other office furniture and fixtures								624	796	773	1,030	1,220	884
Metal beds and bed springs	number		168,340	169,619	176,856	191,776	142,782	2,132	1,399	1,411	1,564	1,646	1,077
Other metal furniture									1,335	1,305	1,437	1,948	1,203
Stoves and furnaces, except electric—													
Coal and wood cooking stoves and ranges	number		13,137	14,382	13,494	11,644	7,707	2,559	352	365	363	308	204
Heating stoves and warm-air furnaces	do.		9,204	8,400	19,938	19,763	16,276		220	249	336	359	266
Gas stoves, ranges, and water heaters	do.		37,015	42,551	49,000	48,396	38,345		926	790	890	921	757
Kerosene cooking stoves and ranges	do.		220,762	98,257	90,990	125,365	113,209		1,839	978	957	1,241	1,036
Gasoline cooking stoves and ranges	do.				21,098	20,060	16,079				253	215	190
Parts of stoves and ranges	1,000 lbs.		5,862	3,867	4,342	4,737	3,816		1,197	842	879	1,041	868
House-heating boilers and radiators	1,000 sq. ft.				2,292	4,661	3,537	815	392	902	712	1,124	859
Oil burners and parts											984	1,453	1,796
Tools								15,914	16,959	16,481	17,474	17,658	11,699
Axes (broad and hand)	1,000 doz.	99	94	100	109	99	53	1,220	1,055	1,034	1,129	1,085	590
Hack-saw blades	1,000 gross					275	230	1,986	1,901	1,996	2,106	1,231	1,110
Shelf and hardware saws	thousands					613	338					639	409
Other saws, except hack saws												293	166
Augers and bits, woodworking	dozens		92,478	97,160	81,812	81,880	63,056	964	316	290	283	265	200
Files and rasps	1,000 doz.	[1] 1,998	2,151	2,375	2,639	2,356	1,782	2,575	2,674	2,804	3,100	2,767	2,046
Hammers and hatchets	do.	[1] 59	63	72	77	72	43	413	363	370	341	379	210
Hand hoes and rakes	thousands	[1] 379	400	278	341	328	247	[1] 173	167	119	138	138	95
Shovels and spades	1,000 doz.	[1] 48	41	41	36	32	22	497	432	417	358	340	218
Vises [16]	thousands	[5] 116	146	171	51	43	27	[5] 247	257	239	198	193	128
Automotive wrenches												1,107	264
Other wrenches (except automotive)								8,022	9,794	9,211	9,821	8,809	651
Mechanics' and other hand tools, n. e. s.												365	5,612

[1] Average for years 1922–1925.

[5] Average for years 1924–25.

[16] "Vises and clamps" prior to Jan. 1, 1928.

No. 548.—Exports of United States Merchandise, by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926	1927	1928	1929	1930	1921–1925	1926	1927	1928	1929	1930
GROUP 6.—METALS AND MANUFACTURES, ETC.—Con.												
D. Iron and steel, etc.—Continued.												
Hardware							8,495	8,825	7,820	8,502	9,831	7,294
Padlocks—1,000 doz		283	222	187	176	129		599	524	466	489	356
Door locks and lock sets—do		73	61	58	71	56	2,035	613	455	488	618	527
Cabinet and other locks—do		209	158	165	174	116		376	340	352	362	286
Hinges and butts, iron or steel—1,000 doz. prs		1,028	615	571	478	277	[1] 914	703	567	521	523	353
Other builders' hardware							[1] 1,801	1,834	1,555	1,619	1,934	1,411
Furniture hardware							[1] 355	409	401	377	478	355
Saddlery and harness hardware							[1] 332	295	215	204	153	105
Car and marine hardware							[1] 212	234	223	224	231	289
Other hardware							[1] 3,013	3,762	3,543	4,250	5,042	3,612
Needles, hand and machine—thousands	[1] 64,868	76,017	57,128	71,715	66,697	44,042	544	712	687	849	909	642
Sprocket and other power transmission chains—1,000 lbs	[1] 12,977	4,597	6,159	6,285	6,814	4,695	2,256	1,085	1,226	1,366	1,525	1,121
Other chains—do		12,847	9,248	8,719	10,326	6,903		1,681	1,287	1,112	1,420	890
Automatic scales (except coin operated)—number	[1] 112,934	14,502	13,628	13,580	11,869	11,006	2,049	931	1,108	1,072	848	751
Other scales and balances n. e. s.—do		105,086	107,511	135,034	130,044	99,243		1,187	1,217	1,307	1,487	1,015
Wood screws—1,000 gross	7,965	8,372	7,225	7,989	7,252	6,298	1,196	962	814	813	775	672
Other iron and steel manufactures							19,255	19,537	18,204	19,915	23,886	15,673
E. Ferro-alloys							439	818	1,076	861	1,013	940
Ferromanganese and spiegeleisen—tons of 2,240 lbs	3,008	693	1,641	9,440	1,574	6,189	118	44	62	233	59	146
Ferrotungsten, tungsten metal, and wire—pounds	[1] 6,050	29,380	20,143	16,641	102,834	29,979	[1] 106	156	165	123	325	222
Other ferro-alloying ores and metals—1,000 lbs	[2] 4,848	6,032	7,295	5,855	12,930	12,256	286	618	849	505	639	572
F. Nonferrous metals, except precious							173,488	200,555	216,134	227,375	238,814	145,625
Aluminum							6,538	9,194	14,108	12,102	11,897	10,898
Bauxite and other ores and concentrates—tons of 2,240 lbs	51,969	87,770	121,858	112,984	133,551	104,504	2,589	4,741	7,800	5,211	3,926	3,777
Ingots, scrap, and alloys—1,000 lbs	3,049	587	3,525	2,390	613	608	674	138	742	444	117	84
Plates, sheets, bars, strips, and rods—do	3,165	7,047	10,997	13,338	16,419	16,722	1,015	1,997	2,737	3,315	4,032	3,831
Tubes, moldings, castings, and other shapes—1,000 lbs	[1] 1,979	2,115	1,530	1,004	2,467	1,864	[1] 644	672	500	398	738	599
Table, kitchen, and hospital utensils							[1] 647	531	585	643	708	560
Other aluminum manufactures							1,227	1,115	1,764	2,091	2,375	2,047

Copper—1,000 lbs.[20]	876,676	965,685	1,076,729	1,125,019	898,475	753,293	129,760	141,204	150,214	169,831	183,405	105,342
Ores, concentrates, composition metal, and unrefined copper (copper content)—1,000 lbs.	686	5,465	7,236	3,833	5,579	179	95	612	785	508	936	19
Refined copper in ingots, bars, or other forms—1,000 lbs.	791,171	856,125	922,466	949,474	822,454	594,115	111,475	121,231	125,378	140,340	148,436	79,691
Old and scrap copper—do	4,852	19,426	45,418	55,467	37,635	33,886	601	2,178	5,128	6,994	5,676	3,744
Pipes and tubes—do	2,424	3,253	3,139	3,554	3,446	2,697	639	840	777	910	967	674
Plates and sheets—do	7,074	5,032	7,074	6,039	6,323	10,983	1,475	1,075	1,321	1,275	1,576	1,876
Rods—do	48,908	44,790	58,617	71,325	81,088	75,138	7,263	6,857	8,870	11,066	14,585	10,958
Wire—do	10,852	13,041	10,289	15,676	16,869	15,750	1,962	2,244	1,689	2,624	3,332	2,714
Insulated copper wire and cable—do	[1] 13,386	18,553	22,490	19,651	25,080	20,545	4,498	4,816	5,166	4,817	6,176	4,640
Other copper manufactures							1,753	1,350	1,099	1,297	1,720	1,026
Brass and bronze							11,084	13,674	17,616	17,618	17,503	12,997
Scraps and old[21]—1,000 lbs.	32,074	50,265	91,994	84,826	53,734	45,226	3,472	4,944	8,824	7,947	5,899	4,157
Ingots[21]—do					1,757	2,008						
Bars and rods[22]—do	4,501	3,291	2,618	1,995	3,574	3,151	836	553	410	395	268	266
Plates and sheets[22]—do		1,404	893	2,409	2,297	1,417		332	238	511	756	621
Pipes and tubes—do	[1] 2,572	3,557	3,433	4,261	5,205	4,634	700	922	788	1,076	574	344
Pipe fittings and valves—do	[1] 2,992	3,435	3,278	4,042	4,591	3,201	[1] 1,661	1,823	1,807	2,076	1,416	1,059
Hinges and butts of brass or bronze—doz. prs					31,766	26,187	[1] 359	815	764	671	2,466	1,850
Other hardware of brass or bronze											94	93
Plumbers' brass goods—1,000 lbs			713	969	1,077	984		232	394	541	881	588
Wire of brass or bronze—do		439	1,196	1,357	1,558	1,342	339	407	380	435	636	575
Brass wood screws—1,000 gross	1,064	1,267	623	599	591	413			158	157	546	428
Other brass and bronze manufactures							4,121	3,641	3,753	3,811	169	126
											3,799	2,890
Lead—1,000 lbs.	126,998	167,985	252,864	244,472	157,697	100,611	8,884	12,710	13,742	11,856		
In pigs, bars, etc—do	117,300	142,481	242,983	229,564	144,521	95,941	7,368	9,412	12,424	1,0210	8,707	4,511
From domestic ore—do	7,893	8,552	5,066	28,403	38,515	8,081	508	601	309	1,299	7,072	3,875
From foreign ore—do	109,407	133,929	237,917	201,161	106,006	87,860	6,860	8,811	12,115	8,911	1,913	375
Other lead manufactures—do	[1] 12,122	25,484	9,881	14,907	13,176	4,670	1,517	3,297	1,318	1,646	5,154	3,500
											1,635	636
Nickel—												
Nickel, monel metal, and alloys—do	3,203	1,599	2,108	2,349	2,870	2,839	604	420	601	880,	1,116	1,208
Manufactures							208	575	788	1,161	1,347	924
Tin—												
Bars, blocks, or pigs—1,000 lbs.	1,508	1,511	2,262	781	1,769	189	574	708	889	326	781	60
Manufactures—do							[2] 1,599	1,026	1,909	1,514	1,871	1,090
Zinc							9,119	13,146	9,456	4,794	3,649	1,777
Ore and concentrates[23]—tons of 2,240 lbs.	[14] 61,563	85,046	41,711	4,034	63		[14] 3,277	4,056	1,691	206	2	
Dross[23]—1,000 lbs.	20,870	20,922	8,902	6,297	6,980	2,324	901	1,101	296	241	217	57
Cast in slabs, plates, blocks, or pigs—do	92,236	85,669	91,279	50,513	28,688	9,265	6,349	6,358	6,028	3,008	1,871	450
Rolled in sheets, strips, etc—do	6,647	9,281	7,845	8,650	10,529	7,735	695	1,087	869	907	1,075	761
Dust—do	[1] 5,094	2,181	2,713	2,016	2,511	2,354	[1] 389	225	259	199	250	194
Other zinc manufactures—do	[1] 926	2,593	2,667	2,026	1,244	1,976	207	319	312	234	234	315

[1] Average for years 1922–1925.
[2] Average for years 1923–1925.
[14] 1925 only.
[20] Not including pounds of "other copper manufactures."
[21] Prior to 1925 data are "scrap and old fit only for manufacture."
[22] Prior to 1925 data are "ingots, plates, sheets, bars, and rods."
[23] For 1922–1924 data included for "dross" are "ores, concentrates, and dross."

No. 548.—Exports of United States Merchandise, by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926	1927	1928	1929	1930	1921–1925	1926	1927	1928	1929	1930
GROUP 6.—METALS AND MANUFACTURES, ETC.—Con.												
F. Nonferrous metals, except precious—Continued.												
Nickel silver, or German silver in bars, rods, or sheets, 1,000 lbs.	[1] 407	1,539	1,424	1,405	1,044	1,122	187	336	319	364	326	244
Babbitt metal, do.	1,239	1,337	1,654	1,692	2,254	1,291	342	465	598	564	654	335
Other metal and alloys, do.	[1] 1,388	2,104	2,923	6,805	8,332	7,208	[1] 560	859	1,035	1,547	1,525	1,604
Plated ware, other than gold or silver							888	1,031	1,026	893	1,044	767
Type, 1,000 lbs.	585	620	637	769	688	611	337	377	381	443	347	269
Other metal and metal composition manufactures, n. e. s.							3,490	4,223	3,491	3,482	4,641	3,599
G. Precious metals, jewelry, and plated ware, except gold and silver in ore, bullion, and coin							3,138	4,466	5,705	4,933	4,141	3,037
Platinum—												
Ingots, sheets, wire, alloys, and scrap, ozs. (troy)	5,593	11,573	19,923	9,050	2,567	1,037	589	1,254	1,578	619	193	62
Manufactures, except jewelry, do.	1,481	1,898	1,549	2,168	1,455	769	115	161	129	161	112	41
Jewelry							827	870	1,177	1,634	1,576	1,065
Gold and silver ware, except cutlery and jewelry—												
Silver plated—												
Tableware							946	237	237	288	315	194
Other articles								183	183	195	191	189
Gold-plated articles								490	487	336	249	175
Gold manufactures, n. e. s.							662	914	1,550	1,477	1,273	1,106
Silver manufactures, n. e. s.								357	364	224	232	205
GROUP 7.—MACHINERY AND VEHICLES												
Total							531,382	755,934	857,018	1,035,544	1,200,762	832,735
A. Electrical machinery and apparatus							68,838	84,853	89,060	96,536	130,063	118,260
Generators—												
Direct current—												
Under 500 kilowatts, number	[1] 8,462	4,062	2,754	3,593	3,622	2,804	4,149	960	871	1,231	1,297	744
500 kilowatts and over, do.		54	66	159	85	37		455	650	624	863	462
Alternating current—												
Under 2,000 kilovolt-amperes, do.		293	271	279	439	260		188	170	227	296	313
2,000 kilovolt-amperes and over, do.		30	34	20	13	23		1,273	1,098	394	312	664
Steam turbine generator sets, do.	[5] 444	841	1,179	1,124	537	1,361	[5] 436	1,412	1,822	856	1,024	1,597
Accessories and parts for generators							[1] 1,130	920	1,137	1,094	980	708
Arc welding sets, number						424						439
Self-contained lighting outfits, do.	[1] 2,764	4,411	5,153	4,015	3,930	2,667	[1] 727	1,151	1,340	1,116	1,191	846

Batteries—												
Flashlight batteries, thousand cells	[1] 8,600	16,108	23,438	34,440	53,675	71,829	3,940	1,674	2,250	2,941	3,466	3,618
Radio B and C batteries (dry), do		6,101	6,471	7,971	1,939	8,943		2,020	2,429	2,750	1,033	578
Other batteries, n. e. s., thousands					5,305	746					1,707	267
Storage batteries, do		282	302	338	353	399		3,443	3,673	3,401	3,475	3,109
6-volt storage batteries, do						263						1,815
Other storage batteries, thousand cells						136						1,294
No. 6 dry-cell batteries, thousands						2,439						577
Transforming or converting apparatus—												
Power transformers, 500 kilovolt amperes and over, number	[1] 58,556	2,415	3,321	2,327	2,487	876	5,199	2,231	1,556	1,197	1,351	2,010
Distribution transformers, less than 500 kilovolt-amperes, number				5,257	7,313	8,008				829	1,298	1,864
Instrument transformers, do				1,023	2,895	4,995				91	155	237
Other transformers, do		42,411	43,154	52,532	95,750	67,256		1,266	1,051	893	1,451	1,178
Battery chargers under 15 amperes, do				60,356	40,605	14,360				289	235	149
Rectifiers, double current and motor generators, dynamotors, synchronous, and other converters, number	[1] 50,865	65,486	94,482	14,799	6,587	4,481	[1] 1,122	1,557	1,729	1,129	1,278	1,152
Transmission and distribution apparatus—												
Switchboard panels, except telephone, number	[1] 5,538	4,230	3,813	4,343	3,398	4,836	4,246	2,103	1,628	1,619	1,183	2,156
Switches and circuit breakers over 10 amperes, thousands		341	390	388	457	251		2,618	1,987	1,758	2,259	2,390
Fuses, do	[1] 2,914	4,035	3,994	5,366	5,714	4,696	[1] 284	352	370	438	574	377
Watt-hour and other measuring meters, number	[1] 185,927	47,393	45,360	102,474	125,888	63,641	1,969	493	419	994	1,268	726
Volt, watt, and ampere meters, and other recording, indicating, and testing apparatus, number		240,222	249,784					2,152	2,139			
Electrical indicating instruments, do				58,605	55,972	78,388				453	701	835
Electrical recording instruments, do				6,151	4,092	7,061				216	326	447
Other electrical testing apparatus										873	1,048	920
Lightning arresters, choke coils, reactors, and other protective devices, number	[1] 80,045	82,126	87,821	78,867	113,747	71,113	[1] 730	709	726	782	995	851
Motors, starters, and controllers—												
Motors ⅛ horsepower and under, do	[1] 101,750	95,028	114,036	113,507	146,415	143,236	7,531	2,000	2,614	2,122	2,699	2,413
Motors over ⅛ and under 1 horsepower, number				25,551	23,067	22,022				835	778	658
Stationary motors—												
1 to 200 horsepower, do		22,084	22,817	19,859	24,210	19,464		3,207	3,068	2,872	4,251	3,392
Over 200 horsepower, do		263	132	158	173	264		884	402	387	398	695
Railway motors, do		1,282	922	513	328	217		1,127	915	598	304	199
Electric locomotives—												
Railway, do	116	34	18	107	71	33	1,914	1,841	690	1,058	656	866
Mining and industrial, do		144	124	78	102	137		759	631	471	466	736
Other motors							116					
Station and warehouse electric motor trucks, number	223	175	240	202	115	167	162	178	196	178	[2] 187	279

[1] Average for years 1922–1925.

[2] Average for years 1924–1925.

No. 548.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926	1927	1928	1929	1930	1921–1925	1926	1927	1928	1929	1930
GROUP 7.—MACHINERY AND VEHICLES—Con.												
A. Electrical machinery and apparatus—Continued.												
Motors, starters, and controllers—Continued.												
Starting and controlling equipment—												
For industrial motors							1,338	1,395	1,152	1,523	2,028	1,651
For electric railway and vehicle motors								203	247	238	204	160
Portable electric tools—number		14,173	23,180	29,524	27,922	21,562		549	935	1,301	1,364	1,266
Accessories and parts for motors							[1] 1,709	2,181	2,410	2,542	3,494	2,410
Electric household refrigerators—number			2,588	35,712	62,067	56,658			3,685	6,469	9,945	8,236
Electric commercial refrigerators up to 1 ton—do						10,900						2,061
Thermodynamic refrigerators—do						32						5
Electric appliances—												
Electric fans—number	64,008	65,600	74,063	66,193	84,930	92,714	978	948	1,005	938	1,187	1,052
Electromechanical health exercisers—do						4,021						124
Electric lamps—												
Metal filament—thousands	6,668	8,853	9,843	11,361	8,732		1,565	1,603	1,538	1,465	1,311	
For automobiles, flashlights, and Christmas trees—thousands						3,110						194
Other metal filament bulbs—do						5,342						1,017
Other electric lamp bulbs—do	564	1,172	2,427	3,097	3,018	588	262	281	440	595	635	268
Flashlight cases—do	[1] 894	2,165	2,718	2,971	3,157	1,879	[1] 716	2,058	2,474	2,528	2,589	1,386
Searchlights and floodlights—number	[1] 12,319	17,487	19,970	16,444	20,429	16,036	[1] 397	574	874	640	572	517
Motor-driven household devices—												
Electric washing machines—number		14,726	19,579	27,173	28,896	26,265	[2] 189	954	1,344	1,823	2,000	1,710
Electric vacuum cleaners—do				60,263	69,897	95,268				1,308	1,489	1,724
Other motor-driven devices, except tools—number	[3] 34,248	75,239	94,538	27,201	32,762	28,449	[1] 900	1,744	2,312	358	1,129	820
Electric flatirons—do				141,799	157,055	124,606				362	380	275
Domestic heating and cooking devices—												
Electric cooking ranges—thousands	[1] 323	581	474	10	6	6	1,132	1,722	1,558	294	354	444
Other domestic heating and cooking devices—thousands				293	301	292				931	1,008	1,010
Industrial electric furnaces and ovens—number	[1] 1,812	1,700	2,069	2,249	2,706	4,556	[1] 236	253	532	456	485	863
Therapeutic apparatus, X-ray machines, galvanic and faradic batteries, etc							[1] 982	1,478	1,660	1,780	1,947	1,597
Signal and communication devices—												
Radio apparatus—												
Transmitting sets and parts							[1] 5,570	556	401	769	1,940	1,144
Receiving sets—number		69,482	75,839	96,341	200,936	245,192		2,874	2,961	4,550	9,776	11,550
Tubes—thousands		665	722	553	1,233	1,774		868	1,004	1,018	1,997	2,363
Receiving-set components								2,016	2,306	3,054	4,419	4,375
Loud speakers—thousands					243	221		2,481	2,510	2,671	2,289	1,636
Other receiving set accessories											2,700	2,006

Telegraph apparatus							606	1,018	1,037	866	1,071	764
Telephone apparatus—												
Telephone instruments, number		27,355	27,279	30,978	62,920	34,170		437	356	433	931	526
Telephone switchboards, do		906	1,042	1,096	2,575	1,151	3,603	2,219	727	400	1,626	953
Other telephone equipment								2,468	2,721	2,495	3,961	3,895
Bells, buzzers, annunciators, and alarms							[1] 123	296	319	364	402	355
Other electrical apparatus—												
Spark plugs, thousands				4,550	6,825	6,356				1,417	2,098	1,702
Other starting, lighting, and ignition equipment							1,744	1,904	2,007	1,080	1,846	1,366
Insulating material, 1,000 lbs	[1] 4,509	4,818	5,223	5,399	6,828	5,501	[1] 1,352	1,380	1,361	1,349	1,495	1,123
Metal conduit, outlet, and switch boxes, 1,000 lbs	[1] 6,010	10,762	10,875	14,768	16,702	14,665	536	1,164	1,038	1,331	1,549	1,209
Sockets, receptacles, and lighting switches, thousands	[1] 4,697	7,789	10,441	12,809	11,709	9,855	[1] 1,110	1,718	1,803	1,931	2,129	1,800
Electric interior lighting fixtures								1,860	1,902	2,092	2,617	2,159
Electric street lighting fixtures							1,886			575	623	502
Other wiring supplies and line material								1,164	1,358	1,074	1,447	1,549
Other electrical apparatus, n. e. s							12,032	7,423	7,491	8,299	13,474	10,042
B. Industrial machinery							166,526	178,602	196,427	218,334	267,819	228,291
Power-generating, except electric and automotive							30,901	28,353	25,463	23,983	29,091	19,302
Steam engines—												
Stationary, except turbines, number	703	498	593	335	359	173	718	524	726	490	399	175
Mechanical-drive turbines, do	[1] 124	80	78	68	113	95	[1] 997	782	634	426	382	443
Locomotives, do	467	271	228	193	207	47	11,891	5,113	5,327	3,182	4,767	673
Locomotive parts and accessories							5,840	3,934	3,784	2,856	1,877	1,218
Other engines and parts											926	572
Steam boilers, fire tube, 1,000 sq. ft.[24]	[1] 717	781	787	232	297	202	2,263	1,805	1,744	470	684	517
Steam boilers, water tube, do				422	573	355				929	1,407	724
Condensers, heaters, accessories							[1] 391	646	668	632	1,071	807
Steam specialties—injectors, gauges, safety valves, steam traps, boiler-tube cleaners, etc							[1] 1,603	1,908	2,043	1,955	2,796	1,952
Internal-combustion engines—												
Stationary and portable engines—												
Gasoline locomotives, number	[14] 253	326	225	343	389	173	[14] 315	607	541	940	1,071	531
Diesel and semi-Diesel, do	[1] 1,068	894	684	937	904	301	[1] 528	1,587	1,167	1,247	1,261	992
Other—												
Not over 10 horsepower [25], do	27,262	33,357	29,009	39,559	35,651	24,209	4,031	3,177	2,585	3,312	3,067	1,834
Over 10 horsepower [25], do		2,842	2,738	4,760	4,494	4,105		2,575	1,605	2,016	2,346	2,302
Marine engines, Diesel and semi-Diesel, number	[1] 282	1,009	720	600	1,189	906	[1] 377	1,169	1,207	1,286	2,416	2,310
Engine accessories and parts (carburetors)							[1] 3,422	4,273	3,219	3,502	4,265	3,329
Water wheels and water turbines, number	[1] 237	106	62	76	65	54	[1] 302	254	212	740	356	763
Construction and conveying machinery							9,155	17,047	19,127	22,791	26,485	25,490
Excavators, incl. power shovels, number	[1] 139	268	410	489	648	552	1,631	3,352	4,842	5,655	7,296	8,079
Excavator parts and accessories							[14] 893	1,153	1,783	2,100	2,490	2,660

[1] Average for years 1922-1925. [5] Average for years 1924-25. [14] 1925 only. [24] Heating surface. [25] "Not over 8 horsepower" and "over 8 horsepower" prior to 1925.

No. 548.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926	1927	1928	1929	1930	1921–1925	1926	1927	1928	1929	1930
GROUP 7. MACHINERY AND VEHICLES—Contd.												
B. Industrial machinery—Continued.												
Construction and conveying machinery—Con.												
Dredging machinery							[1] 593	1,225	550	821	925	1,101
Concrete mixers—number	[1] 861	1,211	2,007	1,932	2,172	1,296	629	737	1,131	1,106	1,402	844
Road rollers—do		217	142	184	109	101		393	380	499	309	309
Road graders—do						935	980			614	897	1,047
Other road-making equipment								1,291	1,839	1,688	1,934	1,897
Other construction equipment										25	34	22
Cranes with swinging booms—number	[1] 233	79	91	102	129	138	[1] 888	874	935	1,277	1,119	818
Other cranes—do		193	249	372	332	246	[1] 1,088	770	928	1,043	850	756
Mono-rail hoists—do				177	197	92		815	710	1,443	1,909	1,420
Other hoists—do	[1] 4,704	7,209	6,810	8,138	9,223	6,994	[1] 886	1,237	1,156	1,295	1,401	1,329
Derricks, except mining—do				195	277	161				439	541	300
Elevators, freight and passenger—do		468	552	709	925	470		938	1,072	1,220	1,387	952
Conveyors, bucket, chain, or belt—do		1,345	1,575	1,692	1,171	913	2,969	454	428	632	466	586
Other conveying equipment								3,803	3,375	2,935	3,527	3,370
Mining, well, and pumping machinery							24,783	38,350	38,581	38,963	54,449	48,550
Mining and quarrying machinery—												
Coal cutters—number	[5] 78	181	193	104	95	111	[5] 206	635	645	440	311	436
Rock drills—do	[1] 6,108	8,527	10,565	11,375	13,644	8,684	[1] 1,065	1,506	1,885	2,023	2,254	1,478
Mine hoists and derricks—do	[1] 228	294	713	1,006	1,523	1,295	[1] 248	294	468	783	1,152	815
Ore crushing and sorting							[1] 1,793	4,048	3,110	3,131	4,262	4,094
Concentrating and smelting							[1] 442	1,164	791	586	1,222	1,085
Other mining and quarrying							6,058	7,211	6,290	7,097	8,753	7,876
Well and refinery machinery—												
Oil and gas well-drilling apparatus							7,762	8,292	8,477	8,118	9,081	9,627
Other oil-well and oil-refinery								7,014	8,365	8,074	14,822	13,196
Other well-drilling apparatus											1,102	995
Pumping equipment—												
Centrifugal pumps—number		2,669	3,717	5,794	6,114	5,252		742	969	1,495	2,145	1,554
Steam pumps—do		6,328	6,211	6,549	8,330	4,807		1,494	1,764	1,430	2,265	1,486
Other reciprocating power pumps—do		20,245	23,128	18,393	20,152	18,423	8,038	3,037	2,818	2,513	2,614	2,306
Hand and windmill pumps—do		96,235	103,755	107,289	73,498	54,099		898	763	756	754	526
Other pumps and parts of pumps								2,017	2,235	2,516	3,713	3,077
Power-driven metal-working machinery							[26] 13,814	14,316	20,391	27,421	33,439	35,439
Engine lathes—number	[1] 1,059	288	716	797	879	1,053	1,726	635	1,563	1,600	1,928	2,206
Turret lathes—do		156	279	434	522	404		326	846	1,110	1,405	1,402
Other lathes—do		622	444	840	948	657		759	913	1,721	1,856	1,241

Vertical boring mills and chucking machinery—number		87	136	113	208	315		191	345	290	452	684
Thread-cutting and automatic screw machines—number	[1] 886	827	895	822	1,054	660	[1] 630	727	963	1,152	1,552	969
Knee and column type milling machines—number	[1] 540	209	241	321	537	314	[1] 778	454	472	811	1,290	894
Other milling machines—do		373	486	680	681	679		505	1,061	1,489	1,290	2,180
Gear-cutting machines—do	[1] 378	199	401	404	434	398	[1] 390	444	905	1,095	1,331	962
Vertical drilling machines—do		319	343	517	395	456		252	332	493	425	575
Radial drilling machines—do		71	95	132	142	156		132	215	341	355	334
Other drilling machines—do		1,912	1,377	1,241	2,051	1,544		319	385	694	702	1,128
Planers and shapers—do	[1] 233	572	403	398	482	322	[1] 354	314	662	762	911	964
Grinding machines—												
Surface—do					288	174					327	321
External cylindrical—do		505	711	945	824	509		899	1,648	2,173	1,866	1,357
Internal—do		240	467	462	468	311		473	1,100	921	1,190	967
Tool grinding, cutter grinding, and universal—number		880	679	727	1,416	1,568	1,588	322	388	508	656	753
Other metal-grinding machines								364	702	798	1,057	1,106
Sheet and plate metal-working machines								1,299	1,490	2,773	3,330	4,610
Forging machinery								1,059	1,109	955	1,764	1,847
Rolling-mill machinery								402	542	634	1,658	1,187
Foundry and molding equipment							[1] 516	891	1,061	1,351	2,035	3,589
Other power-driven metal-working machinery and parts							[26] 8,367	3,544	3,687	5,751	5,790	6,204
Other metal-working machinery							[1] 3,127	4,550	4,989	6,703	7,365	6,516
Pneumatic portable tools—number	[1] 12,254	17,743	20,092	21,824	24,736	18,511	[1] 813	1,278	1,575	1,704	2,034	1,479
Other portable and hand or foot operated metal-working machines and parts								603	651	1,017	1,222	990
Chucks for machine tools—number	[1] 23,782	17,615	15,640	19,324	20,706	21,441	[1] 295	230	220	244	288	214
Drills and reamers									639	650	889	841
Taps, dies, screw plates, and pipe stocks							[1] 2,018	2,439	902	1,798	1,722	1,813
Other metal-working tools									1,001	1,281	1,211	1,179
Textile, sewing, and shoe machinery							23,690	21,938	23,863	24,818	27,834	18,425
Textile machinery							12,588	10,400	11,466	12,857	13,657	8,661
Full-fashioned hosiery knitting machines, power driven—number						85						455
Circular hosiery knitting machines—number		7,062	8,331	8,953	5,785	2,215		2,803	3,448	3,751	2,602	1,075
Other circular knitting machines—do		1,279	1,946	1,839	1,348	746		634	840	784	630	399
Other knitting machines and parts							[1] 3,211	1,025	1,206	1,429	2,143	1,169
Textile winding machines—number						1,091						360
Cotton spinning and twisting machines							[2] 456	543	523	454	565	542
Cotton looms—number					2,489	414	511	698	518	603	633	173
Other cotton machinery							[3] 1,041	837	529	544	1,127	888

[1] Average for years 1922–1925.
[2] Average for years 1923–1925.
[3] Average for years 1924–25.
[14] 1925 only.
[26] All metal-working machinery is included prior to 1922.

No. 548.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926	1927	1928	1929	1930	1921–1925	1926	1927	1928	1929	1930
GROUP 7.—MACHINERY AND VEHICLES—Contd.												
B. Industrial machinery—Continued.												
Textile, sewing, and shoe machinery—Con.												
Textile machinery—Continued.												
Wool carding and weaving machinery							[1] 267	286	268	342	346	218
Silk machinery							[1] 254	162	354	599	826	768
Other textile and textile finishing machinery							[1] 3,244	3,413	3,780	4,260	4,784	2,614
Sewing machines—												
For domestic use—number	[1] 246,151	214,947	171,360	166,837	196,070	116,898	8,210	5,560	4,595	4,356	5,439	3,128
For factory or industrial use—do		42,483	65,625	62,128	70,033	49,145		3,123	4,369	4,250	4,886	3,644
Sewing-machine parts							[1] 1,861	1,492	1,715	1,615	1,864	1,314
Shoe machinery, except sewing							1,404	1,353	1,718	1,740	1,988	1,678
Other industrial machinery							61,681	54,056	64,012	73,657	89,157	74,515
Cigarette, cigar-making, and other tobacco machinery										1,208	1,296	1,635
Bakery machinery and parts									487	1,070	1,002	789
Flour-mill and gristmill							1,135	863	626	582	686	478
Rice-mill machinery							[1] 187	247	227	214	197	139
Sugar-mill machinery—												
Cane mills—number		3,634	3,338	3,188	3,166	1,782	8,405	365	390	638	721	287
Other sugar-mill machinery								3,677	5,433	4,053	3,716	4,029
Paper and pulp-mill machinery							2,134	3,846	3,823	3,067	3,917	3,511
Sawmill machinery							740	966	800	921	941	758
Planers, matchers, jointers, and molders—number	[14] 188	275	242	209	237	77	[14] 198	267	275	222	285	126
Other woodworking machinery and parts							1,571	1,200	1,485	2,062	2,522	1,776
Veneer machinery												80
Blowers and ventilating machinery							[2] 514	836	847	1,260	2,163	1,726
Bottling and bottle-washing machinery											1,834	1,437
Brewers' machinery							638	946	1,022	1,283	1,026	630
Ice-making equipment								747	761	820	722	830
Refrigerating equipment—							2,150					
Up to 1 ton capacity [27]								3,620	2,215	1,330	1,815	1,440
Over 1 and up to 10 tons capacity [27]											1,401	921
Over 10 tons refrigerating capacity								692	787	912	917	922

Oil-mill machinery							[1] 323	894	983	775	974	703
Cotton gins, cotton presses, and parts							506	692	368	573	478	338
Ball and roller bearings, and parts 1,000 lbs.	[1] 2,464	2,235	2,309	4,176	4,296	4,444	[1] 1,485	1,691	1,805	2,326	3,236	3,260
Air compressors—												
Capacity up to 25 cubic feet number	[1] 5,790	7,869	12,669	12,887	14,018	9,711	3,120	1,098	1,354	1,201	1,272	884
Capacity over 25 cubic feet do		2,744	3,920	4,064	5,413	3,679		3,567	4,519	5,536	6,317	4,721
Meat and other grinding and slicing machines number			92,032	14,983	10,091	8,775			942	1,118	1,004	913
Paint-spraying equipment										593	781	638
Laundry machinery—												
Power-driven laundry machines for commercial laundries do		2,274	1,980	2,348	3,822	2,531	1,392	1,210	1,456	1,274	2,034	1,443
Other laundry and dry-cleaning equipment								1,003	1,102	2,040	2,780	1,975
Gas meters number	[1] 34,062	23,769	22,663	25,337	25,020	18,099	590	273	332	320	404	303
Water meters do		24,841	30,445	27,984	21,898	44,534		404	534	477	390	469
Iron or steel body valves for steam, water, oil, and gas thousands				195	343	208				2,470	4,521	3,865
Other parts, n. e. s							37,357	24,952	31,439	35,311	39,805	33,489
C. Office appliances							23,466	36,311	44,094	48,469	53,754	42,218
Accounting and calculating machines—												
Billing and bookkeeping machines number	20,933	8,484	11,483	12,325	11,581	8,851	4,451	3,357	5,078	6,236	6,421	5,463
Listing-adding-bookkeeping do			4,808	7,308	4,272	1,920			2,203	3,884	2,872	1,765
Typewriter-bookkeeping-billing do			6,675	5,017	7,309	6,931			2,875	2,352	3,549	3,698
Nonlisting adding machines do			1,271	2,273	3,540	1,064			110	121	263	91
Listing-adding machines do		20,030	33,754	38,033	36,211	29,134		2,195	3,130	3,786	3,546	2,785
Calculating machines do		11,383	11,237	13,814	14,886	10,834		1,730	1,767	2,335	2,762	2,120
Card punching, sorting, and tabulating machines number		1,500	1,371	1,356	1,376	1,591		1,144	1,116	1,119	869	1,035
Other, including used and rebuilt do		2,570	3,743	5,346	3,340	4,319		275	273	282	259	290
Duplicating machines, parts and supplies for							[1] 450	431	594	569	811	873
Cash registers number	17,269	27,644	35,498	38,264	43,680	35,826	3,436	5,139	6,794	7,475	9,525	7,579
Parts of cash registers							359	522	622	673	1,080	933
Typewriters number	[1] 254,463	328,852	378,108	390,539	425,243	319,970	14,192	18,199	20,856	21,011	22,843	16,683
Standard typewriters, new do	[14] 205,407	202,122	216,338	212,959	229,190	158,421	[14] 14,010	13,734	14,034	14,627	15,771	10,963
Portable typewriters, new do	[14] 85,602	98,456	123,953	132,291	146,193	117,272	[14] 3,087	3,582	4,700	4,987	5,491	4,385
Used and rebuilt typewriters do	[14] 27,315	28,274	37,817	45,289	49,360	44,277	[14] 924	883	1,221	1,398	1,581	1,335
Typewriter parts							[1] 834	891	1,011	949	1,269	1,099
Other office appliances								2,429	2,743	3,914	4,105	3,262
D. Printing machinery							9,606	14,276	15,246	16,579	19,061	15,323
Typesetting machines number	[1] 1,249	1,279	1,312	1,446	1,727	1,120	3,641	3,740	4,504	4,947	5,770	3,960
Printing presses do	[1] 2,724	2,518	2,972	2,931	3,005	2,567	5,282	6,232	6,251	6,156	6,472	4,836
Bookbinding machinery and accessories												433
Other printing and typesetting machinery and accessories							[5] 1,705	4,303	4,491	5,476	6,819	6,094

[1] Average for years 1922–1925. [2] Average for years 1923–1925. [5] Average for years 1924–25. [14] 1925 only.
[27] 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.

No. 548.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926	1927	1928	1929	1930	1921–1925	1926	1927	1928	1929	1930
GROUP 7—MACHINERY AND VEHICLES—Contd.												
E. Agricultural machinery and implements							51,913	85,499	90,747	116,651	140,801	115,309
Bee-keeping equipment											130	100
Cream separators—number	8,551	14,843	8,227	12,367	12,420	14,596	406	803	429	797	700	879
Other dairy machinery and parts							[1] 902	1,325	1,342	1,504	1,769	1,336
Incubators and brooders—number	[1] 11,216	21,599	28,956	31,099	30,757	26,934	237	444	668	735	879	868
Other poultry equipment, n. e. s.										187	252	285
Implements of cultivation—												
Horse and power plows—do	[1] 242,067	179,262	164,296	183,021	244,882	151,269	6,162	5,542	5,321	6,006	8,169	6,096
Harrows—do		27,617	29,354	31,371	51,072	23,536		1,440	1,484	1,811	2,617	1,437
Cultivators, horse and power—do		59,635	55,173	55,494	69,292	54,418		1,120	818	960	1,506	1,279
Planters, horse and power—do	[1] 18,568	11,359	3,451	5,860	11,706	24,102	1,141	551	164	250	494	977
Drills and seeders, horse and power—do		16,287	20,237	15,891	24,424	16,355		1,571	1,955	1,574	2,651	1,290
Sprayers and dusters—do	[14] 36,233	57,409	55,983	83,269	59,533	537,581	[14] 255	296	483	435	335	479
Other cultivating implements and parts							[1] 3,241	4,378	4,506	4,702	6,030	3,964
Harvesting machinery—												
Mowers, except lawn—number	[1] 68,724	19,319	14,362	14,120	13,400	9,218	2,813	1,211	883	835	863	580
Lawn mowers, hand and power—do		119,831	85,818	117,950	103,167	77,685	[28] 543	875	727	949	848	557
Hayrakes and tedders—do	[1] 10,388	7,718	5,611	10,820	9,810	7,272	389	274	204	363	389	343
Grain harvesters and binders—do	[1] 29,503	45,258	27,280	22,576	21,378	14,630	[1] 4,738	7,874	4,640	4,472	4,191	2,821
Combines (reapers, threshers)—do	[14] 1,720	4,444	4,705	7,317	10,887	6,573	[14] 1,028	3,165	5,476	10,449	15,536	9,024
Other harvesting implements and parts							[1] 3,292	3,706	2,963	4,053	5,837	3,956
Seed separators—												
Threshers—number	[1] 5,175	5,590	4,717	6,046	2,806	1,414	4,785	5,156	4,644	5,723	2,560	1,482
Corn shellers—do	[1] 10,626	15,160	14,557	21,272	17,851	10,870	[1] 212	344	199	297	363	197
Other separators and parts							[1] 1,158	2,404	1,928	2,024	1,051	572
Feed cutters, grinders, and crushers—number	[1] 2,910	4,861	8,394	8,905	8,554	5,875	[1] 165	249	282	393	427	361
Wheel tractors—do	22,965	49,984	56,562	53,993	54,353	44,774	14,312	28,282	34,540	44,360	49,108	44,188
Track-laying tractors—do		1,258	1,713	3,169	5,802	5,122		2,204	3,211	5,047	11,275	12,445
Track-laying tractors less tracks—do				703	648	244				1,162	1,390	639
Engines for tractors—do		2,251	1,263	642	842	279		1,197	494	213	286	122
Parts and accessories for tractors							2,559	5,614	7,443	9,612	13,165	14,494
Windmills—number	[1] 11,553	17,807	21,695	25,151	32,492	13,657	1,105	1,193	1,428	1,584	1,787	853
Towers and parts of windmills, except pumps							[1] 528	656	892	776	956	508
Hay presses, hand and power—number	[1] 1,022	881	769	1,205	1,190	599	[1] 252	244	250	350	342	190
Other agricultural machinery, implements, and parts							5,831	3,382	3,371	4,025	4,893	3,400
F. Automobiles and other vehicles							211,034	356,393	421,444	538,973	589,264	312,634
Automobiles, parts, and accessories							177,104	320,179	388,528	500,177	539,298	277,425

Electric trucks and passenger cars.....number	[1] 202	108	114	138	170	34	[1] 280	156	207	178	248	62
Motor trucks and busses, and chassis, except electric.....number	25,952	66,880	105,447	138,768	196,760	84,512	18,165	47,176	70,123	91,381	111,435	55,856
Up to 1 ton.....do	[1] 23,752	52,184	85,674	104,666	151,012	35,374	[1] 9,610	24,034	40,777	51,344	65,235	17,845
Over 1 to 2½ tons.....do	[1] 5,572	12,414	17,517	30,996	42,418	44,880	[1] 7,102	16,025	22,686	32,201	37,646	29,117
Over 2½ tons.....do	[1] 1,246	2,282	2,256	3,106	3,330	4,258	[1] 3,411	7,067	6,661	7,816	8,554	8,894
Passenger cars and chassis, except electric.....number	124,092	238,540	278,748	368,329	339,447	153,069	94,339	176,432	207,966	263,576	234,291	105,979
Factory list price—												
Low price range, up to $1,000 [20].....do	[1] 96,682	165,293	153,484	280,440	254,218	111,455	[1] 47,274	84,209	73,671	149,986	129,772	55,545
Medium price range over $1,000 up to $2,000 [20].....number	[1] 47,300	67,493	115,882	76,335	75,257	36,292	[1] 52,968	76,598	111,726	85,732	80,870	37,733
Over $2,000.....do	[1] 3,396	5,754	9,382	11,554	9,972	5,322	[1] 9,473	15,625	22,570	27,857	23,650	12,701
Parts of, except tires—												
Automobile engines—												
For motor trucks and busses.....do	54,420	4,265	5,422	16,244	8,331	19,489	6,355	586	678	1,651	1,155	1,635
For passenger cars.....do		114,228	91,631	108,061	87,072	41,106		11,940	10,208	11,375	9,061	3,991
Automobile parts for assembly								38,535	41,295	62,421	107,673	51,200
Automobile and truck springs											873	770
Automobile parts for replacement, n. e. s.							58,081	36,075	50,177	60,334	65,157	42,330
Automobile accessories								9,279	7,874	9,281	9,406	5,544
Automobile shock absorbers and stabilizers.....number				500,551	308,968	245,302				1,254	769	452
Automobile bumpers.....do				67,891	39,714	15,932				344	198	62
Automobile horns, hand and electric.....do					134,792	116,374					383	267
Other accessories, n. e. s.										7,683	8,056	4,763
Automobile service appliances, n. e. s.							[2] 3,117	6,862	6,998	7,366	7,531	5,879
Automobile tire-service equipment										1,135	887	573
Pumps for gasoline and oil.....number				97,706	127,632	66,937				3,972	3,282	2,180
Other service appliances										2,259	3,382	3,126
Automotive fire engines.....number	[2] 95	41	47	54	50	17	[2] 169	136	123	224	146	45
Trailers.....do	[1] 654	1,002	928	854	1,039	1,322	[1] 264	347	419	396	477	648
Airplanes, seaplanes, and other aircraft.....do	54	50	63	162	348	321	341	303	849	1,760	5,485	4,820
Engines for aircraft.....do	[1] 112	297	84	179	322	376	[1] 132	574	485	665	1,383	1,635
Aircraft parts and accessories, except tires							150	150	570	1,240	2,258	2,363
Cycles—												
Bicycles.....number	[1] 14,591	5,344	4,832	5,089	6,108	3,746	463	151	129	134	141	99
Motor cycles.....do	17,759	22,670	19,469	18,934	16,265	10,262	4,386	4,916	4,374	4,403	3,711	2,410
Parts and accessories, except tires							[1] 1,637	1,707	1,312	1,472	1,132	955
Motor boats with engines installed.....number	135	212	296	455	560	497	405	562	510	755	1,182	819
Internal-combustion marine engines, except Diesel—												
Detachable motors (outboard).....number	5,038	5,165	6,541	10,479	11,321	7,241	1,199	576	807	1,484	1,790	1,058
Other.....do		3,147	2,672	2,987	4,127	2,142		1,145	1,249	1,613	2,126	1,171

[1] Average for years 1922–1925.
[2] Average for years 1923–1925.
[14] 1925 only.
[23] Average for years 1921, 1922, and 1925.
[20] Up to $800 and $800 up to $2,000, respectively, prior to Jan. 1, 1928.

No. 548.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926	1927	1928	1929	1930	1921–1925	1926	1927	1928	1929	1930
GROUP 7.—MACHINERY AND VEHICLES—Contd.												
F. Automobiles and other vehicles—Continued.												
Railway cars—												
Passenger service—												
Electric railway—number	[3] 1,187	39	91	94	95	19	[3] 1,584	674	632	1,026	750	205
Steam railway—do	143	249	216	275	315	107	1,347	1,324	1,605	1,480	2,887	493
Self-propelled railway and tram cars—do					386	468					155	654
Freight cars—do	6,654	4,403	2,723	3,683	3,854	2,918	8,276	3,904	2,539	3,938	5,916	4,939
Mine cars—do	[1] 1,916	1,487	1,437	1,325	2,038	1,084	[1] 420	367	278	332	801	244
Air-brake equipment							[1] 698	1,224	1,161	1,121	979	666
Parts, except axles and wheels							5,506	5,077	3,766	3,370	5,397	2,817
Railway signals and attachments							[1] 796	505	775	713	1,240	959
Wagons and drays—number	8,389	5,489	4,624	7,051	5,554	2,138	705	657	421	501	541	293
Wheelbarrows—do	[1] 92,965	110,699	110,934	101,242	96,369	46,548	600	479	446	385	378	177
Pushcarts and hand trucks—do		12,434	12,005	15,550	11,000	11,040		232	231	301	221	247
Wheels, except automobile and car—thousands	[1] 184	199	100	102	95	62	[1] 204	290	253	292	276	172
Other vehicles and parts							3,618	4,050	2,986	3,776	3,004	1,638
GROUP 8.—CHEMICALS AND RELATED PRODUCTS												
Total							107,564	125,222	132,251	137,331	152,109	128,029
A. Coal-tar products							9,800	14,093	17,097	14,113	18,061	17,920
Crudes—												
Benzol—1,000 galls	9,730	19,137	25,794	21,338	33,346	44,600	2,501	5,513	6,665	4,963	8,537	9,566
Crude coal tar and coal-tar pitch—1,000 bbls [7]	217	216	673				701	883	3,256			
Crude coal tar—do				138	109	87				581	389	274
Coal-tar pitch and coal-tar pitch coke—tons of 2,240 lbs				38,354	21,399	39,099				608	288	379
Other crude distillates—1,000 lbs	[1] 12,345	25,368	14,201	16,090	18,532	15,810	412	663	438	458	625	479
Intermediates—do	1,694	1,750	2,418	2,790	2,809	2,313	306	340	348	316	418	306
Finished products—												
Package dyes for household use—do				265	298	271				195	223	193
Other colors, dyes, stains—do	[1] 16,948	25,812	26,771	27,559	33,832	27,996	5,302	5,950	5,495	6,336	7,056	6,053
Medicinals—do	[1] 452	733	655	792	183	934	[1] 290	387	329	321	185	189
Other finished products—do	[1] 4,094	1,746	4,134	2,106	1,510		[1] 446	357	565	335	339	481
B. Medicinal and pharmaceutical preparations							16,061	19,677	20,103	20,522	21,282	17,610
Milk of magnesia—1,000 lbs					691	663					294	272
Castor oil—gal					85,331	75,735					151	115
Cod-liver oil—do					46,070	42,838					117	85
White mineral oil—do				210,083	260,489	374,590				172	450	491
Biologics (antitoxins, serums, vaccines, etc)							[1] 781	1,439	1,730	1,886	2,530	2,593

Druggists nonproprietary preparations							[1]15,831	18,238	18,374	18,464	17,740	3,367
Household pharmaceuticals in small packages												760
Proprietary medicinal preparations												9,928
C. Industrial chemical specialties							4,803	7,217	9,366	14,581	14,457	14,809
Nicotine sulphate—1,000 lbs			2,297	93	251	635			641	90	218	309
Other tobacco extracts—do				2,294	2,039	1,294				513	349	225
Lead arsenate—do				1,094	1,564	2,271				141	192	264
Calcium arsenate—do				1,179	3,140	3,177				67	171	167
Other agricultural insecticides, etc—do		13,190	4,396	6,305	7,977	8,352		2,722	498	663	843	718
Household insecticides, etc—do			14,983	17,416	13,222	14,623			3,650	4,435	3,572	4,078
Baking powder—do	3,890	4,501	4,748	5,679	5,315	4,517	1,508	1,634	1,711	2,016	1,730	1,434
Petroleum jelly—do	[1]8,136	5,095	5,275	6,404	7,073	11,032	1,216	899	869	889	926	923
Water softeners, purifiers, boiler and feed-water compounds—1,000 lbs				2,814	3,204	3,199				285	394	416
Metal welding, soldering, and core compounds, fluxes, and hardeners—1,000 lbs				1,733	2,240	1,453				240	336	248
Polishes—												
Metal and stove polishes—do	[1]3,018	2,285	2,402	2,339	1,850	1,238	346	338	361	338	284	205
Shoe polishes—do	[1]5,376	3,393	3,512	3,282	2,746	2,146	[1]1,260	996	994	938	808	645
Leather dressings and stains—do				2,168	2,136	1,997				425	417	406
Floor wax, wood, furniture, and auto polishes—1,000 lbs	2,887	3,500	3,380	2,413	2,838	2,941	665	628	642	554	601	676
Other chemical specialty compounds, n. e. s										2,987	3,526	4,095
D. Industrial chemicals							25,165	23,647	28,018	25,501	28,149	23,795
Acids and anhydrides—												
Sulphuric—1,000 lbs	10,468	9,224	7,512	7,000	6,960	5,471	204	174	166	146	142	114
Boric (boracic)—do				3,382	6,204	2,804				190	180	125
Other acids and anhydrides—do	[1]14,268	16,382	14,252	12,431	15,254	12,126	984	830	789	693	942	846
Alcohols—												
Methanol [31]—1,000 galls	788	417	311	524	498	952	732	312	263	375	403	483
Glycerin—1,000 lbs	1,963	768	693	2,052	1,374	608	325	192	144	259	198	103
Other alcohols—do				2,949	2,126	3,358	721	235	467	403	290	441
Acetone—do				4,959	7,897	3,645				427	708	342
Other ketones—do						3						1
Formaldehyde (formalin)—do	[1]2,744	2,387	2,236	2,368	2,588	3,769	320	226	207	199	225	246
Other aldehydes—do						160						14
Acetate, amyl, ethyl, butyl, etc—do				842	698	1,163				141	156	231
Nitro or aceto cellulose solutions, collodion, etc—1,000 lbs				1,505	2,111	1,828				381	625	520
Ammonium compounds (except sulphate and anhydrous ammonia)—1,000 lbs	[1]5,124	4,878	4,338	2,679	1,746	2,365	[1]934	675	561	138	102	129
Aluminum sulphate—do	[1]33,900	44,063	42,257	45,426	53,176	50,509	[1]452	521	491	552	608	573
Other aluminum compounds—do				837	549	2,018				86	65	195

[1] Average for years 1922–1925.
[7] Of 500 pounds.
[30] Data prior to 1922 are "cars for railways other than steam."
[31] "Wood and denatured alcohol" prior to 1924.

No. 548.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926	1927	1928	1929	1930	1921–1925	1926	1927	1928	1929	1930
GROUP 8.—CHEMICALS, ETC.—Continued.												
D. Industrial chemicals—Continued.												
Calcium compounds—												
Acetate of lime, 1,000 lbs.	22,598	18,559	11,634	11,173	101	23	644	626	409	373	7	1
Calcium carbide, do.	9,482	4,534	4,873	3,746	4,345	3,987	452	184	197	173	185	180
Chlorinated lime or bleaching powder, do.	27,467	20,858	16,687	21,870	5,024	2,949	508	388	311	370	128	90
Calcium chloride, do.					30,851	42,699					363	514
Other, except arsenate and cyanide, do.				17,526	4,145	4,969				504	199	557
Copper sulphate (blue vitriol), do.	4,050	4,799	6,207	8,667	6,420	5,062	206	231	321	455	368	253
Dextrine or British gum, do.	[1] 19,329	22,200	24,659	21,391	20,828	17,115	[1] 773	906	1,002	929	983	780
Hydrogen peroxide (or dioxide), do.					2,238	1,917					383	304
Potassium compounds, n. e. s., do.	[1] 7,156	3,356	3,930	5,237	3,784	2,512	465	319	488	609	614	499
Sodium compounds, n. e. s., do.	[1] 355,100	346,038	391,645	542,350	705,195	518,243	8,725	8,427	9,672	11,624	12,388	10,629
Bichromate and chromato, do.	[14] 7,299	8,527	8,906	8,692	5,855	4,933	[14] 445	531	563	561	397	327
Cyanide, do.	[1] 3,014	1,883	1,299	1,522	1,816	1,242	[1] 368	305	213	242	274	181
Borate (borax), do.	25,979	28,610	73,908	135,703	159,768	165,363	1,176	1,257	2,422	3,454	2,935	3,058
Carbonate (soda ash, sal soda), do.	43,055	52,180	53,544	6,862	90,404	78,946	936	1,096	1,141	1,241	1,530	1,236
Silicate (water glass), do.	31,249	43,345	54,986	59,326	66,735	60,494	305	396	432	642	617	572
Hydroxide (caustic soda, lye), do.	100,872	103,295	100,889	119,415	122,045	126,786	3,400	3,112	2,994	3,488	3,566	3,737
Bicarbonate (acid soda or baking soda), 1,000 lbs.	15,403	19,339	18,287	18,711	18,947	19,318	344	373	338	345	357	370
Sulphate, do.					3,332	8,872					53	113
Modified soda, do.					14,991	207					425	8
Other sodium compounds, n. e. s., do.	[1] 112,520	83,854	79,826	132,319	221,300	51,082	2,180	1,357	1,569	1,651	2,234	927
Tin compounds, do.				591	658	562				201	207	138
Zinc compounds (except oxide), do.				3,377	3,423	3,117				152	154	129
Gases, compressed and liquefied—												
Ammonia, anhydrous, do.				1,908	2,329	2,272				315	374	339
Chlorine, do.				5,493	7,168	7,532				235	257	256
Oxygen, do.				497	883	495				77	112	66
Other gases, n. e. s., do.				1,882	2,354	1,874				288	315	333
Other industrial chemicals							9,151	9,400	10,528	5,205	6,467	4,366
E. Pigments, paints, and varnishes							14,765	18,254	21,319	25,614	29,111	21,689
Mineral earth pigments, ocher, umber, sienna, and other forms of iron oxides, 1,000 lbs.	[1] 28,944	31,955	37,292	38,733	41,960	45,132	[1] 925	1,006	1,125	1,084	863	535

Chemical pigments—												
Chrome colors and iron blues ..... 1,000 lbs.				370	245						40	43
Zinc oxide ..... do	10,517	29,323	28,989	29,598	35,275	21,507	775	1,917	1,822	1,850	2,302	1,447
Lithopone ..... do	[1] 2,655	3,881	4,220	6,652	9,112	7,331	[1] 146	200	223	338	463	380
Bone black and lampblack ..... do	[1] 33,637	3,529	3,016	3,751	3,201	3,674	3,175	242	189	219	185	187
Carbon black ..... do		39,210	54,431	77,903	91,829	84,200		3,623	4,600	6,794	8,271	5,789
Red lead and litharge [32] ..... do	2,325	1,550	2,858	4,168	5,780	8,255	236	175	271	365	503	590
White lead ..... do	10,832	12,478	12,095	12,953	11,815	13,002	944	1,119	947	952	922	923
Other chemical pigments ..... do	[1] 5,640	5,576	4,074	5,270	7,356	5,818	716	707	531	747	1,047	821
Paints, stains, and enamels—												
Roofing paints (liquid or plastic), 1000 gals.				1,412	1,385	1,472	[2] 275	366	411	725	812	747
Enamel paints ..... do		432	479	642	677	364	[1] 592	1,147	1,213	1,595	1,726	912
Lacquers [33] ..... do				557	558	489				1,392	1,695	1,461
Kalsomine or cold-water paints ..... 1,000 lbs.					7,674	8,533					429	444
Ship-bottom paints, anticorrosive and antifouling ..... 1,000 gals.				56	65	49				111	117	100
Other ready-mixed paints ..... do	[1] 1,861	2,208	2,634	2,697	3,043	2,095	3,669	4,590	5,378	5,294	5,665	4,187
Paste paint (ground in oil or japan) ..... 1,000 lbs.	[1] 10,378	9,973	9,968	8,382	1,657	1,785	2,168	2,120	1,999	1,553	348	354
Stains and other paint ..... do					3,721	2,339					830	559
Varnishes—												
Oil ..... 1,000 gals.	890	631	482	435	509	318	1,587	1,128	870	782	854	579
Other varnishes [33] ..... do		476	802	412	304	294		912	1,740	588	513	414
Paint specialties										1,223	1,519	1,217
F. Fertilizers and fertilizer materials ..... tons of 2,240 lbs.	1,028,151	1,102,782	1,271,043	1,218,838	1,534,295	1,551,559	17,472	20,040	17,724	16,095	20,441	15,284
Nitrogenous fertilizer materials—												
Sulphate of ammonia ..... do	129,026	181,125	138,692	93,015	144,761	81,662	7,924	9,824	6,827	4,373	6,266	2,910
Other nitrogenous materials ..... do	[1] 6,614	9,639	8,951	7,772	24,358	25,562	[1] 338	566	492	324	1,230	1,159
Phosphate materials—												
Phosphate rock—												
High-grade hard rock ..... do	117,793	103,572	128,774	89,702	67,474	65,992	2,343	1,196	889	616	473	447
Land pebble and other ..... do	616,033	645,391	780,437	809,062	1,075,272	1,159,730	3,607	3,240	3,843	3,837	4,914	5,183
Superphosphates (acid phosphates) ..... do	36,938	64,452	107,607	88,613	85,118	111,059	516	937	1,615	1,511	1,489	1,595
Potash fertilizer materials ..... do					13,868	15,216					583	643
Prepared fertilizer mixtures ..... do	[1] 24,532	26,439	14,720	26,414	33,508	36,450	[1] 1,187	1,009	618	936	1,796	1,477
Other fertilizers ..... do	43,445	72,164	82,962	104,260	89,936	55,289	1,802	3,268	3,441	4,498	3,660	1,869
G. Explosives, fuses, etc.							3,892	4,223	3,455	5,185	4,549	2,950
Explosives—												
Smokeless powder ..... 1,000 lbs.	1,349	614	236	1,998	949	475	559	453	168	1,608	853	439
Other gunpowder ..... do		672	484	587	430	255		163	179	159	132	87
Blasting powder ..... do	[1] 2,458	1,694	2,057	3,329	1,711	842	[1] 216	120	226	228	117	69
Dynamite ..... do	14,560	16,221	12,110	15,501	16,277	9,090	2,270	2,331	1,808	2,171	2,228	1,280
Other explosives ..... do	[1] 1,072	921	767	466	322	627	[1] 224	277	136	83	84	236
Fuses and blasting caps—												
Safety fuses ..... 1,000 lin. ft.		83,710	91,191	95,698	113,352	79,875	407	515	564	589	724	485
Blasting caps ..... 1,000 caps		66,617	33,989	31,541	22,169	18,223	[1] 381	358	373	346	[14] 411	354

[1] Average for years 1922–1925.
[2] Average for years 1923–1925.
[14] 1925 only.
[32] "Red lead" prior to Jan. 1, 1927.
[33] "Other varnishes" includes "Lacquers" prior to Jan. 1, 1928.

No. 548.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926	1927	1928	1929	1930	1921–1925	1926	1927	1928	1929	1930
GROUP 8.—CHEMICALS, ETC.—Continued												
H. Soap and toilet preparations							15,505	17,069	17,170	15,721	16,059	13,972
Soap—												
Medicated ..... 1,000 lbs.						563						358
Toilet and fancy ..... do.	[1] 6,768	8,975	8,187	7,237	6,586	5,443	2,784	3,038	2,802	2,299	1,984	1,235
Laundry ..... do.	76,213	60,767	56,229	47,617	47,344	37,866	5,821	4,120	3,878	3,377	3,193	2,534
Powdered and flaked ..... do.					2,322	2,269					231	202
Scouring soaps and powders ..... do.	4,206	4,935	5,493	5,821	10,682	11,788	248	263	317	363	736	829
Shaving soaps (creams, powders, and sticks) ..... 1,000 lbs.					1,060	1,194					537	480
Other ..... do.		13,625	12,992	9,022	6,547	3,683		1,245	1,183	827	597	356
Perfumery and toilet waters							[1] 482	391	374	460	380	248
Talcum and other toilet powders ..... 1,000 lbs.	[1] 3,539	3,289	3,254	3,137			[1] 1,660	1,727	1,621	1,606	1,531	1,484
Creams, rouges, and other cosmetics ..... do.	[1] 2,256	2,889	2,957	3,568			[1] 1,144	1,624	1,707	1,898	2,048	3,115
Dental creams ..... do.		3,119	3,828	2,942	2,955	2,751		3,021	3,357	2,669	2,532	2,274
Other dentifrices ..... do.	[1] 3,374	491	697	621	822	428	[1] 2,712	359	383	331	369	240
Other toilet preparations ..... do.	[1] 1,757	1,760	2,001				1,854	1,281	1,548	1,893	1,921	608
GROUP 9.—MISCELLANEOUS												
Total							119,013	133,069	135,087	142,523	163,666	135,360
A. Photographic and projection goods							17,802	19,419	19,812	21,476	31,666	29,477
Cameras ..... thousands	[1] 206	437	474	460	633	505	1,226	1,621	2,461	2,424	2,982	2,202
Motion-picture projectors ..... number	[1] 1,238	1,943	3,042	5,955	4,300	3,794	[1] 302	521	641	950	805	737
Parts of cameras, except lenses							[1] 369	702	892	574	364	424
Motion-picture sound equipment												7,736
Stereopticons, magic lanterns, and other projection apparatus							[1] 202	295	473	308	8,492	752
Projection arc lamps ..... number						967						122
Motion-picture films—												
Sensitized, not exposed ..... 1,000 lin. ft.	55,875	41,437	49,512	75,015	72,769	87,532	1,296	1,033	1,354	1,727	1,501	1,921
Exposed ..... do.	167,127	220,628	232,105	222,123	282,215	274,351	7,048	7,731	7,231	6,474	7,622	8,119
Negatives ..... do.	[1] 8,690	6,601	9,449	7,712	8,443	12,355	[1] 1,253	1,335	1,456	1,221	1,121	1,332
Positives ..... do.	[1] 164,999	214,027	222,656	214,411	273,772	261,996	[1] 5,928	6,396	5,776	5,253	6,502	6,787
Other sensitized films, not exposed ..... thousands	[1] 21,867	23,457	20,940	20,562	21,326	20,056	4,144	4,371	3,500	4,403	4,817	4,267
Dry plates ..... 1,000 doz.	[1] 651	1,000	664	805	983	761	[1] 430	526	370	471	539	408
Photographic paper ..... 1,000 lbs.	[1] 1,507	1,830	1,914	1,925	2,364	1,791	[1] 1,477	1,471	1,576	2,014	2,445	1,441
Other photographic apparatus and supplies (including unsensitized picture films)							1,864	1,149	1,314	2,133	1,996	1,347
B. Scientific and professional instruments, apparatus, and supplies							9,584	11,294	11,086	11,108	12,423	11,284

Optical goods—												
Spectacles, eyeglasses, and parts of							[1] 438	893	924	927	1,391	1,084
Lenses, not fitted to instruments—thousands	[1] 2,719	4,959	4,302	3,483	631	433	[1] 554	742	694	465	121	115
Other optical goods							1,067	1,715	1,404	1,172	1,272	896
Dental instruments and supplies (except medicinal)							614	1,429	1,508	1,663	1,475	1,445
Teeth—thousands	[1] 12,773	31,568	32,305	24,728	25,702	27,392	607	1,352	1,475	1,305	1,268	1,241
Dental office equipment							[1] 1,097	612	628	650	1,025	982
Sterilizers—number						3,411						238
Surgical and medical instruments							354	518	534	486	498	433
Surgical appliances, artificial limbs, crutches, trusses, etc							2,469	379	359	481	545	529
Surveying and engineering instruments							[1] 293	440	429	418	476	261
Other scientific, laboratory, and professional instruments and apparatus							2,567	3,215	3,129	3,542	4,352	4,059
C. Musical instruments							10,854	15,978	17,673	18,131	18,931	8,994
Pianos—												
Player pianos—number	9,252	17,976	14,242	6,792	3,951	908	2,945	5,150	4,068	2,061	1,183	279
Other pianos—do	5,729	5,055	3,447	2,823	3,116	1,616	1,400	1,128	744	620	706	311
Player-piano actions and parts							238	455	515	430	287	68
Other piano actions and parts							[1] 165	174	187	170	177	68
Perforated music rolls—thousands	[1] 516	413	264	214	140	81	271	212	123	97	62	31
Organs—number	1,487	1,416	1,086	1,283	1,641	870	175	221	387	502	317	210
Phonographs—do	62,320	103,759	144,874	230,310	282,144	107,095	2,267	3,281	5,278	7,193	7,860	2,974
Phonograph records—thousands	[1] 3,265	5,538	6,901	9,731	9,896	6,739	1,630	2,223	3,106	3,789	4,336	2,769
Band instruments—number	[1] 9,577	17,813	17,153	16,739	14,336	9,658	[1] 317	638	690	705	586	410
String instruments—do	[1] 42,368	105,929	59,458	46,126	42,494	35,183	[1] 195	443	328	274	273	208
Other musical instruments, parts, and accessories							1,385	2,047	2,247	2,286	3,144	1,666
D. Miscellaneous office supplies							7,118	8,820	8,641	9,979	10,330	8,903
Pencils and pens—												
Refillable pencils and pencil leads [54]							2,045	819	711	851	835	783
Other pencils [55]—1,000 doz		6,557	5,780	5,774	6,785	5,957		1,325	1,197	1,116	1,260	979
Metallic pens except gold—1,000 gross	273	443	372	334	353	312	148	217	184	175	184	187
Fountain pens—doz	37,824	79,595	80,596	138,068	151,973	136,665	575	1,340	1,483	1,846	1,812	1,589
Writing ink							[1] 234	209	195	352	216	192
Printer's and lithographic ink—1,000 lbs	[1] 10,119	10,895	10,816	11,869	11,306	10,043	1,189	1,439	1,304	1,528	1,466	1,365
Other ink—do	[1] 452	585	767	763	634	462	227	219	283	292	278	222
Paste and mucilage—do	[1] 2,679	3,335	3,419	3,308	3,620	2,746	307	373	327	355	358	289
Carbon paper—do	[1] 889	1,111	1,189	1,342	1,479	1,246	658	843	880	963	1,065	902
Typewriter ribbons—dozens		208,796	217,156	223,705	252,311	240,225	530	637	658	663	718	657
Paper clips and binders, penholders, inkstands, and other office supplies							1,272	1,399	1,421	1,839	2,139	1,738
E. Toys, athletic and sporting goods							3,560	3,946	4,435	4,912	5,643	4,912
Toys—												
Dolls and parts							214	163	191	224	228	179
Toy wheel goods and parts									735	782	821	409
Mechanical toys							129	124	170	193	273	255
Other toys, except rubber							1,710	1,684	1,439	1,517	1,537	1,247

[1] Average for years 1922–1925.

[54] "Refillable pencils" prior to 1925.

[55] "Other pencils and pencil leads" prior to 1925.

No. 548.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926	1927	1928	1929	1930	1921–1925	1926	1927	1928	1929	1930
GROUP 9.—MISCELLANEOUS—Continued												
E. Toys, athletic and sporting goods—Continued.												
Athletic and sporting goods—												
Fishing rods, reels, hooks, bait, and tackle							[1] 294	304	323	383	470	414
Golf, tennis, foot, basket, and baseballs							[1] 162	227	207	229	253	386
Other athletic and sporting goods, except shoes, clothing, and firearms							1,022	1,126	940	1,073	1,481	1,379
Amusement-park and playground devices							[3] 301	318	431	512	580	553
F. Firearms and ammunition							5,050	6,284	6,022	5,540	6,186	3,511
Firearms and ordnance—												
Revolvers and pistols—number	[1] 46,045	59,394	52,841	74,204	59,886	27,066	633	928	915	1,290	1,055	467
Rifles—do	[1] 91,382	61,335	61,520	43,235	55,416	23,917	1,034	657	724	588	900	335
Shotguns—do		62,785	63,023	52,218	58,887	35,869		517	510	484	512	330
Machine and heavy ordnance guns and carriages—number	[1] 659	1,315	525	285	617	698	197	460	185	87	348	96
Ammunition—												
Shot shells—1,000 lbs	[3] 3,018	3,568	3,683	3,035	2,829	2,318	[3] 780	973	961	798	734	603
Metallic cartridges [36]—do	5,600	4,707	4,253	4,169	4,585	2,494	2,436	2,416	1,994	2,027	2,212	1,369
Explosive shells and projectiles—do	[1] 481	66	328	101	147	36	150	22	215	17	76	31
Other, including fireworks—do	[1] 402	651	1,307	590			288	309	518	249	349	280
G. Books, maps, pictures, and other printed matter							19,856	21,954	24,185	24,249	27,120	23,988
Books and pamphlets								11,221	11,912	11,824	13,607	12,444
Maps and charts								276	227	206	280	365
Music in books and sheets							13,561	358	347	361	379	231
Souvenir post cards								213	211	188	252	203
Lithographically printed matter, except post cards and maps								3,053	4,118	3,182	2,851	2,750
Playing cards—1,000 packs	[1] 7,492	6,615	6,361	6,525	5,790	5,188	802	688	705	752	706	563
Other printed matter							[1] 6,866	6,124	6,665	7,737	9,045	7,432
H. Clocks and watches							3,180	3,228	3,698	3,628	3,583	2,217
Clocks—												
One-day alarm clocks—thousands	[1] 664	519	608	607	565	267	[1] 823	695	751	687	681	365
Mantel and novelty clocks—do		82	75	67	49	35		312	275	265	202	150
Wall clocks—do		25	25	24	20	12		167	158	133	123	79
Other clocks and parts							1,343	403	359	356	352	294
Watches—thousands		576	827	832	723	309	1,179	1,043	1,049	1,062	896	419
Without jewels—do		520	767	771	676	293		521	541	[2] 534	468	238
With jewels—do		56	59	61	47	16		522	508	528	428	181
Parts of watches								608	630	680	714	456
Time-recording devices and parts									376	446	615	454

I. Art works—Painting and statuary							902	1,416	1,371	1,503	2,917	2,428
J. Miscellaneous, n. e. s.							41,106	40,749	38,264	41,996	44,967	39,647
Barber and beauty parlor chairs, number						2,207						187
Composition roofing—												
Asphalt roofing, 1,000 squares		938	854	935	820	543		1,212	1,151	1,251	1,102	688
Asbestos roofing, do	[1] 1,028	95	68	67	92	66	1,782	559	509	446	600	393
Other roofing, do		144	129	96	94	84		295	234	199	184	132
Billiard tables and accessories							364	397	351	427	398	260
Buttons—												
Pearl or shell, 1,000 gross	[1] 500	351	396	455	242	217	177	141	128	136	83	56
Other buttons, do	[1] 1,634	1,416	1,697	1,419	1,231	1,134	560	405	361	309	321	261
Lamps and illuminating devices, except electric—												
Incandescent mantles, 1,000 doz	[3] 194	231	202	241	317	224	165	180	145	202	247	180
Lanterns, thousands		3,631	2,772	2,366	2,206	1,283	3,431	2,445	1,888	1,644	1,226	726
Lamps, other than electric, do					376	263					527	340
Other lighting devices, except glass								449	360	392	431	411
Matches, 1,000 lbs	[1] 1,062	583	631	1,087	1,131	1,566	215	103	95	135	138	154
Chemical fire extinguishers (hand), number	[1] 45,315	34,971	28,558	48,568	37,573	26,523	335	351	343	353	355	298
Fly paper, traps, and swatters							191	155	148	95	90	110
Pyroxylin products, known as celluloid, pyralin, viscoloid, fiberloid, etc.—												
Sheets, rods, tubes, 1,000 lbs	2,909	2,323	1,530	3,147	3,945	5,330	2,998	1,712	1,303	2,264	2,190	2,399
Manufactures, do		2,191	1,039	869	1,022	636		2,086	1,175	1,095	1,136	839
Brushes—												
Toothbrushes, doz						192,891						522
Toilet brushes, do	396,214	272,286	269,971	264,016	352,658	37,937	1,043	728	706	702	834	103
Paint brushes, do		64,851	61,190	70,176	78,641	43,650		222	193	200	212	133
Other brushes, do		105,031	189,631	157,428	189,711	181,178		398	320	286	256	213
Plates and cuts, electrotype, stereotype, halftone, lithographic, or engraved, 1,000 lbs	[1] 330	337	464	422	387	347	385	402	432	484	472	449
Umbrellas and parasols, thousands	[1] 121	99	117	90	78	37	194	167	185	167	140	84
Candles, 1,000 lbs	1,821	1,253	1,146	1,032	1,066	840	284	255	253	238	256	190
Notions							1,989	2,301	1,913	1,913	2,175	1,523
Refrigerators, number	[1] 10,883	20,763	16,380	13,892	17,906	10,000	380	1,444	697	579	775	326
Soda-fountain equipment							[3] 209	353	351	538	619	570
Shoe findings—												
Heels and counters, except rubber, 1,000 lbs	1,635	563	494	665	471	590		147	123	185	139	147
Other								1,300	1,243	1,532	1,617	1,105
Trunks, number	[2] 20,967	27,415	29,547	29,655	35,317	25,877	[2] 400	497	533	621	661	450
Coin-operated scales, do					1,238	648					203	103
Coin-operated commodity-vending machines, number					8,610	9,019					381	414
Other coin-operated machines (except musical), number					5,324	6,783					334	437
Household and personal effects							12,506	13,290	13,945	9,349	18,544	18,980
All other articles							12,147	8,758	9,070	10,250	8,421	6,458

[1] Average for years 1922–1925. [2] Average for years 1923–1925. [3] Average for years 1924–25. [16] "Cartridges loaded" prior to 1924.

No. 549.—GENERAL IMPORTS OF MERCHANDISE BY COMMODITY GROUPS AND ARTICLES

NOTE.—Data are for calendar years. Figures for 1921–1925 are annual averages. A greater number of items are shown separately beginning about 1922, and for this reason many averages for two, three, and four years are shown in the table. However, averages shown for group totals always cover five years. In some cases the detail does not add to the total because of the different periods covered by the data. For 1929 and 1930, a small item, "Articles ordinarily dutiable, imported free" is not shown separately, but is included in the total for each group. For annual averages for 1910–1914, see Statistical Abstract 1930, Table 548.

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926	1927	1928	1929	1930	1921–1925	1926	1927	1928	1929	1930
Total imports of merchandise							3,450,103	4,430,888	4,184,742	4,091,444	4,399,361	3,060,908
GROUP 00.—ANIMALS AND ANIMAL PRODUCTS, EDIBLE												
Total							89,271	113,946	133,846	137,815	142,147	96,755
A. Animals, edible							5,560	8,327	20,066	21,175	20,624	6,870
Cattle—1,000 head	177	212	436	524	493	226	4,802	5,378	15,412	20,288	19,972	6,564
Sheep—head	63,200	42,146	28,598	21,802	27,480	6,295	405	296	225	188	242	47
Poultry, live—1,000 lbs	[1] 1,700	2,108	1,630	1,505	1,503		[1] 351	472	388	380	356	57
Hogs—do		17,931	35,884	3,620	614	19		2,181	4,041	319	55	2
B. Meat products—do	67,805	93,069	148,758	183,249	203,541	94,261	19,291	28,701	34,902	35,632	40,893	25,743
Beef, fresh—do	24,480	16,213	35,082	50,181	37,870	7,203	2,696	1,097	4,339	5,553	4,340	808
Veal, fresh—do		3,893	7,492	8,139	5,012	2,310		576	1,098	1,396	835	349
Pork, fresh—do	3,131	9,156	14,524	7,811	4,125	1,093	579	2,034	2,897	1,495	755	264
Mutton, fresh—do	9,540	946	494	826	1,664	98	1,339	82	38	74	137	9
Lamb, fresh—do		2,419	2,151	2,442	3,146	253		421	398	442	547	34
Other fresh meats—do	2,547	1,769	5,212	5,787	4,839	2,033	774	277	603	871	661	318
Poultry, dead—do	[1] 2,494	6,027	3,628	5,856	5,197	1,863	[1] 877	2,030	1,012	1,564	1,525	414
Poultry, prepared—do		405	581	477	553	468		295	361	289	372	306
Canned meats—do		22,784	35,069	55,156	89,932	52,488		2,743	4,311	6,644	11,433	7,160
Beef and veal, pickled or cured—do				8,469	9,362					1,001	1,256	
Pork, ham, shoulders, bacon—do	9,858	10,862	23,168	2,540	2,079	2,101	1,396	2,054	4,014	902	802	243
Pork, pickled, salted and other—do				2,516	2,311	1,979				984	988	776
Other meats, prepared or preserved—do				15,133	14,347	1,583				1,832	1,823	661
Sausage casings—						2,372						336
Sheep, lamb, and goat—do	16,752	18,534	6,808	5,934	6,594	7,830	11,980	16,493	9,557	8,741	10,810	11,447
Other casings—do			13,857	11,982	16,520	10,588			6,275	3,845	4,609	2,616
C. Animal oils and fats, edible—do				2,426	2,185	1,535				239	193	108

D. Dairy products								28,114	34,245	36,964	34,228	30,415	22,650
Cream	1,000 gals.	7,660	5,374	4,843	3,621	2,970	1,585	5,511	8,051	7,606	5,898	5,194	2,620
Milk	do		7,412	4,593	5,632	4,246	1,837		1,252	779	997	795	338
Milk, condensed and evaporated—													
Unsweetened	1,000 lbs.	9,049	1,320	2,117	1,478	2,014	211	1,193	129	179	112	174	18
Sweetened	do		343	506	1,131	620	1,401		36	41	94	60	120
Milk powder	do		5,224	6,828	3,895	4,186	2,603		673	897	664	769	457
Cream powder, malted milk, etc	do		2,488	905	1,164	1,048	542		221	90	109	104	46
Butter	do	15,175	8,029	8,460	4,659	2,773	2,472	5,645	2,799	2,872	1,659	1,036	802
Cheese	do	51,888	78,417	79,796	81,403	76,382	68,311	15,764	21,084	24,500	24,695	22,282	18,249
E. Fish	1,000 lbs.	290,538	324,139	321,421	373,883	369,560	346,705	29,274	34,343	35,428	38,542	39,772	35,471
Fish, fresh, frozen, or packed in ice—													
Salmon	do	8,963	5,444	6,061	6,254	4,414	5,843	981	646	670	716	581	834
Fresh-water fish and eels	do	[1] 39,340	48,886	53,055	53,349	57,102	50,576	[1] 3,346	4,806	5,049	5,302	5,691	4,625
Cod, haddock, hake, and pollock	do	[1] 1,043	964	728	830	1,036	759	[1] 50	46	35	37	67	45
Halibut	do	11,614	5,719	4,014	4,358	5,811	3,621	1,473	747	479	491	732	437
Mackerel	do	[1] 5,740	2,853	2,154	2,169	1,623	1,296	[1] 394	159	152	146	97	71
Herring, frozen	do	[2] 1,823	1,428	2,121	2,665	1,755		[2] 92	68	108	207	91	
Smelts	do	[3] 6,819	9,099	6,716	8,801	6,952	5,653	[3] 923	1,186	931	1,210	1,006	867
Tuna fish	do	[2] 7,739	9,899	32,485	30,351	50,695	59,342	[3] 356	526	1,640	1,853	2,631	2,802
Herring, fresh sea	do		46,254	16,960	54,331	36,621	28,012		429	133	344	260	179
Other fresh fish, n. s. p. f	do	58,796	8,370	10,867	8,623	7,913	6,856	3,513	1,164	1,211	902	851	677
Fish, dried and pickled or salted—													
Salmon, cured	do	[1] 2,330	4,497	2,441	1,964	1,872	870	[1] 365	659	376	308	382	120
Cod, dried [4]	do	38,979	36,808	32,878	32,479	28,798	12,514	2,776	2,794	2,263	2,708	2,690	1,136
Herring	do	47,709	36,295	43,074	42,470	45,337	40,558	2,701	2,195	2,732	3,146	2,867	2,865
Mackerel	do	13,792	10,751	12,023	8,161	7,991	6,171	1,129	648	788	570	617	383
Swordfish	do						[5] 2,748						[5] 514
Hake and pollock and other dried	do	29,205	8,206	5,838	7,472	7,109	5,394	3,185	920	709	826	782	619
Other fish, pickled, salted, smoked, etc	do		23,512	25,660	34,834	34,210	47,990		2,229	2,588	2,775	2,812	3,758
Caviar and other fish roe	do	[1] 3,305	793	739	830	746	675	[1] 700	668	638	1,082	818	697
Fish, skinned or boned, n. e. s	do		4,763	5,156	3,267	992	3,084		568	569	368	135	383
Packed in oil, etc. (except shellfish)—													
Sardines	do	25,317	26,216	26,761	29,329	31,245	24,613	4,639	4,500	5,235	5,139	5,521	4,146
All other	do		9,182	5,695	5,131	5,119	4,525		1,796	1,388	1,350	1,312	1,044
Shellfish—													
Lobsters, other than canned	do	6,770	6,537	6,369	6,538	8,629	9,831	1,393	1,556	1,660	1,721	2,231	2,135
Lobsters, canned	do	1,738	1,792	1,780	1,606	1,490	1,345	1,035	1,136	1,018	1,005	937	756
Other shellfish, crabs, shrimps, and turtles	do		7,562	8,862	9,205	10,660	11,951	876	1,129	1,272	1,295	1,549	1,321
Shrimps and shellfish, n. s. p. f	do				8,543	9,824	11,214				1,242	1,499	1,278
Crabs and turtles	do				747	836	737				53	50	43
Crab meat	do	4,937	8,308	8,934	12,775	10,937	12,475	1,956	3,770	3,784	5,042	5,112	5,056

[1] Average for years 1923–1925.
[2] Average for years 1924–25.
[3] Average for years 1921 and 1924–25.
[4] "Cod, haddock, hake, and pollock" prior to Sept. 22, 1922.
[5] June 18 to Dec. 30, 1930.

No. 549.—General Imports of Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926	1927	1928	1929	1930	1921–1925	1926	1927	1928	1929	1930
GROUP 00.—ANIMALS AND ANIMAL PRODUCTS, EDIBLE—continued												
F. Other edible animal products							7,084	8,330	6,484	7,999	10,242	6,098
Eggs—												
Eggs of poultry in shell—1,000 doz.	1,097	208	250	286	308	317	313	104	75	83	91	79
Whole eggs, dried—1,000 lbs.	18,763	677	962	1,835	1,642	1,229	3,726	358	501	1,017	892	604
Whole eggs, frozen, prepared, etc—do.		9,392	2,774	11,124	9,180	2,612		1,626	493	1,750	1,585	382
Yolks, dried—do.		4,398	3,525	4,464	6,606	6,645		1,486	1,588	1,999	3,128	2,225
Yolks, frozen, prepared, etc—do.		4,161	2,778	3,029	4,401	1,685		755	469	600	1,044	330
Egg albumen, dried—do.	6,107	3,499	2,960	2,371	4,011	3,152	2,429	2,450	1,703	1,229	1,819	1,183
Egg albumen, frozen, prepared, etc—do.		3,611	2,341	650	139	833		510	346	100	25	67
Meat extract—do.	[2] 237	433	533	580	795	574	[2] 222	547	709	795	936	608
Gelatin, edible—do.	[1] 3,111	2,421	2,741	1,896	3,107	2,443	[1] 720	495	541	425	723	620
GROUP 0.—ANIMALS AND ANIMAL PRODUCTS, INEDIBLE												
Total							234,681	304,765	350,083	382,579	396,840	254,305
A. Hides and skins, raw (except furs)—1,000 lbs.	428,956	388,578	447,143	508,008	515,659	399,911	93,067	96,811	112,846	150,810	137,281	92,268
Cattle hides—do.	229,808	150,452	237,234	276,176	265,579	186,931	33,598	22,092	41,360	63,694	42,590	24,270
Dry or dry salted (over 12 lbs.)—1,000 pieces	1,174	538	845	1,063	536	221	4,261	2,229	4,275	6,238	2,789	872
Dry or dry salted (over 12 lbs.)—1,000 lbs.	24,885	11,851	18,278	21,620	12,649	5,243						
Wet salted (over 25 lbs.)—1,000 pieces	3,901	2,816	4,298	5,092	4,972	3,518	20,332	19,863	37,085	57,456	39,819	23,398
Wet salted (over 25 lbs.)—1,000 lbs.	204,922	138,601	218,955	254,556	252,930	181,688						
Buffalo hides—												
Dry or dry salted—1,000 pieces	121	131	191	264	123	78	385	546	856	1,561	697	361
Dry or dry salted—1,000 lbs.	2,107	2,599	4,083	5,646	3,188	1,852						
Wet salted—1,000 pieces	[1] 26	6	9	2	2	----------	[1] 203	48	68	26	14	----------
Wet salted—1,000 lbs.	[1] 1,043	221	303	137	73	----------						
Kip and calf skins—do.	44,416	45,201	44,070	45,386	56,145	36,848	10,560	11,590	13,109	16,105	16,400	8,912
Kip skins—												
Dry and dry salted (6 to 12 lbs.)—1,000 pieces	[1] 410	162	181	332	130	32	[1] 703	312	467	1,132	361	65
Dry and dry salted (6 to 12 lbs.)—1,000 lbs.	[1] 3,962	1,481	1,734	3,158	1,263	285						
Wet salted (12 to 25 lbs.)—1,000 pieces	[1] 377	277	336	478	595	374	[1] 1,268	855	1,171	2,101	2,053	1,038
Wet salted (12 to 25 lbs.)—1,000 lbs.	[1] 6,337	4,580	5,153	7,556	9,762	5,915						
Calfskins—												
Dry and dry salted (less than 6 lbs.)—1,000 pieces	2,858	3,104	2,645	2,395	2,981	1,437	3,410	3,787	3,603	3,720	3,855	1,603
Dry and dry salted (less than 6 lbs.)—1,000 lbs.	11,798	9,047	6,933	6,374	7,488	3,613						
Wet salted (less than 12 lbs.)—1,000 pieces	3,017	4,046	3,810	3,769	5,020	3,751	5,568	6,636	7,868	9,152	10,131	6,156
Wet salted (less than 12 lbs.)—1,000 lbs.	24,401	30,094	30,249	28,247	37,632	27,035						
Horse, colt, and ass hides—do.	11,433	13,613	10,876	13,462	13,970	15,193	1,245	1,477	1,444	2,371	1,544	1,236
Dry and dry salted—1,000 pieces	301	271	152	300	87	46	654	638	507	1,010	266	121
Dry and dry salted—1,000 lbs.	4,487	4,767	2,580	4,458	1,756	1,040						

Wet salted	1,000 pieces	173	237	224	265	285	326	592	840	937	1,361	1,278	1,145
	1,000 lbs.	6,586	8,846	8,296	9,004	12,214	14,153						
Sheep and lamb skins	do.	61,248	59,138	57,349	63,177	65,478	54,348	15,220	18,791	16,148	20,731	21,905	14,389
Wooled, dry and green	1,000 pieces	[1] 5,448	3,715	3,010	2,514	3,541	2,500	[1] 4,374	3,258	2,873	2,745	3,741	1,797
	1,000 lbs.	[1] 16,396	13,022	12,045	9,854	13,989	10.818						
Slats, dry, no wool	1,000 pieces	[1] 20,653	19,504	4,982	5,340	6,091	5,856	[1] 14,206	15,082	3,885	4,169	5,761	4,674
	1,000 lbs.	[1] 47,075	45,005	10,877	10,326	13,904	13,173						
Pickled skins	1,000 pieces	698	548	14,466	17,755	16,207	12,933	447	451	9,390	13,817	12,403	7,898
	1,000 lbs.	1,798	1,111	34,427	42,997	37,495	30,357						
Goat and kid skins	do.	72,760	87,605	81,304	90,804	100,109	93,524	29,629	39,084	35,488	41,740	47,500	38,099
Dry and dry salted	1,000 pieces	39,456	49,013	44,647	47,822	54,338	49,298	26,752	35,643	32,058	37,050	42,378	33,922
	1,000 lbs.	60,186	73,578	67,266	73,116	83,830	75,721						
Green or pickled	1,000 pieces	3,823	4,469	4,365	5,660	5,794	5,836	2,877	3,441	3,430	4,690	4,622	4,177
	1,000 lbs.	12,575	14,027	14,037	17,688	16,279	17,803						
Kangaroo and wallaby	1,000 pieces	769	747	748	728	740	791	726	661	666	688	655	600
	1,000 lbs.	863	901	876	858	798	888						
Deer and elk	1,000 pieces		1,089	913	903	954	853		937	866	656	723	563
	1,000 lbs.		2,750	2,493	2,456	2,406	2,137						
Reptile skins, raw	do.					1,899	2,571					2,980	2,305
Other hides and skins	do.	6,693	6,098	8,555	7,958	6,087	5,619	1,586	1,583	2,841	3,239	2,264	1,523
B. Leather								15,261	28,622	37,436	43,238	44,559	23,728
Upper leather—													
Reptile leather (tanned reptilian skins)	1,000 lbs.					276						4,347	1,677
Cattle, grains, and finished splits								[1] 236	177	1,335	1,907	745	660
Calf and kip, upper and lining	1,000 sq. ft.	[1] 11,991	33,878	55,074	53,529	65,555	41,896	2,895	8,955	13,542	13,925	421	9,392
Sheep and lamb, upper and lining	do.	[1] 3,962	3,093	2,539	2,814	2,061	1,196	382	513	518	579	16,603	262
Goat and kid, including glazed	do.	[1] 1,496	6,734	6,785	9,201	14,718	6,631	472	3,321	3,524	4,326	6,507	2,704
Patent	do.	[1] 3,131	4,945	7,278	5,815	3,948	1,567	770	1,607	2,802	2,474	1,263	403
Other upper leather	do.	[1] 12,766	3,707	1,709	2,860	799	302	1,975	1,137	1,706	3,567	308	130
Sole leather	1,000 lbs.	4,850	7,774	10,257	9,004	6,194	5,719	1,769	2,352	3,435	4,257	2,498	2,099
Glove leather	1,000 sq. ft.	[1] 429	272	204	179	182		158	108	65	65	59	
Seal, sheep, and calf leather (other than shoe), dressed and finished	1,000 sq. ft.		3,580	2,868	1,781	1,911			1,147	948	572	590	1,006
Leather cut into shoe parts								[1] 530	675	467	627	505	415
Rough tanned leather	1,000 lbs.		10,455	13,450	12,430	13,614	5,947	2,427	5,976	6,415	7,961	7,811	3,073
Harness leather	do.	1,069	997	1,195	1,682	2,317	1,267	[3] 426	379	473	853	980	478
Other leather								3,612	2,274	2,205	2,126	1,922	1,431
C. Leather manufactures								12,773	17,207	21,657	25,652	41,563	31,169
Boots and shoes (all leather)	1,000 prs.	429	1,070	1,477	2,017	6,183	3,674	1,399	3,381	5,200	8,254	17,026	10,120
Slippers (all leather)	do.	[1] 472	377	460	634	976	539	[1] 238	321	407	1,019	1,433	793
Other footwear	do.	[1] 1,123	908	1,066	1,172	1,200	1,487	[1] 421	331	311	317	314	349

[1] Average for years 1923–1925.

[2] Average for years 1924–25.

[3] Average for years 1922–1925.

No. 549.—General Imports of Merchandise, by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollar					
	1921–1925	1926	1927	1928	1929	1930	1921–1925	1926	1927	1928	1929	1930
GROUP 0.—ANIMALS AND ANIMAL PRODUCTS, INEDIBLE—Continued												
C. Leather manufactures—Continued.												
Gloves, 1,000 prs.	8,238	9,808	10,476	11,505	17,389	14,499	8,395	8,918	10,570	11,103	16,551	15,195
Women's and children's, do.	8,153	9,703	10,332	11,417	17,303	14,433	8,204	8,764	10,367	10,982	16,432	15,097
Men's, do.	135	105	144	88	86	66	191	154	203	122	118	98
Bags, baskets, belts, boxes, cases, etc.								1,246	3,703	3,609	4,621	3,570
All other leather manufactures							2,583	3,010	1,466	1,449	1,619	1,140
D. Furs and manufactures							80,552	119,650	138,025	121,711	125,852	68,686
Furs, undressed							72,179	107,250	123,630	108,783	108,049	57,645
Caracul, 1,000 pieces				149	273	165				249	487	190
Ermine, do.				594	917	830				1,479	2,277	1,198
Fitch, do.				1,343	1,199	1,050				5,260	4,883	2,549
Guanaquito, do.				439	127	216				1,602	325	287
Kolinski, do.				526	638	409				2,167	2,228	820
Marmot, do.				2,362	2,243	639				4,378	3,754	753
Weasel, do.				1,502	1,582	1,456				2,925	2,778	1,452
Monkey, do.				269	272	66				634	592	65
Otter, do.				37	39	14				471	437	147
Opossum, do.				559	623	341				668	771	285
Hare [7], 1,000 lbs.	[8] 1,410	1,457	1,966	2,192	2,257	1,191	[8] 1,566	1,976	3,102	3,250	3,411	1,186
Beaver, 1,000 pieces	[1] 180	148	115	110	70	56	[1] 3,497	3,412	3,054	2,983	2,022	1,217
Fox, other than silver or black, do.	[1] 1,948	1,279	1,797	1,712	1,696	1,140	[1] 13,444	9,806	17,294	16,465	16,296	11,420
Coney and rabbit [7], 1,000 lbs.	[1] 8,679	22,453	22,069	16,297	17,495	16,888	[1] 16,731	24,403	26,314	20,270	19,611	10,255
Marten, 1,000 pieces	[1] 304	144	190	146	214	70	[1] 4,192	1,984	3,107	3,209	4,017	1,219
Mink, do.	[1] 528	738	772	682	873	491	[1] 2,127	3,357	3,232	3,423	3,926	1,588
Mole, do.	[1] 4,676	3,496	4,820	10,284	1,823	1,152	[1] 746	447	551	1,306	230	107
Muskrat, do.	[1] 2,215	1,758	1,123	805	981	614	[1] 2,543	2,720	2,280	1,077	1,269	519
Squirrel, do.	[1] 17,115	15,875	10,821	8,066	7,013	8,332	[1] 14,667	13,842	11,953	7,942	5,134	3,543
Nutria, do.		242	118	44	38	11		1,065	619	240	215	78
Pony, do.				51	195	222				296	670	688
Skunk, do.				190	197	100				354	484	163
Wolf, do.				145	153	155				2,461	2,536	1,575
Lamb, kid, sheep, and goat skin furs, do.				8,435	9,841	7,217				15,617	20,812	12,079
Other furs, undressed, do.							[1] 28,741	44,238	52,123	10,058	8,883	4,261
Furs dressed on the skin, not advanced beyond dyeing, 1,000 pieces	3,902	2,396	2,830				2,743	2,336	3,352	7,132	11,984	7,346
Coney and rabbit, do.				2,919	3,702	1,301				1,242	1,846	633

Silver or black fox, dressed or undressed, 1,000 pieces				2	1	2				196	134	150
Lamb, kid, and sheep skin furs, do				235	329	344				706	1,332	1,181
Dog and goat skins, dyed and dressed, 1,000 pieces				1,258	2,821	2,315				4,117	7,877	4,795
Other dressed furs										871	795	586
Manufactures of fur—												
Cut fur for batters' use, including fur skins carroted, 1,000 lbs	[1] 407	393	253	44	27	15	[1] 648	977	442	70	59	26
Plates and mats of dog and goat skins, 1,000 pieces	[1] 1,781	1,038	2,266	332	422	281	[1] 4,432	2,514	5,878	1,384	1,577	1,004
Fur hats—												
For men and boys, thousands	287	893	1,138	1,529	387	285	712	2,232	2,451	3,356	1,123	761
For women and girls, do					1,166	583					2,201	1,056
All other, 1,000 lbs							1,869	4,341	2,272	987	860	849
E. Animal oils, fats, and greases, inedible							5,060	10,468	9,991	10,931	12,003	11,029
Whale oil, 1,000 gals	[1] 5,483	8,458	5,300	9,118	7,271	9,955	[1] 2,970	4,225	2,642	4,202	3,321	4,054
Cod oil, do	2,432	4,347	4,495	1,569	2,091	2,051	1,322	2,867	3,307	801	1,020	918
Cod-liver oil, do				2,579	2,860	2,895				2,517	2,445	2,229
Other fish oil, do	[1] 765	2,203	6,201	4,550	5,761	7,373	[1] 272	858	2,015	1,614	2,185	2,583
Wool grease, 1,000 lbs	[2] 11,322	11,844	10,974	10,664	10,538	7,913	[2] 359	472	432	359	367	271
Tallow, do				14,239	17,024	624	362	1,481	1,223	1,105	1,367	39
Grease and oils n. e. s							1,286	565	373	333	1,298	934
F. Other inedible animals and animal products							27,970	32,009	30,079	30,238	35,557	27,397
Animals, inedible—												
Horses—												
For breeding, number	2,740	680	406	415	571	430	1,015	1,681	1,318	668	1,103	899
Other, do	[1] 450	2,347	2,173	2,871	3,248	2,753		521	510	700	746	612
Cattle for breeding, 1,000 head	[3] 3	10	9	12	12	8	[3] 455	826	1,038	1,288	1,644	963
Birds, n. e. s., thousands		556	579	695	833	659	[1] 636	926	1,011	1,214	1,397	935
Foxes, silver, number		4,242	2,305	976	486	316		900	454	185	88	55
Other animals							1,995	820	916	674	778	619
Bones, hoofs, and horns—												
Unmanufactured, 1,000 lbs	89,028	118,849	139,112	118,789	153,699	115,833	1,204	1,434	1,750	1,727	2,269	1,692
Manufactures							603	80	86	83	111	120
Bristles—												
Crude, not sorted, etc., 1,000 lbs	21	53	3	5	[9]		27	7	3	9	[9]	
Sorted, bunched, or prepared, do	4,655	5,327	5,202	4,831	6,216	4,486	7,576	7,680	6,969	6,576	8,327	5,282
Feathers, crude, not advanced—												
Ostrich feathers, 1,000 lbs	143	89	73	49	49	2,848	881	342	204	133	161	1,516
All other, do	3,653	3,434	2,909	3,114	4,238		1,733	1,970	1,615	1,814	2,459	
Feathers, manufactures of—												
Artificial or ornamental, for millinery							1,050	65	60	69	46	
Colored or advanced, not for millinery, and manufactures							154	165	209	179	138	165
Glue stock, hide cuttings, etc., 1,000 lbs	29,242	45,855	43,372	48,567	58,370	52,553	1,284	1,767	1,845	2,341	2,911	3,050
Gelatin, inedible, and manufactures							1,001	1,196	1,181	1,439	1,231	1,466
Glue and glue size, and manufactures, 1,000 lbs	5,886	6,597	9,194	9,335	13,692		606	525	731	842	1,350	1,247

[1] Average for years 1923–1925.
[2] Average for years 1924–25.
[3] "Coney and rabbit" includes "hare" prior to 1925.
[8] 1925 only.
[9] Less than 500.

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926	1927	1928	1929	1930	1921–1925	1926	1927	1928	1929	1930
GROUP 0.—ANIMALS AND ANIMAL PRODUCTS, INEDIBLE—Continued												
F. Other inedible animals and animal products—Continued.												
Casein or lactarene, 1,000 lbs.	17,421	26,281	24,210	28,651	27,583	18,500	1,916	2,852	3,120	3,678	3,323	1,920
Ivory tusks in natural state, do.	349	356	243	159	126	61	1,115	1,285	829	423	331	170
Shells, unmanufactured—												
Mother-of-pearl, do.	5,666	7,050	6,517	6,517	8,924	6,636	1,556	2,041	1,709	1,883	2,575	2,168
All other, do.	1,263	4,512	4,523	2,386	8,769	3,375	248	158	255	270	343	120
Sponges and manufactures, do.	[1] 1,431	1,195	968	1,063	965	773	837	1,067	1,168	1,249	1,183	907
Beeswax and other animal wax, do.	3,180	4,622	5,041	4,402	5,258	4,312	751	1,604	1,635	1,510	1,456	1,061
Bladders, intestines, etc., do.		521	390	49	73			668	180	41	22	
Other inedible animal products							1,673	1,430	1,284	1,245	1,475	2,429
GROUP 1.—VEGETABLE FOOD PRODUCTS AND BEVERAGES												
Total							738,855	842,249	819,768	816,018	818,724	596,706
A. Grains and preparations							32,811	28,039	23,853	26,453	20,004	24,085
Buckwheat, 1,000 lbs.	[1] 17,338	4,273	3,016	3,168	7,671		[2] 320	75	52	57	145	
Corn, 1,000 bus. of 56 lbs.	1,135	1,055	5,458	565	407	1,556	1,062	908	4,295	609	447	1,000
Oats, 1,000 bus. of 32 lbs.	2,465	157	85	489	112	183	1,147	56	32	321	43	59
Rice—												
Uncleaned, 1,000 lbs.	12,357	22,651	10,676	5,660	11,957	2,885	614	942	340	287	590	111
Cleaned (except patna), do.	50,052	95,447	43,397	29,442	20,406	23,229	1,823	4,328	2,015	1,170	830	841
Patna rice for use in canned foods, do.		2,196	1,627	2,170	2,594	2,254		167	107	134	146	116
Flour, meal, etc., do.	1,586	7,746	2,386	1,715	935	1,022	79	246	66	63	52	48
Wheat, 1,000 bus. of 60 lbs.	18,973	14,143	11,754	18,848	14,576	19,969	23,204	19,691	15,344	22,040	16,249	19,548
Wheat flour, 1,000 lbs.	78,573	1,893	1,069	1,150	381	359	2,688	75	46	37	13	16
Biscuits, wafers, cakes, etc.							284	515	662	726	623	687
Macaroni, vermicelli, noodles, etc., 1,000 lbs.	3,785	5,225	3,513	3,434	2,856	2,777	280	396	332	371	263	232
Bread, yeast-leavened, do.	[1] 2,138	2,295	2,281	2,755	2,468	2,677	[2] 271	279	297	378	378	389
All other							1,191	361	265	262	224	1,037
B. Fodders and feeds							7,990	12,588	11,239	15,707	17,452	16,995
Hay, tons of 2,240 lbs.	133,801	354,235	115,025	62,384	30,787	104,304	1,503	3,375	1,109	564	319	897
Oil cake and oil-cake meal—												
Bean (soya and other), 1,000 lbs.		42,869	53,951	96,810	171,855	113,626		885	1,014	1,920	3,618	2,062
Coconut or copra, do.		38,375	38,606	23,433	30,292	37,143		445	471	448	606	425
Cottonseed, do.	112,848				43,770	22,075	1,877				579	304
Linseed, do.					69,285	51,687					1,669	1,070
All other, do.		39,811	96,327	125,543	18,970	23,244		794	1,639	2,327	342	320
Bran, shorts, and other by-product feeds of wheat, 1,000 tons of 2,240 lbs.	[1] 204	185	188	273	273	386	[1] 4,689	4,429	5,104	8,019	7,399	8,070

Of direct importation	do		105	83	139	144	252		2,449	2,219	3,809	3,746	4,800
Withdrawn from bonded mills	do		80	105	134	129	134		1,980	2,885	4,210	3,652	3,269
Beet pulp, dried	tons of 2,240 lbs	[1] 31,184	41,852	22,167	15,714	32,097	73,941	[1] 964	1,305	638	488	1,111	1,839
Other fodders and feeds								1,218	1,354	1,264	1,941	1,910	2,001
C. Vegetables and preparations								29,272	38,858	39,195	40,409	48,113	36,809
Beans, dried	1,000 lbs	74,793	65,538	86,134	138,016	120,098	115,214	3,005	2,464	3,010	6,224	6,790	5,347
Peas, dried	do	30,125	12,654	19,608	12,423	22,528	12,832	1,244	573	318	467	855	481
Peas, split	do		1,472	644	1,243	6,710	9,572		64	28	53	297	303
Chick peas or garbanzos	do	[2] 40,640	57,385	40,173	56,706	52,539	50,424	[2] 2,255	2,984	2,069	3,353	3,263	2,461
Mushrooms [10]	do	5,491	6,495	7,101	7,831	9,072	4,207	1,745	1,887	2,035	1,958	2,504	1,540
Potatoes, white or Irish	do	88,913	343,675	316,329	222,611	256,551	303,589	1,650	8,328	5,247	3,141	4,305	5,063
Garlic	do	6,820	4,126	2,952	6,179	4,502	4,696	341	234	163	287	266	284
Turnips	do	[1] 140,654	96,584	112,051	150,426	138,173	118,733	[1] 636	696	668	836	901	879
Tomatoes, natural state	do	[2] 64,538	80,906	132,130	120,002	119,205	144,443	[2] 2,162	2,661	4,544	3,836	3,828	4,432
Onions	do	104,149	103,130	120,588	125,978	68,593	27,595	2,179	1,937	2,662	2,674	1,242	485
Other vegetables, fresh, n. e. s	do							2,810	3,310	3,361	3,097	3,558	3,890
Farinaceous substances—													
Arrowroot, cassava, sago, and tapioca	do	92,996	109,482	116,290	176,469	181,441	114,436	3,492	3,332	3,371	3,915	4,711	3,370
Vegetables canned—													
Peas	do	[1] 1,689	1,993	1,067	1,189	1,687	728	[1] 188	217	135	139	131	79
Tomatoes	do	[1] 56,026	82,293	96,242	92,732	174,787	61,846	[1] 2,817	4,082	5,306	5,198	9,005	2,738
Other	do	[1] 6,721	11,582	8,437	8,562	8,716	5,258	[1] 635	1,148	826	861	903	742
Vegetables, prepared or preserved—													
Pickles	do	[1] 11,078	1,597	1,207	865	2,081	6,994	1,329	142	180	72	100	283
Sauces	do		11,283	12,671	12,383	13,488	12,670		830	954	930	974	793
Lentils	do	[2] 8,064	9,560	7,783	7,043	11,697	8,458	[2] 499	438	361	443	965	411
Tomato paste	do	[2] 15,154	18,078	14,354	9,317	13,857	12,488	[2] 1,382	1,634	1,439	1,054	1,612	1,079
Pimientos	do	[2] 2,364	3,883	6,516	4,629	3,139	3,787	[2] 272	465	766	510	316	309
Beancake, miso, and similar products	do	[2] 1,209	1,103	964	923	906	847	[2] 84	39	81	71	70	59
Other	do		11,961	7,582	8,115	6,965	13,369	1,850	861	541	497	445	979
Other edible substances								1,400	580	580	793	1,074	1,013
D. Fruits and nuts								75,499	87,560	84,721	89,667	88,898	75,496
Fruits								46,031	54,463	54,085	58,452	58,803	55,143
Bananas	1,000 bunches	47,057	56,251	61,009	64,308	65,134	62,731	22,007	31,084	34,269	35,381	36,048	34,794
Grapefruit	1,000 lbs	[1] 14,810	17,830	873	7,615	7,164	12,043	530	535	25	199	152	302
Lemons	do	[6] 100,041	73,924	62,862	69,749	46,929	78,146	2,006	1,701	1,632	2,191	1,664	2,080
Limes [11]	do	[2] 5,264	4,725	4,904	5,174	4,582	5,510	189	121	131	132	113	195
Olives—													
In brine	1,000 gals	[1] 6,266	5,969	5,048	7,813	3,835	6,255	2,888	4,351	4,545	5,311	2,168	2,378
Pitted or stuffed	do					2,476	3,536					2,413	2,431
Pineapples, natural state								2,487	2,100	2,156	1,852	2,072	2,475
Pineapples, prepared or preserved	1,000 lbs	[2] 3,538	3,138	2,095	2,677	4,101	7,386	[2] 299	436	213	164	309	678
Apples	1,000 bus. of 50 lbs	[1] 105	55	163	112	268	157	[1] 211	100	323	207	481	310
Berries, natural or in brine	1,000 lbs	[1] 4,944	5,794	4,888	6,748	9,313	7,649	[1] 430	485	409	597	852	568
Cherries, natural, sulphured or in brine	1,000 lbs	[1] 4,806	3,191	14,295	13,333	23,910	7,161	[2] 415	326	1,722	1,977	3,434	892
Cherries, prepared or preserved	do	[2] 7,925	19,583	2,963	618	721	1,158	[2] 736	2,121	370	143	157	129

[1] Average for years 1923–1925.
[2] Average for years 1924–25.
[6] Average for years 1922–1925.
[10] Mushrooms and truffles prior to 1924.
[11] Limes and oranges prior to 1926.

No. 549.—General Imports of Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926	1927	1928	1929	1930	1921–1925	1926	1927	1928	1929	1930
GROUP 1.—VEGETABLE FOOD PRODUCTS, ETC.—Con.												
D. Fruits and nuts—Continued.												
Fruits—Continued.												
Grapes, 1,000 cu. ft.	637	106	88	138	142	222	1,091	326	300	318	301	944
Currants, 1,000 lbs.	26,021	13,316	11,951	10,667	9,802	8,716	2,046	729	947	960	715	507
Dates, do.	57,237	49,280	38,409	58,841	54,135	41,906	2,712	2,635	1,749	2,869	2,525	1,886
Figs, do.	38,978	43,662	31,018	38,738	23,015	15,755	2,619	3,017	1,967	2,854	1,833	1,194
Raisins and other dried grapes, do.	11,887	5,115	2,537	2,390	1,565	1,834	1,270	495	330	312	190	181
Citron or citron peel, do.	[2] 3,476	4,584	3,886	4,447	4,327	4,347	[2] 720	793	495	472	608	551
Ginger root, prepared or preserved, do.	[2] 792	1,289	959	883	1,027	1,240	[2] 123	195	122	100	120	121
Jellies, jams, marmalades, and fruit butter, 1,000 lbs.	[2] 2,881	3,533	4,049	3,726	3,454	3,487	[2] 458	538	594	492	449	429
Other fruits, natural, prepared, or preserved, 1,000 lbs.	----------	33,657	27,820	35,593	44,086	44,109	3,699	1,773	1,786	1,922	2,190	2,097
Nuts.							29,468	33,098	30,687	31,215	28,095	20,353
Chestnuts, including marrons, 1,000 lbs.	24,435	25,898	11,731	20,283	16,933	18,673	1,034	1,265	644	1,055	849	887
Coconuts, in the shell, thousands	69,091	56,837	61,315	65,360	80,670	62,262	1,802	1,362	1,653	1,568	1,877	1,258
Almonds—												
Shelled, 1,000 lbs.	21,770	20,099	17,676	16,352	18,863	14,693	6,167	7,709	6,470	5,869	6,437	3,907
Not shelled, do.	4,030	801	479	1,371	5,877	228	437	95	55	174	857	17
Brazil and cream—												
Shelled, 1,000 lbs.	38,751	46,459	24,438	24,704	3,405	2,767	2,208	3,036	2,625	3,259	1,124	790
Not shelled, do.					32,947	13,718					1,980	1,263
Coconut meat, desiccated or prepared—												
Product of the Philippine Islands, do.	[6] 12,496	28,864	33,994	46,696	43,123	45,343	[6] 1,212	2,683	3,041	4,005	3,395	3,277
Other, do.	32,140	21,095	26,271	13,766	6,487	5,234	2,491	1,775	2,187	1,116	466	305
Filberts—												
Shelled, do.	5,419	7,135	5,630	5,227	5,544	4,659	972	1,464	1,082	907	1,259	1,064
Not shelled, do.	12,916	10,876	9,605	13,266	6,447	5,348	1,186	1,490	1,184	1,373	719	513
Walnuts—												
Shelled, do.	18,143	22,576	19,574	15,800	17,459	17,609	5,410	5,688	6,454	4,210	4,944	4,066
Not shelled, do.	27,331	25,649	12,139	15,596	7,181	3,630	3,284	3,236	1,489	1,923	745	390
Peanuts—												
Product of the Philippine Islands, do.						865						54
Shelled, do.	44,233	42,590	38,805	55,862	26,531	4,258	2,072	1,984	1,651	3,065	1,272	102
Not shelled, do.	5,397	3,990	4,490	13,739	4,609	3,218	245	190	179	591	194	107
Pecans, do.	[2] 1,858	1,046	256	549	392	408	[2] 172	116	43	56	75	37
Pignolia, do.	[2] 647	690	629	596	578	401	[2] 148	216	258	206	170	95
Pistache, do.	[2] 1,146	765	1,519	1,641	1,491	1,007	[2] 480	350	582	571	547	397
Cashew, do.						[5] 4,079						[5] 856
Other edible nuts, n. e. s., do.	----------	2,016	4,647	5,320	5,298	4,094	869	437	1,041	1,267	1,186	846
E. Vegetable oils and fats, edible, 1,000 lbs.	73,526	78,592	75,212	82,965	96,843	120,131	13,901	14,791	17,975	15,478	16,752	12,829
Cocoa butter, do.	2,585	86	187	21	45	239	603	23	58	7	11	29

Olive oil, edible	do	70,941	78,506	75,025	82,944	96,798	92,964	12,684	13,901	17,577	14,951	16,403	11,221
In packages weighing less than 40 pounds	1,000 lbs.	[2] 48,387	50,686	43,099	48,598	60,473	53,734	[2] 8,122	8,884	10,159	8,845	10,371	6,863
Other	do	[2] 34,420	27,820	31,926	34,346	36,325	39,230	[2] 5,998	5,017	7,418	6,106	6,036	4,358
Peanut oil	do	6,384	8,281	2,847	4,749	3,231	15,565	614	866	340	520	333	949
Other edible oils	do						[5] 11,362						[5] 630
F. Cocoa, coffee, and tea								263,109	398,332	350,753	388,082	379,534	264,281
Cocoa or cacao beans	1,000 lbs.	364,848	426,287	424,987	379,227	507,580	373,233	31,329	42,749	56,816	47,205	49,495	31,219
Cocoa, prepared	do	3,059	3,903	3,428	4,953	4,208	3,441	690	585	539	625	582	494
Chocolate, prepared	do		2,926	2,631	4,454	3,784	1,646		893	936	886	1,196	501
Coffee	do	1,340,272	1,493,316	1,433,340	1,456,517	1,482,258	1,599,317	205,792	322,746	264,275	309,644	302,397	209,472
Extracts of, and substitutes for coffee	do	[12] 661						[12] 23					
Tea	do	94,491	95,930	89,169	89,824	89,373	84,926	25,284	31,349	28,192	27,222	25,866	22,595
G. Spices	1,000 lbs.	95,795	85,239	111,202	98,399	93,102	82,648	13,742	15,928	19,322	20,078	18,314	14,247
Paprika	do	[3] 4,143	4,217	5,568	4,940	5,545	5,355	[3] 671	764	1,249	916	1,090	766
Celery seed	do	[3] 738	1,187	678	656	976	783	[2] 194	205	110	104	155	116
Cinnamon and chips of, unground	do	[2] 1,485	1,021	1,227	894	585	881	[2] 349	413	563	408	214	148
Cummin seed	do	[2] 1,560	708	1,083	1,036	991	281	[2] 221	45	95	99	99	34
Caraway seed	do	[2] 5,090	4,478	4,107	4,099	4,835	5,644	[2] 482	300	327	359	390	379
Cardamom seed	do	[2] 150	186	222	188	196	222	[2] 182	221	197	187	202	181
Capsicum or red or cayenne and chili pepper, unground	1,000 lbs.	4,085	1,299	1,976	3,264	3,173	1,657	495	161	347	501	409	158
Cassia and cassia vera	do	8,334	7,786	12,009	7,353	7,946	8,507	509	568	939	559	574	569
Cloves, unground	do	5,994	6,524	5,673	5,102	3,154	3,708	1,221	1,282	924	903	758	748
Ginger root, unground, not prepared	do	5,015	4,952	3,119	3,930	3,928	3,464	585	365	226	360	410	313
Mustard—													
Seed, unground	do	12,705	14,755	24,325	16,048	17,656	11,828	619	995	1,242	888	948	576
Ground or prepared	do	1,501	1,742	1,583	1,979	1,718	1,604	838	994	850	1,117	959	915
Nutmegs, unground	do	4,021	3,703	4,573	4,241	4,181	3,914	753	1,004	1,128	851	777	543
Mace, unground	do	[3] 691	703	876	657	751	683	[2] 411	417	590	442	473	340
Pepper, unground—													
Black	do	33,316	16,658	25,982	24,428	21,804	25,600	2,898	3,376	6,032	7,353	6,194	4,743
White	do		2,703	5,137	4,186	3,599	4,961		748	2,000	1,887	1,614	1,337
Pimento (allspice), unground	do	[2] 3,298	3,037	1,926	2,435	1,963	2,140	[2] 180	377	279	392	424	284
Tonka beans	do					562	94					496	72
Vanilla beans	do	983	1,152	903	1,440	1,400	1,232	3,331	2,828	1,935	2,290	1,872	1,811
Other spices								1,552	800	289	462	257	212
H. Sugar and related products								303,517	244,532	270,875	220,313	239,740	150,537
Sugar cane, natural	1,000 tons [13]				229	255	237				801	893	827
Beet sugar	1,000 lbs.	831	120	132	612		908	30	4	5	22		29
Cane sugar	do	8,117,916	9,420,078	8,431,414	7,736,997	9,776,778	6,989,319	295,361	232,530	258,158	207,026	209,277	129,537
Product of Philippine Islands and Virgin Islands	1,000 lbs.	614,419	773,162	1,072,715	1,172,056	1,428,381	1,590,053	30,077	30,201	48,223	47,786	49,982	51,792
Other	do	7,503,497	8,646,916	7,358,699	6,564,940	8,348,397	5,390,266	265,284	202,329	209,935	159,240	159,296	77,745
Molasses	1,000 gals.	159,362	269,725	244,904	265,802	312,138	246,134	7,138	10,472	10,613	10,237	16,024	17,632
Sugar candy and confectionery, n.e.s.	1,000 lbs.	1,560	2,638	3,034	3,757	4,022	5,892	462	766	887	976	1,012	1,112
Maple sugar and maple sirup	do	3,247	4,598	6,705	7,320	13,285	7,355	466	718	1,173	1,225	2,509	1,354

[2] Average for years 1924–25.
[3] June 18 to Dec. 30, 1930.
[5] Average for years 1922–1925.
[6] 1925 only.
[12] Average for years 1921–1923.
[13] Ton of 2,000 pounds.

No. 549.—General Imports of Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926	1927	1928	1929	1930	1921–1925	1926	1927	1928	1929	1930
GROUP 1.—VEGETABLE FOOD PRODUCTS AND BEVERAGES—Continued												
H. Sugar and related products—Continued												
Honey, 1,000 lbs.	911	291	362	106	108	205	63	41	40	25	24	27
Dextrose, lactose and levulose, do.						[3] 214						[3] 18
I. Beverages							2,215	1,637	1,828	1,830	1,878	1,410
Lemon, lime, and sour orange juice, not more than 2 per cent alcohol, 1,000 gals.	[1] 445	560	421	278	189	132	[1] 419	507	432	269	169	102
Distilled liquors, 1,000 pf. gals.	142	72	70	79	81	43	591	327	311	345	403	192
Wine, 1,000 gals.	377	49	27	51	21	45	726	145	67	112	49	92
Ginger ale or beer, not alcoholic, do.	[2] 69	70	76	255	88	39	[2] 93	83	87	242	104	44
Mineral water, do.	674	747	1,002	823	1,045	942	278	321	503	412	525	497
Other beverages and fruit juices							331	254	430	450	627	483
GROUP 2.—VEGETABLE PRODUCTS, INEDIBLE, EXCEPT FIBERS AND WOOD												
Total							441,405	801,682	636,582	518,529	553,660	364,923
A. Rubber and manufactures							197,785	515,957	343,987	253,020	247,420	144,298
Rubber, crude, and milk of, 1,000 lbs.	681,100	925,878	954,750	978,107	1,262,939	1,089,830	102,922	505,818	339,859	244,855	240,966	140,642
Jelutong or pontianak, do.	9,659	16,268	17,438	16,917	18,376	13,232	898	3,128	2,449	2,540	2,458	1,403
Balata, do.	1,481	792	1,303	1,638	1,631	1,124	820	327	477	431	567	423
Gutta-percha, do.	2,566	3,237	3,346	3,578	1,001	113	417	661	728	777	167	20
Guayule, do.	[2] 3,870	9,643	11,241	6,892	2,857	2,455	[2] 789	2,562	2,675	1,756	545	347
Siak and scrap, and reclaimed, do.	12,745	31,929	21,497	20,400	20,183	10,744	612	1,483	907	649	397	135
Rubber belting for machinery, do.	[1] 638	732	638	531	62		[1] 444	488	389	302	34	
Rubber tires, number		17,504	5,450	4,469	5,540	8,468		161	76	70	100	85
Other manufactures of rubber							1,377	1,328	1,407	1,641	2,185	1,243
B. Gums, resins, and balsams, n. e. s.							30,942	34,046	32,536	32,164	35,638	21,451
Varnish gums and resins—												
Damar, 1,000 lbs.	20,864	15,156	15,492	15,851	19,131	11,217	2,846	2,280	2,128	2,019	2,403	1,017
Kauri, do.		5,456	4,092	5,119	4,870	2,890		952	589	701	688	405
Lac, crude, seed, button, and stick, do.					7,976	8,689					2,579	1,730
Shellac, do.	27,183	31,296	25,102	24,056	33,335	18,982	14,958	10,515	10,395	10,210	12,789	5,190
All other, do.	[1] 33,884	51,344	49,231	44,955	37,976	20,773	[1] 4,611	6,563	6,904	6,290	3,013	1,415
Tar, pitch, and turpentine							[1] 200	517	350	291	335	213
Camphor—												
Natural, crude, 1,000 lbs.	2,248	2,019	1,690	4,365	4,204	1,058	1,341	1,158	810	1,649	1,580	419
Natural, refined, do.	2,691	1,170	1,481	1,176	1,431	1,032	1,758	763	823	593	703	557
Synthetic, do.		2,944	2,934	2,265	3,957	2,405		1,558	1,233	809	1,376	851
Chicle, do.	8,913	12,381	12,167	12,435	13,223	13,957	4,455	6,204	6,156	6,296	6,621	7,021

Balsam, crude	do	395	325	413	401	407	398	196	181	204	189	228	199
Arabic or Senegal	do	8,034	10,268	8,056	9,537	8,471	6,954	842	1,002	691	770	913	973
Tragacanth	do	[1] 1,000	1,415	1,434	1,708	2,107	1,003	[1] 423	740	756	882	947	443
Kadaya (karaya) and talka	do					4,064	3,786					556	334
Rosin	do				2,088	1,015	579				83	35	19
Other gums and resins, n. e. s								1,406	1,615	1,466	1,381	890	663
C. Drugs, herbs, leaves, roots, etc								6,527	9,221	9,034	10,858	10,581	7,678
Cinchona bark or other from which quinine may be extracted	1,000 lbs	2,333	3,906	1,936	1,544	1,960	1,939	729	1,056	546	414	552	585
Pyrethrum or insecticide flowers	do	[1] 4,451	9,853	8,993	13,689	9,013	8,536	[1] 1,413	1,219	1,220	3,602	2,061	1,333
Licorice root	do	63,499	82,015	80,195	69,402	88,267	57,372	2,167	2,375	2,174	1,872	2,260	1,350
Licorice extract	do	[1] 1,537	1,169	724	1,109	1,166	1,082	[1] 266	236	162	215	204	147
Opium, crude, 8.5 per cent or more morphia	1,000 lbs	105	144	145	103	168	122	502	952	1,044	648	1,071	686
Senna	do	[1] 3,144	3,695	2,558	2,939	2,899	2,343	[1] 272	241	179	195	194	166
All other	do	[3] 19,148	22,885	22,829	25,655	27,281	23,447	[6] 2,450	3,142	3,709	3,821	4,240	3,411
D. Oilseeds								51,204	70,505	84,562	60,749	79,335	54,845
Cottonseed	1,000 lbs	[1] 75,009	58,951	10,932	1,044	168	339	[1] 1,050	760	165	15	2	5
Castor beans	do	79,797	100,908	122,957	140,499	175,342	103,061	2,998	3,385	4,309	4,878	6,226	3,163
Copra	do	289,278	457,599	450,995	501,990	570,931	595,339	12,330	23,513	20,641	22,778	24,195	21,787
Flaxseed	1,000 bus. of 56 lbs	16,934	22,550	21,821	17,579	24,243	12,662	34,045	41,383	38,059	31,245	46,549	26,732
Poppy seed	1,000 lbs	[1] 5,183	5,161	5,950	6,240	6,432	6,084	[1] 489	535	571	477	437	413
Perilla and sesame seed	do		2,883	2,949	9,996	18,340	55,666		156	157	471	777	1,643
Other oil seeds	do	26,805	17,980	17,119	23,581	32,168	36,301	908	772	660	884	1,150	1,103
E. Vegetable oils								51,029	70,842	67,133	69,139	91,486	66,216
Expressed oils and fats								45,752	64,269	60,684	62,440	83,910	60,573
Tung oil	1,000 lbs	75,354	83,004	89,650	109,222	119,678	126,323	9,247	9,148	11,810	13,419	14,972	12,487
Coconut oil—													
Product of Philippine Islands	do	205,191	245,129	293,370	290,637	411,936	317,919	15,850	22,088	22,900	23,061	29,552	19,901
All other	do	6,181						516					
Olive oil, inedible—													
Sulphured or foots	do	34,009	40,300	42,307	39,547	45,874	62,783	2,857	3,307	3,694	2,896	3,128	3,400
Other	do		9,925	6,819	8,724	10,332	7,113		1,302	1,115	1,176	1,339	661
Palm oil	do	90,025	130,747	159,911	169,228	261,816	287,493	6,515	10,112	11,040	11,067	17,500	16,327
Palm-kernel oil	do	[3] 19,918	74,980	43,115	53,812	69,909	29,104	[3] 1,776	7,087	3,547	4,369	5,301	1,771
Sesame oil	do		8,862	1,704	6,239	21,588	10,876		1,046	203	665	1,915	878
Vegetable tallow	do	[1] 6,726	3,779	5,688	5,341	11,530	7,122	[1] 487	312	390	358	812	428
Vegetable wax	do	7,704	8,234	10,150	4,012	4,618	2,483	1,266	2,250	2,627	720	724	339
Rape seed (colza) oil	1,000 gals	1,708	2,768	2,547	2,250	2,507	2,115	1,242	2,031	1,570	1,504	1,504	1,106
Linseed oil	1,000 lbs	54,836	15,041	946	173	9,961	2,125	4,326	1,033	77	14	739	205
Soybean oil	do	20,975	30,712	14,915	13,116	19,489	8,348	1,305	2,151	888	824	1,217	463
Carnauba wax	do				5,471	6,849	7,416				1,516	1,537	1,435
Perilla oil	do				2,011	5,574	8,838				214	638	884
Other expressed oils	do	[1] 16,197	21,369	7,678	7,848	38,915	3,533	1,267	2,404	823	637	2,948	286

[1] Average for years 1923–1925.
[2] Average for years 1924–25.
[3] Average for years 1921 and 1924–25.
[5] June 18 to Dec. 30, 1930.
[6] Average for years 1922–1925.

No. 549.—General Imports of Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926	1927	1928	1929	1930	1921–1925	1926	1927	1928	1929	1930
GROUP 2.—VEGETABLE PRODUCTS, INEDIBLE, ETC.—Continued												
E. Vegetable oils—Continued.												
Essential and distilled oils							5,278	6,573	6,449	6,699	7,576	5,643
Cassia and cinnamon, 1,000 lbs.		322	378	319	354	372		474	488	383	470	373
Geranium, do.	[1] 156	222	186	173	90	189	[1] 746	526	469	528	381	593
Otto of roses, 1,000 oz.	[2] 52	34	26	35	49	18	[2] 282	304	297	354	411	216
Bergamot, 1,000 lbs.	[1] 99	76	104	100	113	176	[1] 303	418	628	506	481	440
Citronella and lemon grass, do.	[1] 1,108	1,320	1,466	1,408	1,341	1,097	[1] 804	745	612	569	522	542
Lavender and spike lavender, do.	[1] 2,217	198	323	296	381	376	[1] 604	509	927	708	906	722
Lemon, do.	530	508	400	477	345	624	382	974	723	1,037	1,096	588
Orange, do.	[1] 218	209	204	196	216	166	[1] 478	506	495	709	854	362
Sandalwood, do.	[2] 39	5	4	12	29	19	[2] 183	13	16	41	140	80
All other essential and distilled oils, do.	[2] 3,170	3,432	3,496	3,860	4,239	3,065	3,098	2,043	1,793	1,865	2,214	1,726
F. Dyeing and tanning materials, n. e. s.							8,142	7,890	10,103	9,245	8,109	7,414
Logwood, tons.	26,797	24,026	32,211	33,113	28,155	24,253	514	510	578	611	431	375
Myrobalans fruit, do.	[1] 16,012	13,774	27,376	16,179	16,504	12,335	[1] 415	488	978	558	473	293
Quebracho wood, do.	26,439	32,068	60,926	75,995	70,608	44,114	368	510	1,068	1,228	1,037	640
Sumac, do.	4,935	3,871	4,573	3,905	3,579	3,946	347	304	267	194	213	231
Valonia, 1,000 lbs.	[1] 17,622	19,413	10,435	11,807	18,402	36,096	[1] 307	332	245	317	305	454
Gambier or terra japonica, do.	6,184	4,016	3,939	3,862	5,277	2,615	433	366	276	235	338	162
Wattle bark, do.					13,809	9,784					271	172
Other crude, do.	[1] 68,267	66,661	76,543	67,375	30,919	31,795	1,208	1,309	1,550	1,495	762	731
Extracts for dyeing, coloring, etc., do.	3,153	2,373	1,275	1,441	1,799	1,006	255	229	131	121	129	103
Extracts for tanning—												
Quebracho, do.	117,246	102,162	112,092	97,040	82,377	87,377	4,335	3,745	4,930	4,320	3,783	3,838
All other, do.	6,905	2,928	1,792	4,043	11,044	13,453	249	97	82	165	367	415
G. Seeds, except oil seeds, do.							11,528	11,648	9,523	9,112	8,972	6,778
Field seeds—												
Alfalfa, do.	[1] 7,184	4,826	3,493	635	999	368	[1] 966	838	697	103	141	51
Clover, do.	33,994	40,212	21,548	23,606	22,108	11,086	4,618	5,631	4,028	3,581	3,129	1,154
Red, do.	12,089	18,157	7,285	6,565	6,438	2,046	1,996	3,166	1,577	1,266	937	194
Alsike, do.	[1] 9,532	5,555	6,161	6,364	6,804	4,198	[1] 1,319	1,129	1,539	1,251	1,280	543
Crimson, do.	[1] 6,067	4,078	1,246	3,046	3,296	3,516	[1] 403	252	168	286	306	189
Other, do.	12,546	12,422	6,856	7,631	5,570	1,326	1,589	1,083	744	778	606	228
Vetch, do.	[1] 9,066	4,175	4,220	4,276	3,265	2,424	[1] 945	276	297	247	185	94
Grass seeds, do.	10,447	8,692	7,641	9,691	7,729	6,903	1,070	1,116	935	1,305	1,219	932
Sugar-beet seeds, do.	10,510	10,790	13,379	13,023	15,503	14,471	1,206	1,181	1,367	1,302	1,548	1,615
Other seeds							1,453	2		4	393	392
Garden and flower seeds—												
Cabbage, do.	[1] 416	311	282	243	137	351	[1] 114	169	150	123	93	204
Canary, do.	[1] 11,749	14,595	14,347	16,763	17,608	15,929	[1] 551	527	407	501	718	687
Turnip, do.	[1] 1,442	2,287	1,329	1,766	759	1,380	[1] 176	256	146	135	93	167

Onion ..... do					193	205					290	309
All other ..... do	[1] 5,263	6,343	4,944	7,026	6,210	5,899	1,529	1,651	1,497	1,761	1,195	1,174
H. Nursery and greenhouse stock							7,283	7,498	7,401	7,750	7,638	6,855
Bulbs, roots, and corms—												
Hyacinth ..... thousands	261,063	24,180	22,243	23,087	20,312	21,883	6,739	1,663	1,673	1,668	1,445	1,129
Lily, tulip, and narcissus ..... do		219,139	216,609	241,798	207,982	209,414		5,107	4,970	5,328	5,543	5,030
Crocus and other ..... do		20,532	21,970	26,561	15,449	17,584		262	257	289	228	259
Trees, plants, cuttings, and seedlings—												
Fruit stock ..... do		13,236	12,255	12,656	9,176	11,250	494	95	92	86	53	65
Rose stocks and plants ..... do		13,133	13,027	10,789	12,651	12,822		193	195	157	193	194
All other ..... do			1,229	562	271	277		178	215	227	173	176
I. Tobacco and manufactures							73,230	69,480	82,987	63,056	60,617	46,572
Unmanufactured ..... 1,000 lbs	66,942	67,906	102,754	74,797	68,066	71,544	64,831	60,570	74,616	55,160	53,821	40,922
Product of Philippine Islands ..... do	1,189	908	1,611	3,727	3,963	4,660	177	197	253	521	443	528
Leaf, for cigar wrappers ..... do	6,342	6,551	5,784	6,631	8,563	3,858	14,385	14,747	12,438	13,630	15,750	6,177
Cigar leaf (filler)—												
Unstemmed ..... do	58,078	8,012	8,148	7,235	6,706	5,487	49,794	7,266	6,460	5,765	5,010	4,049
Stemmed ..... do		14,659	15,395	14,647	15,551	14,228		15,350	13,719	13,996	13,883	11,755
Cigarette leaf, unstemmed ..... do		36,159	69,820	40,335	31,004	39,872		22,519	41,207	20,614	18,072	17,725
Scrap ..... do	1,334	1,616	1,997	2,222	2,279	2,326	475	491	540	634	663	650
Stems, not cut, or ground ..... do						[5] 1,093						[5] 38
Manufactures of tobacco—												
Cigars and cheroots—												
Product of Philippine Islands ..... do	2,924	3,021	2,645	2,574	2,073	1,901	4,473	5,047	4,142	4,190	3,341	2,997
Other cigars and cheroots ..... do	435	424	413	390	381	280	3,542	3,309	3,742	3,350	3,111	2,368
Cigarettes, product of Philippine Islands ..... 1,000 lbs	3	38	37	25	17	6	6	43	52	39	28	12
All other manufactures, n. s. p. f ..... do	297	375	403	274	211	221	378	520	435	316	316	273
J. Miscellaneous vegetable products							3,785	4,787	4,336	3,430	3,856	2,812
Agar-agar ..... 1,000 lbs		451	366	374	561	399		297	230	274	435	306
Hops ..... do	969	568	554	581	765	1,099	357	378	315	189	174	160
Starch ..... do	10,664	23,181	30,260	20,254	31,193	15,053	405	807	1,175	790	857	325
Vegetable ivory, or tagua nuts ..... do	31,976	25,862	28,654	23,325	26,633	12,578	1,200	1,277	794	663	649	254
Moss, seaweed, etc., crude ..... do							500	441	325	424	404	335
Peat moss ..... tons of 2,240 lbs						[5] 30,290						[5] 383
Broom corn ..... do	[14] 100	610	17	155			[14] 12	85	2	20		
All other							1,317	1,503	1,494	1,070	1,337	1,049
GROUP 3.—TEXTILES												
Total							892,920	997,496	952,002	916,715	1,001,909	600,708
A. Cotton, unmanufactured ..... 1,000 lbs	185,968	181,393	205,609	172,037	223,275	128,373	46,280	46,240	45,669	42,797	53,333	25,274
Long staple ..... do	[6] 56,364	53,733	69,580	42,655	51,726	38,804	[6] 19,187	18,582	19,624	14,178	17,687	10,817
Short staple ..... do	[6] 116,596	127,661	136,029	129,382	171,549	89,569	[6] 30,437	27,657	26,044	28,620	35,646	14,457
B. Cotton, semimanufactures							8,388	6,462	5,397	6,323	5,810	3,114
Cotton waste ..... 1,000 lbs	36,068	29,736	24,730	48,108	41,208	25,331	3,337	2,147	1,623	3,012	2,478	1,302
Yarns and warps—												
Not bleached, dyed, or plied, etc ..... do	4,238	93	34	20	12	5	5,052	33	22	21	12	6
Bleached, dyed, combed, or plied ..... do		3,568	3,271	2,577	2,669	1,649		4,232	3,753	3,290	3,320	1,805

[1] Average for years 1923–1925. [2] Average for years 1924–1925. [5] June 18 to Dec. 30, 1930. [6] Average for years 1922–1925. [14] Average for years 1921 and 1925.

No. 549.—General Imports of Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926	1927	1928	1929	1930	1921–1925	1926	1927	1928	1929	1930
GROUP 3.—TEXTILES—Continued												
C. Cotton manufactures							78,178	60,697	60,800	62,972	63,454	43,106
Sewing thread, crochet, darning, embroidery, and knitting cotton—million yds.	4,140	2,189	2,138	1,777	1,610	1,446	2,890	2,388	1,962	1,482	1,226	1,019
Cotton cloth—1,000 sq. yds.	150,874	60,630	63,002	61,295	61,185	35,517	35,963	16,258	15,596	15,842	15,901	9,426
Not bleached—do.	67,387	33,115	27,451	23,515	20,455	11,320	13,290	6,839	5,156	4,753	4,499	2,389
Bleached—do.	14,001	5,236	10,146	11,301	13,163	6,988	3,747	1,533	2,154	2,408	2,557	1,453
Colored, dyed, printed, etc., and woven figured—1,000 sq. yds.	69,486	22,329	25,405	26,479	27,567	17,209	18,926	7,886	8,286	8,681	8,845	5,583
Cotton fabrics, n. e. s.							2,988	7,751	9,136	9,119	8,462	5,830
Cloth, chief value cotton, less than 17 per cent wool—1,000 lbs.						[5] 42						[5] 20
Table damask and manufactures							[1] 405	314	302	276	336	255
Pile fabrics and manufactures							703	2,386	2,796	3,177	2,624	
Velvets and velveteens—1,000 sq. yds.				3,550	3,145	698				2,750	2,326	512
Other										427	298	484
Tapestries and other Jacquard woven upholstery cloths							1,867	4,345	5,468	5,068	4,650	3,416
Blankets—thousands		650	699	497	834			332	300	278	501	357
Table covers, napkins, doilies, etc.							[2] 400	374	269	320	301	278
Bed spreads and quilts—thousands						[5] 394						[5] 403
Sheets pillow cases, towels, etc.												[5] 104
Wearing apparel							12,815	15,294	13,901	16,085	15,605	12,014
Product of Philippine Islands							3,113	5,422	3,521	3,039	4,605	3,106
Knit goods—												
Gloves—1,000 doz. prs.	1,414	2,111	2,190	2,494	1,978	1,762	4,480	6,514	6,544	8,230	5,809	5,757
Hosiery—do.	764	497	528	797	912	512	1,635	1,612	1,793	2,593	2,606	1,523
Underwear and other knit goods							244	291	431	375	663	422
Wearing apparel wholly or partly of lace, or embroidered, beaded, etc.							[1] 2,632	624	717	750	813	606
All other							1,765	832	895	1,398	1,108	599
Other cotton manufactures							23,523	19,007	20,206	19,544	22,260	14,817
Handkerchiefs and mufflers—												
Not of lace, embroidered, etc.—1,000 lbs.	[1] 608	278	228	199	214	133	2,145	878	681	626	652	407
Lace trimmed, or embroidered, etc.—do.		257	347	406	348			1,278	1,302	1,194	1,272	511
Laces, embroideries, etc.							6,576	12,086	12,476	11,253	11,723	8,756
Product of Philippine Islands							296	369	361	467	929	426
Handmade laces							1,770	983	1,266	720	587	395
Machine-made laces							10,006	6,122	6,328	6,154	7,158	5,244

Articles in part of lace							[1] 1,304	1,237	1,379	1,474	1,365	994
Lace window curtains 1,000 sq. yds.	1,461	1,464	2,338	1,858	962		610	500	668	515	287	273
Embroideries							833	673	637	647	403	577
All other laces, embroideries, etc.							2,273	2,203	1,837	1,276	995	847
Carpets, carpetings, mats, and rugs 1,000 sq. yds.					5,398	4,303					2,848	1,715
Other cotton manufactures, n. e. s.							4,802	4,764	5,747	6,473	5,765	3,428
D. Jute and manufactures							76,556	113,339	90,087	101,277	95,989	67,855
Jute, unmanufactured tons of 2,240 lbs.	71,358	62,390	80,836	59,506	57,349	41,651	9,002	13,968	11,319	8,773	8,058	5,091
Jute butts, unmanufactured do.		6,373	11,579	30,543	30,470	19,374		820	835	2,884	3,214	1,485
Waste bagging and waste sackcloth 1,000 lbs.	[1] 11,630	62,555	37,262	22,024	33,587	37,592	[1] 265	2,905	950	484	622	636
Burlaps do.	559,263	508,977	569,649	619,987	643,845	598,157	60,406	82,238	67,249	80,087	77,377	53,300
Bagging for cotton							1,822	6,158	4,230	3,057	1,856	2,358
Woven fabrics, n. e. s. 1,000 lbs.	[1] 2,151	1,968	2,567	2,076	2,427	1,156	[1] 705	684	709	615	722	336
Jute bags or sacks do.	47,803	47,395	38,793	42,189	32,198	43,315	4,175	5,972	3,963	4,565	3,170	3,059
Yarns, single do.	[1] 4,061	1,463	2,514	76	2	66	[1] 453	173	286	10	1	9
Cordage do.						[5] 149						[6] 22
Other jute manufactures							[6] 372	420	486	801	969	559
E. Flax, hemp, and ramie, and manufactures							48,197	51,152	53,591	49,262	48,886	36,832
Flax, unmanufactured tons of 2,240 lbs.	5,254	6,822	4,496	5,539	5,657	6,614	2,984	3,261	2,154	3,869	3,277	2,840
Hackled do.	1,522	1,856	1,683	2,140	2,126	2,096	1,720	1,516	1,140	2,237	1,867	1,430
All other do.	3,732	4,966	2,813	3,399	3,531	4,518	1,264	1,745	1,014	1,632	1,410	1,410
Hemp, unmanufactured do.	3,921	2,300	1,697	1,684	1,401	1,457	1,162	860	525	575	407	379
Manufactures of flax, hemp, and ramie							44,051	47,031	50,913	44,818	45,200	33,613
Single yarns 1,000 lbs.	4,764	2,727	2,768	2,293	2,759	2,345	1,484	1,330	1,325	1,216	1,216	931
Thread and twine do.	[1] 640	699	564	417	458	344	[1] 721	745	[4] 602	470	563	398
Fabrics							25,011	25,356	26,758	23,842	24,193	15,985
Plain woven fabrics, weighing less than 4½ oz. per sq. yd. 1,000 lbs.	[1] 5,337	2,869	3,861	3,839	4,843	3,493	[1] 7,577	3,925	4,942	4,842	4,671	3,885
Woven fabrics of flax 30 to 100 threads to the sq. inch, 4½ to 12 oz. to the sq. yd., 12 to 24 inches in width 1,000 lbs.	[1] 4,049	3,578	2,642	2,039	1,988	1,577	[1] 3,060	2,502	1,779	1,346	1,220	915
Pile fabrics and manufactures 1,000 lbs.						103						152
Woven fabrics for padding or interlining 1,000 lbs.						799						300
Table-damask and manufactures							[1] 5,781	6,732	6,977	6,178	7,116	5,169
Other woven fabrics, flax, chief value 1,000 lbs.	[1] 11,500	11,890	11,103	8,998	9,756	8,472	[1] 12,370	9,764	9,411	7,523	7,390	5,563
Other fabrics of hemp or ramie do.		3,689	4,215	3,675	3,531		[1] 1,577	2,433	3,649	3,953	2,796	
Wearing apparel							429	264	327	490		648
Towels or napkins and bed clothing thousands	[3] 14,206	26,033	30,298	19,412	21,025	28,263	[3] 3,144	4,248	4,256	3,179	3,317	3,668
Handkerchiefs—												
Not embroidered nor of lace 1,000 doz.	2,301	2,777	3,716	3,772	4,449	3,138	3,663	3,297	4,006	3,825	4,175	2,950
Made of lace or embroidered do.		1,033	1,306	1,413	1,737	2,034		1,651	1,964	1,975	2,228	2,002

[1] Average for years 1923–1925. [3] Average for years 1924–25. [5] June 18 to Dec. 31, 1930. [6] Average for years 1922–1925.

No. 549.—General Imports of Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926	1927	1928	1929	1930	1921–1925	1926	1927	1928	1929	1930
GROUP 3.—TEXTILES—Continued												
E. Flax, hemp, and ramie, and manufactures—Con.												
Laces, embroideries, etc.—												
Product of Philippine Islands							[15] 65	54	188	40	9	4,230
Embroideries and embroidered articles							5,175	5,257	6,381	5,617	5,349	
Laces, drawn work, etc								1,165	1,155	1,109	739	477
Woven articles and mfrs. of flax, n. e. s							4,604	2,967	3,261	2,489	2,037	2,327
Mfrs. of flax, hemp, ramie, etc., n. e. s							1,962	701	691	565	619	
F. Other vegetable fibers and manufactures							37,034	53,435	45,835	41,705	47,440	29,576
Unmanufactured fiber—tons of 2,240 lbs	213,452	222,866	206,069	215,743	238,032	182,650	33,363	49,013	39,286	35,569	40,239	25,415
Istle or tampico fiber—do	12,248	13,439	13,391	13,507	11,678	11,112	1,212	1,927	1,886	1,631	1,289	1,051
Manila or abaca fiber—do	71,452	69,270	51,421	47,313	72,190	64,052	12,318	18,282	13,138	9,558	13,496	8,844
New Zealand fiber—do	[15] 917	5,549	4,568	2,861	4,054	2,844	[15] 151	980	717	402	576	377
Sisal and henequen fiber—do	109,124	119,009	118,829	134,616	134,683	85,661	14,478	21,762	[1] 18,219	19,533	21,088	11,864
Kapok fiber—do	8,324	7,945	9,221	7,440	7,133	8,142	3,647	4,863	4,496	3,210	2,841	2,480
All other, n. e. s—do	12,121	7,654	8,579	10,006	8,294	10,839	1,682	1,199	830	1,206	949	798
Manufactures of—												
Binding twine—1,000 lbs	9,791	7,451	15,805	13,438	18,946	12,173	1,134	933	1,837	1,311	2,013	1,311
Cordage—												
Product of the Philippine Islands—do	[1] 5,056	6,571	5,693	5,903	6,937	7,514	[1] 632	893	838	781	951	991
Other—do	[1] 3,200	4,288	6,009	6,462	9,647	3,338	[1] 496	662	857	863	1,202	445
Other manufactures							1,789	1,933	3,117	3,182	2,945	1,446
I. Wool, including mohair, etc., unmanufactured—1,000 lbs	339,811	310,266	267,237	244,553	280,371	163,734	102,369	106,721	82,933	79,661	87,344	37,092
Carpet wool (actual weight)—do	138,453	115,521	144,256	149,326	175,007	93,404	29,695	30,102	37,470	37,947	46,089	18,994
On the skin or in the grease—do	[2] 115,270	77,001	99,942	107,876	125,617	64,416	[2] 30,534	19,519	24,620	25,904	31,900	12,422
Washed or scoured—do	[2] 34,194	38,520	44,314	41,450	49,390	28,989	[2] 10,169	10,583	12,850	12,043	15,089	6,592
Clothing wool (actual weight)—do	63,677	15,223	17,461	18,408	18,498	14,702	17,137	5,371	6,020	8,051	6,966	3,841
In the grease and washed—do	[2] 16,192	14,876	16,772	17,580	17,654	12,853	[2] 6,740	5,163	5,657	7,450	6,453	3,366
Scoured—do	[2] 4,440	347	689	823	844	1,849	[2] 2,778	208	363	601	512	475
Combing wool (actual weight)—do	132,028	168,708	102,791	72,627	83,709	54,364	53,335	65,915	28,265	31,729	31,901	13,342
In the grease and washed—do	[3] 124,432	166,969	101,363	71,122	82,677	53,023	[2] 62,016	64,798	37,451	30,814	31,266	12,816
Scoured—do	[2] 5,120	1,739	1,428	1,505	1,032	1,335	[2] 3,452	1,118	814	915	635	526
Hair of the Angora goat, Cashmere goat, alpaca, etc. (actual weight)—1,000 lbs	5,653	10,814	2,779	4,193	3,156	1,252	2,201	5,332	1,179	2,134	1,489	910
Hair of the Angora goat (mohair)—do	[1] 3,454	10,666	2,499	3,263	1,968	427	[1] 1,665	5,249	1,028	1,633	812	177
Hair of the Cashmere goat, alpaca, etc.—do	[1] 1,236	148	281	929	1,188	825	[1] 518	83	141	501	677	733
Wool, carbonized—do						[5] 12						[5] 5

J. Wool, semimanufactures							20,544	11,473	14,579	16,131	13,632	6,439
Noils	1,000 lbs	33,041	4,733	9,137	8,499	6,002	3,595	12,161	2,568	5,684	6,330	4,785	2,297
Wool rags, flocks, and mungo	do		20,320	19,409	23,003	20,486	7,092		5,725	5,780	6,657	5,752	1,852
Waste	do		3,993	4,451	4,678	2,847	2,107		2,215	2,219	2,695	1,613	759
Tops and other wool advanced	do	4,902	99	235	65	738	291	3,288	59	417	63	743	309
Yarns	do	3,967	664	289	205	240	252	5,094	906	479	386	738	1,220
Mohair	do	[2] 774	327	115	60	76	74	[2] 958	372	130	75	374	453
Wool or other hair	do	[2] 1,256	337	174	144	163	188	[2] 1,958	534	349	311	364	767
K. Wool manufactures							44,048	59,194	64,196	62,260	64,869	33,703
Woven fabrics of mohair and wool	1,000 sq. yds	[2] 22,082	19,498	22,421	18,641	19,518	9,219	18,774	20,949	22,285	19,285	20,023	10,172
	1,000 lbs	9,936	10,312	11,210	9,919	10,037	4,788						
Mohair fabrics	1,000 sq. yds	[2] 396	148	572	416	402	340	[1] 214	79	226	170	173	126
	1,000 lbs	[1] 102	40	119	91	96	75						
Worsteds—													
Weighing not over 4 oz. per sq. yd	1,000 sq. yds	[2] 4,442	4,257	6,364	4,361	5,047	1,974	[2] 2,022	1,892	2,653	1,823	2,042	756
	1,000 lbs	[2] 933	855	1,320	896	1,052	410						
Weighing over 4 oz. per sq. yd	1,000 sq. yds	[2] 1,580	1,389	1,586	2,096	2,775	1,318	[2] 1,924	2,211	2,413	3,123	3,831	1,747
	1,000 lbs	[2] 806	771	856	1,133	1,485	694						
Woolens—													
Weighing over 4 oz. per sq. yd	1,000 sq. yds	[2] 15,666	13,704	13,901	11,769	11,294	5,587	[2] 17,246	16,767	16,992	14,169	13,977	7,014
	1,000 lbs	[2] 9,422	8,647	8,916	7,799	7,404	3,609						
Other fabrics of wool	do	[1] 34	18	42	24	13	396	[1] 72	50	206	120	63	528
Carpets and rugs	1,000 sq. yds	2,365	3,282	3,282	3,185	3,340	2,034	13,148	21,099	21,503	21,454	21,509	12,076
Oriental, Axminster, Savonnerie, Aubusson, oriental weave, and chenille Axminster	1,000 sq. yds	[1] 2,187	2,589	2,381	2,229	2,304	1,301	[1] 14,423	19,328	18,908	18,413	18,007	10,358
All other	do	[1] 610	703	900	956	1,036	733	[1] 1,389	1,771	2,595	3,041	3,442	1,719
Wearing apparel							9,610	14,644	16,869	18,415	19,975	10,300
Knit goods—													
Hosiery	1,000 doz. prs	[1] 506	372	384	399	394	230	[1] 3,188	2,674	2,539	2,531	2,337	1,312
Gloves and mittens	do	[1] 183	152	162	140	98	73	[1] 471	340	343	282	194	145
Knit outer and underwear	1,000 lbs	[1] 310	286	455	505	527	756	[1] 1,193	1,213	2,017	2,360	2,693	2,077
Hats and hat bodies of wool-felt	do	[1] 1,775	4,375	1,758	5,350	7,295	3,205	[1] 5,738	10,416	3,122	8,229	10,741	3,891
Hat bodies of wool-felt	1,000 doz				2,606	3,758	1,698				7,520	10,240	3,805
	1,000 lbs				4,898	7,059	3,171						
Hats of wool-felt	1,000 doz				244	113	19				309	501	86
	1,000 lbs				452	236	34						
All other wearing apparel	do			3,462	1,441	893	514			8,848	5,014	4,010	2,276
Wool laces, embroideries, etc							[2] 730	215	297	421	428	293
Other manufactures of wool							2,173	2,238	3,036	2,565	2,869	862

[1] Average for years 1923 to 1925. [2] Average for years 1924–25. [3] June 18 to Dec. 31, 1930. [10] 1921 only.

No. 549.—General Imports of Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926	1927	1928	1929	1930	1921–1925	1926	1927	1928	1929	1930
Group 3. Textiles—Continued												
L. Hair and manufactures, n. e. s.							8,944	7,302	6,065	4,827	5,464	3,624
Human hair—												
Raw, uncleaned (1,000 lbs.)	1,581	3,128	2,786	2,292	2,074	2,722	800	1,261	1,223	858	571	630
Cleaned and drawn, not manufactured (1,000 lbs.)		3	5	3	5	1		12	8	8	7	6
Nets and netting of human hair (1,000 gross)		806	553	484	665	540	[17] 4,585	933	570	482	631	430
Other manufactures of human hair								227	188	136	174	117
Horse hair, tails, or manes (1,000 lbs.)	4,899	4,670	4,757	4,099	3,692	3,461	2,336	2,618	2,558	2,112	1,907	1,432
Cattle body hair, ordinary (do.)	9,275	17,719	8,127	4,409	8,500	4,345	1,152	2,030	1,411	432	679	321
Other animal hair, n. e. s. (do.)				3,410	8,247	3,490				740	1,442	637
Manufactures of horse and cattle hair (do.)	[3] 665	758	263	195	179	193	[3] 120	220	106	60	53	50
M. Silk, unmanufactured (1,000 lbs.)	62,030	77,666	80,945	88,269	98,016	81,993	356,287	402,676	399,088	373,331	432,340	286,138
Raw silk (do.)	52,119	66,422	74,005	75,489	87,068	73,733	348,123	392,700	390,365	367,997	427,126	262,913
Silk, waste, and cocoons (do.)	9,911	11,244	12,340	12,780	10,948	8,260	8,163	9,916	8,722	5,334	5,214	3,225
N. Silk manufactures							40,941	40,570	42,234	41,368	39,037	18,687
Spun silk or schappe silk yarn (1,000 lbs.)	1,383	582	873	623	313	189	4,385	1,824	2,103	1,754	883	440
Singles (do.)	[1] 243	92	81	49	52	27	[1] 842	264	157	141	174	96
Advanced (do.)	[1] 1,109	490	792	574	261	162	[1] 3,927	1,560	1,945	1,613	710	344
Bolting cloths (do.)	[1] 21	25	24	30	21	14	488	617	605	741	594	412
Fabrics, broad, except pile fabrics (do.)	2,959	3,739	3,526	3,448	3,868	2,000	17,580	18,627	17,862	16,426	16,811	8,001
All silk—												
In the gray (do.)	[1] 1,575	2,278	2,123	2,072	2,354	[16] 914	[1] 8,950	9,931	8,059	6,811	6,575	[16] 2,199
Dyed, colored, advanced (do.)	[1] 782	970	989	1,120	1,111	[16] 330	[1] 5,435	7,044	8,368	8,680	8,296	[16] 2,546
Mixed, chief value, silk (do.)	[1] 272	491	414	256	392	[16] 274	[1] 831	1,651	1,434	935	1,941	[16] 1,404
Fabrics not over 30 inches wide—												
Not jacquard, figured (1,000 sq. yds.)						[5] 427						[5] 269
Not jacquard, figured (1,000 lbs.)						[5] 61						
Jacquard, figured (1,000 sq. yds.)						[5] 87						[5] 106
Jacquard, figured (1,000 lbs.)						[5] 13						
Fabrics over 30 inches wide—												
Not jacquard, figured (1,000 sq. yds.)						[6] 3,765						[5] 1,191
Not jacquard, figured (1,000 lbs.)						[5] 383						
Jacquard, figured (1,000 sq. yds.)						[5] 119						[5] 196
Jacquard, figured (1,000 lbs.)						[5] 25						
Pile fabrics (do.)	660	428	708	1,048	957	223	4,029	2,839	4,696	7,579	6,585	1,040
Pile ribbons (do.)		131	110	72	46	59		640	639	426	292	285
Ribbons, braids, and narrow fabrics							670	404	450	275	220	112

Silk wearing apparel							6,310	8,334	8,556	7,743	7,453	4,651
Product of Philippine Islands							16		76	90	186	104
Shirts, collars, and clothing, not knit							5,404	3,897	3,790	3,870	3,542	2,081
Embroidered, etc., or of lace								4,192	4,314	3,514	3,460	2,272
Knit or crocheted								245	375	269	265	194
Silk handkerchiefs and mufflers—												
Hemmed or not hemmed 1,000 doz	483	522	631	477	523	308	923	1,160	1,331	949	1,025	634
Embroidered or of lace do		147	195	296	284	70		230	239	236	200	53
Silk laces, embroideries, etc							4,722	4,259	4,315	4,081	3,831	2,421
Laces and lace articles							[1] 2,294	1,639	1,691	2,147	2,042	1,583
Embroideries							[1] 1,281	1,910	2,072	1,612	1,482	687
All other							[1] 775	710	553	323	306	151
All other manufactures of silk							1,834	1,634	1,538	1,178	1,442	631
O. Rayon manufactures							9,216	14,666	18,905	15,769	18,666	8,375
Waste and yarns made from waste 1,000 lbs	[1] 4,639	4,528	2,299	2,748	5,024	1,462	[1] 1,525	1,413	639	405	1,285	205
Yarns, threads, and filaments do	3,675	10,063	16,236	12,734	15,950	6,264	5,440	9,051	13,064	10,902	12,147	4,853
Fabrics, woven and knit 1,000 lbs					286	267					1,252	942
All other manufactures							2,438	3,435	4,425	4,189	3,361	1,688
Artificial horsehair and manufactures							424	767	177	273	620	686
P. Miscellaneous textile products							15,989	23,564	22,524	18,811	25,627	20,760
Hats of straw or fiber and materials							10,213	15,156	14,289	10,823	18,754	15,610
Materials—Braids, etc., of straw, etc. 1,000 yds	1,226,751	1,417,171	1,256,067	638,349	798,675		5,329	4,885	5,234	3,060	4,403	3,994
Hats of straw, grass, etc thousands		29,571	32,498	22,235	37,606	29,627	4,884	10,271	9,054	7,763	14,351	11,616
Product of Philippine Islands do	344	743	365	673	810	577	521	1,483	852	1,855	2,019	873
Not blocked or trimmed do	11,873	7,289	5,966	4,286	7,560	13,126	2,605	4,692	4,005	3,464	6,099	8,708
Blocked or trimmed do	3,515	3,969	3,595	1,043	4,720	2,423	935	1,914	2,017	781	2,844	1,197
Sewed do	[2] 2,257	2,144	2,268	2,839	7,681	685	[2] 1,253	1,105	1,117	1,060	2,458	270
Harvest hats less then $3 per dozen do	[2] 14,234	15,425	20,304	13,393	16,835	12,797	[2] 802	1,078	1,063	603	931	552
Hats, n. e. s. in part of rayon or other synthetic textile thousands						[3] 19						[3] 16
Floor coverings, n. e. s.—												
Mats of coco fiber or rattan 1,000 sq. ft		4,166	3,690	4,624	4,059	3,484		442	363	468	403	353
Matting and mats of China, Japan, and India straw 1,000 sq. yds	7,034	3,335	2,886	1,507	1,425	1,250	1,297	472	351	176	170	132
Other floor coverings do		4,803	5,035	3,675	3,538	3,416		1,042	1,027	851	1,095	946
Artificial flowers, etc. and manufactures							[1] 3,255	2,975	3,798	3,901	2,692	1,805
Body supporting garments												[3] 326
Mixed fabrics, 17 per cent or more of wool, wool not chief value 1,000 lbs						[3] 50						[3] 91

[1] Average for years 1923–1925.
[2] Average for years 1924–25.
[3] Average for years 1921 and 1924–25.
[3] June 18 to Dec. 31, 1930.
[16] Jan. 1 to June 18, 1930.
[17] Data prior to Sept. 22, 1922, are "manufactures of hair."

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926	1927	1928	1929	1930	1921–1925	1926	1927	1928	1929	1930
GROUP 3. TEXTILES—Continued												
P. Miscellaneous textile products—Continued.												
Linoleum, inlaid, 1,000 sq. yds.	1,213	755	622	502	512	273	1,271	931	690	551	516	270
Other linoleum and floor oil cloth, do.		746	470	227	47	103		792	476	214	32	73
Tracing cloths, 1,000 sq. yds.	[1] 3,140	2,755	2,047	2,198	2,599	1,881	[1] 1,454	1,390	1,104	1,165	1,377	963
Other coated, or waterproof fabrics, do.		1,215	1,610	2,505	2,160	608		383	426	661	589	193
GROUP 4.—WOOD AND PAPER												
Total							296,590	372,753	365,572	358,779	377,328	319,466
A. Wood, unmanufactured							14,379	16,982	18,046	14,619	17,708	12,894
Cedar, 1,000 ft. b. m.	[1] 125,990	69,832	23,941	25,958	33,443	25,461	[1] 2,213	1,113	405	410	525	335
Logs of fir, spruce, or western hemlock, do.			121,540	50,644	86,994	74,720			1,614	710	1,257	914
Logs and timber (except cabinet woods), do.	[1] 91,916	107,253	108,780	80,850	71,739		2,125	2,145	2,011	1,522	1,674	1,166
Teak, do.						[5] 1,697						[5] 511
Cabinet woods in the log—												
Product of Philippine Islands, do.	[6] 928	2,043	7,418	5,116	5,847	4,811	54	108	345	207	167	215
Mahogany, do.	54,074	68,431	72,828	48,041	53,056	33,651	4,623	5,309	5,897	3,503	3,778	2,115
Cedar, Spanish [18], do.	9,277	5,577	4,231	4,779	5,239	4,525	583	343	272	331	347	292
All other, do.	[3] 7,143	8,498	7,754	8,299	17,122	7,131	692	883	951	1,271	2,340	872
Railroad ties, thousands	[1] 1,036	1,237	1,095	878	921	710	[1] 691	1,007	889	676	736	681
Rattan, unmanufactured, 1,000 lbs.	[1] 14,154	11,622	8,896	8,777	10,365	7,261	1,249	969	750	680	686	491
Poles—telegraph, telephone, etc., thousands	[1] 621	791	797	828	972	907	[1] 2,737	3,294	3,355	3,319	4,090	3,568
Brier, ivy, or laurel root, 1,000 lbs.	[3] 4,832	4,696	4,318	4,398			[3] 294	300	283	349	305	461
Other unmanufactured wood							2,101	1,513	1,275	1,640	1,803	1,374
B. Wood semimanufactures—sawmill products							68,410	74,579	64,004	54,885	54,160	35,889
Boards, planks, and deals—												
Softwood, M ft.	1,576,375	1,776,505	1,633,785	1,372,405	1,418,419	1,146,103	48,765	48,776	43,180	35,409	36,520	26,216
Hardwood, do.		91,545	72,951	58,443	85,656	39,800		4,998	4,296	3,194	4,875	2,051
Cabinet woods, sawed—												
Product of Philippine Islands, do.	10,946	26,347	32,931	33,851	34,521	28,068	638	1,225	1,634	1,538	1,582	1,367
Other cabinet woods, sawed, do.	5,239	4,774	4,980	3,675	4,190	3,319	379	365	388	305	325	309
Other lumber							[15] 2,287					
Laths, millions	1,478	1,832	1,705	1,293	787	430	8,627	9,748	7,250	6,322	3,562	1,366
Shingles, do.	2,430	2,492	1,965	2,086	1,673	1,244	9,162	8,907	6,693	7,657	6,850	4,159
Pickets and palings, thousands	[6] 45,788	55,133	57,154	50,230	43,203		[6] 478	561	585	461	446	421
C. Wood manufactures							9,055	10,483	10,615	10,636	10,837	8,428
Barrels, boxes, and shooks, thousands	[1] 1,564	3,203	1,992	2,122	1,669	1,971	[1] 365	284	354	418	255	378

Baskets—												
Product of Philippine Islands	number	57,359	14,062	3,546	3,146	(9)		24	7	2	1	(9)	
All other baskets	thousands	13,782	13,285	11,773	12,021	14,589	12,584	1,780	1,289	1,108	976	1,006	812
Cane or reed and manufactured rattan	1,000 lbs.	[1] 5,163	4,746	4,083	3,606	4,385	3,235	622	557	429	384	435	305
Osier or willow for basket making	do	[1] 1,908	1,330	829	505	413	275	[1] 128	84	41	23	25	17
Manufactures of rattan, bamboo, osier, or willow (except furniture)								[2] 574	460	210	185	161	192
Walking canes, handles, and sticks for umbrellas, etc								[1] 249	273	278	287	256	
Furniture of rattan, reed, bamboo, grass, osier, willow, or fiber								2,479	421	357	221	248	162
Other furniture of wood									3,523	4,631	5,049	5,329	3,912
Mfrs. of wood, product of Philippine Islands								38	34	84	84	103	59
Other manufactures of wood								3,486	3,551	3,122	3,006	3,019	2,590
D. Cork and manufactures								4,689	9,704	9,909	9,938	13,119	7,852
Wood or bark, unmanufactured	1,000 lbs.	56,824	126,355	124,001	87,798	90,642	74,820	1,398	2,909	3,063	3,067	3,240	2,627
Waste shavings, etc	do	140,950	179,347	99,090	141,873	176,956	99,794	1,749	2,732	2,312	3,141	4,989	2,871
Disks, wafers, and washers	do	428	1,109	734	522	497	305	344	942	535	441	408	207
Cork insulation	do	[1] 20,371	38,506	50,403	43,866	70,445		[1] 764	1,968	3,100	2,229	4,038	1,844
Cork stoppers	do		543	412	499	289	227	[3] 390	429	630	661	207	152
All other cork manufactures								661	724	268	399	236	152
E. Paper base stocks								94,219	121,506	113,632	112,296	118,133	108,922
Pulp woods	1,000 cords	1,248	1,384	1,597	1,548	1,350	1,582	13,807	14,176	16,484	16,157	14,598	17,017
Rough spruce	do	286	367	431	461	369	301	2,956	3,633	4,240	4,578	3,771	3,088
Other rough	do				54	32	30				502	310	258
Peeled spruce	do	844	928	1,074	705	730	1,012	9,082	9,438	11,014	7,749	8,493	11,458
Other peeled	do				273	202	223				2,529	1,828	2,043
Rossed spruce	do	117	89	91	50	17	16	1,569	1,105	1,231	742	195	169
Other rossed	do				3						57	1	1
Wood pulp	tons of 2,240 lbs.	1,165,276	1,545,904	1,496,222	1,566,931	1,679,222	1,634,122	67,002	91,231	85,842	83,464	88,573	81,109
Mechanically ground wood pulp	do	229,222	271,213	219,285	222,499	244,162	267,171	7,183	8,278	5,962	5,443	6,246	7,146
Sulphite wood pulp—													
Unbleached	do	446,770	628,923	613,856	640,660	701,456	665,049	24,924	37,032	34,263	32,587	35,329	33,194
Bleached	do	221,695	294,818	311,130	307,926	334,235	322,886	18,545	23,678	24,225	23,368	25,339	22,722
Soda pulp	do	1,226					1,932	76					126
Sulphate wood pulp, unbleached (Kraft pulp)	tons of 2,240 lbs.	249,746	334,803	341,162	381,256	384,005	357,551	15,270	21,193	20,684	21,171	20,519	16,452
Sulphate wood pulp, bleached	do	16,708	16,147	10,789	14,590	15,364	19,533	1,004	1,049	709	895	1,140	1,469
Other pulp	do	[1] 1,695	3,857	3,348	6,728	6,050		[1] 109	256	244	455	514	178
Rags for paper stock	1,000 lbs.	379,223	476,764	388,121	439,893	446,496	281,592	8,318	10,373	7,647	8,195	9,342	5,565
Waste bagging, waste paper, etc	do	[1] 122,179	113,322	108,793	148,756	141,615	221,568	[1] 1,775	2,395	1,429	1,953	1,658	3,052
Old rope and all other paper stock	do	113,277	79,036	64,978	70,724	131,085		4,162	3,075	1,935	2,065	3,448	

[1] Average for years 1923–1925.
[2] Average for years 1924–25.
[3] Average for years 1921 and 1924–25.
[5] June 18 to Dec. 30, 1930.
[6] Average for years 1922–1925.
[8] 1925 only.
[9] Less than 500.
[15] 1921 only.
[16] "Cedar" prior to 1923.

No. 549.—General Imports of Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926	1927	1928	1929	1930	1921–1925	1926	1927	1928	1929	1930
GROUP 4. WOOD AND PAPER—Continued												
F. Paper and manufactures							105,239	139,499	149,365	156,407	163,365	147,481
Printing paper—												
Standard newsprint—1,000 lbs.	2,374,511	3,701,350	3,974,129	4,314,333	4,845,401	4,559,303	90,895	123,982	131,489	139,433	144,493	131,800
All other, n. e. s.—do	13,335	16,376	10,420	7,339	4,360	2,601	657	827	512	343	221	123
Grease-proof and waterproof papers—do	[1] 2,306	2,227	1,622	1,202	1,777	1,033	[1] 249	353	262	232	460	294
Kraft wrapping paper—do	46,975	8,868	12,198	10,762	9,796	7,584	1,995	391	518	460	423	297
All other wrapping paper—do		5,556	12,914	16,224	7,115	2,540		367	337	392	221	143
Writing, letter, drawing, etc., papers—do	[1] 3,139	3,761	3,419	3,108	3,227	3,407	[1] 672	928	885	807	803	831
Writing paper and envelope combinations												[5] 263
Surface-coated—1,000 lbs.	1,269	2,068	2,235	2,371	2,452	1,858	344	756	912	1,104	1,046	762
Uncoated paper, decorated or embossed—do						[5] 92						[5] 29
Tissue, copying, etc., paper—do	[1] 2,385	2,882	3,231	3,569	5,009	3,062	[1] 1,022	1,405	1,836	2,053	2,668	1,713
Pulp boards in rolls—do	65,850	70,765	60,128	52,770	58,725	42,815	1,786	1,718	1,423	1,151	1,272	970
Paper boards, pulp boards, and cardboard—1,000 lbs.				21,106	20,488	14,027	[1] 735	916	827	470	486	333
Leather board, test and wall board—do				380	2,048	1,615				27	36	103
Cigarette paper, cigarette books and covers—1,000 lbs.	[1] 11,275	8,276	14,685	11,689	12,357	14,198	3,362	2,183	4,292	3,214	4,102	4,301
Hanging paper (wall paper)—do	[1] 10,022	3,529	2,356	2,164	2,876	2,145	541	597	634	657	750	618
Duplex decalcomania, not printed—do	[1] 447	690	702	626	586	502	123	170	159	142	146	119
Paper boxes							[2] 1,264	965	1,447	1,789	1,720	1,252
Pulp or papier-mâché and manufactures of, n. e. s.								405	339	436	581	543
All other paper and manufactures							3,423	3,507	3,493	3,497	3,797	2,967
GROUP 5.—NONMETALLIC MINERALS												
Total							230,110	301,394	282,837	285,153	306,050	245,773
A. Coal and related fuels							12,336	12,273	5,028	6,513	7,080	6,988
Anthracite coal—tons of 2,240 lbs.	186,362	726,746	106,277	343,488	434,975	602,511	1,560	6,997	837	2,591	3,329	4,376
Bituminous coal, shale, and lignite—1,000 tons of 2,240 lbs.	1,646	475	491	488	442	215	9,804	2,304	2,447	2,398	2,157	1,149
Bituminous coal, shale, and lignite—do	[6] 1,236	92	71	110	73	33	[6] 7,378	489	346	500	300	120
Bituminous coal and shale—do	[1] 572	383	420	378	369	182	[1] 3,199	1,816	2,101	1,898	1,858	1,029
Coke—tons of 2,240 lbs.	88,327	254,061	150,767	131,876	106,896	118,459	881	2,174	1,372	1,133	1,092	1,044
Charcoal, briquets, etc.							[1] 92	797	373	391	481	419
B. Petroleum and products							90,793	124,556	113,434	132,842	149,558	145,116
Crude petroleum—1,000 bbls. of 42 gals.	94,857	60,382	58,383	79,767	78,933	62,129	68,012	79,308	78,609	90,473	79,943	64,872
Refined petroleum oil products—do	12,545	20,902	13,281	11,700	29,632	43,381	22,214	44,597	33,638	40,943	61,023	78,736
Topped, including fuel oils—do	9,673	14,432	8,124	7,268	20,545	26,080	11,356	16,908	10,176	8,485	16,513	18,875
Tops and other unfinished distillates—do		823	91	20	5	149		2,633	338	34	22	194

Gasoline, naphtha, and other finished light products—1,000 bbls. of 42 gals.	2,840	5,540	5,002	4,198	8,334	16,927	10,617	24,553	22,773	31,516	43,335	58,604
Illuminating oil (kerosene)—do	[1] 12	74	55	202	208	200	[1] 85	236	248	716	562	649
Lubricating oils, including paraffin oil—do	[1] 26	33	8	13	39	25	[2] 190	267	103	192	591	416
Paraffin and paraffin wax—1,000 lbs.	10,458	9,983	20,462	24,741	40,860	30,402	566	652	1,187	1,426	2,591	1,506
C. Stone, sand, cement, and lime							5,906	10,708	9,285	8,524	7,377	6,106
Marble, breccia, and onyx—												
In blocks, or sawed over 2 inches thick—1,000 cu. ft.	587	865	954	591	727	750	1,220	1,792	2,531	1,691	1,734	1,671
Manufactures							333	684	880	805	827	605
Other building or monumental stone, n. e. s.							598	981	874	804	1,026	1,043
Other stone, n. e. s.							198	280	286	234	225	253
Cement, Roman, Portland, and other hydraulic—1,000 bbls.[19]	1,558	3,232	2,050	2,284	1,728	982	2,582	5,125	2,956	3,091	1,938	1,154
Lime and limestone, crude—1,000 lbs.	[1] 45,351	54,754	55,805	54,055	65,696	59,580	[1] 368	358	366	359	412	290
Gypsum or plaster rock—												
Crude—tons of 2,240 lbs.	407,930	735,787	739,838	918,586	925,344	806,000	648	1,276	1,168	1,341	1,061	917
Ground, calcined, cements, and other manufactures							103	212	224	201	153	173
D. Glass and glass products							16,989	20,875	17,033	15,240	13,993	8,875
Cylinder, crown and sheet—												
Unpolished, not bent, obscured, beveled, etc.—												
Weighing less than 80 pounds per case—1,000 lbs.	[20] 44,800	81,634	45,984	37,178	33,989	14,670	[20] 2,342	3,191	1,226	1,113	962	573
Weighing 80 pounds or over per case—do			36,763	30,413	32,831				1,035	1,342	1,223	
Polished, and bent, obscured, beveled, colored, etc., unpolished, and polished, and all silvered							[1] 613	548	392	561	564	347
Plate glass—												
Cast, polished, unsilvered—1,000 sq. ft.	15,896	26,064	15,409	15,843	10,953	5,298	8,246	8,852	4,310	3,355	2,257	1,082
Other—do			1,377	1,727	1,827	577			332	428	303	189
Bottles, vials, jars, demijohns, and carboys, molded or pressed							248	255	193	243	308	1,138
Table and kitchen utensils							[1] 172	118	200	298	282	206
Glassware, cut or decorated							1,859	2,939	3,751	2,905	3,265	3,038
Blown glassware, n. e. s.—												
Bottles, ornaments, etc.								1,865	1,863	1,885	1,702	
Bulbs for electric lamps—thousands		18,424	15,127	15,741	15,227		[1] 2,688	207	159	175	137	
Chimneys, globes, shades, etc.								1,025	968	988	802	602
Articles and utensils for chemical, scientific, and experimental purposes								532	537	548	648	502
Other glassware							2,210	1,341	1,466	1,393	1,481	1,198

[1] Average for years 1923–1925.
[2] Average for years 1924–25.
[5] June 18 to Dec. 31, 1930.
[6] Average for years 1922–1925.
[19] Barrels of 376 pounds.
[20] "Cylinder, crown, and sheet" prior to 1923.

No. 549.—General Imports of Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926	1927	1928	1929	1930	1921–1925	1926	1927	1928	1929	1930
GROUP 5. NONMETALLIC MINERALS—Continued												
E. Clay and clay products							19,235	26,490	26,066	23,820	24,519	18,224
Clays and earths—												
Kaolin, china, and paper clay ..... tons of 2,240 lbs.	270,129	353,746	302,693	274,472	249,921	210,911	2,792	3,484	2,937	2,963	2,699	2,197
Fluorspar ..... do	[3] 31,539	67,563	63,853	42,128	48,522	57,949	[3] 365	747	595	409	481	545
Other clays, n. e. s. ..... do	59,329	85,879	55,851	53,906	62,419	48,189	607	830	582	585	727	646
Pottery							15,056	19,286	20,198	17,947	18,803	14,070
China and porcelain wares—												
Domestic or household ..... 1,000 doz.		9,963	9,755	9,100	9,086	6,078				8,771	8,747	6,146
Hotel and restaurant ..... do				440	407	219	9,202	10,834	10,888	708	594	373
Bisque and Parian ..... do		306	510	723	875			616	845	828	988	1,165
Other china and porcelain								771	505	364	346	
Earthen, crockery, and stone ware—												
Table, toilet, and kitchen ware—												
Domestic or household ..... do		4,605	4,898	4,539	5,168	3,888	4,736	5,563	5,975	4,598	5,226	4,016
Hotel ware, plain or decorated ..... do				453	408	338				691	595	474
Other (except common) earthen, crockery, etc., ware							909	1,312	1,784	1,839	2,180	1,806
Common earthen and stone and Rockingham earthenware ..... 1,000 doz.		97	93	129	65		[1] 329	202	201	149	128	90
Tiles ..... 1,000 sq. ft.		6,209	5,255	6,162	6,330	2,977	[1] 884	1,070	1,077	1,341	1,490	563
Bricks								1,073	676	574	318	204
F. Precious stones and pearls and imitations							66,473	80,651	68,730	74,559	79,850	40,592
Diamonds—												
Rough, uncut ..... carats	153,216	236,953	237,095	291,302	354,367	209,591	7,831	13,071	11,470	11,935	9,878	5,641
Cut, but not set ..... do	453,028	555,363	445,571	440,437	416,992	295,351	43,692	51,362	40,736	42,396	42,010	23,268
Glaziers', engravers', and miners' diamonds ..... carats	32,425	41,475	34,645	38,342	46,949	145,958	1,087	1,940	2,150	2,757	4,068	2,757
Pearls and parts, not strung or set							6,741	5,357	6,078	7,164	10,389	2,782
Imitation precious stones							2,184	2,724	2,670	4,198	3,945	1,788
Other precious stones, rough, uncut							640	320	215	293	352	181
Other precious and semiprecious stones, cut but not set							4,299	5,877	5,410	5,817	9,008	4,176
G. Other nonmetallic minerals							18,384	25,842	23,262	23,654	29,380	19,865
Abrasives							3,082	4,379	3,370	3,841	4,932	3,679
Natural abrasives—												
Corundum ore ..... tons of 2,240 lbs.	2,418	4,831	1,133	1,400	3,378	2,794	165	302	70	83	201	161
Emery ore ..... do	5,453	4,237	4,126	4,846	5,717	3,796	159	183	72	84	101	64

Diamond dust and bort							[1] 417	271	59	31	90	
Pumice stone and manufactures							[1] 123	129	124	160	152	95
Flint, unground tons of 2,240 lbs	13,534	13,474	13,563	14,035	12,542	6,121	123	120	94	144	127	62
Other							[6] 291	83	94	74	78	
Artificial abrasives, crude 1,000 lbs	60,599	108,057	95,116	112,584	151,542		1,962	2,993	2,545	2,970	3,816	3,297
Other abrasives and manufactures							118	298	313	295	367	
Asbestos—												
Crude (including blue fiber) tons of 2,240 lbs	151,443	230,019	199,726	12,402	15,157	9,410	5,655	8,143	8,150	3,051	4,334	2,134
Mill fiber do				80,235	85,164	61,618				4,096	4,576	3,120
Stucco and other unmanufactured do				113,251	133,988	115,295				1,871	2,243	1,811
Singles and slates of asbestos cement 1,000 lbs	[1] 24,153	61,867	135,441	56,371	56,307	3,915	472	1,170	2,177	1,086	752	61
Other manufactures do					907						226	160
Asphalt and bitumen tons of 2,240 lbs	121,501	127,350	141,158	106,775	108,053	47,498	1,064	1,046	1,140	865	956	457
Earthy and mineral substances and articles, n. e. s							166	518	499	551	1,108	1,082
Carbon and manufactures							323	577	615	339	603	401
Chalk—												
Unmanufactured tons of 2,240 lbs	101,968	104,856	110,245	96,856	102,563	102,866	143	135	139	116	120	108
Manufactures 1,000 lbs	[1] 14,648	23,034	2,948	3,795	4,630	2,242	121	155	90	108	111	52
Cryolite or kryolith tons of 2,240 lbs	[2] 8,082	7,599	5,064	6,906	7,778	8,315	[2]506	558	411	529	671	696
Mica—												
Unmanufactured 1,000 lbs	691	820	757	503	1,317	4,555	447	614	393	257	752	453
Mica splittings do	[1] 5,391	6,183	2,532	3,134	5,556	2,749	1,437	2,184	1,091	842	1,212	918
Cut, ground, or manufactured do				54	136	42				89	216	70
Pyrites, or sulphuret of iron, containing more than 25 per cent sulphur, 1,000 tons of 2,240 lbs	256	366	251	458	514	368	929	857	648	1,141	1,508	1,037
Talcum, steatite, and French chalk 1,000 lbs	35,574	48,692	50,246	54,016	62,494	50,424	368	564	545	576	671	509
Magnesite—												
Crude and calcined do	167,439	30,877	20,703	12,473	13,600	8,517	1,287	337	232	138	149	87
Dead burned and grain do		154,215	99,745	114,530	92,764	93,873		1,129	728	836	670	702
Salt do	193,988	121,455	95,844	84,049	91,675	108,530	424	215	169	150	152	146
Graphite or plumbago do	29,904	32,387	34,857	35,686	47,922	33,451	553	924	722	809	1,065	625
Mineral wax do	6,358	8,286	7,600	10,901	9,791	12,475	341	430	579	594	617	722
Other nonmetallic minerals, n. e. s							1,379	1,858	1,564	1,769	2,235	835
GROUP 6.—METALS AND MANUFACTURES, EXCEPT MACHINERY AND VEHICLES												
Granular or sponge iron tons of 2,240 lbs						[5] 81						[5] 3
Total							243,257	364,027	328,356	315,654	395,953	266,375
A. Iron ore and concentrates 1,000 tons of 2,240 lbs	1,691	2,555	2,621	2,453	3,139	2,775	6,955	5,876	6,068	5,428	8,145	8,113

[1] Average for years 1923–1925.
[2] Average for years 1924–25.
[3] Average for years 1921 and 1924–25.
[5] June 18 to Dec. 30, 1930.
[6] Average for years 1922–1925.

No. 549.—General Imports of Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926	1927	1928	1929	1930	1921–1925	1926	1927	1928	1929	1930
GROUP 6.—METALS AND MANUFACTURES, EXCEPT MACHINERY AND VEHICLES												
B. Iron and steel semimanufactures							11,711	16,423	10,008	10,691	11,003	7,318
Pig iron—tons of 2,240 lbs.	285,772	445,773	132,568	140,694	147,763	137,031	6,021	7,709	2,254	2,232	2,398	1,807
Iron and steel scrap—do.	102,632	86,725	60,209	63,314	90,479	27,482	1,498	991	729	1,006	1,467	395
Steel bars—1,000 lbs.	[14] 69,282	231,781	204,954	191,172	85,614	108,337	[14] 1,664	4,413	4,091	3,847	3,376	2,303
Bar iron—do.	15,153	12,600	9,467	5,472	6,564	3,081	394	291	193	158	198	102
Wire rods—do.	9,600	22,568	40,293	43,227	35,063	19,808	316	692	943	1,122	1,045	585
Boiler or other plate iron or steel sheets—do.	[1] 4,414	11,076	9,037	17,977	7,265	4,239	[1] 89	144	126	252	116	60
Steel ingots, blooms, slabs, etc—do.	55,321	69,049	30,625	48,023	59,345	49,982	2,130	1,324	706	909	1,109	749
Sheets of iron or steel, skelp, saw plates, and steel, n. e. s.—1,000 lbs.	5,371	23,903	35,225	51,016	56,488	59,570	251	563	773	1,012	1,222	1,248
Tin plate, terneplate, and taggers tin—do.	6,537	4,837	2,383	2,064	640	585	373	297	192	153	72	67
C. Steel-mill products—manufactures							7,707	17,732	15,763	19,827	19,036	12,196
Structural shapes and building forms—1,000 lbs.	62,635	271,265	362,542	366,826	332,019	269,547	1,232	3,923	5,532	5,271	5,657	4,094
Rails for railways—do.	71,059	123,675	34,618	31,401	13,908	18,607	1,012	1,449	423	432	135	240
Pipes and tubes—do.	[1] 106,271	257,485	295,485	238,088	204,326		[1] 2,790	5,612	7,261	5,849	5,919	
Cast-iron pipe—do.		187,877	183,152	136,177	113,473	26,598		2,461	2,609	1,726	1,421	319
Other pipes and tubes—do.		69,607	112,333	101,911	90,853	48,054		3,151	4,652	4,123	4,498	2,395
Wire and manufactures—												
Barbed wire—do.		6,844	9,012	12,650	13,438	10,472		185	242	329	348	246
Round wire—do.	[1] 8,276	9,698	8,879	10,535	13,044	9,484	[1] 792	799	682	672	855	590
Telegraph, telephone, and other insulated wire [21]							[1] 871	221	12	26	21	34
Flat wire and steel strips—1,000 lbs.	[1] 4,300	8,240	5,698	5,745	4,871	2,462	[1] 2,239	2,076	1,709	1,770	1,642	993
Card clothing—1,000 sq. ft.	[1] 322	241	313	279	301	161	[1] 498	393	514	423	470	258
Wire rope and strand—1,000 lbs.				3,751	5,487	5,817				298	443	465
Other wire manufactures							653	1,606	976	796	622	513
Hoop or band iron or steel for baling—1,000 lbs.				70,009	44,388	11,822				1,343	863	190
Hoop, band, or scroll iron and steel, n. e. s.—1,000 lbs.						[5] 21,905						[5] 396
Nails [22]—1,000 lbs.	[1] 3,189	11,995	12,653	22,700	20,450	13,474	[1] 117	348	394	677	781	544
Castings and forgings—do.	[1] 6,378	6,133	6,845	7,128	4,260	3,419	[1] 402	330	388	469	294	244
Tanks, drums, or vessels for gas or liquids—number		145,246	142,718	151,663	249,125	217,437		788	619	472	936	609
Autoclaves, converters, separators, stills, ovens, etc., and parts												[5] 67
D. Iron and steel, advanced manufactures							8,343	6,926	7,190	7,490	8,124	5,137
Cutlery—												
Razors and parts—thousands	7,219	2,073	41,730	77,578	53,102	64,419	354	267	429	602	743	420

Scissors, shears, and clippers	do	4,562	1,943	1,612	1,210	1,293	1,089	582	343	323	269	275	217
Pen, pocket, and other folding-blade knives	thousands	7,391	4,390	4,498	4,305	3,858	2,096	602	260	233	207	194	118
Other cutlery	do	[1] 1,378	1,444	1,293	1,080	1,123	1,137	412	499	437	382	458	370
Table, kitchen, and other ware, glazed	1,000 lbs.	[1] 993	1,344	898	767	1,058	951	300	306	228	197	241	215
Tools								[1] 531	614	731	950	1,220	789
Needles, hand, sewing, and darning [23]	millions	996	918	635	728	782	682	1,099	1,051	799	855	815	630
Other needles								380	266	260	202	266	160
All other iron and steel manufactures, n. s. p. f.								4,296	3,321	3,751	3,826	3,915	2,217
E. Ferro-alloys								**13,299**	**20,783**	**16,440**	**13,886**	**23,537**	**17,668**
Manganese ore—													
Product of—													
Cuba	Gross weight, tons of 2,240 lbs.	11,495	14,112	8,976	3,180	2,667	2,071	166	225	142	60	33	32
	Manganese content, do			4,211	1,556	1,959	899						
Other manganese ore (manganese content)	tons of 2,240 lbs.	295,757	347,378	304,419	206,252	321,456	277,171	4,821	10,847	8,345	5,336	8,418	6,444
Ferromanganese and other alloys (manganese content) [24]	tons of 2,240 lbs.	61,510	43,932	34,018	47,550	62,785	33,452	5,244	4,138	3,405	4,806	6,817	3,992
Chrome ore or chromite	do	113,752	215,464	222,360	216,592	317,630	330,531	965	1,705	1,749	1,705	2,666	3,613
Ferrochromium, chromium metal, and chromium vanadium	1,000 lbs.	[1] 1,994	1,178	1,052	1,605	1,495	363	[1] 185	124	59	196	213	36
Ferrosilicon (silicon content)	do	22,683	29,398	17,367	9,983	21,110	11,621	819	1,386	1,026	636	1,402	643
Tungsten and alloys (tungsten content)	do	[1] 1,262	3,442	1,614	2,730	6,810	3,614	349	871	308	573	2,510	1,659
Vanadium ore	tons of 2,240 lbs.		7,471	6,199	493	8,714	5,168	541	914	561	50	795	492
Other ores of ferro-alloying metals	1,000 lbs.			20	864	2,704	16,341			20	10	55	86
Other ferro-alloying metals								281	573	825	515	628	771
F. Nonferrous metals, except precious								**177,625**	**271,998**	**247,216**	**239,809**	**307,342**	**204,616**
Aluminum								**9,673**	**18,690**	**17,392**	**10,113**	**11,680**	**7,084**
Bauxite, crude	tons of 2,240 lbs.	146,743	281,644	350,680	350,111	380,812	415,058	690	1,187	1,572	1,534	1,754	2,008
Metal, crude, scrap, and alloy	1,000 lbs.	37,280	74,879	72,189	37,896	48,416	24,499	7,811	17,108	15,316	7,736	8,973	4,437
Manufactures—													
Plates, sheets, bars, etc	do		127	400	26	22	48	1,172	37	79	11	9	15
Hollow ware	do		215	142	123	123	92		99	66	70	71	54
Other manufactures									259	859	761	873	519
Copper [25]	1,000 lbs.	597,949	779,441	718,323	787,074	974,312	817,154	77,811	99,742	84,963	98,187	153,708	104,616
Copper ores, concentrates and regulus	do	133,996	153,595	168,915	148,305	180,452	162,894	16,800	19,064	18,995	16,735	23,557	17,912
Ores (copper content)	do	86,168	106,715	99,328	106,192	124,619	101,317	10,905	13,452	10,757	11,589	15,358	11,395
Concentrates (copper content)	do	41,863	44,750	68,193	39,473	53,729	56,871	5,140	5,352	8,107	4,861	7,907	5,980
Regulus, coarse, metal, and cement copper (copper content)	1,000 lbs.	5,965	2,129	1,393	2,640	2,104	4,706	755	261	131	285	292	536
Unrefined, black, blister, and converter copper, in pigs, bars, etc	1,000 lbs.	343,988	443,798	438,594	543,190	646,167	560,469	44,550	56,101	51,954	67,595	104,306	74,248
Refined copper	do	109,309	170,566	103,279	84,731	134,015	86,210	14,918	23,336	13,105	12,634	23,757	11,374

[1] Average for years 1923–1925.
[3] June 18 to Dec. 30, 1930.
[14] Average for years 1921 and 1925.
[21] "Wire rope, insulated wire, etc." prior to 1926.
[22] "Nails and screws" prior to 1926.
[23] "Hand-sewing, darning, and shoe machine" prior to 1922.
[24] Gross weight prior to Sept. 22, 1922.
[25] Not including pounds of "Copper manufactures, n. e. s."

No. 549.—General Imports of Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926	1927	1928	1929	1930	1921–1925	1926	1927	1928	1929	1930
GROUP 6.—METALS AND MANUFACTURES, EXCEPT MACHINERY AND VEHICLES—Continued												
F. Nonferrous metals, except precious—Continued.												
Copper—Continued.												
Old and clippings for remanufacture, 1,000 lbs.	9,334	11,002	7,478	10,633	13,598	7,499	953	1,114	969	698	1,823	836
Composition metal, copper chief value, do.	1,322	481	58	216	80	82	176	64	15	32	12	8
Copper manufactures, n. e. s.							113	62	195	222	253	239
Brass, and bronze, and manufactures							4,389	2,310	2,978	4,371	4,296	2,550
Old, brass, etc., for remanufacture, 1,000 lbs.	49,147	8,622	7,985	12,151	14,062	7,145	3,764	632	556	1,015	1,372	536
Brass manufactures							528	768	1,219	1,941	2,027	1,077
Bronze manufactures							597	911	1,203	1,414	1,527	937
Lead (lead content)[26], 1,000 lbs.	222,701	310,722	324,646	314,025	238,294	158,235	11,411	19,994	17,886	15,506	13,468	9,049
Ore, matte, and bullion—												
Ore and matte (lead content), do.	57,975	116,233	81,276	51,830	62,661	78,754	2,825	6,801	4,643	2,885	3,479	4,236
Bullion or base bullion (lead content), 1,000 lbs.	130,812	156,571	236,567	256,935	166,142	77,261	6,796	10,096	11,737	11,563	8,677	3,986
Pigs, bars, old and scrap[27], do.	30,088	20,034	4,935	1,323	3,315	419	1,506	1,488	348	96	145	22
Babbitt metal, solder, etc. (lead content)[28], 1,000 lbs.		2,271	1,216	850	1,326	1,060		548	932	570	777	593
Manufactures of lead, n. e. s. (except type metal)							84	164	160	198	209	168
Type metal and antimonial lead: gross weight, 1,000 lbs.	[8] 6,009	8,620	893	3,991	5,441	881	[1] 332	896	65	193	181	44
Type metal and antimonial lead: lead content, do.	4,317	6,993	652	3,087	4,850	741						
Nickel							5,232	9,462	8,903	14,363	19,419	12,872
Ore and matte, 1,000 lbs.	8,195	14,636	10,744	18,589	28,981	20,593	820	1,303	902	1,470	2,122	2,940
Nickel and alloys in pigs, etc., do.		29,379	29,220	48,996	64,421	38,323	4,411	7,857	7,721	12,346	16,448	9,600
Nickel oxide, do.		1,485	1,013	1,743	3,265	1,353		241	179	253	495	210
Nickel in bars, plates, sheets, etc., and manufactures								52	101	294	354	122
Tin—												
Ore (tin content), tons of 2,240 lbs.	5,812	303	122	130	128	289	2,703	187	79	69	67	177
Bars, blocks, pigs, etc., 1,000 lbs.	132,173	172,836	159,357	174,654	195,165	180,844	56,522	104,793	100,865	86,983	91,839	60,284
Zinc—												
Ore (zinc content), do.	10,537	29,252	19,025	3,409	28,822	51,776	482	1,520	786	169	1,127	1,990
Blocks, pigs, etc., and old, do.	2,745	43	115	6	451	694	117	2	7	[9]	22	28
Zinc dust and other manufactures							144	44	97	141	153	93
Antimony—												
Ore: gross weight, 1,000 lbs.		5,103	7,023	7,824	6,323	2,922	33	291	278	313	231	226
Ore: antimony content, do.	1,127	3,180	3,965	4,369	3,729	1,726						
Needle, liquidated, regulus, or metal, do.	18,079	29,422	24,740	22,698	26,860	17,012	1,086	3,795	2,516	1,520	1,831	903

Cobalt ore and metal	do	176	542	468	643	1,241	660	352	877	844	1,173	1,795	1,003
Quicksilver or mercury	1,000 lbs	[1] 1,395	2,146	1,849	1,169	1,086	224	[1] 915	1,971	2,189	1,572	1,447	296
Other ores, metals, and alloys, n. e. s								566	656	710	934	1,152	517
Manufactures of metals, n. e. s								6,075	7,664	6,221	4,093	4,475	3,027
G. Precious metals, jewelry, and plated ware, except gold and silver in ore, bullion, and coin								17,617	24,288	22,674	19,523	18,749	11,308
Gold and silver sweepings								429	216	196	333	289	262
Platinum	oz. troy	[1] 96,244	114,968	128,544	108,447			8,400	11,804	11,188	7,693	7,149	4,325
Ores of platinum metal (platinum content)	oz. troy		1,221		686	564			125		49	43	
Grains, nuggets, sponge or scrap	do		87,162	90,491	78,399	74,063	81,229		8,683	7,481	5,295	4,466	3,364
Ingots, bars, sheets or plates, etc	do		26,585	38,053	29,362	40,594	24,926		2,996	3,707	2,349	2,640	961
Platinum metals and native combinations—													
Iridium	oz. troy		3,305	4,633	4,212	4,470	4,196		412	520	672	888	665
Osmium and osmiridium	do	17,255	6,141	7,512	6,095	7,977	6,754	1,424	659	398	439	462	385
Palladium	do		3,258	6,251	13,463	24,364	18,506		460	223	408	532	364
Rhodium and ruthenium	do		2,120	1,792	2,977	3,031	3,610		117	79	139	88	107
Jewelry								1,031	1,540	2,087	3,921	4,857	2,345
Metal articles for personal use and adornment								[1] 769	1,596	2,389	1,569	737	503
Manufactures of gold and silver, n. e. s.—													
Lahn, tinsel threads, bullion, etc.	1,000 lbs		2,261	1,675	1,169	859	350	4,338	2,887	1,614	1,092	793	377
Braids, fabrics, laces, etc									2,993	2,604	1,628	1,184	725
All other, including plated articles								934	1,605	1,376	1,630	1,771	1,262
GROUP 7.—MACHINERY AND VEHICLES													
Total								17,768	26,212	27,517	29,750	42,202	30,484
A. Electrical machinery and apparatus								1,755	2,520	3,033	2,770	2,664	2,983
Electric lamps—Incandescent—													
Carbon filament	thousands	16,234	28,201	23,298	33,236	39,777	13,607	565	1,259	1,053	1,077	1,237	491
Other	do		6,131	4,134	3,422	4,491	29,552	637	416	208	155	140	779
Other electrical machinery and apparatus								[1] 895	845	1,772	1,538	1,287	1,712
B, C, D. Industrial, office, and printing machinery								11,398	16,450	18,453	18,713	24,837	16,566
Steam and internal-combustion engines and repairs								[1] 641	76	279	903	1,113	549
Metal-working machine tools and parts	1,000 lbs	[2] 1,852	2,679	1,802	2,547	4,787		320	522	414	569	1,458	901
Textile machinery								5,849	5,615	6,201	5,090	3,452	4,981
Embroidery, lace, and lace-curtain machines and parts								[1] 75	8	169	186	152	101
Hosiery-knitting machines	number		805	591	1,014			[1] 1,525	3,420	3,163	2,513	4,705	2,462
Other knitting, braiding, and insulating machines and parts	1,000 lbs		816	393	714					347	262	490	374

[1] Average for years 1923–1925.
[2] Average for years 1924–1925.
[3] 1925 only.
[9] Less than 500.
[26] Not including pounds of "lead manufactures, n. e. s."
[27] "Pigs and bars" prior to Jan. 1, 1927.
[28] "Scrap lead, Babbitt metal, solder, etc.," prior to Jan. 1, 1927.

No. 549.—General Imports of Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926	1927	1928	1929	1930	1921–1925	1926	1927	1928	1929	1930
GROUP 7.—MACHINERY AND VEHICLES—Continued												
B, C, D. Industrial, office, etc., machinery—Contd.												
Textile machinery—Continued.												
Cotton-manufacturing machinery and parts, 1,000 lbs.	[2] 1,290	1,386	2,179	2,552	2,768		[2] 262	305	403	511	528	318
Wool-manufacturing machinery and parts, 1,000 lbs.		1,059	1,899	2,353	1,711			202	457	449	404	327
Other textile machinery and parts, do.	[1] 16,729	7,011	6,473	4,340	9,142		[6] 4,213	1,680	1,662	1,169	2,173	1,398
Sewing machines and parts							495	377	539	505	475	329
Antifriction balls, rollers, and bearings, 1,000 lbs.	[1] 895	1,255	1,058	1,245	1,657	1,120	708	1,050	913	997	1,416	817
Cream separators, over $50 each, and other centrifugal machines and parts												[5] 86
Other industrial, office, and printing machinery							4,002	8,810	8,106	10,648	11,922	8,902
E. Agricultural machinery and implements							2,592	5,012	5,407	4,839	9,545	8,545
Cream separators, not over $50 each, number	[1] 20,156	28,398	25,196	27,159	41,835	15,182	517	703	610	531	849	292
Plows and cultivators, do.	[1] 3,419	5,486	10,076	9,728	3,455	4,416	[1] 212	437	743	819	364	353
Headers, harvesters, and reapers, do.					1,153	149					877	53
All other, including agricultural vehicles							1,947	3,872	4,053	3,489	7,454	7,847
F. Automobiles and other vehicles, except agricultural							2,023	2,230	2,625	3,428	5,151	2,389
Automobiles and chassis, number	628	813	635	506	750	708	897	1,353	1,219	1,201	1,190	875
Bodies and parts of automobiles, except tires								725	1,146	1,598	2,252	983
Other vehicles and parts							1,126	152	259	629	1,710	532
GROUP 8.—CHEMICALS AND RELATED PRODUCTS												
Total							112,100	134,833	129,857	143,234	144,062	112,070
A. Coal-tar chemicals							16,058	19,806	24,042	23,907	22,524	16,273
Coal-tar products, crude—												
Dead or creosote oil, 1,000 gals.	62,713	87,519	95,915	83,385	79,301	66,922	8,701	11,720	15,437	13,928	10,119	7,806
Pyridine, 1,000 lbs.	[2] 699	743	136	55	40	6	[2] 332	366	42	9	6	3
Other crude coal-tar products							756	985	872	1,314	2,045	1,373
Intermediates—												
Acids, 1,000 lbs.	297	511	819	2,946	1,973	825	77	133	120	328	160	53
All other intermediates, do.	2,257	998	1,768	1,445	1,989	1,423	581	642	1,027	999	1,436	1,022
Finished products—												
Alizarin and derivatives, do.	269	21	4	3	18	4,952	331	38	3	4	22	5,284
Colors, dyes, stains, color acids, and color bases, n. e. s., 1,000 lbs.	3,895	4,973	5,497	6,252	7,593		5,147	5,601	6,182	6,877	8,448	

Coal-tar medicinals	do	[2] 100	70	130	113	153	72	242	257	277	209	332	273
Other finished coal-tar products	do		23	42	104	108	150	40	63	83	241	205	458
B. Medicinal and pharmaceutical preparations								4,917	5,891	5,423	5,179	8,422	4,948
Quinine sulphate	1,000 oz	3,453	1,584	1,916	1,802	2,472	1,253	1,436	855	735	644	855	449
All other quinine and other alkaloids and salts from cinchona bark	1,000 oz		1,345	1,232	844	1,325	877		426	473	341	442	333
Other alkaloids and salts of								546	94	118	263	449	276
Menthol	1,000 lbs	[2] 244	459	369	254	296	308	[2] 2,172	2,842	1,332	924	1,232	1,017
Antitoxins, serums, vaccines, etc., and blistering insects								[1] 15	3	17	3	2	5
Other medicinals								825	280	597	615	655	282
All other preparations, n. e. s.								1,232	1,589	2,152	2,389	2,786	2,585
C. Industrial chemicals								23,186	28,310	28,504	24,185	30,698	23,321
Acetylene, butylene, ethylene, and propylene derivatives	1,000 lbs						[5] 282						[5] 29
Acids and anhydrides—													
Arsenious acid or white arsenic	1,000 lbs	[1] 18,880	15,407	25,034	22,306	26,314	21,559	[1] 1,551	510	922	775	956	744
Formic	do	[1] 1,436	2,315	3,220	2,254	1,387	510	[1] 107	164	231	175	109	37
Oxalic	do	2,185	1,567	1,844	800	1,346	574	159	71	99	46	71	31
Sulphuric (oil of vitriol)	do	[1] 25,047	55,937	34,869	26,328	16,208	918	[1] 190	338	198	161	97	6
Tartaric	do	[1] 3,074	1,565	2,854	1,913	2,220	2,912	[1] 654	330	644	612	689	779
Acetic or pyroligneous	do					29,235	22,377					2,117	1,498
All other	do		13,011	13,081	21,928	1,800	2,330	1,048	1,036	1,240	1,783	380	325
Alcohols, including fusel oil								541	440	947	202	276	32
Ammonium compounds—													
Chloride (muriate)	1,000 lbs	7,955	15,812	14,279	11,024	9,561	6,628	393	617	509	339	298	208
Nitrate	do	[1] 11,512	8,344	11,218	13,172	9,496	8,165	[1] 683	383	451	526	349	264
All other	do	[1] 2,319	1,161	1,769	1,439	974	661	[1] 104	65	72	74	50	39
Barium compounds	do	[1] 14,039	24,477	14,649	14,877	8,151	6,706	[1] 317	314	239	226	138	98
Calcium acetate	1,000 lbs						[6] 46						[6] 2
Calcium carbide [10]	do	35,120	21,845	4,461	2,527	3,773	1,932	1,282	847	167	92	141	74
Cellulose compounds, n. e. s.	1,000 lbs						[5] 353						[5] 228
Cobalt oxide	do	[1] 258	333	370	364	476	426	[1] 500	632	704	693	885	769
Copper sulphate (blue vitriol)	do	[2] 2,836	2,559	1,979	3,612	5,389	5,964	[2] 128	117	89	172	273	283
Lime—													
Chlorinated, or bleaching powder	do	5,147	3,767	2,712	3,167	2,791	2,370	107	85	76	80	77	64
Citrate of	do	4,916	3,371	166				635	339	17			
Glycerin	do	11,765	38,539	23,239	9,126	20,345	14,362	1,306	6,339	3,910	805	1,305	924
Crude	do		27,659	14,971	4,916	14,852	11,185		3,996	2,218	356	864	652
Refined	do		10,880	8,268	4,210	5,493	3,177		2,343	1,692	449	501	272
Iodine, crude	do	304	711	926	721	627	494	847	2,272	2,901	2,429	2,249	1,798
Magnesium compounds	do	[2] 24,425	29,997	21,054	17,311	17,928	10,942	[2] 205	293	212	200	231	172
Potassium compounds—													
Cyanide	do	2,908	104	340	116	137	91	246	36	70	44	54	32
Carbonate	do	8,530	11,523	13,192	16,912	22,644	18,241	368	534	619	769	1,024	848

[1] Average for years 1923–1925.
[2] Average for years 1924–25.
[5] June 18 to Dec. 30, 1930.
[6] Average for years 1922–1925.
[10] "Acetate, carbide, chloride, crude, and nitrate" for 1921 and 1922 and "Acetate, crude, and chloride" for 1923.

No. 549.—General Imports of Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926	1927	1928	1929	1930	1921–1925	1926	1927	1928	1929	1930
GROUP 8.—CHEMICALS AND RELATED PRODUCTS—Con.												
C. Industrial chemicals—Continued.												
Potassium compounds—Continued.												
Hydroxide (caustic potash)[30] 1,000 lbs.	12,065	12,969	14,762	11,648	15,648	9,323	675	771	916	686	1,001	493
Nitrate, crude, or saltpeter tons of 2,240 lbs.	4,336	9,416	4,809	9,674	12,800	12,799	274	527	228	376	646	620
Bitartrate, crude, argols, or wine lees 1,000 lbs.	20,054	25,570	24,906	12,890	18,001	18,082	1,436	1,791	2,289	1,331	2,113	1,836
Cream of tartar do.	[2] 932	259	291	159	181	60	[2] 108	37	57	32	29	11
Chlorate and perchlorate do.	[2] 9,660	12,537	13,392	13,130	13,956	15,106	[2] 395	460	496	481	498	541
Other potassium compounds, n. e. s. do.	12,152	11,409	9,817	12,040	19,393	3,943	830	609	500	581	825	251
Sodium compounds—												
Cyanide do.	22,802	31,804	32,599	37,577	40,047	26,401	1,982	2,558	2,608	2,930	3,199	2,043
Ferrocyanide (yellow prussiate) do.	[1] 1,979	815	1,787	1,625	1,940	1,590	[1] 190	55	143	136	168	137
Nitrite do.	[1] 3,745	1,927	292	108	312	61	[1] 166	70	11	4	12	3
All other, n. e. s.							1,231	1,313	1,602	1,725	2,987	2,129
Radium salts grains				169	165	260		549	394	566	579	925
All other industrial chemicals							6,822	8,809	4,944	5,116	6,912	5,046
D. Pigments, paints, and varnishes							3,080	3,821	3,755	3,766	3,823	2,613
Mineral earth pigments—												
Iron oxide and iron hydroxide pigments 1,000 lbs.		27,987	24,050	25,491	24,441	17,038		667	588	607	599	375
Ochers and siennas do.	[1] 20,273	20,846	20,872	21,499	22,034	14,576	[1] 290	390	448	493	416	274
Other [31]							1,328	481	594	508	601	368
Chemical pigments—												
Lithopone and other zinc pigments 1,000 lbs.	19,319	19,796	18,787	22,681	19,578	15,042	371	378	386	1,041	957	670
All other							[1] 593	586	514	561	538	469
Paints, stains, and enamels 1,000 lbs.	[1] 1,229	2,227	2,194	1,701	1,992		[1] 428	742	680	565	650	405
Varnishes 1,000 gals.	[1] 24	38	26	29	35	33	[1] 68	78	44	50	61	51
E. Fertilizers and materials 1,000 tons of 2,240 lbs.	1,609	2,089	1,819	2,535	2,310	1,965	56,865	69,299	58,842	78,118	72,340	59,151
Nitrogenous—												
Calcium cyanamide or lime nitrogen tons of 2,240 lbs.	59,990	88,373	109,330	135,727	184,260	144,522	3,049	4,193	4,337	4,685	6,221	4,874
Calcium nitrate do.	[1] 8,223	13,457	18,890	23,815	31,684	43,871	[1] 347	586	845	1,012	1,257	1,560
Sodium nitrate do.	780,430	914,295	748,782	1,022,911	930,458	568,594	37,158	42,781	30,132	38,991	34,913	21,445
Ammonium-sulphate nitrate do.			44,659	83,913	16,284	8,141			2,631	4,793	884	391
Guano do.	[3] 14,801	11,673	23,321	22,534	45,905	40,431	[3] 525	430	898	1,047	2,203	1,656
Dried blood do.	[3] 7,279	11,412	11,993	9,511	9,773	11,333	[3] 415	707	696	667	696	627
Tankage do.	[2] 25,888	24,568	23,672	43,461	20,779		[2] 847	1,009	900	1,286	814	
Sulphate of ammonia do.	8,574	8,386	17,153	42,066	18,812	33,784	479	468	780	1,845	763	1,159
All other do.	[6] 70,920	71,732	53,627	82,270	69,039	110,881	[6] 2,181	2,524	1,195	2,476	2,655	3,959

Phosphates—												
Bone ash, dust, and meal and other animal carbon for fertilizers—tons of 2,240 lbs.	31,470	46,716	54,586	82,459	55,877	59,630	965	1,380	1,541	2,567	1,624	1,475
Other phosphate materials—do	[1] 15,061	21,994	47,329	50,388	48,937	36,631	[1] 199	282	561	501	525	434
Potash fertilizers—												
Chloride, crude (muriate of potash)—do	131,597	199,191	163,817	233,611	230,966	273,256	4,722	6,196	5,739	8,182	8,225	9,930
Sulphate, crude—do	55,406	69,873	68,904	86,458	79,510	86,257	2,257	2,823	2,948	3,908	3,648	3,947
Kainite—do	144,175	181,877	102,987	107,051	75,930	112,013	1,104	1,215	815	887	644	979
Manure salts—do	222,685	316,440	277,998	404,680	390,828	361,799	2,315	3,391	3,677	5,251	5,113	5,048
Other potash-bearing substances—do	[1] 34,295	48,333	9,403	10,756	675	547	[1] 404	498	245	330	9	5
Fertilizers, compounded or chemically combined, containing nitrogen, phosphoric acid, and potash—tons of 2,240 lbs.				4,122	5,066	12,106				249	381	854
All other fertilizers—do	59,441	54,299	42,987	79,787	94,992	61,299	1,593	755	901	1,441	1,765	806
F. Explosives							918	1,165	1,093	979	960	911
Azides, fulminates, dynamite, etc., and powder from countries imposing duty							[1] 133	208	163	119	133	105
Firecrackers—1,000 lbs.				4,184	4,023	4,609	[1] 746	795	835	780	748	754
Fireworks and ammunition							[1] 101	163	95	80	79	51
G. Soap and toilet preparations							7,076	6,602	8,197	7,191	6,988	4,785
Soap—												
Castile—1,000 lbs.	1,938	2,021	2,396	3,403	3,606	3,664	234	246	367	427	419	347
Toilet—do	2,793	1,219	1,653	2,012	2,039	1,854	538	409	570	575	651	556
All other—do		3,094	1,976	1,705	1,385	1,504		319	198	183	193	179
Perfumery, bay rum, and toilet water							6,304	2,188	2,002	1,615	1,503	986
Perfume materials								2,799	4,329	3,576	3,296	2,142
Bath salts—1,000 lbs.						[5] 38						[5] 11
Cosmetics, powders, creams, etc.								641	731	746	925	568
GROUP 9.—MISCELLANEOUS												
Total							153,145	171,331	178,378	187,218	220,485	173,344
A. Photographic goods							6,442	5,683	5,827	6,016	7,159	3,959
Cameras and parts							387	325	370	354	645	573
Sensitized films, not exposed—1,000 lin. ft.	230,069	291,683	278,013	261,755	358,911	203,977	4,356	3,800	3,709	3,638	4,395	1,679
Motion-picture films—												
Negatives—do	2,391	1,740	2,283	2,576	2,943	2,580	766	306	315	309	378	368
Positives—do	5,997	3,821	3,834	5,243	4,918	4,894	289	188	167	214	180	225
Other films and dry plates							88	166	226	230	261	258
Photographic paper—1,000 lbs.	2,689	3,438	3,771	4,358	4,596	2,931	556	898	1,039	1,272	1,300	858
B. Scientific and professional instruments, apparatus, and supplies, n. e. s.							2,135	2,877	3,179	3,380	4,074	3,087
Optical goods—												
Opera and field glasses—thousands		295	400	301	212	132	1,377	426	469	527	700	452
Other optical instruments and parts								1,113	1,229	1,133	1,294	867
Spectacles, eyeglasses, and parts								168	139	193	212	112

[1] Average for years 1923–1925.
[2] Average for years 1924–25.
[3] Average for years 1921 and 1924–25.
[5] June 18 to Dec. 30, 1930.
[6] Average for years 1922–1925.
[10] "Hydrate" prior to Sept. 22, 1922.
[31] All paints, colors, and varnishes, except zinc pigments prior to Sept. 22, 1922.

No. 549.—General Imports of Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926	1927	1928	1929	1930	1921–1925	1926	1927	1928	1929	1930
Group 9. Miscellaneous—Continued												
B. Scientific and professional instruments, etc.—Continued.												
Dental and surgical instruments							[1] 480	464	564	639	854	638
Philosophical and scientific, etc., instruments and apparatus							469	705	778	889	1,014	1,018
C. Musical instruments							3,788	5,197	4,797	4,318	4,503	3,673
Pianos and organs							[1] 205	305	271	227	363	191
Phonograph and similar articles and parts							533	641	650	499	418	213
Band instruments and violins							[1] 657	573	603	769	760	638
Other instruments, parts, and accessories							2,739	3,679	3,273	2,823	2,961	2,631
E. Toys, athletic, and sporting goods							8,081	6,795	6,383	6,449	7,349	6,132
Toys—												
Dolls and parts							1,323	786	999	970	1,358	1,054
Other toys							5,143	3,611	3,598	3,288	3,771	3,188
Dice, dominoes, chips, etc							[1] 124	85	101	114	126	119
Athletic and sporting goods—												
Fishing rods, reels, hooks, bait, etc							456	356	388	407	601	499
Golf balls thousands	[1] 3,733	3,362	3,060	2,643	2,550	1,841	[1] 1,316	1,377	1,234	1,043	807	602
Other balls for games do		905	768	962	876	1,089		109	100	111	124	103
Other athletic sporting goods							[5] 369	471	462	516	563	567
F. Firearms							[2] 646	540	459	550	795	573
G. Books and other printed matter							9,408	14,422	13,161	14,422	15,697	13,349
Books and pamphlets in foreign languages								2,138	1,648	1,665	1,967	2,239
Books, maps, music, etc., 20 years old								2,769	2,453	3,870	4,196	3,044
Other books, etc. (free)							8,019	3,152	2,208	2,163	2,578	2,690
Books, pamphlets, and music, n. e. s								3,764	4,058	3,859	4,191	3,875
Maps, charts, and other printed matter, n. e. s								571	782	787	763	
Lithographic prints—												
Cigar bands, labels, and flaps 1,000 lbs	828	188	239	206	145	87	612	190	273	254	179	105
Decalcomanias do		428	369	464	426	340		607	513	612	579	474
All other							776	1,231	1,226	1,207	1,244	922
H. Clocks, watches, etc							11,807	14,985	15,625	13,245	16,922	8,681
Chronometers, clocks, and parts							833	1,044	1,163	1,266	1,317	
Chronometers and clocks number					231,939	140,564					808	443
Clock cases, parts, and materials											509	98
Watches and watch movements thousands	2,063	3,958	4,581	3,682	5,146	2,423	6,444	10,417	11,330	9,266	11,717	5,902
Cases, dials, and parts of watches, n. e. s							3,480	1,415	1,589	1,592	2,263	1,064
Jewels for watches, clocks, meters, etc							[1] 1,452	1,783	1,244	618	973	981
Recorders, meters, regulators, and similar instruments, and parts, n. s. p. f							[1] 189	327	300	502	652	193

I. Art works							31,222	53,464	60,421	65,753	82,106	65,159
The production of American artists							218	195	371	163	324	198
Original paintings, statuary, etc							6,787	8,225	11,827	15,345	19,198	14,151
Statuary, regalia, etc., for religious or educational purposes							838	1,563	1,669	1,514	1,472	1,317
Works of art 100 years old							22,324	41,494	44,799	46,914	58,839	46,773
Works of art for exhibition, presentation to public institutions, etc							709	1,441	1,061	1,136	1,519	1,898
All other art works							347	544	694	682	754	822
J. Miscellaneous articles, n. e. s							80,004	87,387	68,026	73,087	81,122	68,255
Buttons—												
Pearl or shell	1,000 gross		1,111	805	1,049	830	957	1,411	511	375	489	436	436
Agate, horn, and glass	do		3,715	3,950	4,025	6,986	1,389		660	759	692	1,012	296
All other									461	280	193	196	269
Matches—												
In boxes containing not more than 100 matches	1,000 gross		5,852	6,102	5,564	10,577	4,061	1,963	2,123	2,167	2,090	3,405	1,434
All other									39	50	25	30	18
Beads and bead ornaments—												
Imitation pearl beads								9,459	1,086	2,087	1,449	1,604	791
Other beads									1,183	1,278	3,292	4,388	3,839
Fabrics and articles, chief value beads									2,025	862	493	404	286
Pipes and smokers' articles								1,367	2,136	2,213	1,366	1,327	803
Brushes—												
Tooth	1,000 doz	4,190	1,031	651	986	3,929	1,174	2,188	494	325	522	1,763	533
Other toilet	do		553	439	467	308	272		901	487	529	488	378
Other brushes	do		2,770	3,651	4,325	4,846	4,347		985	689	372	555	441
Pyroxylin products, celluloid, pyralin, etc								1,217	2,864	2,715	2,755	2,713	1,500
Pencils, crayons, leads, etc								529	684	707	857	1,316	593
Pens and penholders								381	441	321	342	447	216
All other dutiable articles								4,930	5,762	6,896	7,747	8,400	5,050
Household and personal effects, etc., of persons arriving in the United States								9,173	8,244	7,988	7,025	7,399	7,447
Articles, imported under bond, for export within 6 months								3,837	5,203	5,192	5,349	6,373	5,812
Articles the growth, produce, or manufacture of the United States, returned—												
Automobiles	number	[3] 1,409	188	181	263	465		2,524	276	286	286	618	323
Containers	thousands		3,879	3,276				37,746	4,995	5,087	4,833	5,409	4,356
All other									24,443	23,438	29,048	29,272	31,946
Articles imported under special provisions, n. e. s								979	539	1,034	1,074		
Product of the Philippine Islands, n. e. s								15	19	30	20		
Product of the Virgin Islands, n. e. s								5	1	15	6		
Product of Cuba, n. e. s								2	3	(9)	1		
All other free articles								2,277	1,589	2,744	2,032	3,567	1,487

[1] Average for years 1923–1925.
[2] Average for years 1924–25.
[3] Average for years 1921 and 1924–25.
[4] Average for years 1922–1925.
[9] Less than 500.

No. 550.—REEXPORTS OF FOREIGN MERCHANDISE

NOTE.—Values expressed in thousands of dollars. Group totals are for all items in the group, only the most important of which are listed. For weights of the bushel and barrel see appendix, p. 879. Tons are of 2,240 pounds

Group	1925	1926	1927	1928	1929	1930
Total value	91,125	86,939	106,512	98,258	83,912	62,009
Group 00.—Animals and animal products, edible	2,865	2,284	1,800	2,150	1,730	1,097
Group 0.—Animals and animal products, inedible	10,901	10,765	14,562	17,129	11,394	7,885
Group 1.—Vegetable food products and beverages	20,693	20,693	19,817	20,184	13,058	8,872
Group 2.—Other vegetable products, except fibers and wood	25,986	27,820	30,571	25,249	26,387	14,864
Group 3.—Textiles	21,978	24,202	25,656	19,780	19,436	14,800
Group 4.—Wood and paper	594	623	729	896	863	703
Group 5.—Nonmetallic minerals	488	1,691	728	712	1,029	1,367
Group 6.—Metals, and manufactures of, except machinery and vehicles	1,810	2,934	3,161	2,933	2,201	2,487
Group 7.—Machinery and vehicles	505	422	528	598	603	740
Group 8.—Chemicals and related products	1,335	1,381	1,763	1,976	1,159	1,429
Group 9.—Miscellaneous	4,570	5,561	7,108	6,651	5,963	7,070

Article	1930 Quantity	1930 Value
GROUP 00		
Butter—M pounds	15	4
Cheese—do	104	50
Fish (total)—do	5,582	648
Herring—do	1,022	55
Cod, haddock, hake, and pollock—M pounds	2,374	196
Eggs, frozen, dried, etc—do	920	275
Sausage casings—do	258	91
GROUP 0		
Hides and skins, except fur skins (total)—M pounds	14,200	2,880
Cattle hides—do	10,972	1,685
Calfskins—do	1,125	376
Goatskins—do	517	270
Sheepskins—do	1,104	281
Leather		659
Furs:		
Undressed—thousands	2,690	2,284
Dressed—do	358	958
Horses—number		51
Bristles—M pounds	301	414
Shells, unmanufactured—do	303	61
Sponges—do	70	75
GROUP 1		
Grains and preparations (total)		184
Corn—M bushels	1	3
Rice, cleaned—M pounds	3,417	124
Wheat—M bushels	16	16
Wheat flour—M barrels	2	13
Vegetables (total)		1,797
Beans—M bushels	157	459
Peas—do	277	1,037
Fruits (total)		2,077
Bananas—M bunches	795	1,502
Pineapples—M boxes	51	131
Dates—M pounds	1,569	113
Nuts (total)		332
Cream and Brazil—M pounds	1,266	164
Walnuts—do	261	38
Peanuts—do	1,801	47
Cacao beans—do	8,814	926
Coffee—do	14,464	2,357
Tea—do	609	208
Spices (total)		726
Nutmegs—M pounds	119	23
Pepper—do	1,210	244
Vanilla beans—do	43	71
Sugar—do	3,808	132

Article	1930 Quantity	1930 Value
GROUP 2		
Rubber, crude—M pounds	67,660	9,316
Balata—do	1,184	259
Gums (total)—do	3,240	716
Shellac—do	725	238
Other varnish gums, resins—do	789	105
Vegetable drugs—do	775	241
Copra—do	6,690	284
Oils expressed (total)—do	18,753	1,547
Tung oil—do	6,259	662
Coconut oil—do	1,797	118
Palm and palm-kernel oil—do	978	73
Vegetable wax—do	797	157
Essential oils—do	97	142
Dyeing and tanning materials of vegetable origin—M pounds	519	64
Seeds except oil seeds—do	1,060	99
Tobacco (total)—do	2,331	1,895
Cigar wrapper leaf—do	809	914
Other leaf—do	1,502	969
Vegetable ivory (tagua nuts)—do	2,529	75
GROUP 3		
Cotton (total)		1,227
Unmanufactured—M pounds	2,033	409
Cloth—M sq. yds	429	249
Wearing apparel		175
Burlaps—M pounds	491	55
Jute bags—do	1,283	105
Hemp—tons	1,335	217
Manufactures of flax, hemp, or ramie		322
Manila, or abaca—tons	5,298	728
Sisal and henequen—do	13,157	2,168
Kapok—do	169	63
Hat braid of straw or fiber—M yds	23,736	182
Hats of straw, palm leaf, or other fiber—thousands	510	301
Wool (total)—M pounds	1,864	508
Carpet wool—do	649	163
Clothing wool—do	222	51
Combing wool—do	844	226
Mohair, alpaca, etc—do	149	68
Wool manufactures (total)		1,099
Wool rags, noils, waste—M pounds	183	67
Wool cloths and dress goods—M pounds	135	203
Wool carpets and rugs—M sq. yds	88	396

No. 550.—Reexports of Foreign Merchandise—Continued

[Values expressed in thousands of dollars]

Article	1930		Article	1930	
	Quantity	Value		Quantity	Value
Group 3—Continued			Group 6—Continued		
Hair and manufactures..M pounds	478	76	Tin in bars, blocks, or pigs ..M pounds	4,814	1,639
Silk (total)		6,089			
Silk, raw..M pounds	1,412	5,519	Group 7		
Spun silk..do	16	52			
Silk fabrics (broad silk)..do	15	89	Electrical machinery and apparatus		61
Silk wearing apparel..do	13	138			
Artificial silk and manufactures		1,130	Textile machinery and parts		87
Group 4			Other machinery, except agricultural		361
Wood (total)		326	Automobiles and chassis..number	39	108
Cabinet wood logs..M feet	530	86			
Paper		195	Group 8		
Group 5			Chemicals (total)		632
Petroleum and products ..M barrels	10	74	Coal-tar colors or dyes ..M pounds	197	203
Mineral wax..M pounds	2,469	126	Medicinal and pharmaceutical preparations		109
Asbestos, unmanufactured..ton	111	22	Nitrate of soda..M tons	10	456
Mica and manufactures of ..M pounds	69	21			
Clay and clay products		81	Group 9		
Group 6			Photographic goods..M lin. feet	852	34
Iron and steel		356	Art works, paintings, and statuary		4,860
Copper ingots, bars, etc..M pounds	163	15			
Lead pigs, bars, and old..do	672	30			

No. 551.—IMPORTED DUTIABLE MERCHANDISE ENTERED FOR CONSUMPTION: By Tariff Schedules

Note.—All figures except percentages in thousands of dollars. Figures cover fiscal years to and including 1918, calendar thereafter. Per cents represent the average ad valorem rate or ratio of duties to values of dutiable merchandise

Year	Schedule 1.—Chemicals, oils, and paints			Schedule 2.—Earths, earthonware, and glassware			Schedule 3.—Metals, and manufactures of		
	Values	Duties	Per cent	Values	Duties	Per cent	Values	Duties	Per cent
1905	31,011	8,845	28.52	23,126	12,194	52.73	36,327	14,449	39.77
1906	33,482	9,665	28.87	26,590	13,749	51.71	50,917	18,770	36.86
1907	40,246	11,124	27.64	31,306	15,350	49.03	67,149	21,882	32.59
1908	39,127	10,530	26.91	26,224	13,251	50.53	45,280	16,004	35.34
1909	42,037	11,218	26.13	21,148	10,642	50.32	41,103	15,656	38.09
1910	42,022	11,072	26.41	24,774	12,468	50.33	66,961	22,333	33.35
1911	43,869	12,564	25.71	24,495	12,669	51.72	58,757	18,869	32.11
1912	47,236	12,240	25.91	21,994	11,156	50.72	50,492	17,346	34.35
1913	49,387	13,017	26.36	23,002	11,385	49.50	64,300	20,514	31.90
1914	60,314	13,100	21.72	25,222	10,187	40.39	50,743	12,190	24.02
1915	54,098	11,222	20.74	18,142	6,805	37.51	31,836	6,990	21.96
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	14,933	5,009	33.55	43,186	8,672	20.08
1920	120,319	15,335	12.75	30,257	9,241	30.54	83,337	16,677	20.01
1921	64,753	14,144	21.84	28,501	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	26,980	29.95	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	56,391	24,529	43.50	113,684	38,961	34.27
1926	98,308	28,681	29.17	61,089	28,908	47.32	147,010	48,528	33.01
1927	98,312	27,997	28.48	58,260	28,217	48.43	135,403	47,179	34.84
1928	92,633	28,011	30.24	53,321	25,865	48.51	131,921	46,251	35.06
1929	110,452	33,910	30.70	55,304	27,014	48.85	154,022	54,654	35.48
1930	73,337	25,859	35.26	41,646	20,524	49.28	97,214	36,367	37.41

No. 551.—Imported Dutiable Merchandise Entered for Consumption: By Tariff Schedules—Continued

[All figures except percentages in thousands of dollars]

Year	Schedule 4.—Wood, and manufactures of			Schedule 5.—Sugar, molasses, and manufactures of			Schedule 6.—Tobacco, and manufactures of		
	Values	Duties	Per cent	Values	Duties	Per cent	Values	Duties	Per cent
1905	16,708	2,750	16.46	91,577	51,442	56.17	20,725	22,690	109.48
1906	22,761	3,650	16.04	86,133	52,649	61.12	22,917	23,928	104.41
1907	24,472	3,701	15.12	92,784	60,339	65.03	29,959	26,125	87.20
1908	23,350	3,301	14.14	83,627	50,168	59.99	26,495	22,160	83.64
1909	23,285	3,141	13.49	93,479	56,414	60.35	27,332	23,269	85.14
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	12.46	105,745	50,951	48.18	31,116	25,572	82.18
1913	27,851	3,408	12.24	91,448	53,482	58.48	32,438	26,748	82.46
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*	*157,571*	*49,008*	31.48	29,499	24,875	84.33
1916	4,583	660	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	29,537	79.99
1918	4,412	636	14.41	240,380	49,093	20.42	31,963	21,961	68.76
1918 (6 months)	1,675	218	12.99	87,180	18,250	20.93	20,309	12,270	60.42
1919	6,090	852	13.99	387,283	68,609	17.72	51,609	27,563	53.41
1920	13,367	1,979	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	147,969	63.52	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	337,862	135,906	40.23	67,530	33,941	50.26
1925	18,570	4,164	22.42	221,347	139,103	62.84	69,943	35,428	50.65
1926	18,004	4,307	23.92	205,659	146,591	71.28	70,789	38,076	53.79
1927	19,879	4,535	22.81	222,703	131,199	58.91	68,632	40,016	58.31
1928	16,917	4,191	24.77	174,760	118,572	67.85	62,319	39,315	63.09
1929	*17,411*	4,301	24.70	*156,232*	*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

Year	Schedule 7.—Agricultural products and provisions[1]			Schedule 8.—Spirits, wines, and other beverages			Schedule 9.—Cotton manufactures		
1905	47,570	15,418	32.41	17,912	12,548	70.05	22,027	10,409	47.26
1906	53,869	18,127	33.65	19,669	14,010	71.22	26,656	12,293	46.12
1907	63,721	19,204	30.14	23,083	16,318	70.69	31,857	14,285	44.84
1908	69,610	21,619	31.06	21,420	15,213	71.02	31,577	13,878	43.95
1909	71,719	23,633	32.95	23,382	16,144	69.05	26,228	11,660	44.48
1910	84,873	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	26,204	12,326	47.04
1912	117,711	34,146	29.01	20,731	17,410	83.98	24,358	11,085	45.51
1913	99,708	27,755	27.81	22,372	19,476	87.05	25,057	11,062	44.14
1914	122,305	24,817	20.29	21,764	19,675	90.40	32,529	9,260	28.47
1915	87,673	18,036	20.57	14,393	13,405	93.14	24,065	6,442	26.31
1916	94,635	16,164	17.08	17,330	15,551	89.73	24,245	5,969	24.62
1917	132,718	17,016	13.50	18,612	13,586	73.00	36,417	8,260	22.68
1918	125,360	14,595	11.64	10,563	7,038	66.63	30,947	6,872	22.21
1918 (6 months)	49,322	5,547	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	89,275	21,185	23.74
1921	156,497	26,206	16.75	3,197	1,515	47.37	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	61,578	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	30.15
1925	259,917	60,568	23.30	*1,161*	*492*	*42.38*	*49,999*	*16,347*	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	465	34.44	40,461	14,561	35.99
1928	282,375	64,140	22.71	1,346	483	35.88	42,456	15,681	36.93
1929	297,161	68,055	22.90	1,571	544	34.63	42,865	15,627	36.46
1930	213,035	59,595	27.97	1,363	430	31.55	33,282	13,457	40.43

[1] Potatoes, dutiable under paragraph 581, and wheat and products, dutiable under paragraph 644, tariff act of 1913, are included, beginning with 1914.

No. 551.—Imported Dutiable Merchandise Entered for Consumption: By Tariff Schedules—Continued

[All figures except percentages in thousands of dollars]

Year	Schedule 10.—Flax, hemp, and jute, and manufactures of[2]			Schedule 11.—Wool, and manufactures of			Schedule 12.—Silks and silk goods		
	Values	Duties	Per cent	Values	Duties	Per cent	Values	Duties	Per cent
1905	73,284	33,769	46.08	53,465	33,078	61.87	31,823	17,010	53.45
1906	92,055	41,777	45.38	63,205	37,969	60.02	32,592	17,351	53.24
1907	114,124	49,891	43.72	62,332	36,561	58.19	38,817	20,314	52.33
1908	96,177	41,922	43.59	45,822	28,845	62.95	31,755	16,493	51.94
1909	91,210	42,145	46.21	52,814	33,365	63.17	31,001	16,284	52.53
1910	106,375	49,735	46.75	70,745	41,905	59.23	32,296	17,024	52.71
1911	99,402	47,053	47.34	48,395	28,983	59.89	30,994	16,053	51.80
1912	108,698	49,062	45.14	48,361	27,072	55.98	26,572	13,695	51.54
1913	116,587	48,912	41.95	45,336	25,833	56.98	29,224	14,812	50.68
1914	56,471	19,913	35.20	39,265	16,957	43.19	34,040	15,377	45.17
1915	30,051	8,795	29.27	30,438	9,912	32.56	23,098	9,810	42.47
1916	30,944	8,619	27.85	18,353	6,129	33.39	28,305	11,928	42.14
1917	29,130	8,209	28.19	21,184	7,081	33.43	35,124	14,655	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	18,123	5,695	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	34.93	45,055	18,576	41.23
1922	63,505	15,999	25.19	79,956	48,225	60.31	36,653	16,622	45.35
1923	121,126	24,632	20.34	162,016	91,466	56.45	40,794	21,692	53.18
1924	117,216	26,121	22.28	123,904	62,582	50.51	33,234	17,629	53.05
1925	143,723	25,684	17.87	162,458	71,019	43.71	40,304	21,388	53.07
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	25,088	18.48	115,181	57,172	49.64	48,739	27,810	57.06
1929	129,409	24,600	19.01	121,636	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

Year	Schedule 14.—Papers and books			Schedule 15.—Sundries[2]		
	Values	Duties	Per cent	Values	Duties	Per cent
1905	11,975	2,526	21.09	92,513	20,771	22.45
1906	14,174	3,021	21.31	119,640	26,601	22.23
1907	20,005	4,136	20.67	133,094	29,892	22.45
1908	22,335	4,415	19.75	94,016	24,475	25.87
1909	22,765	4,412	19.39	113,862	26,387	23.17
1910	24,833	5,285	21.28	120,594	29,134	24.16
1911	26,111	5,645	21.62	109,050	27,443	25.17
1912	22,828	4,887	21.41	108,953	26,932	24.72
1913	24,899	5,061	20.45	128,013	30,759	24.03
1914	13,999	3,114	22.25	144,588	48,539	33.57
1915	9,386	1,989	21.19	100,817	37,159	36.86
1916	6,491	1,258	19.38	123,485	39,496	31.98
1917	8,036	1,682	20.92	134,558	40,286	29.94
1918	6,368	1,185	18.60	100,803	30,568	28.62
1918 (6 months)	2,759	460	16.67	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	54,222	32.82
1922	12,806	2,776	21.67	197,513	65,370	33.09
1923	19,217	4,667	24.29	226,319	86,047	38.29
1924	18,729	4,813	25.70	215,846	86,695	40.17
1925	18,682	4,416	23.60	217,279	83,288	38.33
1926	21,463	5,241	24.42	220,078	86,448	37.74
1927	22,138	5,417	24.47	226,117	88,624	39.19
1928	25,910	7,881	30.42	215,657	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

[2] Laces, embroideries, etc., included in Schedule 10 prior to 1914 are, under the law of Oct. 3, 1913, included in Schedule 15, beginning 1914.

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 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, Porto Rico Hawaii, and Alaska 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 three territories appears as a separate customs district (Table 542). 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 510, p. 482.

The tables in this section present the total foreign trade of each of the United States territories and possessions and shows separately the trade with Continental United States (unless otherwise indicated) and with foreign countries, including other United States territories and possessions.

No. 552.—IMPORTS AND EXPORTS OF ALASKA

NOTE.—In 1930 Alaska shipped domestic silver valued at $180,296 and foreign gold valued at $30,450 to the United States

Yearly average or year ended—	Merchandise imports			Merchandise exports			Shipments domestic gold to United States
	From United States [1]	From other countries	Total	To United States	To other countries	Total	
June 30:	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
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	185,182			135,069		
1901	13,457,000	557,992			2,534,318		
1902		511,830			2,612,021		
1903	9,509,701	477,463	9,987,164	10,226,569	1,612,128	11,840,697	
1904	10,165,110	607,355	10,772,465	10,165,140	1,565,690	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	9,059,023
1906	14,869,327	845,291	15,715,118	9,272,337	1,377,398	10,649,735	12,638,608
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	619,348	19,289,687	12,440,380	1,168,014	13,608,394	18,393,128
1911	16,205,730	706,171	16,911,901	14,055,320	1,136,745	15,192,074	15,153,671
1912	19,417,227	563,503	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	14,576,015
1914	22,461,723	567,399	23,029,122	21,817,408	1,124,239	22,941,647	12,291,672
1915	21,260,042	640,886	21,900,928	27,442,335	1,001,389	28,443,724	15,348,666
1916	27,086,288	1,066,612	28,152,900	49,468,186	1,426,362	50,894,548	16,195,635
1917	38,992,049	1,469,524	40,461,573	60,773,859	2,474,894	63,248,753	15,409,529
1918	44,280,075	967,532	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	37,476,252	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	1,530,035	62,469,096	6,543,313
1921	19,274,215	935,013	20,209,238	36,916,924	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	30,631,366	514,466	31,145,832	53,761,494	1,325,773	55,087,267	5,931,896
1924	32,046,273	529,618	32,575,891	54,974,168	1,351,380	56,325,548	4,602,745
1925	32,952,530	848,981	33,199,511	56,918,740	901,543	57,820,289	5,219,542
1926	31,587,337	543,683	32,131,020	73,300,506	521,881	73,822,387	5,743,076
1927	35,604,108	766,302	36,370,410	51,348,688	483,679	51,832,367	5,394,107
1928	32,058,976	559,262	32,618,238	67,587,207	622,738	68,209,945	6,352,204
1929	33,220,584	954,273	34,174,857	63,567,677	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	7,631,737

[1] Unofficial estimates of the value of merchandise shipped from Pacific coast ports to Alaska from 1880 to 1901; from 1903 to date, official figures of shipments to Alaska.

Source: Bureau of Foreign and Domestic Commerce.

No. 553.—IMPORTS AND EXPORTS OF PORTO RICO

Yearly average or year ended—	Merchandise imports			Merchandise exports		
	From United States	From other countries	Total	To United States	To other countries	Total
June 30:	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
1901–1905	11, 055, 607	[1] 2, 200, 857	13, 256, 464	10, 486, 414	3, 743, 050	14, 228, 464
1906	19, 224, 881	2, 602, 784	21, 827, 665	19, 142, 461	4, 115, 069	23, 257, 530
1907	25, 686, 285	3, 580, 887	29, 267, 172	22, 070, 133	4, 926, 167	26, 996, 300
1908	22, 677, 376	3, 148, 289	25, 825, 665	25, 891, 261	4, 753, 209	30, 644, 470
1909	23, 618, 545	2, 925, 781	26, 544, 326	26, 394, 312	3, 996, 913	30, 391, 225
1910	27, 097, 654	3, 537, 201	30, 634, 855	32, 095, 897	5, 864, 617	37, 960, 514
1911	34, 671, 958	4, 115, 039	38, 786, 997	34, 765, 409	5, 152, 958	39, 918, 367
1912	38, 470, 963	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, 954, 465	33, 884, 296	42, 311, 920	7, 044, 987	49, 356, 907
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, 758	4, 443, 524	63, 389, 282	65, 515, 650	8, 753, 450	74, 269, 100
Dec. 31:						
1918 (6 months)	25, 668, 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, 561, 574	7, 512, 404	129, 073, 978	158, 322, 083	16, 346, 697	174, 668, 780
1921	60, 977, 112	7, 377, 251	68, 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, 504	84, 467, 120	80, 303, 272	5, 768, 723	86, 071, 995
1924	78, 412, 003	9, 337, 444	87, 749, 447	77, 330, 748	7, 397, 792	84, 728, 540
1925	77, 499, 807	11, 620, 875	89, 120, 682	92, 679, 754	7, 053, 295	99, 733, 049
1926	84, 737, 537	12, 664, 064	97, 401, 601	90, 166, 856	7, 579, 594	97, 746, 450
1927	86, 326, 54$_6$	11, 264, 383	97, 594, 286	96, 902, 024	7, 557, 741	104, 459, 765
1928	81, 940, 28$_3$	13, 325, 628	95, 265, 911	97, 268, 763	6, 398, 231	103, 666, 994
1929	75, 979, 91$_4$	11, 728, 596	87, 997, 875	78, 126, 574	5, 117, 801	83, 234, 375
1930	74, 219, 21$_9$	10, 318, 649	84, 537, 868	99, 880, 061	4, 068, 810	103, 948, 871

No. 554.—IMPORTS AND EXPORTS OF HAWAII

Yearly average or year ended—	Merchandise imports			Merchandise exports		
	From United States	From other countries	Total	To United States	To other countries	Total
June 30:	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
1901–1905	[1] 11, 459, 879	3, 165, 206	[1] 14, 778, 085	28, 029, 059	64, 698	28, 093, 757
1906	12, 036, 675	3, 275, 242	15, 311, 917	26, 882, 199	56, 313	26, 938, 512
1907	14, 435, 725	4, 151, 709	18, 587, 434	29, 071, 813	229, 914	29, 301, 727
1908	15, 038, 155	4, 682, 399	19, 720, 554	41, 640, 505	597, 640	42, 238, 145
1909	17, 780, 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, 183, 265	306, 763	46, 490, 028
1911	21, 925, 177	5, 190, 449	27, 115, 626	41, 207, 651	730, 342	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, 209	46, 376, 508
1919	49, 983, 869	8, 980, 704	58, 964, 573	98, 363, 015	4, 702, 103	103, 063, 118
1920	74, 052, 453	12, 284, 592	86, 337, 045	192, 383, 185	3, 437, 699	195, 820, 883
1921	64, 446, 173	9, 529, 755	73, 975, 928	71, 669, 115	1, 350, 483	73, 019, 595
1922	53, 585, 740	7, 496, 913	61, 082, 653	73, 431, 301	1, 257, 268	74, 688, 569
1923	66, 421, 393	8, 684, 804	75, 106, 197	101, 085, 642	1, 581, 164	102, 666, 806
1924	69, 767, 693	8, 884, 223	78, 651, 916	108, 473, 292	1, 415, 911	109, 889, 203
1925	72, 924, 409	10, 829, 509	83, 753, 918	102, 780, 509	1, 844, 782	104, 625, 291
1926	76, 202, 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, 762, 667	92, 414, 091	106, 312, 833	2, 126, 270	108, 439, 103
1930	81, 726, 404	9, 399, 645	91, 126, 049	98, 923, 737	1, 992, 046	100, 915, 783

[1] Average for years 1903, 1904, and 1905.

Source of Tables 553 and 554: Bureau of Foreign and Domestic Commerce.

No. 555.—IMPORTS AND EXPORTS OF THE PHILIPPINE ISLANDS

Yearly average—year ended—	Merchandise imports			Merchandise exports		
	From United States[1]	From other countries	Total	To United States	To other countries	Total
June 30:	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
1901–1905	4,245,948	27,652,100	31,898,048	10,179,525	18,394,005	28,573,530
1906	4,333,893	21,465,373	25,799,266	11,579,411	20,337,723	31,917,134
1907	5,155,359	23,630,496	28,785,855	12,079,204	21,634,153	33,713,357
1908	5,079,487	25,838,870	30,918,357	10,323,233	22,493,334	32,816,567
1909	4,691,770	23,100,627	27,792,397	10,215,331	20,778,232	30,993,563
1910	10,775,301	26,292,329	37,067,630	13,741,771	21,122,398	32,864,169
1911	19,483,658	30,350,064	49,833,722	16,716,956	23,061,673	39,778,629
1912	20,604,155	33,945,825	54,549,980	21,517,777	28,802,059	50,319,836
1913	25,387,085	30,940,498	56,327,583	19,848,885	33,834,441	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	23,804,367	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	43,126,393	28,589,982	71,715,375
1918	49,799,229	33,964,061	83,763,290	77,010,233	39,004,378	116,514,611
Dec. 31:						
1918 (6 months)	31,949,240	21,671,502	53,620,742	50,920,499	24,518,860	75,439,359
1919	75,491,415	43,147,637	118,639,052	56,453,173	56,664,660	113,117,833
1920	92,289,778	57,148,505	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	47,738,326	32,459,319	80,197,645	64,111,601	31,471,697	95,583,298
1923	50,352,535	37,447,212	87,799,747	85,047,023	35,705,967	120,752,990
1924	60,399,380	47,611,515	108,010,895	97,313,903	38,030,760	135,344,663
1925	69,297,583	50,435,251	119,732,834	109,044,942	39,332,263	148,377,205
1926	71,575,618	47,723,374	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	155,574,085
1928	83,858,068	50,798,830	134,656,898	115,585,876	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	44,909,926	123,092,954	105,342,061	27,826,067	133,167,128

[1] 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, 1905, 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. 556.—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:	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
1916	100,507	17,787	118,294	62,062	.....	62,062
1917	93,626	16,688	110,314	198,496	.....	198,499
1918	94,334	51,565	145,899	118,520	.....	118,520
Dec. 31:						
1918 (6 months)	66,409	46,033	112,442	136,071	.....	136,071
1919	95,329	87,630	182,959	90,421	.....	90,421
1920	126,185	99,110	225,295	98,213	.....	98,213
1921	127,654	94,833	222,487	117,446	.....	117,446
1922	96,317	100,586	196,586	98,216	.....	98,216
1923	97,396	101,464	198,860	95,164	.....	95,164
1924	91,309	103,053	194,362	102,895	47,385	150,280
1925	92,514	99,898	192,412	26,712	123,621	150,333
1926	231,052	87,088	318,140	78,033	(1)	(1)
1927	120,877	82,491	203,368	40,852	(1)	(1)
1928	106,260	98,490	204,750	179,068	(1)	(1)
1929	113,287	88,684	201,971	166,756	(1)	(1)
1930	142,393	63,667	206,060	140,422	(1)	(1)

[1] Not available.

Source: Returns to the Navy Department.

No. 557.—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 [1]	From other countries	Total	To United States	To other countries	Total
	Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
1910	749,174	----------	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	890,906	----------	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	----------	260,046
1917	1,438,904	----------	(2)	1,259,607	----------	(2)
1918	1,640,103	252,326	1,892,429	1,137,501	111,845	1,249,346
1919	1,804,117	472,395	2,276,512	1,593,120	326,405	1,919,525
1920	3,993,478	862,619	4,856,097	4,540,386	208,933	4,749,319
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	1,668,495	360,223	2,028,718	394,085	97,471	461,556
1925	1,915,277	(2)	(2)	1,020,748	(2)	(2)
1926	1,799,444	(2)	(2)	810,410	(2)	(2)
1927	2,053,340	(2)	(2)	968,463	(2)	(2)
1928	2,277,030	(2)	(2)	1,195,314	(2)	(2)
1929	2,298,269	(2)	(2)	603,323	(2)	(2)
1930	1,672,903	(2)	(2)	768,342	(2)	(2)

[1] United States customs area.
[2] 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. 558.—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
June 30:	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
1916	177,163	79,785	256,948	33,306	29,007	62,313
1917	114,301	172,351	286,652	46,972	33,363	80,435
1918	221,241	136,906	358,147	68,742	63,016	131,758
Dec. 31:						
1918 (6 months)	108,490	71,543	180,003	2,901	36,059	38,860
1919	308,485	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	16,566	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	380,506	252,216	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

Source: Returns to the Navy Department.

No. 559.—SHIPMENTS OF PRINCIPAL PRODUCTS TO THE UNITED STATES FROM ALASKA, HAWAII, PORTO RICO, AND THE PHILIPPINE ISLANDS

NOTE.—Totals include items not shown separately. For gold shipments from Alaska see Table 552

Territory and product	Quantity			Value (thousands of dollars)			
	1928	1929	1930	1927	1928	1929	1930
ALASKA							
Animals, number	880	3,333	1,774	74	52	157	146
Reindeer meat, do	1,318	1,884	1,566	120	123	110	106
Fish, 1,000 lbs	333,058	291,978	274,025	34,165	51,315	44,299	34,891
Halibut, fresh and frozen, do	13,195	14,050	11,580	2,283	1,686	1,909	1,402
Salmon, fresh and frozen, do	5,959	6,085	6,360	675	733	818	757
Canned salmon, do	286,982	253,167	239,208	27,223	45,549	38,568	30,084
Cured or preserved fish, do	25,194	16,714	15,478	3,531	2,934	2,487	2,207
Shellfish, do	1,004	1,346	1,409	308	360	467	441
Other fish products:							
Meal, tons[1]	9,051	11,909	11,208	414	664	829	676
Oil, 1,000 galls	2,569	3,407	3,608	856	1,073	1,380	979
Furs and fur skins, number	342,482	422,495	464,110	4,206	3,890	5,237	3,147
Whale oil, 1,000 galls	726	948	982	219	254	8,698	409
Stone, *including marble*, tons[1]	33	143	209,847	120	123	110	106
Wood, timber, and lumber, M ft	1,838	2,405	5,120	221	68	140	178
Copper (ore, matte, regulus), 1,000 lbs	45,350	43,899	37,775	183	133	178	140
Lead (ore, matte, regulus), do	2,106	2,592	2,390	88	154	141	158
Total Alaskan products				49,269	65,505	61,764	46,467
Articles produced in U. S. returned				1,821	1,960	1,685	1,510
Total foreign merchandise				258	132	219	1,020
Total, all merchandise				51,349	67,587	63,668	48,997
HAWAII							
Coffee, 1,000 lbs	3,699	5,300	5,997	1,308	983	1,323	1,003
Fruits				33,842	39,589	38,694	37,846
Bananas, bunches	183,508	199,905	119,603	217	185	201	118
Pineapples (canned), 1,000 lbs	495,686	439,367	423,170	33,502	39,209	38,431	37,728
Hides and skins, do	1,458	1,531	1,474	170	238	164	140
Honey, do	1,680	1,795	868	65	95	100	44
Molasses, 1,000 galls	21,486	28,370	30,059	570	901	1,016	1,330
Sugar:							
Unrefined, 1,000 lbs	1,726,481	1,745,047	1,697,389	68,143	70,177	60,874	53,619
Refined, do	31,895	19,809	34,185	1,685	1,859	1,041	1,615
Total Hawaiian products				106,370	114,155	103,797	96,519
Articles produced in U. S. returned				2,832	2,786	2,475	2,349
Total foreign merchandise				35	15	42	55
Total, all merchandise				109,238	116,956	106,313	98,924
PORTO RICO							
Cotton:							
Unmanufactured, pounds	458,990	366,461	543,978	282	267	133	235
Handkerchiefs, 1,000 doz	702	1,245	855	1,237	1,214	1,206	690
Wearing apparel, do		1,580	1,515	7,248	8,335	13,087	11,045
Fruits				6,817	4,637	3,861	6,724
Grapefruit, fresh, boxes	451,868	373,365	780,254	2,687	1,222	1,418	2,847
Oranges, fresh, do	384,618	62,475	226,553	903	792	175	644
Pineapples, fresh, crates	499,097	547,702	501,476	1,925	1,504	1,807	1,761
Grapefruit, canned, etc, 1,000 lbs	10,129	1,793	13,223	1,168	944	160	1,103
Pineapples, canned, etc, do	2,281	2,379	4,826	117	153	263	369
Coconuts, thousands	19,430	3,440	7,081	652	547	124	242
Hides and skins, 1,000 lbs	824	1,117	1,150	137	186	160	65
Honey, do	1,205	666	1,129	88	84	45	60
Manganese ore, tons[1]	1,523	2,316	2,536	42	57	84	85
Alcohol, denatured, galls	764,315	1,050,488	948,092	311	268	431	378
Sugar and molasses:							
Sugar, 1,000 lbs	1,348,894	1,014,783	1,618,464	55,337	58,574	36,494	57,391
Molasses, 1,000 galls	23,700	15,854	22,480	767	878	838	1,789
Tobacco:							
Leaf—							
Unstemmed, 1,000 lbs	1,639	2,496	396	2,953	443	1,046	233
Stemmed, do	15,936	19,807	18,797	11,554	10,253	11,393	11,319
Stems, scraps, etc, do	8,191	8,154	5,755	1,191	1,630	1,618	1,200
Cigars and cheroots, thousands	153,590	144,967	157,877	3,936	3,824	3,219	3,944
Cigarettes, do	5,368	4,730	17,767	52	44	40	95
Total Porto Rican products				95,677	95,035	76,002	98,581
Articles produced in U. S. returned				1,162	2,167	2,049	1,086
Total foreign merchandise				64	67	75	213
Total, all merchandise				96,902	97,269	78,127	99,880

[1] Of 2,240 pounds.

No. 559.—Shipments of Principal Products to the United States from Alaska, Hawaii, Porto Rico, and the Philippine Islands—Continued

Territory and product	Quantity			Value (thousands of dollars)			
	1928	1929	1930	1927	1928	1929	1930
PHILIPPINE ISLANDS							
Oil cake and meal (coconut)---1,000 lbs	22,743	21,960	17,588	432	355	377	231
Coconut meat prepared---do	46,696	43,123	45,343	3,041	4,005	3,395	3,277
Copra---do	371,889	310,194	336,555	15,113	16,548	13,154	12,493
Coconut oil---do	290,637	411,986	317,919	22,900	23,061	29,552	19,901
Rubber, crude---do	373	579	778	105	124	123	121
Leaf tobacco---do	3,727	3,963	4,680	253	521	443	528
Cigars and cheroots---do	2,574	2,073	1,901	4,142	4,100	3,341	2,997
Cotton wearing apparel---do				3,521	3,639	4,605	3,106
Cordage---do	5,903	6,937	7,514	838	781	951	961
Manila fiber---tons[1]	46,525	71,327	61,833	13,075	9,423	13,330	8,512
Boards, planks, and deals---M ft	283			5	11		
Sawed cabinet woods---do	33,881	34,521	28,068	1,634	1,358	1,582	1,367
Chair cane or reed---M lbs							
Articles produced in U. S. returned				284	356	366	499
Total, all merchandise				115,980	115,609	125,792	109,390

[1] Of 2,240 pounds.

Source: Bureau of Foreign and Domestic Commerce.

No. 560.—SHIPMENTS OF MERCHANDISE FROM THE UNITED STATES TO ALASKA, HAWAII, PORTO RICO, AND THE PHILIPPINE ISLANDS: Values

Note.—Values in thousands of dollars. Totals include items not shown separately

Commodity group or item	Alaska		Hawaii		Porto Rico		Philippine Islands	
	1929	1930	1929	1930	1929	1930	1929	1930
Total merchandise	33,221	31,303	82,951	81,727	75,980	74,219	85,414	64,815
Animals and Animal Products	4,585	4,425	7,222	7,157	11,514	10,193	7,593	6,439
Meat products	1,946	1,945	2,171	2,170	3,636	3,421	516	381
Eggs	580	573	587	594	68	38	3	3
Milk, condensed, evaporated, etc	456	444	688	780	567	446	3,200	3,053
Butter and cheese	837	748	933	863	474	484	131	122
Fish	113	115	915	1,061	486	438	2,026	1,420
Animal fats and oils, edible	100	98	177	151	2,936	2,327	34	31
Boots and shoes	185	184	957	895	2,024	2,578	308	230
Other leather manufactures	59	48	284	235	209	204	185	165
Vegetable Food Products and Beverages	3,935	4,182	12,189	12,716	17,770	17,595	7,889	6,158
Grains and preparations	795	756	5,000	5,293	10,908	11,460	4,825	3,730
Rice	81	74	3,217	3,564	6,964	8,102	3	4
Wheat flour	356	315	914	913	2,572	2,228	4,523	3,452
Biscuits and crackers	166	174	124	129	479	423	177	152
Vegetables	742	832	1,698	1,746	3,356	2,465	618	503
Potatoes	146	184	322	366	659	487	29	12
Canned vegetables	323	375	412	424	175	165	273	230
Fruits	763	854	1,412	1,434	490	307	1,016	843
Oranges	105	125	481	494			261	263
Apples	86	95	195	215	69	48	257	159
Canned and preserved fruits	315	357	331	332	261	148	192	151
Coffee	391	357	206	146	883	1,670	374	293
Sugar	298	361	200	265	14	12	90	69
Confectionery	285	330	546	553	572	304	224	185
Beverages and fruit juices	151	172	244	270	325	278	61	52
Vegetable Products, Inedible, Except Fibers and Wood	1,281	1,352	4,918	4,983	4,668	5,913	6,872	5,662
Rubber manufactures	424	344	1,071	1,884	1,364	1,274	3,326	2,307
Boots and shoes [1]	216	175	104	114	484	397	1,171	246
Automobile tires:								
Casings	40	39	1,261	1,238	570	538	1,395	1,433
Inner tubes	8	7	162	143	62	53	185	163
Belting, hose, and packing	132	80	159	127	70	59	208	187
Tobacco:								
Leaf					872	2,133	391	169
Cigars and cheroots	155	202	204	189	14	7		
Cigarettes	393	484	1,756	1,934	1,968	2,190	2,292	2,057
Smoking	159	163	607	557	10	3	18	22

[1] Includes canvas shoes with rubber soles.

No. 560.—Shipments of Merchandise from the United States to Alaska, Hawaii, Porto Rico, and the Philippine Islands: Values—Continued

[Values in thousands of dollars]

Commodity group or item	Alaska		Hawaii		Porto Rico		Philippine Islands	
	1929	1930	1929	1930	1929	1930	1929	1930
Textiles	2,901	2,691	6,992	6,401	14,419	15,306	14,617	8,944
Sewing, crochet, and embroidery cotton	4	9	112	107	366	337	677	709
Cotton cloth	115	89	1,349	1,307	6,664	7,425	10,124	5,445
Cotton wearing apparel	469	486	1,008	1,058	2,646	2,485	386	264
Bags of jute	98	65	206	240	281	325	37	43
Cordage and twine (cotton, jute, and others)	796	485	156	135	207	246	191	140
Wool wearing apparel	390	310	462	453	465	322	45	42
Other wool manufactures	112	81	432	377	232	141	95	47
Silk manufactures	128	118	923	752	628	541	680	494
Wood and Paper	1,988	1,654	6,988	6,130	4,453	3,595	2,320	1,920
Logs and timber	220	160	159	188	163	129	28	23
Boards, planks, and deals	473	413	1,940	1,541	1,847	907	128	56
Box shooks	508	131	594	338	188	395	33	70
Cooperage shooks	100	58	2	1	46	27	1	------
Wood furniture	100	113	756	517	563	525	40	23
Paper and manufactures	333	480	2,625	2,866	1,321	1,287	1,787	1,529
Nonmetallic Minerals	2,633	2,621	10,785	10,762	3,947	3,783	6,433	6,680
Coal	333	342	43	16	233	148	------	------
Petroleum and products	1,856	1,690	8,299	8,655	2,725	2,534	7,557	5,933
Gasoline	959	887	4,416	4,278	1,078	1,232	2,926	2,297
Illuminating oil	110	79	761	741	452	436	2,540	1,776
Gas and fuel oil	429	346	2,023	2,542	679	664	830	479
Lubricating oil	318	339	787	782	355	351	946	956
Metals and manufactures, except Machinery and Vehicles	8,801	7,927	11,026	11,855	5,015	4,052	11,407	8,940
Iron and steel	8,433	7,625	9,231	10,240	4,354	3,584	9,965	7,538
Steel bars	105	70	256	394	225	177	277	160
Iron and steel plates	16	19	69	50	30	22	103	76
Galvanized sheets	99	98	219	235	666	400	2,639	2,164
Tin plates	1,034	620	3,872	5,325	16	14	917	833
Structural forms	60	88	394	215	345	81	440	326
Cast-iron pipe and fittings	50	17	363	267	144	148	355	338
Wire	1,027	330	405	285	230	217	764	321
Wire nails	66	81	65	57	103	73	170	80
Cutlery	14	13	127	148	134	114	131	117
Tin cans, finished or unfinished	4,154	4,311	32	33	142	285	(2)	85
Enameled iron and steel	65	58	206	121	142	159	72	53
Stoves, ranges, furnaces	238	259	285	254	47	48	41	44
Tools	130	115	247	220	171	113	387	262
Copper	69	49	451	501	288	200	590	689
Machinery and Vehicles	4,339	4,049	12,034	10,833	5,365	4,906	15,545	11,628
Engines	613	443	810	408	191	297	1,249	648
Electrical machinery and appliances	687	705	2,254	2,443	918	955	2,045	2,527
Agricultural machinery	135	110	374	449	282	264	430	434
Other machinery	2,087	1,917	2,837	2,830	1,611	1,311	4,209	3,251
Motor trucks and busses	109	1,106	666	511	507	422	2,274	1,321
Passenger automobiles	299	317	3,760	2,854	1,289	1,110	2,381	2,020
Automobile parts and accessories, except tires	111	113	830	720	383	276	1,051	834
Chemicals and Related Products	1,316	1,170	5,902	6,123	6,078	6,399	6,002	4,500
Chemicals	549	435	1,317	1,316	1,412	1,460	1,575	1,554
Medicinal and pharmaceutical preparations	299	210	550	537	880	923	783	754
Paints, pigments, and varnishes	214	200	984	910	549	459	742	700
Explosives, fuses, etc	406	383	126	97	39	21	215	156
Fertilizers	3	2	2,284	2,522	2,450	2,887	2,021	799
Soap	115	126	749	773	1,311	1,265	988	831
Miscellaneous	1,442	1,233	4,897	4,788	2,753	2,477	4,737	3,935
Motion-picture films	121	88	65	164	39	74	81	62
Musical instruments	133	94	820	501	346	212	678	694
Toys	63	40	205	159	198	120	95	65
Athletic and sporting goods	45	31	216	206	29	22	149	140
Books, pictures, and other printed matter	306	317	1,201	1,246	382	368	1,254	1,100
Household and personal effects	150	168	338	328	224	212	124	109

[2] Less than $500.

Source: Bureau of Foreign and Domestic Commerce.

24.—IRRIGATION AND DRAINAGE

GENERAL NOTE.—Data in this section cover irrigation and drainage enterprises in 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 (for area so served, see Table 566). Tables 569 to 574 relate to irrigation enterprises of all sorts as reported to the Bureau of the Census.

No. 561.—GOVERNMENT IRRIGATION PROJECTS: CONSOLIDATED FINANCIAL STATEMENT, JUNE 30, 1930

DEBIT SIDE

Construction account, primary projects:			
Cost of irrigation works—			
Original construction	$181,423,888		
Supplemental construction	11,717,228		
Value of works taken over	2,056,623		
Total construction cost		$195,197,739	
Operation and maintenance prior to public notice (net)	2,721,134		
Operation and maintenance deficits and arrearages and penalties on water-right charges funded with construction	5,840,434		
		8,561,569	
		203,759,308	
Less—			
Abandoned works and nonreimbursable cost, etc., (net)	15,578,856		
Construction revenues	5,389,275		
Contributed funds	1,428,906		
Nonreinbursable appropriation	1,000,000		
		23,397,037	
Balance repayable			$180,362,271
Yuma auxiliary project: Cost of works less construction revenues			885,025
Secondary projects and general investigations: Cost of surveys and investigations less contributed funds			2,519,106
General office expense undistributed			768,357
Plant and equipment			829,660
Materials and supplies			669,689
Accounts receivable			155,758,913
Unadjusted debits; Disbursement vouchers in transit			17,443
Prepaid civil service retirement fund			2,340
Cash on hand and in special deposit and in transit			5,411,279
Total debits			347,224,082

CREDIT SIDE

Security for repayment of cost of irrigation works:			
Contracted construction repayments		$190,735,560	
Yuma auxiliary contracted repayments		607,571	
			$191,343,131
Current accounts payable			1,495,052
Deferred and contingent obligations			670,957
Reserves and undistributed profits			7,103,709
Unadjusted credits: Collection vouchers in transit			227
Undistributed clearing cost accounts			11,549
Operation and maintenance results, surplus			342,888
Government aid for reclamation of arid lands:			
Reclamation fund		148,736,142	
Special funds—			
Increase of compensation		2,797,960	
Judgments, Court of Claims		600,008	
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		266,353	
Arid, semiarid, swamp, and cut-over timberlands		45,000	
Columbia Basin irrigation project		25,000	
Colorado River levee system		300,000	
Advances to reclamation fund (bond loan) less amount repaid		10,000,000	
Total		164,229,454	
Less nonreimbursable appropriation, Rio Grande Dam		1,000,000	
		163,229,454	
Less impairment of funds—			
Abandoned construction works	$1,355,025		
Nonreimbursable cost	566,353		
Operation and maintenance cost, uncollectible	453,272		
Charge-offs, act of May 25, 1926	14,598,725		
		16,973,885	
			146,255,569
Total credits			347,224,082

Source: Bureau of Reclamation, Department of the Interior.

No. 562.—GOVERNMENT IRRIGATION PROJECTS: CONSTRUCTION COST, OTHER REIMBURSABLE COST, AND AMOUNT TO BE REPAID BY WATER USERS, TOTALS TO JUNE 30, 1930

State and project	Construction cost	Operation and maintenance cost before public notice (net)	Operation and maintenance deficits and arrearages	Deductions		Total to be repaid by water users
				Construction revenues and contributed funds	Abandoned works, non-reimbursable cost, etc.	
Totals	*Dollars* 195,197,739	*Dollars* 2,721,134	*Dollars* 5,340,435	*Dollars* [1]7,818,131	*Dollars* 15,578,856	*Dollars* 180,362,271
Arizona: Salt River	12,744,223	115,994		2,312,097	[2]382,097	10,166,022
Arizona-California: Yuma	9,352,818	374,028	2,922	217,158		9,512,610
California: Orland	2,394,956	[3]*12,593*		26,115		2,356,448
Colorado:						
Grand Valley	4,781,008	138,621		54,719	[4]812,375	4,052,535
Uncompahgre	6,438,177	302,904	8,239	24,224	[4]1,258,323	5,466,773
Idaho:						
Boise	14,983,346	422,283	875,739	74,583	[4]82,394	16,124,392
King Hill	1,905,319		110,123	28,187	[4]497,285	1,489,969
Minidoka [5]	14,696,675	321,882	467,841	1,751,387	[4]2,288	13,732,723
Minidoka Gooding	1,890,818			1,000		1,889,818
Kansas: Garden City	342,964	52,868		61,357	[6]334,475	
Montana:						
Huntley	1,562,303	[3]*1,000*	378,926	18,372	[4]62,050	1,859,807
Milk River	6,778,917	437,730	100,394	86,660	[4]1,911,189	5,319,201
Sun River	6,951,882	133,461	80,297	45,959	[4]89,320	7,030,362
Montana-North Dakota: Lower Yellowstone	3,597,134	[3]*2,530*	901,208	52,432	[4]382,254	4,061,076
Nebraska-Wyoming: North Platte	19,158,737	700,116	1,500,181	261,773	[4]30,322	21,066,940
Nevada: Newlands	7,956,917	[3]*2,155*	20,405	52,347	[4]4,437,820	3,485,000
New Mexico:						
Carlsbad	1,464,523	[3]*17,752*	1,934	27,159		1,421,545
Hondo	339,492	32,952		656	[6]371,788	
New Mexico-Texas: Rio Grande	14,895,274	[3]*297,353*		[1]1,386,337	[4]296,401	12,914,179
North Dakota:						
Buford-Trenton	223,423	[3]*52*		1,968	[6]221,424	
Williston	517,630	[3]*165*		90,126	[6]427,339	
Oregon:						
Baker	68,335			5,000		63,335
Umatilla	5,137,937		230,205	76,386	[4]888,341	4,403,415
Vale	2,634,472	2,618		5,000		2,632,089
Oregon-California: Klamath	5,751,764	75,772	3,712	360,921	[4]7,500	5,462,828
Oregon-Idaho: Owyhee	2,527,823			4,355		2,523,469
South Dakota: Belle Fourche	4,190,876	[3]*1,989*	669,943	17,842	[4]379,032	4,461,957
Utah:						
Salt Lake Basin	2,363,024			45,335		2,317,689
Strawberry Valley	3,507,423	10,744	71,455	258,379		3,331,243
Washington:						
Okanogan	1,451,729	[3]*47,767*	25,194	6,631	[4]993,327	424,199
Yakima	14,498,988	[3]*63,958*	83,038	304,965	[4]4,215	14,148,888
Yakima-Kittitas	6,572,586	[3]*6,453*		3,226		6,562,908
Wyoming:						
Riverton	3,802,624	26,635		14,967		3,814,292
Shoshone	9,713,622	26,616	308,679	80,061	[4]1,702,299	8,266,557

[1] Includes nonreimbursable appropriation, $1,000,000.
[2] Nonreimbursable cost.
[3] Contra.
[4] Authorized charge-offs.
[5] Includes American Falls.
[6] Abandoned works.

Source: Bureau of Reclamation, Department of the Interior.

No. 563—GOVERNMENT IRRIGATION PROJECTS: OPERATION AND MAINTENANCE COST, AND RETURNS DURING 1929 (CALENDAR YEAR)

State and project	Operation and maintenance cost	Operation and maintenance returns				Other credits [1]	Results: Excess (+ or) deficit (−)
		Charges contracted	Penalties	Discounts (contra)	Miscellaneous revenues		
Total	*Dollars* 1,695,074	*Dollars* 1,138,599	*Dollars* 10,121	*Dollars* 12,995	*Dollars* 72,323	*Dollars* 195,670	*Dollars* −291,356
Arizona: Yuma auxiliary	24,132	31,281			1,548		+8,697
Arizona-California: Yuma	305,909	278,592	5,235	6,467	15,834		−12,714
California: Orland	35,475	34,998	267	1,225	185		−1,249
Colorado:							
Grand Valley	50,584	62,500			584		+12,500
Uncompahgre	129,245	259,156	[2]*2,894*		2,166		+129,184

[1] Amounts to be repaid with construction and charge-offs under act of May 25, 1926. [2] Contra.

No. 563.—GOVERNMENT IRRIGATION PROJECTS: OPERATION AND MAINTENANCE COST AND RETURNS DURING 1929 (CALENDAR YEAR)—Continued

State and project	Operation and maintenance cost	Operation and maintenance returns: Charges contracted	Penalties	Discounts (contra)	Miscellaneous revenues	Other credits [1]	Results: Excess (+) or deficit (−)
	Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Idaho:							
Boise	33,201	34,948				45	+1,793
Boise (drainage)		[2] *121*					−121
Minidoka	95,237	92,743			2,324	[2] *1,327*	−1,498
Montana:							
Huntley		60			[2] *10*		+50
Milk River	43,221	35,449		275	997	11,701	+4,050
Sun River	13,345	531			12,790	[2] *737*	−755
Montana-North Dakota: Lower Yellowstone	43,710	45,987			428		+2,705
Nebraska-Wyoming: North Platte	39,130	26,114			691	[2] *2,662*	−14,887
New Mexico: Carlsbad	65,871	45,251	920	1,408	1,977		−19,132
New Mexico-Texas: Rio Grande	384,208	530	539				−383,230
Oregon: Umatilla	3,653	[2] *6,720*			[2] *187*	8,606	−1,955
Oregon-California: Klamath	84,976	84,489	51		27,508		+27,073
South Dakota: Belle Fourche	76,438	65,000			2,218		−9,220
Washington:							
Okanogan	237	[2] *187,930*				181,472	−6,695
Yakima	254,770	262,306	6,041	3,620	7,241	[2] *549*	+16,849
Wyoming: Shoshone	11,643	[2] *26,567*	[2] *38*		[2] *3,976*	[1] *1,179*	−43,403

[1] Includes nonreinburseable appropriation, $1,000,000 [2] Contra.

No. 564.—GOVERNMENT IRRIGATION PROJECTS: OPERATION AND MAINTENANCE COST, RETURNS, AND NET RESULT, TOTALS TO DECEMBER 31, 1929

State and project	Operation and maintenance cost	Operation and maintenance returns: Charges contracted	Penalties	Discounts (contra)	Miscellaneous revenues	Other credits [1]	Results: Excess (+) or deficit (−)
	Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Total	**31,557,654**	**24,548,021**	**489,095**	**349,489**	**1,617,630**	**5,745,082**	**+472,666**
Arizona: Yuma auxiliary	276,808	330,299	533	1,107	5,853		+58,775
Arizona-California: Yuma	4,052,076	4,141,930	94,856	52,929	174,784	2,922	+309,488
California: Orland	419,974	448,561	1,514	19,440	2,880		+13,541
Colorado:							
Grand Valley	99,387	110,500			1,387		+12,500
Uncompahgre	939,397	1,069,020	11,236	11,603	18,412		+147,608
Idaho:							
Boise	2,262,273	1,602,481	31,158	46,526	111,045	601,070	+36,955
Boise (drainage)	506,005	473,535	38,612	6,123			+18
King Hill	156,734	60,711		1,519	343	97,199	
Minidoka	2,103,519	1,731,392	29,463	22,342	101,572	266,733	+3,300
Montana:							
Huntley	1,014,944	557,805	15,712	10,450	11,587	[1] 440,339	+50
Milk River	193,724	112,959		1,365	4,590	100,394	+22,853
Sun River	292,686	158,154	6,360	3,468	28,819	[1] 102,670	−152
Montana-North Dakota: Lower Yellowstone	1,220,278	260,065	3	5	130,259	861,460	+31,504
Nebraska-Wyoming: North Platte	2,740,057	1,798,294	27,304	35,812	30,067	1,041,170	+120,967
Nevada: Newlands	1,453,191	1,188,796	28,661	24,970	26,013	[1] 227,168	−7,523
New Mexico: Carlsbad	814,982	758,774	28,284	15,425	25,212	1,934	−16,202
New Mexico-Texas: Rio Grande	2,706,806	2,245,776	8,528	4,486	49,058		−407,990
North Dakota:							
Buford-Trenton	74,781	2,317			10	[1] 72,454	
Williston	904,662	34,043	46		489,755	[1] 380,819	
Oregon: Umatilla	687,648	365,449	7,698	3,314	39,819	[1] 288,216	+10,219
Oregon-California: Klamath	1,108,591	1,072,172	3,595	4,942	36,275	3,712	+52,221
South Dakota: Belle Fourche	1,455,115	817,308	29,196	9,241	23,480	[1] 689,801	+95,430
Utah: Strawberry Valley	437,856	376,881	10,196	11,859	20,400	31,447	−10,790
Washington:							
Okanogan	649,647	371,442	1,451	397	70,485	[1] 206,666	
Yakima	4,076,086	3,920,664	81,070	51,113	123,905	74,699	+73,139
Wyoming: Shoshone	910,368	538,692	13,615	11,053	41,619	[1] 254,188	−73,307

[1] Includes deficits uncollectible: Huntley, $81,354; Sun River, $34,148; Newlands, $211,202; Buford-Trenton, $72,454; Williston, $380,819; Umatilla, $91,083; Belle Fourche, $119,606; Okanogan, $181,472; Shoshone, $38,036; total, $1,210,264. Other data are amounts to be repaid with construction.

Source of Table 563 and 564, Bureau of Reclamation, Department of the Interior.

No. 565.—GOVERNMENT IRRIGATION PROJECTS: VOUCHER TRANSACTIONS, ALL FUNDS, AND NET INVESTMENT

State and project	Disbursements		Collections [1]		Net investment	
	During fiscal year 1930	Total to June 30, 1930	During fiscal year 1930	Total to June 30, 1930	During fiscal year 1930	Total to June 30, 1930
	Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Total	10,980,133	251,448,509	[2] 6,042,237	292,673,183	4,937,896	158,875,326
Arizona:						
Salt River		14,671,593	298	9,686,843	[3] *298*	4,984,750
Yuma auxiliary	25,730	996,301	38,965	998,541	[3] *13,235*	[4] *2,240*
Arizona-California: Yuma	280,279	14,967,971	588,693	18,574,530	[3] 308,414	6,393,441
California: Orland	103,800	2,979,332	100,349	1,310,585	3,451	1,668,747
Colorado:						
Grand Valley	61,148	5,600,173	87,105	829,758	[3] *25,957*	4,770,415
Uncompahgre	125,991	9,034,729	238,778	2,853,911	[3] *112,787*	6,180,818
Idaho:						
Boise	380,662	19,321,988	483,544	7,353,342	[3] *102,882*	11,968,646
King Hill	275	2,107,794	370	130,225	[3] *95*	1,977,569
Minidoka [5]	276,355	18,248,596	552,662	12,224,190	[3] *276,307*	6,024,406
Minidoka-Gravity	1,300,175	1,637,863	165,282	266,470	1,134,893	1,371,393
Kansas: Garden City		390,496		58,002		332,494
Montana:						
Huntley	147	2,602,456	33,853	1,203,682	[3] *33,706*	1,398,774
Milk River	56,122	7,805,398	48,328	639,724	7,794	7,165,674
Sun River	404,960	7,638,563	45,859	803,357	359,101	6,835,206
Montana-North Dakota: Lower Yellowstone	168,616	4,825,191	109,094	780,990	59,522	4,044,201
Nebraska-Wyoming: North Platte	85,758	23,333,642	515,119	6,490,991	[3] *429,361*	16,842,651
Nevada: Newlands	1,609	9,679,082	98,652	2,682,825	[3] *97,043*	6,996,257
New Mexico:						
Carlsbad	58,893	2,351,886	116,142	1,733,259	[3] *57,249*	618,627
Hondo		406,744		34,957		371,787
New Mexico-Texas: Rio Grande	507,143	19,523,474	1,069,973	7,023,368	[3] *562,830*	12,500,106
North Dakota:						
Buford-Trenton		311,175		17,874		293,301
Williston		1,420,674	5,677	591,767	[3] *5,677*	828,907
Oregon:						
Baker		69,155		5,879		63,276
Vale	1,301,364	2,565,583	12,931	21,021	1,288,433	2,544,562
Umatilla	4,631	6,111,467	28,212	1,184,355	[3] *23,581*	4,927,112
Oregon-California: Klamath	340,964	7,128,455	281,380	2,678,024	59,584	4,450,431
Oregon-Idaho: Owyhee	855,410	2,469,556	7,818	14,169	847,592	2,455,387
South Dakota: Belle Fourche	359,661	5,051,476	102,028	1,521,169	257,633	4,130,307
Utah:						
Salt Lake Basin	975,974	2,285,338	14,118	58,477	961,856	2,226,861
Strawberry Valley	2,368	4,335,243	101,183	2,166,204	[3] *98,815*	2,169,039
Washington:						
Okanogan	562	2,143,847	10,426	693,956	[3] *9,864*	1,443,891
Yakima	347,321	19,215,401	855,624	11,105,550	[3] *509,303*	8,109,851
Yakima-Kittitas	1,763,970	6,626,108	33,565	70,619	1,730,405	6,555,489
Wyoming:						
Riverton	466,580	4,318,008	20,416	158,898	446,164	4,169,110
Shoshone	147,748	10,852,053	148,380	2,134,648	[3] *641*	8,717,405
Secondary	238,301	2,652,491	105,980	877,647	132,321	1,774,844
Denver office [6]	68,085	282,604	8,765	194,106	59,320	88,498
Field legal [6]	14,565	25,950	372	8,247	14,193	17,703
Washington office	167,730	1,161,620	5,984	358,584	161,746	803,036
Adjustment surveys, subsec. K		85,674				85,674
Economic investigations	18,299	33,582		9	18,290	33,573
Examination and inspection of projects	1,406	10,430	6,303	12,428	[3] *4,897*	[4] *1,998*
Attendance at meetings	875	1,727			875	1,727
Contingent expenses, Int. Dept	[3] *1,257*	5,853		70	[3] *1,257*	5,783
Indian project [7]		2,997,329		2,997,329		
Civil-service retirement fund [8]		2,340				2,340
Drainage and cut-over		100,544				100,544
General investigations		246,301		26,103		220,198
Arid, semiarid, and swamp cut-over lands	463	35,924			463	35,924
Columbia Basin investigation		11,634				11,634
Colorado River front work and levee system	67,450	167,195			67,450	167,195

[1] Collections creditable to increase of compensation; Rio Grande Dam appropriation and Wind River Indian (Riverton); drainage and cut-over; general investigations, Reclamation Service, 1923–Dec. 31, 1924; arid, semiarid, swamp, and cut-over timberland; Colorado River front work and levee system; and Columbia Basin, are included in the expenditure column as contra.

[2] Includes sales of reclamation townsites. [3] Contra. [4] Net credit.

[5] American Falls and Minidoka combined. [6] Net amounts not transferred to projects.

[7] Expended from reclamation fund and later reimbursed by congressional appropriation.

[8] Net; amounts transferred from reclamation fund, less amounts deducted from pay of employees.

Source: Bureau of Reclamtion, Department of the Interior.

No. 566.—GOVERNMENT IRRIGATION PROJECTS: ACREAGE IRRIGABLE, IRRIGATED, AND CROPPED, AND VALUE OF CROPS, BY PROJECTS, 1929 [1]

NOTE.—See general note, p. 623. "Other lands served by Government works" are those usually furnished with a partial water supply through private canals under Warren Act contracts

State and project	Lands in projects proper				Other lands served by Government works			
	Irrigable acreage [2]	Irrigated acreage	Cropped acreage	Crop value	Irrigable acreage	Irrigated acreage	Cropped acreage	Crop value
				Dollars				*Dollars*
Grand total	1,922,330	1,483,900	1,512,250	88,459,390	1,480,040	1,234,230	1,192,990	72,720,490
Total with irrigation	1,922,330	1,483,900	1,420,070	87,550,670	1,480,040	1,234,230	1,192,990	72,720,490
Arizona: Salt River	245,660	[3] 245,660	214,750	25,423,030	90,280	67,800	67,800	6,475,000
Arizona-California:								
Yuma	64,430	55,695	54,065	4,369,560	230	210	150	35,255
Valley division	47,930	43,440	42,450	3,603,800				
Reservation division	14,215	11,095	10,905	644,360				
Yuma auxiliary	2,285	1,160	710	121,400				
California: Orland	20,770	13,480	12,370	503,490				
Colorado:								
Grand Valley	30,380	15,160	15,435	634,985	18,400	13,800	13,400	1,891,000
Uncompahgre	75,655	60,520	60,380	2,212,710	1,650	1,550	1,545	61,800
Idaho:								
Boise	171,550	164,770	150,180	5,389,330	139,020	131,500	128,400	5,046,500
King Hill	8,000	6,680	6,375	249,560				
Minidoka	120,170	106,070	99,340	4,417,910	793,650	689,070	663,750	32,896,800
Gravity division	71,240	60,675	56,730	2,478,610				
Pumping division	48,930	45,395	42,610	1,939,300				
Montana:								
Huntley	32,540	23,485	23,485	1,037,150				
Milk River	134,285	40,260	38,330	975,160				
Sun River	55,875	20,360	[4] 27,700	426,920				
Fort Shaw division	13,900	7,190	7,340	153,250				
Greenfields and Big Coulee division	41,975	13,170	20,360	273,670				
Montana-North Dakota:								
Lower Yellowstone	[5] 47,450	23,945	23,945	779,960				
Nebraska-Wyoming:								
North Platte	238,470	188,450	188,450	7,289,140	127,590	103,440	102,290	4,831,900
Pathfinder irrigation district	111,625	87,995	87,995	3,242,370				
Gering and Fort Laramie division	55,075	49,240	49,240	2,364,940				
Goshen irrigation district	55,595	39,830	39,830	1,432,110				
Northport division	16,175	11,385	11,385	249,720				
Nevada: Newlands	87,500	54,040	51,380	2,057,280				
New Mexico: Carlsbad	25,055	24,335	24,220	1,847,500				
New Mexico-Texas: Rio Grande	155,000	144,200	139,775	10,664,870	71,000	60,000	49,060	1,878,430
Oregon: Umatilla	18,730	11,340	11,020	286,400	605	540	435	20,825
Oregon-California:								
Klamath	55,390	45,870	43,765	1,790,670	63,620	34,700	34,540	1,060,840
Main division	41,530	34,760	33,975	1,447,160				
Tule Lake division	13,860	11,120	9,790	343,510				
South Dakota: Belle Fourche	[6] 61,620	36,195	[4] 47,955	1,208,575				
Utah: Strawberry Valley	41,030	40,000	38,495	1,305,440	7,275	7,230	7,230	207,110
Washington:								
Okanogan	5,850	4,255	3,835	979,220				
Yakima	133,280	114,665	101,675	12,431,920	166,720	124,390	124,390	18,315,030
Sunnyside division	102,480	87,565	79,075	7,947,570				
Tieton division	30,800	27,100	22,600	4,484,350				
Wyoming:								
Shoshone	73,640	43,390	43,270	1,270,970				
Garland division	41,650	33,130	33,130	1,092,330				
Frannie division	20,060	8,070	8,030	160,340				
Willwood division	11,930	2,190	2,110	18,300				
Riverton	20,000	1,075	875	10,120				
Total cropped without irrigation			92,180	899,720				
Milk River			14,140	72,180				
Sun River			6,310	59,120				
Lower Yellowstone			11,970	109,980				
Klamath			59,760	658,440				

[1] Calendar year data, except on Salt River project, where data are for crop year beginning October, 1928.
[2] Area for which bureau was prepared to supply water.
[3] Includes 24,950 acres reported vacant, 2,414 of "home tracts" and 3,548 on which no crops were reported.
[4] Includes dry farmed tracts irrespective of the figures given below under "cropped without irrigation."
[5] Irrigable area of productive land; area to which bureau was prepared to supply water was 58,248 acres.
[6] Assessed area. Irrigable area, including land temporarily excluded from paying class, was 74,500 acres.

Source: Bureau of Reclamation, Department of Interior.

No. 567.—GOVERNMENT IRRIGATION PROJECTS: ACREAGE, PRODUCTIONS, 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 acreage	Irrigated acreage	Cropped acreage [1]	Crop value [1]	Irrigated acreage	Cropped acreage	Crop value	Irrigated acreage	Cropped acreage	Crop value
1916	1,405	923	858	32,816				923	858	32,816
1917	1,502	1,058	967	56,462				1,058	967	56,462
1918	1,602	1,142	1,051	66,821	501	482	35,000	1,643	1,533	101,821
1919	1,636	1,187	1,113	88,974	916	881	64,000	2,104	1,994	152,974
1920	1,662	1,224	1,154	66,172	982	951	47,506	2,205	2,105	113,678
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	65,046	1,051	993	37,558	2,265	2,173	102,604
1924	1,806	1,291	1,217	66,489	931	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	131,265
1926	1,845	1,411	1,362	60,665	1,097	950	49,750	2,508	2,311	110,415
1927	1,957	1,379	1,432	72,047	1,148	1,072	61,160	2,527	2,504	133,207
1928	1,883	1,442	1,489	81,078	1,235	1,102	62,495	2,677	2,681	143,573
1929	1,922	1,484	1,512	88,450	1,234	1,193	72,720	2,718	2,705	161,180
1930	1,993	1,505	1,551	65,007	1,218	1,186	53,207	2,723	2,737	118,214

GOVERNMENT PROJECTS PROPER—INDIVIDUAL CROPS [1]

Crop	Acreage cropped		Production		Crop value		Yield per acre	
	1929	1930	1929	1930	1929	1930	1929	1930
			Bushels	*Bushels*	*Dollars*	*Dollars*	*Bushels*	*Bushels*
Total, all crops	1,512,250	1,550,967			88,459,390	65,007,270		
Cereals	319,290	323,650	9,654,010	9,879,190	7,236,744	5,182,487		
Barley	78,920	83,285	2,713,374	2,883,120	1,500,882	1,267,431	34.4	34.6
Corn	46,012	54,653	1,254,496	1,035,595	1,029,613	1,142,677	27.3	29.9
Oats	45,417	45,401	1,709,249	1,654,161	699,902	457,871	37.6	36.4
Rye	4,781	5,110	66,855	92,440	79,721	50,268	14.0	18.1
Wheat	144,160	135,201	3,910,036	3,613,865	3,836,566	2,274,240	27.1	26.7
Other seeds	43,692	43,576	232,817	194,131	1,345,544	1,466,010		
Alfalfa seed	20,601	22,456	136,328	93,141	774,103	870,562	6.6	4.2
Clover seed	10,702	14,841	70,502	59,207	502,194	537,084	3.6	4.0
Flaxseed	3,389	6,279	25,987	41,783	69,247	58,364	7.7	6.7
			Tons	*Tons*			*Tons*	*Tons*
Hay and forage	384,516	399,205	1,455,792	1,479,733	21,772,631	16,715,605		
Alfalfa hay	467,176	452,526	1,303,946	1,312,415	17,094,227	11,940,274	2.8	2.9
Clover hay	25,089	15,996	22,564	23,045	191,088	150,256	.9	1.4
Other hay	34,860	57,704	41,067	69,024	434,051	502,088	1.2	1.2
Corn fodder	4,852	9,792	13,714	61,156	110,143	383,629	2.8	6.3
Other forage	28,280	19,733	74,501	[2] 14,133	643,877	204,917	2.6	.7
Pasture	324,259	343,454			3,298,345	3,444,441		
			Bushels	*Bushels*			*Bushels*	*Bushels*
Vegetables	126,598	131,312	9,854,312	14,382,293	19,925,976	11,957,525		
Beans	21,050	28,932	390,067	778,071	1,221,416	1,290,178	18.5	26.9
Onions	2,855	2,762	1,023,360	954,430	286,337	918,788	357.2	345.5
Potatoes, white	46,964	55,752	8,302,196	12,550,237	7,733,673	4,822,241	176.8	225.6
Potatoes, sweet	1,027	884	138,689	93,555	230,161	128,691	135.0	105.7
Truck	54,692	42,982			10,454,390	4,797,627		
			1,000 lbs.	*1,000 lbs.*			*Pounds*	*Pounds*
Fruits and nuts	53,641	67,473	413,983	717,786	12,108,685	10,048,950		
Apples	24,269	24,174	238,010	332,916	6,285,626	3,950,158	9,832	13,800
Peaches	3,512	3,518	22,354	16,529	576,602	330,250	6,365	4,700
Pears	6,095	7,062	40,343	68,314	1,723,441	703,150	8,095	9,680
Prunes	2,686	2,469	18,668	18,590	192,450	184,305	6,950	7,530
Citrus fruits	8,323	4,949	51,374	63,768	1,705,245	1,561,015	6,172	12,870
Small fruits	3,055	3,388	17,820	24,268	821,861	784,859	5,834	7,160
Miscellaneous	5,701	21,913	15,813	193,400	743,460	2,526,213	2,774	8,820
Miscellaneous	409,496	319,042			26,069,810	19,636,693		
Cotton	271,282	192,120	86,866	87,905	18,705,391	11,308,544	320.2	457.0
Cottonseed			158,662	157,848			584.8	821.1
			Tons	*Tons*			*Tons*	*Tons*
Sugar beets	84,183	79,897	956,719	1,043,847	6,850,733	7,575,664	11.3	13.1
Cane	1,069	47,025	2,862		32,631	662,485	2.7	
Other crops	52,962				481,055			
Duplication	324,983	233,291						

[1] Figures include nonirrigated crops grown on projects (1929—acreage, 92,180; crop value, $899,720; 1930—acreage, 83,870 acres; crop value, $538,330).

[2] Data incomplete as in several cases acreage and value were reported but no tonnage.

Source: Bureau of Reclamation, Department of the Interior.

No. 568.—GOVERNMENT IRRIGATION PROJECTS: SUMMARY OF CONSTRUCTION WORK

Item	Fiscal year 1930	To June 30, 1930	Item	Fiscal year 1930	To June 30, 1930
Reservoir capacity available (original)..acre-feet..	88,565	12,970,528	Culverts.....number..	632	14,075
Canals, ditches, and drains, total length.....miles..	432.7	16,990.1	Length.....feet..	32,411	557,807
Canals, total.....do....	180.5	13,278.3	Pipe, length.....do....	188,153	4,279,249
Second-feet capacity—			Flumes.....number..	449	5,260
Over 800.....miles..	29.0	593.8	Length.....feet..	18,282	871,304
301 to 800.....do....	15.5	744.6	Canals, lined, length:		
50 to 300.....do....	0	2,334.8	Concrete.....miles..	3.6	489.0
Less than 50.....do....	136.0	9,605.1	Wood.....do....	----------	4.1
Waste-water ditches.....miles..	12.5	1,096.5	Buildings.....number..	86	1,766
Drains, open.....do....	231.9	2,378.3	Wells.....do....	55	747
Drains, closed.....do....	7.8	237.0	Depth.....feet..	11,052	85,067
Tunnels.....number..	2	124	Roads.....miles..	143.3	1,346.7
Length.....feet..	1,164	176,700	Railroads.....do....	59	116.2
Storage and diversion dams, total.....cubic yards..	819,954	22,212,529	Telephone lines.....do....	660.3	4,010.6
Masonry.....do....	137,499	2,951,239	Transmission lines...do....	1,148.7	3,204.7
Earth.....do....	582,743	17,041,342	Power developed, water and steam.....horsepower..	23,220	189,348
Rock fill and crib..do....	99,712	2,219,948	Excavation, total		
Dikes and levees:			.....cubic yards..	15,283,359	292,105,859
Length.....feet..	27,110	1,312,801	Class 1, earth.....do....	12,988,133	261,353,745
Volume.....cubic yards..	339,594	7,205,359	Class 2, indurated material.....cubic yards..	1,225,293	17,186,605
Canal structures:			Class 3, rock.....do....	1,069,933	13,565,509
Concrete.....number..	3,271	60,119	Riprap laid.....do....	42,463	2,505,250
Wood.....do....	9,736	101,350	Paving laid..square yards..	888,541	1,968,869
Bridges.....do....	233	11,804	Concrete laid..cubic yards..	200,443	4,391,996
Length.....feet..	5,151	282,600	Cement used.....barrels..	261,482	4,925,932
			Gunite.....square yards..	11,000	909,096

Source: Bureau of Reclamation, Department of the Interior.

No. 569.—IRRIGATION: SUMMARY FOR THE UNITED STATES

NOTE.—See general note, p. 623. Tables 569 to 573 relate to systematic irrigation enterprises and do not cover small irrigation work 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 all States which have irrigation enterprises

Item	Census of—			Per cent increase 1920–1930 [1]
	1910	1920	1930 [2]	
Number of all farms in 19 States included	1,776,046	1,916,391	2,062,813	7.6
Approximate land area of States included.....acres..	1,224,063,360	1,223,989,120	1,223,989,120	------
All land in farms in States included.....do....	416,462,547	505,440,954	508,693,705	12.5
Improved land in farms in States included.....do....	186,786,227	214,689,819	[3] 266,297,309	------
Number of farms irrigated	102,723	231,541	----------	------
Area irrigated [4].....acres..	14,433,285	19,191,716	19,578,441	2.0
Area enterprises were capable of irrigating.....do....	20,285,403	26,020,477	26,087,891	.3
Area included in enterprises.....do....	32,245,464	35,890,821	30,800,126	−14.2
Per cent irrigated:				
Number of all farms	9.2	12.1	----------	------
Approximate land area	1.2	1.6	1.6	------
Land in farms	3.5	3.8	3.4	------
Improved land in farms	7.7	8.9	----------	------
Excess of area enterprises were capable of irrigating over area irrigated.....acres..	5,852,118	6,828,761	6,509,450	−4.7
Excess of area included in enterprises over area irrigated.....acres..	17,812,179	16,699,105	11,221,685	−32.8
Area of irrigated land reported as available for settlement.....acres..	[5]	2,257,981	----------	------
Capital invested.....dollars..	321,454,008	697,657,328	----------	------
Average per acre enterprises were capable of irrigating.....dollars..	15.85	26.81	----------	------
Estimated final cost of existing enterprises.....do....	437,948,825	819,778,005	----------	------
Average per acre included in enterprises....do....	13.58	22.84	----------	------

[1] A minus sign (−) denotes decrease.
[2] Preliminary data not yet available for items for which figures are not shown.
[3] Crop land and plowable pasture which corresponds roughly to "improved land" at previous censuses.
[4] Figures are for 1909, 1919, and 1929, respectively.
[5] Not reported in 1910.

Source: Bureau of the Census, Department of Commerce.

No. 570.—IRRIGATION: Acreage and Capital Invested, by Character of Enterprise, 1910 and 1920

Note.—See headnote, Table 569. 1930 Census data are not yet available

Item and class	Area irrigated (acres)		Area enterprises were capable of irrigating (acres)		Area included in enterprises (acres)		Capital invested (thousands of dollars), 1920
	1909	1919	1910	1920	1910	1920	
Total	14,433,285	19,191,716	20,285,403	26,020,477	32,245,484	35,890,821	697,657
Individual and partnership	6,594,614	6,848,807	8,086,766	9,255,756	10,621,067	13,008,415	154,634
Cooperative	4,643,539	6,581,400	6,191,577	8,403,298	8,830,197	10,028,543	183,042
Irrigation district	528,642	1,822,887	800,451	2,531,425	1,581,465	3,432,109	88,574
Carey Act	288,553	523,929	1,089,677	804,298	2,573,874	1,188,937	32,681
Commercial	1,809,379	1,822,001	2,954,166	2,799,563	5,786,777	3,999,581	85,735
United States Reclamation Service	395,646	1,254,569	786,190	1,680,643	1,973,016	2,627,176	129,510
United States Indian Service	172,912	284,551	376,576	424,486	879,068	932,985	14,851
State	(1)	5,620	(1)	7,379	(1)	9,581	344
City	(1)	40,146	(1)	44,458	(1)	49,650	2,937
Other and mixed	(1)	7,236	(1)	8,546	(1)	13,144	5,310
Not reported	(1)	570	(1)	625	(1)	700	40

[1] Not included in classification in 1910.

Source: Bureau of the Census, Department of Commerce.

No. 571.—IRRIGATION: Acreage and Capital Invested, by Drainage Basins, 1902 and 1920

Note.—See headnote, Table 569. 1930 Census data are not yet available

Drainage basin	Area irrigated (acres)		Area enterprises were capable of irrigating, 1920 (acres)	Area included in enterprises in 1920 (acres)	Capital invested (thousands of dollars)	
	1902	1919			1902	1920
Total	8,874,408	19,191,716	26,020,477	35,890,821	82,532	697,657
Missouri River and tributaries	2,538,237	4,147,278	5,805,630	8,483,171	16,176	131,553
Mississippi River and tributaries other than Missouri River	393,687	958,493	1,152,261	1,543,064	4,620	35,184
Gulf of Mexico streams other than Mississippi River and Rio Grande	21,833	698,077	1,157,529	1,602,169	501	29,440
Rio Grande and tributaries	496,587	1,293,863	1,887,433	2,594,127	6,367	34,173
Independent streams in Rio Grande drainage basin	8,355	18,992	26,852	34,026	127	651
Colorado River and tributaries	927,183	2,312,047	2,986,937	4,064,492	11,299	86,697
White Water Draw and tributaries	384	5,871	9,950	16,623	7	299
Great Basin	1,639,473	2,313,163	2,869,858	4,238,028	10,890	66,589
Columbia River and tributaries	1,297,437	3,873,245	4,968,518	6,336,801	10,851	145,672
Pacific Ocean streams other than Columbia and Colorado Rivers	1,556,232	3,570,687	5,155,509	6,978,320	21,694	167,398

Source: Bureau of the Census, Department of Commerce.

No. 572.—IRRIGATION: AREA IN IRRIGATION ENTERPRISES, 1910, 1920, AND 1930, AND CAPITAL INVESTED, AND COST OF OPERATION AND MAINTENANCE, 1910 AND 1920, BY STATES

NOTE.—See headnote, Table 569. Acreage figures for 1930 are preliminary and are subject to revision. Data for capital invested and cost for 1930 are not yet available

State	Area included in enterprises (acres)			Area enterprises were capable of irrigating (acres)		Area irrigated (acres)		
	1910	1920	1930	1920	1930	1909	1919	1929
Total	32,245,464	35,890,821	30,809,126	26,020,477	26,087,891	14,433,285	19,191,716	19,578,441
Arizona	944,090	813,153	1,087,412	627,303	825,886	320,051	467,565	577,263
Arkansas	52,883	246,480	245,217	179,013	209,470	27,753	143,946	151,305
California	5,490,360	7,805,207	8,050,871	5,894,466	6,751,789	2,664,104	4,219,040	4,731,632
Colorado	5,917,457	5,220,588	4,569,801	3,855,348	4,122,073	2,792,032	3,348,385	3,426,022
Idaho	3,549,573	3,780,048	2,785,201	3,092,810	2,588,866	1,430,848	2,488,806	2,152,176
Kansas	161,300	102,562	93,958	67,853	82,245	37,479	47,312	60,841
Louisiana	581,965	851,211	879,629	728,742	808,140	380,200	454,882	452,251
Montana	3,515,602	4,329,148	2,604,223	2,763,498	2,258,997	1,679,084	1,681,729	1,580,321
Nebraska	680,133	706,768	866,914	592,468	701,078	255,950	442,690	528,680
Nevada	1,232,142	1,382,036	982,460	704,708	735,342	701,833	561,447	487,241
New Mexico	1,102,297	961,879	760,524	696,119	672,967	461,718	538,377	551,420
North Dakota	38,173	57,476	24,069	34,235	23,465	10,248	12,072	[1] 8,851
Oklahoma	8,528	11,742	1,969	9,072	1,968	4,388	2,969	890
Oregon	2,527,208	1,925,987	1,531,232	1,344,046	1,188,920	686,129	986,162	937,008
South Dakota	201,625	188,382	120,219	150,914	107,764	63,248	100,682	65,020
Texas	1,253,173	1,687,447	1,567,642	1,150,542	1,175,530	451,130	586,120	797,695
Utah	1,947,625	2,359,244	1,743,815	1,700,550	1,542,561	999,410	1,371,651	1,323,703
Washington	817,032	886,795	924,169	637,151	640,076	334,378	529,899	503,458
Wyoming	2,224,298	2,564,668	1,960,801	1,831,039	1,650,755	1,133,302	1,207,982	1,233,604

State	Capital invested (dollars)				Estimated final cost (dollars)				Average cost of operation and maintenance per acre (dollars) [2]	
	Amount		Average per acre		Amount		Average per acre			
	1910	1920	1910	1920	1910	1920	1910	1920	1909	1919
Total	321,454,008	697,657,328	15.85	26.81	437,948,825	819,778,005	13.58	23.84	1.07	2.43
Arizona	17,677,966	33,498,094	45.60	53.40	24,828,868	34,615,064	26.30	42.57	0.93	3.27
Arkansas	587,834	7,183,322	12.47	40.13	612,834	7,283,522	11.59	29.55	[3]	13.67
California	72,580,030	194,886,388	20.05	33.06	84,392,344	225,799,123	15.37	28.93	1.54	4.40
Colorado	56,636,443	88,302,442	14.19	22.90	76,443,239	95,198,423	12.92	18.24	.75	.87
Idaho	40,977,688	91,501,009	17.15	29.59	58,451,106	97,019,717	16.47	25.67	.63	1.17
Kansas	1,365,563	2,067,381	9.75	30.47	1,365,563	2,195,981	8.47	21.41	1.59	3.29
Louisiana	6,859,166	14,063,181	12.40	19.30	6,914,166	14,264,178	11.88	16.76	[3]	7.01
Montana	22,970,958	52,143,363	10.42	18.94	32,382,077	70,079,028	9.21	16.19	.89	1.26
Nebraska	7,798,310	13,909,185	18.17	24.73	9,485,231	18,030,154	13.95	23.51	1.09	1.48
Nevada	6,721,924	14,754,280	7.99	20.94	12,188,756	22,648,747	9.89	16.39	.97	.79
New Mexico	9,154,897	18,210,412	14.19	26.16	11,640,091	20,440,646	10.56	21.25	1.36	2.41
North Dakota	836,482	1,857,118	38.17	54.25	836,482	2,072,766	21.91	36.06	28.40	5.50
Oklahoma	47,200	151,325	7.38	15.65	47,200	162,775	5.53	13.86	.51	2.92
Oregon	12,760,214	28,929,151	15.36	21.52	39,216,619	41,585,742	15.52	21.59	.75	1.19
South Dakota	3,043,140	5,465,248	23.69	36.21	3,800,556	5,500,748	18.85	29.20	.64	1.26
Texas	13,487,347	35,072,739	19.52	30.48	14,754,172	39,800,871	11.77	23.62	3.25	6.92
Utah	14,028,717	32,037,351	11.22	18.34	17,840,775	33,335,641	9.16	14.34	.65	1.08
Washington	16,219,149	29,299,011	34.47	45.98	22,322,856	37,684,591	27.32	45.03	3.08	1.45
Wyoming	17,700,980	34,320,328	10.80	18.75	20,425,890	51,500,288	9.18	20.08	.86	3.04

[1] Figures for 1909 do not include cost of operation and maintenance for rice-growing districts in Gulf States; consequently, figures for 1909 and 1919 are not comparable.
[2] When water is pumped, cost of operation and maintenance includes cost of fuel and attendance.
[3] Not reported in 1909.

Source: Bureau of the Census, Department of Commerce.

No. 573.—IRRIGATION: Crops Grown on Irrigated Land, 1919

NOTE.—See headnotes, Tables 569 and 574. The figures given are probably incomplete but are fairly indicative of the relative importance of different crops on irrigated land and of the average yields and values per acre. For comparison the average yields per acre on nonirrigated land *in the States having irrigation projects* (not for the entire country) are shown. 1930 census data are not yet available

Crop	Area harvested (acres)	Quantity harvested		Average yield per acre in States having irrigation enterprises		Value (dollars)	
		Unit	Amount	On irrigated land	On nonirrigated land	Amount	Average per acre
Cereals:							
Corn	283,312	Bushel	7,525,354	28.6	21.8	11,692,813	44.41
Oats	325,523	do	9,361,125	28.8	26.5	9,534,495	29.29
Winter wheat	381,127	do	7,115,303	18.7	14.1	15,269,840	40.06
Spring wheat	577,411	do	17,679,328	20.1	7.6	37,556,853	42.80
Barley	280,287	do	7,202,430	25.7	17.3	10,775,076	38.44
Rye	19,014	do	168,977	8.9	7.4	296,987	15.57
Kafir, milo, etc	152,768	do	4,100,338	26.8	19.6	6,725,561	44.02
Rice (rough) [1]	892,761	do	35,032,275	39.2	4.1	96,368,090	107.94
Other grains and seeds:							
Clover and alfalfa seed [2]	39,431	do	161,587	4.1	1.4	3,461,762	87.79
Dry beans, navy, etc	177,752	do	2,862,567	16.1	10.3	12,986,208	73.06
Dry peas, Canada	51,464	do	637,560	12.4	10.0	2,042,455	39.69
Hay and forage:							
Timothy alone	140,607	Ton	178,112	1.27	1.09	4,582,905	32.59
Timothy and clover mixed	392,260	do	569,591	1.45	1.50	13,782,635	35.14
Clover alone	40,879	do	63,405	1.55	1.56	1,334,600	32.65
Alfalfa	3,151,675	do	8,430,706	2.68	1.84	186,391,209	59.14
Other tame grasses	254,313	do	316,803	1.25	1.32	6,473,377	25.45
Wild, salt, or prairie grasses	1,034,507	do	951,345	.92	.82	17,954,630	17.36
Small grains cut for hay	201,097	do	372,739	1.28	.92	8,448,901	28.96
Annual legumes cut for hay	19,851	do	28,334	1.43	1.20	494,052	24.89
Silage crops	56,424	do	388,830	6.89	4.54	3,831,525	67.91
Corn cut for forage	36,689	do	87,389	2.38	1.51	1,121,730	30.57
Kafir, sorghum, etc., for forage	51,981	do	106,035	2.04	1.68	1,614,325	31.06
Root crops for forage	2,631	do	19,543	7.43	11.11	340,329	129.35
Vegetables:							
Potatoes	154,194	Bushel	22,978,739	149.0	64.9	50,778,093	329.32
Cantaloupes and muskmelons	20,874					3,853,037	184.59
Tomatoes	20,649					2,701,968	130.85
Orchard fruits:							
Grapes	[3] 73,675,084	Pound	1,131,279,429	[4] 15.4	[4] 11.3	36,304,252	
Apples	[5] 9,085,320	Bushel	22,406,306	[6] 2.5	[6] 1.7	24,566,584	
Peaches	[5] 7,062,692	do	13,224,500	[6] 1.9	[6] 1.2	24,670,264	
Pears	[5] 1,849,429	do	3,479,806	[6] 1.9	[6] 1.4	4,695,848	
Plums and prunes	[5] 4,306,976	do	7,074,240	[6] 1.6	[6] 1.0	15,188,490	
Cherries	[5] 667,907	do	578,354	[6] .9	[6] .6	2,139,891	
Subtropical fruits:							
Oranges	[5] 8,711,152	Box	18,774,306	[6] 2.2	[6] 1.8	58,244,422	
Lemons	[5] 2,299,716	do	5,776,149	[6] 2.5	[6] 1.3	16,750,832	
Miscellaneous:							
Sugar beets grown for sugar	377,855	Ton	3,567,522	9.45	8.38	38,831,339	102.82
Cotton	214,576	Bale	113,862	.53	.28	30,457,881	141.94

[1] Quantity harvested and value given for irrigated land were not tabulated separately. The totals given include small amounts of rice grown without irrigation.
[2] Not including red-clover seed.
[3] Number of vines of bearing age.
[4] Yield per vine.
[5] Number of trees of bearing age.
[6] Yield per tree.

Source: Bureau of the Census, Department of Commerce.

No. 574.—IRRIGATION: ACREAGE AND VALUE OF CROPS GROWN ON IRRIGATED LAND, 1919

NOTE.—The data in this table are from schedules of individual farmers and not from the managements of irrigation enterprises, as in the case of Table 573. It is believed that the returns are incomplete, some crops actually grown on irrigated land not having been distinguished as such. In the tabulation for each State crops of which the aggregate area in the State was reported as less than 500 acres were omitted, but these form such a small part of the total as to be negligible

State	Acreage	Value (dollars)		State	Acreage	Value (dollars)	
		Amount	Average per acre			Amount	Average per acre
Total	**10,482,653**	**801,005,326**	**76.41**	Nevada	331,177	12,390,593	37.41
				New Mexico	233,803	11,400,144	48.74
Arizona	333,616	34,190,780	102.49	North Dakota	25,280	267,148	10.57
Arkansas	143,946	18,352,240	127.49	Oklahoma	(1)		
California	2,329,052	319,208,503	137.06	Oregon	274,584	12,294,191	44.77
Colorado	1,946,676	100,215,136	51.48	South Dakota	67,021	2,403,548	35.86
Idaho	1,203,270	76,830,746	63.85	Texas	295,353	22,343,976	75.65
Kansas	28,502	842,161	29.55	Utah	843,219	50,114,342	59.43
Louisiana	454,882	42,735,849	93.95	Washington	395,196	39,801,619	100.71
Montana	867,226	30,382,674	35.03	Wyoming	509,945	15,683,997	30.76
Nebraska	199,815	11,547,679	57.79				

[1] No one crop reported with as much as 500 acres.

Source: Bureau of the Census, Department of Commerce.

No. 575.—DRAINAGE OF FARM LANDS AND DRAINAGE OF OPERATING ENTERPRISES IN THE UNITED STATES

NOTE.—The statistics of drainage on farms in the first part of this table and the statistics of drainage enterprises in the second part are from wholly different sources and are not comparable. The former are from schedules of individual farmers and the latter from a special canvass of organized drainage enterprises. The 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. The statements of farmers as to additional land needing drainage are likely to be less precise than those as to area actually drained artificially. 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 500 acres or more drained by individual farm owners. The enterprises in some States include considerable areas of timber and other unimproved land not 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, in Virginia

DRAINAGE ON FARMS, CENSUS OF 1920 [1]

Item	Amount	Per cent of total
Number of all farms in the United States	6,448,343	100.0
Farms reporting land having drainage	924,815	14.3
Farms reporting land needing drainage	956,095	14.8
Farms reporting both land provided with drainage and land needing drainage	402,623	6.2
All land in farms—acres	955,883,715	100.0
Improved land in farms—acres	503,073,007	52.5
Farm land reported as provided with drainage—acres	53,024,975	5.1
Farm land reported as needing drainage—acres	39,169,639	4.6

DRAINAGE ENTERPRISES [2]

Item	1919	1929 [3]
Approximate land area of States included—acres	1,717,932,160	1,743,699,840
Land in operating drainage enterprises—acres	65,495,038	84,815,500
Unfit for crop for lack of drainage		7,651,249
Drained, fit for normal crop		66,386,518
Partly drained, fit for partial crop		10,777,733
Land in occupied farms:		
Total land		69,105,453
Land planted		55,107,483
Capital invested in enterprises—dollars	372,273,567	682,562,441
Drainage works:		
Open ditches—miles	107,468	130,457
Levees and dikes—do	3,520	7,612
Tile drains—do	42,312	60,231

[1] Returns from the 1930 census are not yet available.
[2] Data cover 34 States in 1919, 35 in 1929, see Table 578.
[3] Preliminary figures subject to correction.

Source: Bureau of the Census, Department of Commerce.

No. 576.—DRAINAGE ENTERPRISES CLASSIFIED BY CHARACTER OF ORGANIZATION: 1920

NOTE.—See headnote, Table 575. 1930 census data are not yet available

Character of enterprise	Operating enterprises			Nonoperating enterprises		
	Land in enterprises (acres) [1]	Capital (dollars)		Land in enterprises (acres) [1]	Capital (dollars)	
		Invested to Dec. 31, 1919	Additional required to complete		Invested to Dec. 31, 1919	Additional required to complete
Total	**65,495,038**	**372,273,567**	**62,321,412**	**3,924,821**	**1,123,458**	**34,937,678**
Drainage districts	22,069,597	172,013,972	39,136,568	3,260,104	772,834	26,339,970
General State laws	20,239,956	147,511,259	24,593,523	2,667,056	752,830	25,073,970
Special acts	1,829,641	24,502,713	14,543,045	593,048	20,004	1,266,000
County drains	37,870,803	169,743,093	9,682,477	596,694	302,224	8,139,808
Township drains	195,133	574,963	4,500	423	----------	2,400
State drainage projects	1,422,844	6,845,429	6,434,440	----------	----------	----------
United States Reclamation Service	287,899	3,912,370	2,530,243	7,000	----------	150,000
Irrigation districts	175,200	1,459,714	2,553,829	----------	----------	----------
Commercial developments	212,421	3,279,829	1,128,000	50,000	45,000	150,000
Individual ownership	432,397	6,449,252	841,750	10,600	3,400	155,500
Character not precisely reported [2]	2,828,744	7,994,945	9,605	----------	----------	----------

[1] Before tabulation the area in each enterprise was reduced by the amount of overlapping with enterprises organized previously.
[2] All except 35,052 acres and $218,951 invested to Dec. 31, 1919, relate to either drainage districts or county drains in Indiana.

Source: Bureau of the Census, Department of Commerce.

No. 577.—DRAINAGE OF OPERATING ENTERPRISES CLASSIFIED BY DATE OF ORGANIZATION: 1920

NOTE.—See headnote, Table 575. 1930 census data are not yet available

Date of organization	Land		Capital (dollars)		Cost per acre assessed acreage (dollars)
	Area in enterprises (acres) [1]	Assessed acreage [2]	Invested to Dec. 31, 1919	Additional required to complete	
Total	**65,495,038**	**95,629,291**	**372,273,567**	**62,321,412**	**4.54**
Before 1860	97,319	98,119	182,716	----------	1.86
1860 to 1869	783,357	932,565	1,689,852	----------	1.81
1870 to 1879	2,077,717	3,413,277	8,126,391	----------	2.38
1880 to 1889	5,424,294	8,843,654	23,934,330	1,840,829	2.91
1890 to 1899	6,026,937	11,575,924	24,498,861	521,310	2.16
1900 to 1904	7,606,753	12,200,468	26,706,464	709,063	2.25
1905 to 1909	14,530,397	20,228,636	76,072,320	7,612,491	4.14
1910 to 1914	17,344,098	22,245,539	120,269,596	14,455,410	6.19
1915 to 1919	11,374,619	15,828,501	87,379,002	36,771,650	7.84
Not reported	229,547	262,608	3,414,035	410,659	14.56

[1] Before tabulation the area in each enterprise was reduced by the amount of overlapping with enterprises organized previously.
[2] These figures represent the sums of the areas in all the enterprises, without deducting for overlapping.

Source: Bureau of the Census, Department of Commerce.

No. 578—DRAINAGE OF OPERATING ENTERPRISES: BY STATES

NOTE.—See headnote, Table 575. Figures for 1929 are preliminary and are subject to correction

Division and State	Land in drainage enterprises		Drainage condition in 1929			Land in occupied farms, 1929		Capital invested in enterprises	
	1919	1929	Land unfit for 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*
United States	65,496,038	84,815,500	7,651,249	66,386,518	10,777,733	69,105,453	55,107,482	372,274	632,562
East North Central	31,627,176	33,379,749	1,336,367	29,312,640	2,730,742	32,299,564	26,366,890	134,270	209,225
Ohio	8,107,204	8,147,508	117,080	7,466,253	564,166	7,992,228	6,748,152	30,680	36,669
Indiana	9,087,183	10,210,604	243,382	9,281,142	685,580	10,095,944	8,528,179	31,148	53,982
Illinois	3,909,049	5,034,122	275,900	4,511,451	246,771	5,002,880	4,266,624	43,595	74,333
Michigan	9,729,171	9,119,568	542,403	7,511,572	1,065,593	8,655,636	6,475,839	24,684	37,904
Wisconsin	794,569	867,947	157,603	542,222	168,632	552,876	351,196	4,163	6,337
West North Central	19,217,367	23,925,796	2,473,959	18,590,379	2,861,458	20,247,490	16,153,772	121,562	205,343
Minnesota	9,232,709	11,357,883	2,037,904	7,202,413	2,117,566	8,560,555	5,788,537	42,017	63,518
Iowa	5,224,478	6,248,189	76,991	5,931,833	239,365	6,195,281	5,684,899	49,627	78,127
Missouri	2,596,204	3,450,866	303,071	2,753,099	388,796	2,659,721	2,246,350	20,723	46,263
North Dakota	1,240,328	1,058,123	10,540	1,024,782	22,801	1,049,845	886,635	2,208	3,149
South Dakota	222,062	690,007	26,256	615,697	48,054	676,895	571,703	1,461	4,585
Nebraska	607,730	863,559	9,705	820,330	33,515	848,329	734,618	4,589	6,820
Kansas	93,856	257,169	3,592	242,216	11,361	256,864	241,030	937	2,901
South Atlantic	2,385,384	6,960,981	1,585,474	2,599,363	2,790,144	949,852	598,383	18,847	54,076
Virginia	----------	25,327	5,000	16,138	4,189	15,989	12,500	----------	415
North Carolina	542,828	636,486	124,843	424,766	136,877	331,481	269,074	3,624	4,761
South Carolina	140,031	203,432	31,002	137,737	34,694	95,302	62,057	582	1,505
Georgia	65,452	84,265	24,046	46,618	13,601	63,850	37,616	795	1,917
Florida	1,637,073	5,961,470	1,380,583	1,974,104	2,600,783	443,230	217,136	13,847	45,478
East South Central	2,323,595	4,200,083	493,769	3,228,544	477,770	3,147,464	2,328,635	11,524	35,368
Kentucky	358,480	628,853	65,551	446,256	117,045	534,999	332,975	1,522	5,358
Tennessee	363,671	603,392	144,384	363,319	95,689	414,182	213,486	2,926	6,412
Mississippi	1,601,444	2,967,838	283,834	2,418,969	265,035	2,198,283	1,782,174	7,076	23,598
West South Central	7,924,197	11,600,490	1,643,020	8,422,726	1,534,744	8,250,488	5,967,765	28,948	78,013
Arkansas	3,479,591	4,979,724	640,280	3,680,207	659,237	3,601,002	2,647,963	14,147	40,909
Louisiana	2,266,328	3,568,443	781,389	2,418,072	368,982	2,502,397	1,917,185	9,022	22,737
Oklahoma	12,150	165,967	5,734	130,030	21,203	157,745	120,855	76	2,251
Texas	2,166,128	2,886,356	215,617	2,185,417	485,322	1,899,254	1,272,762	5,701	12,116
Mountain	810,076	1,899,432	85,508	1,703,070	111,854	1,649,033	1,421,818	7,840	25,330
Montana	168,682	167,629	6,388	152,871	8,370	150,844	114,266	605	1,879
Idaho	64,642	348,284	17,675	306,024	24,585	335,123	308,031	1,669	4,634
Wyoming	95,474	240,203	9,821	221,962	17,420	179,127	154,015	1,176	5,196
Colorado	171,656	326,266	26,740	273,180	26,346	281,306	248,302	1,082	4,360
New Mexico	140,219	170,087	15,020	141,545	13,522	132,311	118,935	1,711	3,264
Arizona	39,640	318,031	4,125	313,112	1,694	304,802	278,006	414	1,875
Utah	113,823	156,052	5,600	142,941	7,511	110,029	87,971	1,005	2,772
Nevada	15,940	162,980	139	150,435	12,406	155,491	111,512	118	1,350
Pacific	1,207,243	2,848,969	53,152	2,530,796	265,021	2,581,562	2,268,220	49,285	75,210
Washington	94,924	356,058	9,908	318,286	27,864	341,016	307,366	1,397	4,646
Oregon	4,000	204,432	30,625	146,556	27,251	141,826	109,793	200	4,256
California	1,108,319	2,288,479	12,619	2,065,954	209,906	2,078,720	1,851,061	47,687	66,308

Source: Bureau of the Census, Department of Commerce.

25.—FARMS—GENERAL STATISTICS

[Data in this section relate to continental United States]

No. 579.—POPULATION, FARMS, AND FARM PROPERTY

[Figures for 1930 relate to Apr. 1, for 1920 and 1925 to Jan. 1, for 1910 to Apr. 15, and for earlier years to June 1]

Item	1850	1890	1900	1910	1920	1925	1930
Total population	23,191,876	62,947,714	75,994,575	91,972,266	105,710,620	[1] 114,035,000	122,775,046
Urban		22,298,359	30,380,433	42,166,120	54,304,603	[1] 61,451,000	68,954,823
Rural [2]		40,649,355	45,614,142	49,806,146	51,406,017	[1] 52,584,000	53,820,223
Per cent of total		64.6	60.0	54.2	48.6	45.6	43.8
Farm population [3]					31,614,269	([4])	30,447,229
Per cent of total					29.9	([4])	24.8
Per cent of rural					61.5	([4])	56.6
Number of farms	1,449,073	4,564,641	5,737,372	6,361,502	6,448,343	6,371,640	6,288,648
Acreage in thousands—							
Approximate land area of United States	1,884,376	1,903,338	1,903,462	1,903,290	1,903,215	1,903,217	1,903,217
All lands in farms	293,561	623,219	838,592	878,798	955,884	924,319	986,771
Crop land						391,460	413,236
Pasture land						407,959	464,155
Woodland not pasture						67,067	64,624
All other						57,834	44,757
Per cent of total land area represented by all land in farms	15.6	32.7	44.1	46.2	50.2	48.6	51.8
Average acreage per farm, all land	202.6	136.5	146.2	138.1	148.2	145.1	156.9
Value of all farm property (thousands of dollars)	3,967,344	16,082,268	20,439,901	40,991,449	77,923,652	57,017,740	([5])
Land and buildings	3,271,575	13,279,253	16,614,647	34,801,126	60,316,003	49,467,647	47,879,838
Land [6]			13,058,008	28,475,674	54,829,563	37,721,018	34,929,844
Buildings			3,556,639	6,325,452	11,486,440	11,746,629	12,949,994
Implements and machinery	151,588	494,247	749,776	1,265,150	3,594,773	2,691,704	3,301,663
Livestock	544,181	2,308,768	3,075,478	4,925,174	8,012,876	4,858,389	([5])
Per cent of value of all farm property represented by—							
Land and buildings	82.5	82.6	81.3	84.9	85.1	86.8	([5])
Land			63.9	69.5	70.4	66.2	([5])
Buildings			17.4	15.4	14.7	20.6	([5])
Implements and machinery	3.8	3.1	3.7	3.1	4.6	4.7	([5])
Livestock	13.7	14.4	15.0	12.0	10.3	8.5	([5])
Average value of all farm property per farm (dollars)	2,738	3,523	3,563	6,444	12,084	8,949	([5])
Land and buildings	2,258	2,909	2,896	5,471	10,284	7,764	7,614
Land			2,276	4,476	8,503	5,920	5,554
Buildings			620	994	1,781	1,844	2,059
Implements and machinery	105	108	131	199	557	422	525
Livestock	376	506	536	774	1,243	763	([5])
Average value of all farm property per acre (dollars)	13.51	25.81	24.37	46.64	81.52	61.69	([5])
Land and buildings	11.14	21.31	19.81	39.60	69.38	53.52	48.52
Land			15.57	32.40	57.36	40.81	35.40
Buildings			4.24	7.20	12.02	12.71	13.12
Implements and machinery	.52	.79	.89	1.44	3.76	2.91	3.35
Livestock	1.85	3.70	3.67	5.60	8.38	5.26	([4])

[1] Revised estimates as of Jan. 1, 1925.

[2] For definition of urban and rural population, see headnote, Table 37, p. 47.

[3] The 1930 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 census was taken in January, while the 1930 census was taken in April, when the number of persons on farms is appreciably larger.

[4] Farm population figures were obtained on the farm schedule in the Agricultural Census of 1925, while in 1920 and 1930 they were obtained from the population schedule. Owing to the different method of collecting the information, the 1925 figures are not here presented for comparison with the 1920 and 1930 returns pending a further analysis of the data.

[5] Value of livestock and of all farm property are not yet available.

[6] These figures include the value of fences, tile drains, and other incidental improvements on the land, excluding only the value of buildings.

Source: Bureau of the Census, Department of Commerce.

No. 580.—FARM POPULATION AND TOTAL POPULATION: By States

Division and State	Total population		Farm population		Per cent of total population	
	1920	1930	1920	1930	1920	1930
United States	105,710,620	122,775,046	31,614,269	30,447,229	29.9	24.8
New England	7,400,909	8,166,341	625,877	573,869	8.5	7.0
Maine	768,014	797,423	197,601	170,995	25.7	21.4
New Hampshire	443,083	465,293	76,021	62,850	17.2	13.5
Vermont	352,428	359,611	125,263	112,904	35.5	31.4
Massachusetts	3,852,356	4,249,614	118,554	123,805	3.1	2.9
Rhode Island	604,397	687,497	15,136	16,545	2.5	2.4
Connecticut	1,380,631	1,606,903	93,302	86,770	6.8	5.4
Middle Atlantic	22,261,144	26,260,750	1,892,789	1,708,719	8.5	6.5
New York	10,385,227	12,588,066	800,747	720,929	7.7	5.7
New Jersey	3,155,900	4,041,334	143,708	131,096	4.6	3.2
Pennsylvania	8,720,017	9,631,350	948,334	856,694	10.9	8.9
East North Central	21,475,543	25,297,185	4,913,633	4,489,583	22.9	17.7
Ohio	5,759,394	6,646,697	1,139,329	1,013,529	19.8	15.2
Indiana	2,930,390	3,238,503	907,295	813,007	31.0	25.1
Illinois	6,485,280	7,630,654	1,098,262	999,599	16.9	13.1
Michigan	3,668,412	4,842,325	848,710	782,394	23.1	16.2
Wisconsin	2,632,067	2,939,006	920,037	881,054	35.0	30.0
West North Central	12,544,249	13,296,915	5,171,596	5,067,748	41.2	38.1
Minnesota	2,387,125	2,563,953	897,181	895,349	37.6	34.9
Iowa	2,404,021	2,470,939	984,799	977,906	41.0	39.6
Missouri	3,404,055	3,629,367	1,211,346	1,114,095	35.6	30.7
North Dakota	646,872	680,845	394,500	397,294	61.0	58.4
South Dakota	636,547	692,849	362,221	390,205	56.9	56.3
Nebraska	1,296,372	1,377,963	584,172	585,701	45.1	42.5
Kansas	1,769,257	1,880,999	737,377	707,196	41.7	37.6
South Atlantic	13,990,272	15,793,589	6,416,698	5,898,176	45.9	37.3
Delaware	223,003	238,380	51,212	46,530	23.0	19.5
Maryland	1,449,661	1,631,526	279,225	237,456	19.3	14.6
District of Columbia	437,571	486,869	894	435	.2	.1
Virginia	2,309,187	2,421,851	1,964,417	950,757	46.1	39.3
West Virginia	1,463,701	1,729,205	477,024	449,114	32.7	26.0
North Carolina	2,559,123	3,170,276	1,501,227	1,590,918	58.7	50.5
South Carolina	1,683,724	1,738,765	1,074,093	916,471	63.8	52.7
Georgia	2,895,832	2,908,506	1,685,213	1,418,514	58.2	48.8
Florida	968,470	1,468,211	281,893	278,981	29.1	19.0
East South Central	8,893,307	9,887,214	5,152,937	5,095,096	58.3	51.5
Kentucky	2,416,630	2,614,589	1,304,862	1,176,524	54.0	45.0
Tennessee	2,337,885	2,616,556	1,271,708	1,215,452	54.4	46.5
Alabama	2,348,174	2,646,248	1,335,885	1,340,277	56.9	50.6
Mississippi	1,790,618	2,009,821	1,270,482	1,362,843	71.0	67.8
West South Central	10,242,224	12,176,830	5,228,199	5,326,412	51.0	43.7
Arkansas	1,752,204	1,854,482	1,147,049	1,119,464	65.5	60.4
Louisiana	1,798,509	2,101,593	786,050	830,606	43.7	39.5
Oklahoma	2,028,283	2,396,040	1,017,327	1,024,070	50.2	42.7
Texas	4,663,228	5,824,715	2,277,773	2,352,272	48.8	40.4
Mountain	3,336,101	3,701,789	1,168,367	1,138,718	35.0	30.8
Montana	548,889	537,606	225,667	204,594	41.1	38.1
Idaho	431,866	445,032	200,902	188,365	46.5	42.3
Wyoming	194,402	225,565	67,306	73,152	34.6	32.4
Colorado	939,629	1,035,791	266,073	282,827	28.3	27.3
New Mexico	360,350	423,317	161,446	158,631	44.8	37.5
Arizona	334,162	435,573	90,560	98,995	27.1	22.7
Utah	449,396	507,847	140,249	115,713	31.2	22.8
Nevada	77,407	91,058	16,164	16,441	20.9	18.1
Pacific	5,566,871	8,194,433	1,014,173	1,148,910	18.2	14.0
Washington	1,356,621	1,563,396	283,382	304,737	20.9	19.5
Oregon	783,389	953,786	214,021	223,667	27.3	23.5
California	3,426,861	5,677,251	516,770	620,506	15.1	10.9

Source: Bureau of the Census, Department of Commerce.

No. 581.—CLASSIFICATION OF FARM LAND: BY STATES, 1930

NOTE.—For total land in farms, see Table 582

[All figures in thousands of acres]

Division and State	Crop land				Land in pasture				Woodland not pasture	All other land
	Total	Harvested in 1929	Crop failure in 1929	Idle or fallow	Total	Plowable	Woodland	Other		
United States	413,236	359,242	12,707	41,287	464,155	109,160	85,322	269,673	64,624	44,757
New England	4,015	3,659	41	315	6,286	964	3,147	2,155	3,253	749
Maine	1,402	1,304	6	91	1,637	259	879	499	1,362	239
New Hampshire	422	380	4	38	933	106	576	250	495	110
Vermont	1,128	1,074	7	48	2,192	274	1,018	900	486	90
Massachusetts	564	474	10	80	753	162	345	247	518	170
Rhode Island	68	55	2	11	100	35	38	27	84	27
Connecticut	431	372	12	47	651	128	291	232	308	113
Middle Atlantic	16,955	14,324	336	2,296	12,216	4,353	3,334	4,529	3,943	1,933
New York	8,154	6,959	169	1,026	7,300	2,376	1,949	2,975	1,685	840
New Jersey	987	777	20	191	340	198	47	95	232	199
Pennsylvania	7,814	6,588	147	1,079	4,576	1,779	1,338	1,459	2,026	894
East North Central	63,432	56,644	1,595	5,193	36,316	14,628	12,548	9,140	4,527	6,616
Ohio	11,269	10,116	227	927	8,038	3,762	1,854	2,421	920	1,287
Indiana	11,722	10,214	348	1,161	5,956	2,810	1,834	1,312	785	1,224
Illinois	21,140	18,958	701	1,480	7,607	4,002	2,010	1,596	732	1,217
Michigan	9,094	7,738	197	1,159	5,892	2,064	2,410	1,418	825	1,308
Wisconsin	10,207	9,618	122	466	8,823	1,900	4,440	2,483	1,265	1,580
West North Central	150,285	138,716	4,058	7,511	98,214	34,408	13,261	50,547	4,498	12,491
Minnesota	19,491	18,445	255	790	8,248	2,249	3,656	2,342	1,090	2,085
Iowa	22,738	22,276	232	231	9,509	4,982	1,969	2,558	245	1,528
Missouri	15,646	13,176	806	1,665	14,297	7,018	5,262	2,017	2,438	1,361
North Dakota	24,528	21,255	854	2,419	10,758	3,183	400	7,176	158	3,213
South Dakota	19,003	17,856	583	563	15,917	5,707	395	9,815	96	1,455
Nebraska	22,344	21,399	360	584	20,798	4,160	798	15,840	143	1,424
Kansas	26,535	24,309	968	1,259	18,687	7,107	781	10,799	328	1,425
South Atlantic	34,066	27,520	568	5,979	21,794	7,786	9,067	4,942	24,688	5,834
Delaware	504	408	9	88	122	83	16	24	188	86
Maryland	2,120	1,742	18	370	959	539	205	215	1,008	279
Dist. of Columbia	2	2	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Virginia	5,059	3,975	80	1,002	5,593	2,925	1,528	1,140	5,107	910
West Virginia	1,907	1,655	25	227	4,511	1,718	1,121	1,672	2,008	376
North Carolina	7,012	5,810	120	1,074	2,845	888	1,424	534	6,902	1,295
South Carolina	5,037	4,137	97	803	1,793	351	1,052	390	2,851	712
Georgia	10,447	8,337	164	1,946	4,652	980	2,880	791	5,493	1,488
Florida	1,969	1,454	46	469	1,319	302	841	176	1,051	688
East South Central	30,247	25,148	800	4,499	22,737	10,845	8,078	3,816	14,844	4,980
Kentucky	6,927	5,331	150	1,446	8,120	5,395	1,403	1,322	3,394	1,487
Tennessee	7,606	6,106	146	1,414	5,168	2,751	1,528	888	3,885	1,285
Alabama	8,199	7,114	157	928	4,105	1,204	2,291	611	4,195	1,055
Mississippi	7,465	6,597	147	711	5,344	1,495	2,854	995	3,370	1,163
West South Central	64,747	56,837	2,883	5,046	107,609	16,491	20,997	70,121	6,852	4,696
Arkansas	7,907	6,582	232	1,093	3,792	1,170	2,064	558	3,379	974
Louisiana	4,741	4,068	130	543	2,235	916	917	402	1,742	638
Oklahoma	17,333	15,553	698	1,082	14,640	3,249	3,567	7,824	493	1,326
Texas	34,766	30,634	1,803	2,328	86,942	11,156	14,449	61,337	1,240	1,758
Mountain	30,651	23,279	2,063	5,309	121,392	15,217	6,839	99,336	591	4,817
Montana	11,399	7,841	789	2,769	31,676	4,695	1,642	25,340	178	1,406
Idaho	4,073	3,150	87	836	4,392	379	736	3,276	124	758
Wyoming	2,293	2,008	96	189	20,837	2,322	468	18,047	48	348
Colorado	8,449	6,750	858	840	19,338	4,215	1,411	13,713	131	958
New Mexico	1,799	1,494	98	207	28,494	3,198	1,752	23,544	66	463
Arizona	649	478	35	135	9,682	102	597	8,983	20	176
Utah	1,495	1,160	48	288	3,662	228	177	3,257	14	442
Nevada	494	398	52	45	3,311	78	56	3,176	10	266
Pacific	18,838	13,115	533	5,139	37,611	4,470	8,053	25,087	1,446	2,631
Washington	6,275	3,659	178	2,438	6,241	578	1,488	4,175	386	631
Oregon	4,173	2,906	111	1,155	11,379	817	2,619	7,942	503	495
California	8,390	6,550	294	1,546	19,991	3,075	3,946	12,970	557	1,505

[1] Less than 500.

Source: Bureau of the Census, Department of Commerce.

No. 582.—NUMBER AND ACREAGE OF FARMS:

Division and State	Number of farms					All land in farms (thousands of acres)		
	1900	1910	1920	1925	1930	1900	1910	1920
United States	5,737,372	6,361,502	6,448,343	6,371,640	6,288,648	838,592	878,798	955,884
New England	191,888	188,802	156,564	159,489	124,925	20,549	19,715	18,991
Maine	59,299	60,016	48,227	50,033	39,006	6,300	6,297	5,420
New Hampshire	29,324	27,053	20,523	21,065	14,906	3,610	3,249	2,604
Vermont	33,104	32,709	29,075	27,786	24,898	4,724	4,664	4,236
Massachusetts	37,715	36,917	32,001	33,454	25,598	3,147	2,876	2,494
Rhode Island	5,498	5,292	4,083	3,911	3,322	456	443	332
Connecticut	26,948	26,815	22,655	23,240	17,195	2,312	2,186	1,899
Middle Atlantic	485,618	468,379	425,147	418,868	357,603	44,860	43,191	40,573
New York	226,720	215,597	193,195	188,754	159,806	22,648	22,030	20,633
New Jersey	34,650	33,487	29,702	29,671	25,378	2,841	2,574	2,283
Pennsylvania	224,248	219,295	202,250	200,443	172,419	19,371	18,587	17,658
East North Central	1,195,823	1,123,489	1,084,744	1,051,572	966,502	116,341	117,929	117,735
Ohio	276,719	272,045	256,695	244,703	219,296	24,502	24,106	23,510
Indiana	221,897	215,485	205,126	195,786	181,570	21,620	21,300	21,063
Illinois	264,151	251,872	237,181	225,601	214,497	32,795	32,523	31,975
Michigan	203,261	206,960	196,447	192,327	169,372	17,562	18,941	19,033
Wisconsin	169,795	177,127	189,295	193,155	181,767	19,863	21,060	22,148
West North Central	1,060,744	1,109,948	1,096,951	1,111,314	1,112,755	201,009	232,648	256,973
Minnesota	154,659	156,137	178,478	188,231	185,255	26,248	27,676	30,222
Iowa	228,622	217,044	213,439	213,490	214,928	34,574	33,931	33,475
Missouri	284,886	277,244	263,004	260,473	255,940	33,998	34,591	34,775
North Dakota	45,332	74,360	77,690	75,970	77,975	15,543	28,427	36,215
South Dakota	52,622	77,644	74,637	79,537	83,157	19,071	26,017	34,636
Nebraska	121,525	129,678	124,417	127,734	129,458	29,912	38,622	42,225
Kansas	173,098	177,841	165,286	165,879	166,042	41,663	43,385	45,425
South Atlantic	962,225	1,111,881	1,158,976	1,108,061	1,058,468	104,298	108,782	97,775
Delaware	9,687	10,836	10,140	10,257	9,707	1,066	1,039	945
Maryland	46,012	48,923	47,908	49,001	43,203	5,170	5,057	4,758
District of Columbia	259	217	204	139	104	8	6	6
Virginia	167,886	184,018	186,242	193,723	170,610	19,908	19,496	18,561
West Virginia	92,874	96,685	87,280	90,380	82,641	10,655	10,026	9,570
North Carolina	224,637	253,725	268,763	283,482	279,708	22,749	22,439	20,022
South Carolina	155,355	178,434	192,693	172,767	157,931	13,985	13,512	12,427
Georgia	224,691	291,027	310,732	249,095	255,598	26,392	26,953	25,441
Florida	40,814	50,016	54,005	59,217	58,966	4,364	5,254	6,047
East South Central	903,313	1,042,480	1,051,600	1,006,052	1,062,214	81,248	81,521	78,897
Kentucky	234,667	259,185	270,626	258,524	246,499	21,979	22,189	21,613
Tennessee	224,623	246,012	252,774	252,669	245,057	20,342	20,042	19,511
Alabama	223,220	262,901	256,099	237,631	257,395	20,686	20,732	19,577
Mississippi	220,803	274,382	272,101	257,228	312,663	18,241	18,558	18,197
West South Central	754,853	943,186	996,088	1,017,305	1,103,134	178,491	169,150	173,449
Arkansas	178,694	214,678	232,604	221,991	242,334	16,637	17,416	17,457
Louisiana	115,969	120,546	135,463	132,450	161,445	11,059	10,439	10,020
Oklahoma[1]	108,000	190,192	191,988	197,218	203,866	22,988	28,359	31,952
Texas	352,190	417,770	436,033	465,646	495,489	125,807	112,435	114,021
Mountain	101,327	133,446	244,109	233,392	241,314	46,397	59,533	117,337
Montana	13,370	26,214	57,677	46,904	47,495	11,844	13,546	35,071
Idaho	17,471	30,807	42,106	40,592	41,674	3,205	5,284	8,376
Wyoming	6,095	10,987	15,748	15,512	16,011	8,125	8,543	11,809
Colorado	24,700	46,170	59,934	58,020	59,956	9,475	13,532	24,462
New Mexico	12,311	35,676	29,844	31,687	31,404	5,131	11,270	24,410
Arizona	5,809	9,227	9,975	10,802	14,173	1,935	1,247	5,802
Utah	19,387	21,676	25,662	25,992	27,159	4,117	3,398	5,050
Nevada	2,184	2,689	3,163	3,883	3,442	2,566	2,715	2,357
Pacific	141,681	189,891	234,164	265,587	261,733	47,400	51,329	56,153
Washington	33,202	56,192	66,288	73,267	70,904	8,499	11,712	13,245
Oregon	35,837	45,502	50,206	55,911	55,153	10,071	11,686	13,542
California	72,642	88,197	117,670	136,409	135,676	28,829	27,931	29,366

[1] Figures for 1900 include Indian Territory.

Source: Bureau of the Census, Department of Commerce.

BY STATES, WITH AVERAGES AND PERCENTAGES

All land in farms (thousands of acres)—Continued		Crop land (thousands of acres)		Average acreage per farm				Per cent of total land area in farms				Division and State
1925	1930	1924	1929	1910	1920	1925	1930	1910	1920	1925	1930	
924,319	986,771	391,460	413,236	138.1	148.2	145.1	156.9	46.2	50.2	48.6	51.8	U. S.
15,858	14,283	4,624	4,015	104.4	108.5	99.4	114.3	49.7	42.8	40.0	36.0	N. E.
5,161	4,640	1,644	1,402	104.9	112.5	103.2	119.0	32.9	28.4	27.0	24.3	Me.
2,262	1,960	543	422	120.1	126.9	107.4	131.5	56.2	45.0	39.1	33.9	N. H.
3,926	3,896	1,150	1,128	142.6	145.7	141.3	156.5	79.0	72.5	67.2	66.7	Vt.
2,368	2,006	677	564	77.9	77.9	70.8	78.3	55.9	48.5	40.0	39.0	Mass.
300	279	76	68	83.8	81.2	79.0	84.1	54.9	48.6	45.3	40.9	R. I.
1,832	1,502	534	431	81.5	83.8	78.8	87.4	70.9	61.6	59.4	48.7	Conn.
37,491	35,047	18,645	16,955	92.2	95.4	89.5	98.0	67.5	63.4	58.6	54.8	M. A.
19,270	17,980	9,088	8,154	102.2	106.8	102.1	112.5	72.2	67.7	63.2	59.0	N. Y.
1,925	1,758	1,126	987	76.9	76.8	64.9	69.3	53.5	47.5	40.0	36.6	N. J.
16,296	15,309	8,431	7,814	84.8	87.3	81.3	88.8	64.8	61.5	56.8	53.4	Pa.
112,752	110,891	64,790	63,432	105.0	106.5	107.2	114.7	75.0	74.9	71.7	70.6	E. N. C.
22,219	21,514	11,695	11,269	88.6	91.6	90.8	98.1	92.5	90.2	85.2	82.5	Ohio.
19,915	19,689	11,981	11,722	98.8	102.7	101.7	108.4	92.3	91.3	86.3	85.3	Ind.
30,732	30,695	21,315	21,140	129.1	134.8	136.2	143.1	90.7	89.1	85.7	85.6	Ill.
18,035	17,119	9,671	9,094	91.5	96.9	93.8	101.1	51.5	51.7	49.0	46.5	Mich.
21,851	21,874	10,128	10,207	118.9	117.0	113.1	120.3	59.6	62.6	61.8	61.9	Wis.
248,081	265,488	138,827	150,285	209.6	234.3	223.2	238.6	71.2	78.6	75.9	81.2	W. N. C.
30,059	30,913	18,651	19,491	177.3	169.3	159.7	166.9	53.5	58.4	58.1	59.7	Minn.
33,281	34,019	21,998	22,738	156.3	156.8	155.9	158.3	95.4	94.1	93.6	95.6	Iowa.
32,642	33,743	15,278	15,646	124.8	132.2	125.3	131.8	78.6	79.1	74.2	76.7	Mo.
34,327	38,658	21,864	24,528	382.3	466.1	451.9	495.8	63.3	80.6	76.4	86.1	N. Dak.
32,018	36,470	16,441	19,003	335.1	464.1	402.6	438.6	52.9	70.4	65.1	74.1	S. Dak.
42,025	44,709	20,698	22,344	297.8	339.4	329.0	345.4	78.6	85.9	85.5	91.0	Nebr.
43,729	46,976	23,897	26,535	244.0	274.8	263.6	282.9	82.9	86.8	83.6	89.8	Kans.
88,569	86,363	34,649	34,066	93.3	84.4	79.9	81.6	60.3	56.8	51.4	50.2	S. A.
900	901	519	504	95.9	93.1	87.7	92.8	82.6	75.1	71.5	71.6	Del.
4,433	4,374	2,228	2,129	103.4	99.3	90.5	101.3	79.5	74.8	69.7	68.8	Md.
4	3	2	2	27.9	27.8	27.4	29.5	15.8	14.8	9.6	7.7	D. C.
17,210	16,729	5,368	5,059	105.9	99.7	88.8	98.1	75.7	72.0	66.8	64.9	Va.
8,980	8,802	1,921	1,907	103.7	109.6	99.4	106.5	65.2	62.2	58.4	57.3	W. Va.
18,594	18,055	6,857	7,012	88.4	74.2	65.6	64.5	71.9	64.2	59.6	57.9	N. C.
10,639	10,393	5,036	5,037	76.6	64.5	61.6	65.8	69.2	63.7	54.5	53.3	S. C.
21,945	22,079	10,696	10,447	92.6	81.9	88.1	86.4	71.7	67.7	58.4	58.7	Ga.
5,865	5,027	2,022	1,969	105.0	112.0	99.0	85.2	15.0	17.2	16.7	14.3	Fla.
70,607	72,818	28,817	30,247	78.2	75.0	70.2	68.6	71.0	68.7	61.5	63.4	E. S. C.
19,913	19,928	6,827	6,927	85.0	79.9	77.0	80.8	86.3	84.0	77.4	77.5	Ky.
17,901	18,003	7,589	7,666	81.5	77.2	70.8	73.3	75.1	73.1	67.1	67.5	Tenn.
16,739	17,555	7,092	8,199	78.9	76.4	70.4	68.2	63.2	59.7	51.0	53.5	Ala.
16,053	17,332	6,709	7,455	67.6	66.9	62.4	55.4	62.5	61.3	54.1	58.4	Miss.
165,013	183,908	56,809	64,747	179.3	174.1	162.2	166.7	61.5	63.1	60.0	66.9	W. S. C.
15,632	16,053	7,323	7,907	81.1	75.0	70.4	66.2	51.8	51.9	46.5	47.8	Ark.
8,338	9,355	4,279	4,741	86.6	74.0	66.7	57.9	35.9	34.5	30.4	32.2	La.
30,869	33,791	15,838	17,333	151.7	166.4	156.5	165.8	65.0	71.9	69.5	76.1	Okla.
109,674	124,707	29,369	34,766	269.1	261.5	235.5	251.7	67.0	67.9	65.3	74.3	Tex.
131,689	157,450	25,587	30,651	324.5	480.7	564.2	652.5	10.3	21.3	24.0	28.6	Mt.
32,736	44,659	8,474	11,399	516.7	608.1	697.9	940.3	14.5	37.5	35.0	47.8	Mont.
8,116	9,347	3,714	4,073	171.5	198.9	199.9	224.3	9.9	15.7	15.2	17.5	Idaho.
18,063	23,526	1,878	2,293	777.6	749.9	1,208.2	1,469.3	13.7	18.9	29.9	37.7	Wyo.
24,167	28,876	7,199	8,449	293.1	408.1	410.5	481.6	20.4	36.9	36.4	43.5	Colo.
27,850	30,822	1,785	1,799	315.9	817.9	878.9	981.5	14.4	31.1	35.5	39.3	N. Mex.
11,065	10,527	578	649	135.1	581.7	1,024.4	742.7	1.7	8.0	15.2	14.5	Ariz.
5,001	5,613	1,425	1,495	156.7	196.8	192.4	206.7	6.5	9.6	9.5	10.7	Utah.
4,091	4,081	534	494	1,009.6	745.2	1,053.5	1,185.6	3.9	3.4	5.8	5.8	Nev.
54,258	60,525	18,712	18,838	270.3	239.8	204.3	231.2	25.2	27.6	26.7	29.7	Pac.
12,610	13,534	6,084	6,275	208.4	199.8	172.1	190.9	27.4	31.0	29.5	31.6	Wash.
14,131	16,549	4,227	4,173	256.8	269.7	252.7	300.1	19.1	22.1	23.1	27.0	Oreg.
27,517	30,442	8,401	8,390	316.7	249.6	201.7	224.4	28.0	29.5	27.6	30.6	Calif.

No. 583.—VALUE OF FARM PROPERTY: ALL PROPERTY, LAND,

[All amounts in

Division and State	Value of all farm property[1]				Value of land			
	1900	1910	1920	1925	1910	1920	1925	1930
United States	20,439,901	40,991,449	77,923,652	57,017,740	28,476,674	54,829,563	37,721,018	34,929,845
New England	639,648	867,240	1,173,020	1,091,545	382,134	488,125	413,932	440,972
Maine	122,411	199,272	270,527	245,869	86,481	114,412	97,524	95,621
New Hampshire	85,842	103,704	118,656	107,084	44,519	47,425	37,226	32,179
Vermont	108,451	145,400	222,737	180,912	58,385	82,938	63,865	63,619
Massachusetts	182,647	226,474	300,472	293,405	105,533	127,654	110,437	118,200
Rhode Island	26,989	32,991	33,637	33,446	15,010	14,509	13,543	16,614
Connecticut	113,306	159,400	226,992	230,829	72,206	101,187	91,337	114,739
Middle Atlantic	2,310,687	2,959,589	3,949,884	3,478,716	1,462,321	1,661,676	1,332,457	1,282,272
New York	1,069,724	1,451,481	1,908,483	1,706,930	707,748	793,336	646,980	600,085
New Jersey	189,534	254,833	311,848	311,084	124,143	142,182	130,331	152,491
Pennsylvania	1,051,629	1,253,275	1,729,353	1,460,702	630,430	726,158	555,146	529,696
East North Central	5,683,925	10,119,128	17,245,363	12,592,988	7,231,699	12,046,074	7,989,004	6,189,552
Ohio	1,198,924	1,902,695	3,095,666	2,236,902	1,285,895	2,015,113	1,299,024	1,032,210
Indiana	978,616	1,809,135	3,042,311	1,931,742	1,328,197	2,202,566	1,268,777	958,634
Illinois	2,004,317	3,905,321	6,666,767	4,627,965	3,090,411	5,250,295	3,426,455	2,555,100
Michigan	690,350	1,088,858	1,763,335	1,523,977	615,258	959,187	704,871	638,023
Wisconsin	811,712	1,413,119	2,677,283	2,272,402	911,938	1,618,913	1,209,878	985,585
West North Central	5,920,994	13,535,310	27,991,035	18,879,178	10,052,561	21,340,145	13,303,048	11,643,370
Minnesota	788,685	1,476,412	3,787,420	2,761,684	1,019,102	2,750,328	1,796,600	1,453,960
Iowa	1,834,346	3,745,861	8,524,471	5,602,078	2,801,974	6,679,021	3,969,814	3,186,980
Missouri	1,033,122	2,052,917	3,591,068	2,286,639	1,445,982	2,594,193	1,562,725	1,305,949
North Dakota	255,267	974,814	1,759,743	1,191,037	730,380	1,279,314	813,722	720,077
South Dakota	297,525	1,106,097	2,823,870	1,658,921	902,607	2,231,432	1,201,015	1,033,288
Nebraska	747,950	2,079,819	4,201,656	2,874,478	1,614,539	3,330,222	2,125,792	2,048,664
Kansas	864,100	2,039,390	3,302,806	2,504,340	1,537,977	2,475,635	1,833,379	1,894,452
South Atlantic	1,454,031	2,951,201	6,132,918	4,659,177	1,883,350	4,000,882	2,930,771	2,578,136
Delaware	40,698	63,179	80,138	72,798	34,938	42,116	34,435	35,230
Maryland	204,645	286,167	463,638	397,093	163,452	259,904	207,274	198,454
Dist. of Columbia	11,535	8,477	5,928	5,003	7,194	4,156	3,564	6,140
Virginia	323,516	625,065	1,196,556	999,466	394,659	756,354	600,676	533,908
West Virginia	203,907	314,739	496,440	411,159	207,076	307,310	251,793	222,764
North Carolina	233,835	537,716	1,250,167	1,050,016	343,165	857,815	686,426	573,758
South Carolina	153,591	392,128	953,065	523,084	268,775	647,157	347,087	260,135
Georgia	228,375	580,546	1,350,685	686,673	370,353	897,445	433,649	394,892
Florida	53,929	143,183	330,302	513,884	93,738	228,425	415,869	352,855
East South Central	1,195,869	2,182,772	4,419,417	2,898,528	1,326,827	2,916,141	1,827,323	1,875,271
Kentucky	471,046	773,798	1,511,901	963,569	484,465	1,050,753	616,214	594,982
Tennessee	341,202	612,521	1,251,916	883,646	371,416	807,782	555,943	515,651
Alabama	179,400	370,138	690,849	500,740	216,944	415,764	308,664	354,039
Mississippi	204,221	426,315	964,752	550,571	254,002	641,842	347,002	410,599
West South Central	1,619,955	3,338,154	7,622,066	5,696,760	2,716,099	5,408,060	4,176,964	4,315,599
Arkansas	181,416	400,089	924,395	628,846	246,021	607,773	420,735	407,920
Louisiana	198,537	301,221	589,827	385,911	187,803	383,618	251,738	313,558
Oklahoma[2]	277,525	918,199	1,660,424	1,210,135	649,067	1,171,459	879,335	1,031,251
Texas	962,476	2,218,645	4,447,420	3,471,867	1,633,207	3,245,209	2,625,157	3,062,870
Mountain	801,264	1,757,573	4,083,138	2,758,216	1,174,370	2,801,712	1,838,980	2,038,198
Montana	117,860	347,529	985,961	574,897	226,771	691,912	389,514	442,941
Idaho	67,271	305,317	716,138	451,885	219,953	511,866	309,769	340,256
Wyoming	67,477	167,189	334,411	240,396	88,908	210,947	148,168	174,464
Colorado	161,045	491,472	1,076,795	712,285	362,822	763,723	493,974	510,955
New Mexico	53,768	159,448	325,186	236,301	98,806	196,341	152,033	180,721
Arizona	29,994	75,124	233,593	194,049	42,350	156,563	126,788	160,854
Utah	75,175	150,795	311,275	250,318	99,482	210,998	159,703	174,341
Nevada	28,674	60,399	99,780	98,086	35,277	59,362	59,031	53,666
Pacific	1,113,330	2,780,482	5,307,011	4,962,654	2,246,314	4,166,948	3,878,038	4,086,475
Washington	144,041	637,543	1,057,430	823,438	517,422	797,651	584,386	608,373
Oregon	172,761	528,244	818,560	714,410	411,696	686,242	505,141	501,947
California	796,528	1,614,695	3,431,022	3,424,786	1,317,195	2,783,055	2,788,511	2,976,155

[1] Value of livestock and of all farm property for 1930 are not yet available.
[2] Figures for 1900 include Indian Territory.

Source: Bureau of the Census, Department of Commerce.

Buildings, Implements and Machinery, and Livestock, By States

[thousands of dollars]

Value of buildings				Value of implements and machinery			Value of livestock [1]			Division and State
1910	1920	1925	1930	1920	1925	1930	1910	1920	1925	
6,325,452	11,486,440	11,746,629	12,949,994	3,594,773	2,691,704	3,301,663	4,925,174	8,012,876	4,858,389	U. S.
336,410	429,343	491,695	499,741	92,388	82,334	91,880	97,897	163,163	103,534	N. E.
73,138	89,697	99,746	98,659	26,638	24,491	28,383	25,162	39,780	24,108	Me.
41,397	42,571	49,407	45,177	9,499	8,988	8,912	11,910	19,161	11,463	N. H.
54,203	76,179	73,406	82,316	21,234	18,130	20,776	22,643	42,385	25,511	Vt.
88,636	119,934	144,166	143,023	19,360	17,044	18,730	20,741	33,524	21,758	Mass.
12,923	11,379	14,377	17,893	2,409	2,064	2,718	3,276	4,840	3,462	R. I.
66,113	89,084	110,594	112,673	13,248	11,616	12,371	14,164	23,473	17,282	Conn.
980,628	1,340,462	1,467,377	1,535,496	359,152	333,490	355,438	349,160	588,394	345,393	M. A.
476,998	631,726	720,145	715,820	169,807	169,385	173,606	183,091	313,555	170,419	N. Y.
92,991	108,141	132,205	146,355	25,459	23,452	27,078	24,589	36,065	25,095	N. J.
410,639	600,594	615,026	673,321	163,826	140,652	154,756	141,480	238,775	149,878	Pa.
1,642,292	2,891,568	3,054,655	3,167,238	786,077	567,871	626,208	976,330	1,521,644	1,001,458	E. N. C.
368,258	646,323	646,607	660,821	146,575	97,893	103,176	197,332	287,655	193,378	Ohio.
266,079	451,078	426,964	456,908	127,403	79,740	86,778	173,860	261,264	156,262	Ind.
432,381	747,699	773,004	780,949	222,620	147,104	160,413	308,804	446,154	281,402	Ill.
285,880	477,500	519,191	522,628	122,390	96,253	105,562	137,804	204,259	143,662	Mich.
289,694	568,969	688,889	745,932	167,089	146,883	170,279	158,529	322,312	226,754	Wis.
1,562,105	3,129,350	3,227,843	3,515,160	1,162,938	816,333	1,091,603	1,551,708	2,358,601	1,531,954	W. N. C.
243,339	550,840	597,142	671,134	181,088	137,966	181,767	161,641	305,164	229,977	Minn.
455,406	922,752	984,632	1,037,526	309,172	227,282	270,516	393,008	613,526	420,349	Iowa.
270,222	468,774	440,561	490,297	138,261	75,955	94,522	285,839	389,839	207,398	Mo.
92,277	209,208	206,381	231,149	114,187	76,631	118,744	108,250	157,035	94,303	N. D.
102,474	241,462	236,273	251,865	112,408	75,411	107,344	127,229	238,563	146,222	S. D.
198,808	381,885	398,282	446,539	153,104	111,799	150,925	222,222	336,444	238,605	Nebr.
199,580	354,429	364,572	386,650	154,717	111,288	167,785	253,524	318,025	195,100	Kans.
603,087	1,201,092	1,118,173	1,273,943	283,981	195,639	202,947	388,534	647,163	364,594	S. A.
18,218	22,640	25,241	31,711	6,781	5,906	7,285	5,817	8,601	7,217	Del.
78,786	126,693	134,087	157,716	28,970	22,885	25,082	32,570	48,071	32,848	Md.
1,037	1,421	1,231	1,003	104	108	93	153	246	100	D. C.
137,399	268,081	286,138	321,942	50,151	40,021	44,319	74,891	121,909	72,631	Va.
57,315	103,474	104,361	119,213	18,395	15,687	15,268	43,336	67,261	39,319	W. Va.
113,460	218,578	239,601	270,364	54,621	46,437	42,212	62,650	119,153	77,554	N. C.
64,113	106,327	110,536	119,055	48,062	23,105	21,425	45,131	91,518	42,357	S. C.
108,351	240,854	153,905	182,447	63,343	26,986	31,217	80,394	155,043	72,133	Ga.
24,408	53,025	63,073	70,492	13,552	14,504	15,446	20,591	35,301	20,439	Fla.
411,571	747,552	653,007	810,093	176,066	123,550	157,459	369,035	579,659	294,147	E. S. C.
150,995	254,406	231,213	276,467	48,355	30,629	36,547	117,487	158,387	85,513	Ky.
109,107	217,198	203,483	227,571	53,463	40,746	45,758	110,706	173,473	83,473	Tenn.
71,309	127,894	106,195	148,332	34,366	23,851	33,545	65,595	112,825	62,031	Ala.
80,160	148,054	112,116	157,723	39,881	28,323	41,609	75,247	134,974	63,129	Miss.
412,498	883,128	782,469	990,552	311,099	252,866	338,335	589,837	1,019,779	484,460	W. S. C.
63,145	145,337	119,992	139,909	43,432	31,255	33,116	74,058	127,853	56,865	Ark.
49,741	90,421	72,940	104,634	32,715	21,333	23,174	44,699	83,073	39,900	La.
89,611	192,406	169,422	211,472	80,631	58,379	92,858	152,433	215,928	102,998	Okla.
210,001	454,965	420,114	534,537	154,321	141,899	182,187	318,647	592,926	284,698	Tex.
145,027	361,476	334,002	420,285	190,716	129,257	210,944	388,747	729,234	455,977	Mt.
24,855	84,855	65,881	84,669	55,004	30,633	62,070	85,663	154,190	88,869	Mont.
25,113	69,646	63,557	76,994	38,417	26,526	39,749	49,775	96,209	52,033	Idaho.
9,007	23,801	24,508	32,388	11,778	9,172	17,618	65,606	87,885	58,548	Wyo.
45,097	102,291	93,481	118,392	49,805	33,473	50,241	70,161	160,977	86,357	Colo.
13,025	25,473	22,884	27,138	9,745	8,712	12,997	43,495	93,626	52,671	N. M.
4,936	15,763	17,226	23,377	8,821	6,928	10,414	26,051	52,447	43,107	Ariz.
18,063	32,754	32,499	46,882	13,515	10,097	13,636	28,782	54,008	48,019	Utah.
4,333	6,893	8,966	10,445	3,631	3,715	4,219	19,214	29,894	26,374	Nev.
231,833	502,489	617,409	737,486	232,358	190,365	228,889	235,927	405,237	278,822	Pac.
54,546	122,741	142,504	165,289	54,721	41,235	50,512	48,865	82,316	55,313	Wash.
43,880	88,971	110,927	128,881	41,567	35,643	42,586	59,462	101,779	62,699	Oreg.
133,406	290,756	363,977	443,316	136,069	113,488	135,741	127,600	221,141	158,810	Calif.

No. 584.—AVERAGE VALUES PER FARM AND PER ACRE: BY STATES

Division and State	Average value per farm (dollars)							Average value of land per acre (dollars)			
	All farm property[1]			Land and buildings							
	1910	1920	1925	1910	1920	1925	1930	1910	1920	1925	1930
United States	6,444	12,084	8,949	5,471	10,284	7,764	7,614	32.40	57.36	40.81	35.40
New England	4,593	7,492	6,844	3,806	5,860	5,678	7,530	19.38	28.73	26.10	30.87
Maine	3,320	5,009	4,914	2,660	4,232	3,943	4,981	13.73	21.09	18.89	20.61
New Hampshire	3,833	5,782	5,084	3,176	4,385	4,113	5,190	13.70	18.21	16.46	16.42
Vermont	4,445	7,661	6,511	3,442	5,473	4,940	5,861	12.52	19.58	16.27	16.33
Massachusetts	6,135	9,389	8,770	5,260	7,737	7,611	10,205	36.69	51.17	40.64	58.94
Rhode Island	6,234	8,238	8,552	5,278	6,463	7,139	10,388	33.86	43.75	43.83	50.47
Connecticut	5,944	10,019	9,932	5,158	8,399	8,689	13,226	33.03	53.28	49.85	76.38
Middle Atlantic	6,319	9,290	8,305	5,216	7,061	6,684	7,880	33.86	40.96	35.54	36.59
New York	6,732	9,879	9,043	5,495	7,376	7,243	8,234	32.13	38.45	33.57	33.38
New Jersey	7,610	10,400	10,434	6,484	8,428	8,848	11,776	48.23	62.20	67.72	86.74
Pennsylvania	5,715	8,551	7,287	4,747	6,560	5,838	6,977	33.92	41.12	34.07	34.60
East North Central	9,007	15,898	11,975	7,899	13,771	10,483	9,680	61.32	102.31	70.68	55.64
Ohio	6,994	12,060	9,141	6,080	10,368	7,951	7,720	53.34	85.69	58.46	47.98
Indiana	8,396	14,831	9,867	7,399	12,937	8,961	7,796	62.36	104.57	63.71	48.69
Illinois	15,505	28,108	20,514	13,986	25,289	18,615	15,553	95.02	164.20	111.49	83.24
Michigan	5,261	8,976	7,924	4,354	7,313	6,676	6,853	32.48	50.40	42.41	37.27
Wisconsin	7,978	14,143	11,765	6,784	11,558	9,830	9,526	43.30	73.09	55.37	45.06
West North Central	12,195	25,517	16,988	10,464	22,307	14,875	13,623	43.21	83.04	53.62	43.86
Minnesota	9,456	21,221	14,672	8,085	18,496	12,717	11,471	36.82	91.00	59.77	47.03
Iowa	17,259	39,939	26,240	15,008	35,616	23,207	19,655	82.58	199.52	119.28	93.68
Missouri	7,405	13,654	8,779	6,190	11,646	7,691	7,018	41.80	74.60	47.87	38.70
North Dakota	13,109	22,651	15,078	11,063	19,160	13,428	12,199	25.69	35.33	23.70	18.63
South Dakota	15,018	37,835	20,857	12,945	33,132	18,071	15,455	34.69	64.42	37.51	28.33
Nebraska	16,038	33,771	22,504	13,983	29,836	19,760	19,274	41.80	78.87	50.58	45.32
Kansas	11,467	19,982	15,097	9,770	17,122	13,250	13,738	35.45	54.50	41.93	40.33
South Atlantic	2,654	5,292	4,205	2,236	4,488	3,699	3,639	18.15	40.92	33.65	29.85
Delaware	5,830	7,903	7,097	4,905	6,386	5,818	6,896	33.63	44.59	38.28	39.11
Maryland	5,849	9,678	8,104	4,941	8,070	6,966	8,244	32.32	54.62	46.75	45.37
District of Columbia	39,062	29,059	35,992	37,932	27,340	34,500	68,690	1,186.53	733.27	934.71	999.57
Virginia	3,397	6,425	5,159	2,891	5,501	4,578	5,016	20.24	40.75	34.90	31.92
West Virginia	3,255	5,687	4,549	2,735	4,706	3,941	4,135	20.65	32.11	28.04	25.31
North Carolina	2,119	4,634	3,704	1,800	3,990	3,267	3,018	15.29	42.84	36.92	31.78
South Carolina	2,223	4,946	3,028	1,887	4,222	2,649	2,401	19.89	52.08	32.62	25.03
Georgia	1,995	4,366	2,757	1,647	3,663	2,359	2,259	13.74	35.28	19.76	17.39
Florida	2,863	6,116	8,678	2,362	5,212	8,088	7,179	17.84	37.78	70.91	70.20
East South Central	2,094	4,203	2,881	1,668	3,484	2,486	2,528	16.28	36.96	25.89	25.75
Kentucky	2,986	5,587	3,727	2,452	4,823	3,278	3,535	21.83	48.62	30.95	29.86
Tennessee	2,490	4,953	3,497	1,953	4,055	3,006	3,025	18.53	41.40	31.06	28.64
Alabama	1,408	2,698	2,107	1,096	2,123	1,746	1,952	10.46	21.24	18.44	20.17
Mississippi	1,554	3,546	2,140	1,218	2,903	1,785	1,818	13.69	35.27	21.62	23.69
West South Central	4,069	7,652	5,600	3,317	6,316	4,875	5,263	16.06	31.18	25.31	26.19
Arkansas	1,864	3,974	2,833	1,440	3,238	2,436	2,261	14.13	34.82	26.91	25.41
Louisiana	2,499	4,364	2,914	1,971	3,499	2,451	2,590	17.99	38.29	28.49	33.52
Oklahoma	4,828	8,649	6,136	3,884	7,104	5,318	6,096	22.49	36.66	28.49	30.52
Texas	5,311	10,200	7,456	4,412	8,486	6,540	7,260	14.53	28.46	23.94	24.56
Mountain	9,581	16,727	11,818	7,192	12,956	9,310	10,188	19.73	23.88	13.96	12.95
Montana	13,269	17,095	12,257	9,599	13,468	9,709	11,109	16.74	19.73	11.90	9.92
Idaho	9,911	17,008	11,132	7,955	13,811	9,197	10,012	41.63	61.11	38.17	36.40
Wyoming	15,217	21,235	15,497	8,912	14,907	11,132	12,919	10.41	17.86	7.94	7.42
Colorado	10,645	17,966	12,277	8,848	14,449	10,211	10,497	26.81	31.22	20.44	17.69
New Mexico	4,469	10,896	7,457	3,135	7,432	5,520	6,619	8.77	8.04	5.46	5.86
Arizona	8,142	23,418	17,964	5,125	17,276	13,332	12,999	33.97	26.98	11.46	15.28
Utah	6,957	12,130	9,631	5,423	9,499	7,395	8,145	29.28	41.78	31.94	31.06
Nevada	22,462	31,546	25,260	14,730	20,947	17,512	18,628	12.99	25.18	14.43	13.15
Pacific	14,643	23,664	18,686	13,050	19,941	16,926	18,431	43.76	74.21	71.47	67.52
Washington	11,346	15,952	11,239	10,179	13,885	9,921	10,911	44.18	60.22	46.34	44.95
Oregon	11,609	16,304	12,778	10,012	13,449	11,019	11,438	35.23	43.29	35.75	30.33
California	18,308	29,158	25,107	16,447	26,122	23,111	25,203	47.16	94.77	101.34	97.76

[1] Data for 1930 are not yet available.

Source: Bureau of the Census, Department of Commerce.

No. 585.—NUMBER OF FARMS: By Size and by States

Division and State	Total	Under 20 acres	20 to 49 acres	50 to 99 acres	100 to 174 acres	175 to 259 acres	260 to 499 acres	500 to 999 acres	1,000 acres and over
United States:									
1900	5,737,372	673,870	1,257,496	1,360,038	1,422,262	490,069	377,951	102,526	47,160
1910	6,361,502	839,166	1,414,376	1,438,069	1,516,286	534,191	443,984	125,295	50,135
1920	6,448,343	796,535	1,503,732	1,474,745	1,449,630	530,800	475,677	149,819	67,405
1925	6,371,640	966,584	1,480,643	1,421,078	1,383,777	503,417	438,961	143,852	63,328
1930	6,288,648	918,131	1,440,378	1,374,965	1,342,927	520,693	451,338	159,696	80,620
New England	124,925	19,977	20,284	29,740	30,658	13,774	8,329	1,773	392
Maine	39,006	3,507	5,211	11,227	11,640	4,514	2,331	454	92
New Hampshire	14,906	1,870	2,314	3,584	3,670	1,803	1,221	354	90
Vermont	24,898	2,097	2,268	4,120	7,396	4,535	3,195	590	88
Massachusetts	25,598	7,589	5,869	5,491	3,982	1,505	877	211	74
Rhode Island	3,322	850	729	817	572	193	118	32	11
Connecticut	17,195	3,464	3,893	4,492	3,396	1,194	587	132	37
Middle Atlantic	357,603	53,337	56,885	100,639	98,313	32,186	13,744	1,666	333
New York	169,806	19,428	21,531	41,529	47,966	19,095	9,093	995	169
New Jersey	25,378	7,587	5,425	5,732	4,946	1,156	425	72	35
Pennsylvania	172,419	26,322	29,929	53,378	45,901	11,935	4,226	599	129
East North Central	966,502	92,339	135,908	280,162	301,247	109,222	51,631	5,301	692
Ohio	219,296	24,909	33,734	71,160	63,920	17,790	6,388	701	104
Indiana	181,570	19,603	27,866	52,199	53,155	18,731	8,949	953	114
Illinois	214,497	16,839	21,054	41,673	72,347	38,124	21,604	2,061	190
Michigan	169,372	12,235	32,184	57,749	47,723	13,403	5,275	636	167
Wisconsin	181,767	8,753	20,470	57,376	64,102	21,174	8,915	860	117
West North Central	1,118,755	65,180	82,749	159,211	337,884	174,206	202,614	68,644	28,287
Minnesota	185,255	8,163	14,966	33,150	66,698	33,094	25,851	3,100	233
Iowa	214,928	15,522	12,178	32,209	84,722	42,615	25,546	2,002	134
Missouri	255,940	22,103	39,787	60,119	74,138	33,792	21,658	3,760	583
North Dakota	77,975	703	826	1,351	9,641	5,505	33,450	21,066	5,433
South Dakota	83,157	1,626	1,537	3,038	18,034	10,739	29,559	13,401	5,223
Nebraska	129,458	6,039	4,191	10,118	41,731	23,010	28,135	10,240	5,974
Kansas	166,042	11,004	9,264	19,226	42,920	25,481	38,385	15,065	4,707
South Atlantic	1,058,468	192,373	345,857	262,862	157,143	54,079	33,470	9,615	3,069
Delaware	9,707	1,319	2,062	2,815	2,305	776	371	51	8
Maryland	43,203	8,425	7,335	9,521	10,341	4,370	2,252	389	70
Dist. of Columbia	104	66	30	3	1	2	1	1	-------
Virginia	170,610	33,558	41,361	40,242	31,258	12,443	8,600	2,483	665
West Virginia	82,641	11,364	16,755	23,990	18,049	6,865	4,169	1,113	336
North Carolina	279,708	57,903	97,492	72,673	35,082	9,604	4,930	1,121	303
South Carolina	157,931	35,916	63,297	33,318	15,448	4,919	3,403	1,167	468
Georgia	255,598	26,049	97,150	69,751	37,853	12,976	8,180	2,722	917
Florida	58,966	17,773	19,875	10,549	6,206	2,124	1,559	568	312
East South Central	1,062,214	229,788	361,738	234,993	140,103	43,313	24,568	5,895	1,816
Kentucky	246,499	50,694	56,673	57,210	47,908	14,870	7,437	1,407	300
Tennessee	245,657	46,535	77,655	63,382	38,183	11,925	5,344	1,312	261
Alabama	257,395	38,755	115,123	59,317	27,889	8,285	5,259	1,527	640
Mississippi	312,663	93,754	132,277	44,584	26,123	8,133	5,528	1,649	615
West South Central	1,103,134	158,202	326,965	244,315	212,422	68,182	61,435	21,391	14,722
Arkansas	242,334	48,680	98,162	49,921	30,492	8,665	4,985	1,091	338
Louisiana	161,445	46,248	75,082	22,550	10,379	3,026	2,511	979	670
Oklahoma	203,866	12,172	33,055	48,362	64,685	17,505	20,704	5,490	1,833
Texas	495,489	46,102	120,666	123,482	106,866	38,926	33,235	14,331	11,881
Mountain	241,314	34,966	27,638	23,319	36,631	14,220	39,517	33,503	26,520
Montana	47,495	1,610	1,477	2,101	5,551	2,496	11,432	12,267	10,561
Idaho	41,674	4,618	7,091	9,010	8,547	3,377	5,084	2,702	1,245
Wyoming	16,011	477	486	1,039	2,194	989	2,966	3,795	4,085
Colorado	59,956	7,452	4,728	5,990	10,499	3,952	11,100	8,982	5,253
New Mexico	31,404	8,389	4,211	2,524	3,472	1,138	4,008	3,726	3,436
Arizona	14,173	4,930	2,872	1,822	1,984	442	724	681	718
Utah	27,159	6,617	6,268	5,235	3,805	1,017	1,794	1,030	793
Nevada	3,442	373	505	538	579	229	409	320	489
Pacific	261,733	86,989	62,354	34,724	23,028	11,411	16,030	11,408	10,789
Washington	70,904	23,394	16,833	9,414	7,774	2,768	4,464	3,518	2,739
Oregon	55,153	12,666	10,573	8,932	8,693	3,667	4,597	3,029	2,996
California	135,676	50,929	34,948	16,378	11,561	4,976	6,969	4,861	5,054

Source: Bureau of the Census, Department of Commerce.

No. 586.—NUMBER AND ACREAGE OF FARMS: BY SIZE, FOR EACH DIVISION

NOTE.—For totals for United States see Tables 585 and 588

Items, year, and division	Total	Under 20 acres	20 to 49 acres	50 to 99 acres	100 to 174 acres	175 to 499 acres	500 to 999 acres	1,000 acres and over
	Number of farms							
New England:								
1900	191,888	28,018	33,805	49,389	48,039	30,007	2,133	497
1920	156,564	25,886	27,117	38,036	37,993	25,173	1,916	443
1925	159,489	30,385	29,271	38,368	36,799	22,744	1,544	378
1930	124,925	19,977	20,284	29,740	30,656	22,103	1,773	392
Middle Atlantic:								
1900	485,618	75,165	84,330	142,341	129,501	51,815	1,907	559
1920	425,147	65,725	70,492	120,323	116,009	50,437	1,736	425
1925	418,868	74,437	71,373	117,598	108,546	45,213	1,413	288
1930	357,603	53,337	56,885	100,639	98,813	45,930	1,666	333
East North Central:								
1900	1,135,823	100,071	230,411	350,291	301,629	146,901	5,569	951
1920	1,084,744	90,703	172,052	335,439	325,390	155,489	4,912	759
1925	1,051,572	96,958	168,002	319,425	311,568	150,504	4,472	643
1930	966,502	82,339	135,908	280,162	301,247	160,853	5,301	692
West North Central:								
1900	1,060,744	47,650	110,718	212,600	354,794	288,187	36,186	10,609
1920	1,096,951	46,093	81,820	170,896	351,003	366,438	60,561	20,140
1925	1,111,314	59,990	89,327	170,617	351,199	363,535	53,840	17,306
1930	1,112,755	65,160	82,749	159,211	337,884	376,820	68,044	22,287
South Atlantic:								
1900	902,225	147,165	265,623	216,522	181,290	128,541	17,191	5,893
1920	1,158,976	187,326	401,259	280,114	175,311	99,833	11,269	3,864
1925	1,108,061	233,729	354,421	255,439	160,805	90,252	10,076	3,339
1930	1,058,468	192,373	345,857	262,862	157,143	87,549	9,615	3,069
East South Central:								
1900	903,313	153,359	280,010	204,914	159,531	92,783	9,777	2,939
1920	1,051,600	203,187	373,138	235,444	152,992	77,078	7,245	2,516
1925	1,006,052	224,494	346,230	222,577	138,159	66,571	6,077	1,944
1930	1,062,214	229,788	381,738	234,993	140,103	67,881	5,895	1,816
West South Central:								
1900	754,853	84,898	218,431	161,611	178,015	82,662	15,047	14,139
1920	996,088	97,878	296,729	235,213	212,167	120,429	19,717	13,955
1925	1,017,305	135,318	297,911	235,016	205,986	112,675	18,063	12,336
1930	1,103,134	153,202	326,965	244,315	212,422	129,617	21,891	14,722
Mountain:								
1900	101,327	16,366	12,685	11,243	33,963	17,553	4,932	4,585
1920	244,109	22,071	25,392	26,896	45,855	77,982	30,005	15,908
1925	233,392	26,678	26,892	27,522	40,306	62,076	31,877	18,041
1930	241,314	34,966	27,638	28,319	36,631	53,737	33,503	26,520
Pacific:								
1900	141,581	21,178	21,433	17,127	35,500	29,571	9,784	6,988
1920	234,164	57,666	55,733	32,384	32,910	33,618	12,468	9,395
1925	265,587	84,595	66,716	34,516	30,409	28,808	11,490	9,053
1930	261,733	86,989	62,354	34,724	28,028	27,441	11,408	10,789
	Acreage in farms (thousands of acres)							
All land in farms, 1930:								
New England	14,283	183	672	2,112	3,933	5,650	1,099	634
Middle Atlantic	35,047	500	1,907	7,264	12,600	11,167	1,037	582
East North Central	110,891	768	4,791	21,138	39,939	39,812	3,274	1,169
West North Central	265,488	553	2,882	12,195	48,428	109,191	46,959	45,280
South Atlantic	86,363	2,116	11,040	17,922	19,756	22,663	6,232	6,634
East South Central	72,818	2,782	11,746	16,258	17,754	17,235	3,807	3,236
West South Central	183,906	1,828	10,360	17,195	28,611	35,483	14,719	75,710
Mountain	157,450	267	923	2,106	5,320	17,409	23,852	107,573
Pacific	60,525	711	1,938	2,494	3,866	8,189	7,940	35,387
Crop land harvested, 1929:								
New England	3,659	87	243	661	1,117	1,323	173	55
Middle Atlantic	14,324	280	966	3,534	5,466	3,775	238	85
East North Central	56,644	321	2,206	10,786	20,937	20,705	1,379	310
West North Central	138,716	239	1,358	6,425	29,117	65,300	24,029	12,248
South Atlantic	27,520	1,411	6,580	7,278	5,711	4,911	997	632
East South Central	25,148	2,109	7,592	6,260	4,731	3,517	579	360
West South Central	56,837	1,451	7,574	9,882	14,442	15,354	4,748	3,386
Mountain	23,279	172	564	1,202	2,266	5,935	5,706	7,434
Pacific	13,115	440	1,119	1,196	1,368	2,614	2,142	4,236

Source: Bureau of the Census, Department of Commerce.

No. 587.—NUMBER OF FARMS: By Size and by Tenure and Color of Operator

Size of farm, tenure, and color	1890	1900	1910	1920	1925	1930
BY SIZE						
Number, total	4,564,641	5,737,372	6,361,502	6,448,343	6,371,640	6,288,648
Under 10 acres	150,194	267,229	335,043	288,772	378,535	358,504
10 to 19 acres	265,550	406,641	504,123	507,763	588,049	559,027
20 to 49 acres	902,777	1,257,496	1,414,376	1,503,732	1,450,043	1,440,378
50 to 99 acres	1,121,485	1,366,038	1,438,069	1,474,745	1,421,078	1,374,965
100 to 499 acres	2,008,694	2,290,282	2,494,461	2,456,107	2,326,155	2,314,358
100 to 174 acres	----------	1,422,262	1,516,280	1,449,630	1,383,777	1,342,927
175 to 259 acres	----------	490,069	534,191	530,800	503,417	520,593
260 to 499 acres	----------	377,951	443,984	475,677	438,961	451,338
500 to 999 acres	84,395	102,526	125,295	142,819	143,852	150,696
1,000 acres and over	31,546	47,160	50,135	67,405	63,328	80,620
Per cent distribution, total	100.0	100.0	100.0	100.0	100.0	100.0
Under 10 acres	3.3	4.7	5.3	4.5	5.9	5.7
10 to 19 acres	5.8	7.1	7.9	7.9	9.2	8.9
20 to 49 acres	19.8	21.9	22.2	23.3	22.8	22.9
50 to 99 acres	24.6	23.8	22.6	22.9	22.3	21.9
100 to 499 acres	44.0	39.9	39.2	38.1	36.5	36.8
100 to 174 acres	----------	24.8	23.8	22.5	21.7	21.3
175 to 259 acres	----------	8.5	8.4	8.2	7.9	8.3
260 to 499 acres	----------	6.6	7.0	7.4	6.9	7.2
500 to 999 acres	1.8	1.8	2.0	2.3	2.3	2.5
1,000 acres and over	.7	.8	.8	1.0	1.0	1.3
BY TENURE						
Owners and managers, total	3,269,728	3,712,408	4,006,826	3,993,539	3,909,032	3,824,283
Owners	----------	3,653,323	3,948,722	3,925,060	3,868,332	3,768,304
Owning entire farm	----------	3,201,947	3,354,897	3,366,510	3,313,490	2,911,644
Hiring additional land	----------	451,376	593,825	558,580	554,842	856,750
Managers	----------	59,085	58,104	68,449	40,700	55,889
Tenants, total	1,294,913	2,024,964	2,354,676	2,454,804	2,462,608	2,464,305
Cash tenants	----------	----------	[1] 712,294	480,009	393,452	489,210
Northern and Western States	----------	----------	----------	----------	210,838	251,178
Number related to landlord	----------	----------	----------	----------	56,085	[2]
Other tenants	----------	----------	[1] 1,632,382	1,974,795	2,069,156	2,175,155
Northern and Western States	----------	----------	----------	----------	650,471	622,404
Number related to landlord	----------	----------	----------	----------	189,373	[2]
Per cent distribution, total	100.0	100.0	100.0	100.0	100.0	100.0
Owners	71.6	63.7	62.1	60.9	60.7	56.7
Managers		1.0	.9	1.1	.6	.9
Tenants	28.4	35.3	37.0	38.1	38.6	42.4
BY COLOR AND TENURE OF FARMER						
White farmers, total	----------	4,969,608	5,440,619	5,498,454	[3] 5,540,185	[3] 5,406,961
Owners, total	----------	3,446,806	3,707,501	3,691,868	3,673,792	3,386,375
Owning entire farm	----------	3,025,931	3,159,088	3,174,109	3,153,839	2,771,148
Hiring add'tional land	----------	420,875	548,413	517,759	519,953	615,227
Managers	----------	57,261	56,560	66,223	40,033	55,060
Tenants, total	----------	1,465,541	1,676,558	1,740,363	1,826,360	1,965,526
Cash tenants	----------	----------	[1] 447,851	373,835	314,692	391,290
Other tenants	----------	----------	[1] 1,228,707	1,366,528	1,511,668	1,574,236
Colored farmers, total	----------	767,764	920,883	949,889	[4] 831,455	[4] 881,687
Owners, total	----------	206,517	241,221	233,222	194,540	182,019
Owning entire farm	----------	176,016	195,809	192,401	159,651	140,496
Hiring additional land	----------	30,501	45,412	40,821	34,889	41,523
Managers	----------	1,824	1,544	2,226	667	829
Tenants, total	----------	559,423	678,118	714,441	636,248	698,830
Cash tenants	----------	----------	[1] 264,443	106,174	78,790	97,920
Other tenants	----------	----------	[1] 413,675	608,267	557,488	600,919
COLORED FARMERS, BY RACE						
Total	----------	767,764	920,883	949,889	[4] 831,455	[4] 881,687
Negroes	----------	746,715	893,370	925,708	[5]	[5]
Indians	----------	19,910	24,251	16,680	[5]	[5]
Japanese	----------	39	2,502	6,892	[5]	[5]
Chinese	----------	1,100	760	609	[5]	[5]

[1] Standing renters included with "Cash tenants" in 1910; thereafter, with "Other tenants."
[2] Not yet available. [3] Includes the few colored farmers in the north and the west.
[4] The South only. [5] Separate data not available.

Source: Bureau of the Census, Department of Commerce.

No. 588.—ACREAGE OF FARM LAND: BY SIZE OF FARM AND BY TENURE AND COLOR OF OPERATOR

[Acreage in thousands]

Size of farm, tenure, and color	Acreage				Per cent distribution			
	1910	1920	1925	1930	1910	1920	1925	1930
BY SIZE OF FARM								
All farm land, total	878,798	955,884	924,319	986,771	100.0	100.0	100.0	100.0
Under 20 acres	8,794	8,689	10,156	9,698	1.0	.9	1.1	1.0
20 to 49 acres	45,378	48,464	46,406	46,251	5.2	5.1	5.0	4.7
50 to 99 acres	103,121	105,631	101,907	98,685	11.7	11.1	11.0	10.0
100 to 174 acres	205,481	194,661	185,710	180,214	23.4	20.4	20.1	18.3
175 to 499 acres	265,289	276,807	258,362	266,786	30.2	29.0	28.0	27.0
500 to 999 acres	83,653	100,976	99,230	108,924	9.5	10.6	10.7	11.0
1,000 acres and over	167,082	220,636	222,549	276,213	19.0	23.1	24.1	28.0
Crop land harvested, total [1] [2]	[2] 478,452	[2] 503,073	344,549	359,242	[2] 100.0	[2] 100.0	100.0	100.0
Under 20 acres	7,992	7,804	7,342	6,490	1.7	1.6	2.1	1.8
20 to 49 acres	56,596	58,503	29,384	28,202	7.6	7.7	8.5	7.9
50 to 99 acres	71,165	72,622	50,199	47,225	14.9	14.4	14.6	13.1
100 to 174 acres	128,854	128,201	88,503	85,154	26.9	25.5	25.7	23.7
175 to 499 acres	161,776	170,075	117,875	123,433	33.8	33.8	34.2	34.4
500 to 999 acres	40,817	48,135	32,557	39,992	8.5	9.6	9.4	11.1
1,000 acres and over	31,263	37,729	18,691	28,746	6.5	7.5	5.4	8.0
BY TENURE								
All farm land, total	878,798	955,884	924,319	986,771	100.0	100.0	100.0	100.0
Owners	598,555	636,775	616,336	618,376	68.1	66.6	66.7	62.7
Owning entire farm	464,923	461,250	419,446	372,450	52.9	48.3	45.4	37.7
Hiring additional land	133,631	175,525	196,890	245,926	15.2	18.4	21.3	24.9
Managers	53,731	54,129	43,097	61,986	6.1	5.7	4.7	6.3
Tenants	226,513	264,980	264,886	306,409	25.8	27.7	28.7	31.0
Cash tenants	[2] 67,847	65,095	54,190	71,370	[3] 7.7	6.8	5.9	7.2
Other tenants	[3] 158,666	199,885	210,696	235,039	[3] 18.0	20.9	22.8	23.8
Crop land, harvested, total [2]	[2] 478,452	[2] 503,073	344,549	359,242	[2] 100.0	[2] 100.0	100.0	100.0
Owners	309,850	314,107	199,408	201,750	64.8	62.4	57.9	56.2
Owning entire farm	233,809	235,132	138,650	124,328	48.9	46.7	40.2	34.6
Hiring additional land	76,042	78,975	60,758	77,422	15.9	15.7	17.6	21.6
Managers	12,314	13,211	5,299	6,920	2.6	2.6	1.5	1.9
Tenants	156,287	175,755	139,842	150,572	32.7	34.9	40.6	41.9
Cash tenants	[3] 41,566	54,397	19,198	23,586	[3] 8.7	6.8	5.6	6.6
Other tenants	[3] 114,721	141,357	120,645	126,986	[3] 24.0	28.1	35.0	35.3
BY COLOR OF FARMER								
All farm land, total	878,798	955,884	924,319	986,771	100.0	100.0	100.0	100.0
White farmers	832,166	910,939	[4]	945,683	94.7	95.3	[4]	95.8
Colored farmers	46,632	44,945	[4]	41,088	5.3	4.7	[4]	4.2
Crop land harvested, total [2]	[2] 478,452	[2] 503,073	344,549	359,242	[2] 100.0	[2] 100.0	100.0	100.0
White farmers	449,418	473,775	[4]	[5] 338,516	93.9	94.2	[4]	[5] 94.2
Colored farmers	29,033	29,298	[4]	[6] 20,726	6.1	5.8	[4]	[6] 5.8

[1] The classification by size in this section of the table as in the preceding section, is based on the entire area of the farm.
[2] All data shown for 1910 and 1920 represent improved land. Data for improved land was not called for on the schedules of 1925 and 1930.
[3] Standing renters included with "Cash tenants" in 1910; thereafter, with "Other tenants".
[4] Not available.
[5] Includes the few colored farmers in the North and the West.
[6] South only.

Source: Bureau of the Census, Department of Commerce.

No. 589.—NUMBER OF FARMS: BY TENURE AND BY STATES

NOTE.—Total number of farms (all tenures combined) in Table 582. Acreage by tenure in Table 590

Division and State	Number of farms operated by—								
	Owners			Managers			Tenants		
	1920	1925	1930	1920	1925	1930	1920	1925	1930
United States	3,925,090	3,868,332	3,563,394	68,449	40,700	55,889	2,454,804	2,462,608	2,664,365
New England	140,160	148,159	114,104	4,802	2,462	2,936	11,602	8,868	7,885
Maine	45,437	47,984	36,748	786	350	503	2,004	1,699	1,755
New Hampshire	18,604	19,895	13,755	546	156	355	1,373	1,014	796
Vermont	25,121	24,889	22,009	568	307	480	3,386	2,590	2,409
Massachusetts	28,087	30,870	23,198	1,627	979	958	2,287	1,605	1,442
Rhode Island	3,245	3,263	2,808	205	176	99	633	472	415
Connecticut	19,666	21,258	15,586	1,070	494	541	1,919	1,488	1,068
Middle Atlantic	327,104	348,179	299,095	9,853	4,465	6,053	88,190	66,224	52,455
New York	151,717	159,949	136,041	4,376	2,261	2,652	37,102	26,544	21,113
New Jersey	21,889	24,535	20,771	987	413	659	6,826	4,723	3,948
Pennsylvania	153,498	163,695	142,283	4,490	1,791	2,742	44,262	34,957	27,394
East North Central	766,786	771,878	693,892	13,551	6,606	8,833	304,407	273,090	263,977
Ohio	177,986	181,347	150,849	3,065	1,060	1,843	75,644	62,296	57,604
Indiana	137,210	137,429	125,517	2,329	1,268	1,478	65,587	57,089	54,575
Illinois	132,574	129,074	119,892	3,411	1,877	2,123	101,196	94,650	92,482
Michigan	159,406	161,974	141,647	2,319	1,234	1,530	34,722	29,119	26,195
Wisconsin	159,610	162,052	146,987	2,427	1,167	1,859	27,258	29,936	33,121
West North Central	711,156	685,797	661,115	10,778	5,569	7,471	375,019	419,948	444,169
Minnesota	132,744	136,382	126,570	1,596	766	1,047	44,138	51,083	57,633
Iowa	121,888	116,444	111,333	2,487	1,650	1,980	89,064	95,396	101,615
Missouri	185,030	174,383	165,318	2,247	1,063	1,546	75,727	85,027	89,076
North Dakota	56,917	49,513	50,105	855	361	470	19,918	26,096	27,400
South Dakota	47,815	46,160	45,609	781	331	454	26,041	33,046	37,094
Nebraska	69,672	67,766	67,418	1,315	669	1,020	53,430	59,209	61,020
Kansas	97,090	95,149	94,762	1,495	729	954	66,701	70,001	70,326
South Atlantic	607,089	609,304	539,930	9,799	6,137	8,984	542,088	492,820	509,574
Delaware	6,010	6,515	6,260	144	74	165	3,986	3,668	3,282
Maryland	32,805	35,138	30,823	1,262	936	939	13,841	12,927	11,441
District of Columbia	100	81	59	19	19	21	85	39	24
Virginia	136,363	143,587	121,104	2,134	1,238	1,536	47,745	48,898	47,970
West Virginia	72,101	74,943	66,573	1,090	602	721	14,098	14,775	15,347
North Carolina	151,376	154,805	141,445	928	423	648	117,459	128,254	137,615
South Carolina	67,724	59,909	54,470	738	368	693	124,231	112,430	102,768
Georgia	102,123	88,680	79,802	1,665	1,407	1,406	206,954	159,008	174,390
Florida	38,487	45,586	39,394	1,829	1,010	2,835	13,689	12,621	16,737
East South Central	525,808	497,825	485,348	3,506	1,731	2,888	522,286	506,496	593,978
Kentucky	179,327	175,442	157,403	969	281	675	90,330	82,801	88,421
Tennessee	148,082	148,627	131,526	807	324	611	103,885	103,718	113,520
Alabama	107,089	92,948	90,372	741	448	603	148,269	144,235	166,420
Mississippi	91,310	80,808	86,047	989	678	999	179,802	175,742	225,617
West South Central	464,328	412,064	410,397	5,013	3,058	5,506	526,747	602,183	687,231
Arkansas	112,647	95,476	89,009	736	616	634	119,221	125,899	152,691
Louisiana	57,254	52,386	53,159	828	503	735	77,381	79,561	107,551
Oklahoma	93,217	81,226	77,714	935	494	823	97,836	115,498	125,329
Texas	201,210	182,976	190,515	2,514	1,445	3,314	232,309	281,225	301,660
Mountain	202,515	179,198	178,898	4,116	2,410	3,590	37,478	51,784	58,826
Montana	50,271	36,281	35,353	899	367	514	6,507	10,256	11,628
Idaho	34,647	30,195	30,512	758	511	603	6,701	9,886	10,559
Wyoming	13,403	12,545	12,195	377	191	296	1,968	2,776	3,520
Colorado	45,291	39,517	38,426	880	585	838	13,763	17,918	20,692
New Mexico	25,756	26,005	24,740	433	256	334	3,655	5,426	6,330
Arizona	7,869	8,179	11,294	305	296	548	1,801	2,327	2,331
Utah	22,579	23,013	23,608	296	90	230	2,787	2,889	3,321
Nevada	2,699	3,463	2,770	168	114	227	296	306	445
Pacific	180,144	215,930	205,615	7,033	8,262	9,848	46,987	41,395	46,270
Washington	52,701	60,389	57,588	1,168	935	1,238	12,419	11,943	12,078
Oregon	39,863	45,887	44,521	916	618	842	9,427	9,406	9,790
California	87,580	109,654	103,506	4,949	6,709	7,768	25,141	20,046	24,402

Source: Bureau of the Census, Department of Commerce.

No. 590.—FARM ACREAGE, TOTAL AND CROP LAND HARVESTED: BY TENURE AND BY STATES

NOTE.—For total farm acreage and total crop land harvested (all tenures combined) see Tables 581 and 582. Data for owners include land exclusively owned and the additional land rented and operated by the owner

[All figures in thousands of acres]

Division and State	All land in farms operated by—									Crop land harvested in 1929 on farms operated by—		
	Owners			Managers			Tenants			Owners	Managers	Tenants
	1920	1925	1930	1920	1925	1930	1920	1925	1930			
United States	636,775	616,386	618,376	54,120	43,097	61,986	264,980	264,887	306,409	201,750	6,920	150,572
New England	14,705	14,344	12,592	980	581	751	1,306	934	940	3,249	154	257
Maine	5,074	4,936	4,338	146	71	129	206	154	173	1,223	30	51
New Hampshire	2,296	2,109	1,736	154	58	123	153	96	102	342	18	21
Vermont	3,521	3,407	3,325	150	100	152	565	419	419	911	34	129
Massachusetts	2,022	2,051	1,690	313	212	215	159	104	100	409	42	23
Rhode Island	249	248	220	30	24	18	53	37	41	43	4	8
Connecticut	1,543	1,593	1,283	187	116	114	169	123	105	321	26	25
Middle Atlantic	29,019	29,464	27,768	1,923	910	1,277	9,631	7,117	6,092	11,120	449	2,754
New York	15,084	15,459	14,577	932	496	622	4,616	3,315	2,781	5,612	185	1,161
New Jersey	1,425	1,404	1,236	208	68	144	649	452	378	550	49	178
Pennsylvania	12,510	12,600	11,955	782	346	511	4,366	3,350	2,843	4,958	215	1,415
East North Central	76,518	75,580	72,355	2,867	1,651	2,096	35,350	35,521	36,440	34,532	894	21,218
Ohio	15,000	15,083	14,410	562	266	396	7,954	6,870	6,707	6,401	162	3,553
Indiana	12,870	12,667	12,286	473	288	360	7,720	6,961	7,042	6,022	159	4,033
Illinois	16,265	15,798	15,227	713	450	512	14,997	14,485	14,957	8,640	283	10,035
Michigan	14,541	14,470	13,605	588	369	462	3,904	3,197	3,052	6,163	142	1,432
Wisconsin	17,841	17,562	16,827	532	279	366	3,775	4,010	4,682	7,306	148	2,165
West North Central	168,570	155,780	160,645	6,079	3,497	4,974	32,324	88,805	99,869	78,917	1,419	58,379
Minnesota	21,014	20,186	19,567	443	224	307	8,765	9,649	11,039	11,132	161	7,153
Iowa	18,051	17,092	16,444	569	390	476	14,855	15,799	17,100	10,250	272	11,754
Missouri	24,687	22,733	22,217	964	350	513	9,423	9,559	11,012	8,247	158	4,771
North Dakota	26,850	23,523	26,415	811	271	387	8,553	10,533	11,856	14,057	133	7,014
South Dakota	24,169	20,937	22,474	890	771	961	9,577	10,310	13,035	10,123	142	7,591
Nebraska	26,422	25,555	25,726	1,480	776	1,454	14,323	15,693	17,529	11,316	300	9,783
Kansas	27,377	25,753	27,802	1,221	714	876	16,827	17,263	18,298	13,792	203	10,313
South Atlantic	61,798	58,301	51,661	4,402	3,511	3,761	31,575	26,753	30,961	18,628	844	13,048
Delaware	451	465	480	21	16	30	472	418	391	214	16	178
Maryland	2,751	2,674	2,640	259	182	228	1,743	1,577	1,506	1,028	88	626
Dist. of Columbia	2	1	1	2	2	2	2	1	1	1	1	(1)
Virginia	13,761	13,311	12,250	824	514	656	3,976	3,385	3,823	2,816	145	1,014
West Virginia	7,813	7,483	7,145	356	211	257	1,400	1,286	1,400	1,352	48	255
North Carolina	13,442	12,533	11,072	386	232	255	6,194	5,829	6,723	2,935	69	2,806
South Carolina	6,717	5,987	5,228	425	293	437	5,285	4,359	4,723	1,623	79	2,434
Georgia	12,801	11,889	9,856	926	800	932	11,714	9,257	11,292	2,771	238	5,329
Florida	4,060	3,968	2,980	1,202	1,260	954	784	647	1,092	888	160	400
East South Central	54,022	49,049	45,289	1,529	923	1,288	23,347	20,635	26,241	11,766	312	13,070
Kentucky	16,792	15,829	14,611	270	137	196	4,551	3,947	5,120	3,661	48	1,621
Tennessee	13,779	13,025	11,729	221	124	207	5,511	4,751	6,068	3,421	56	2,629
Alabama	12,117	10,086	9,404	455	245	332	7,004	6,408	7,819	2,639	75	4,401
Mississippi	11,334	10,108	9,545	583	416	553	6,280	5,529	7,234	2,045	133	4,419
West South Central	104,781	97,711	93,160	18,511	11,998	22,524	52,157	55,305	68,222	23,814	919	32,105
Arkansas	11,810	10,027	8,990	352	318	292	5,295	5,287	6,771	2,751	92	3,739
Louisiana	6,255	5,624	4,761	900	590	876	2,864	2,624	3,718	1,468	199	2,401
Oklahoma	18,472	15,609	16,471	926	1,327	986	12,554	13,933	16,333	7,090	138	8,325
Texas	68,244	66,451	62,938	14,333	9,762	20,370	31,444	33,461	41,400	12,505	490	17,640
Mountain	90,889	98,542	114,233	12,974	14,047	18,057	13,475	19,100	25,160	16,385	780	6,114
Montana	28,953	25,365	34,145	2,860	1,912	3,015	3,258	5,459	7,499	5,975	186	1,680
Idaho	6,799	6,185	7,050	386	272	438	1,191	1,659	1,859	2,235	83	881
Wyoming	9,360	15,062	18,934	1,466	1,939	2,085	984	1,662	2,506	1,515	87	406
Colorado	18,622	17,387	19,540	1,596	1,285	2,167	4,244	5,496	7,169	4,083	189	2,479
New Mexico	17,854	19,800	21,857	3,863	4,733	5,350	2,693	3,317	3,615	1,043	34	417
Arizona	3,820	7,580	6,049	1,391	2,515	3,468	592	970	1,009	286	73	120
Utah	4,063	4,469	4,501	616	184	608	372	347	504	980	39	141
Nevada	1,420	2,693	2,157	796	1,208	926	141	190	999	268	89	40
Pacific	36,473	37,566	40,663	6,865	5,980	7,268	12,815	10,713	12,574	8,339	1,149	3,627
Washington	9,260	9,042	9,379	541	360	560	3,444	3,208	3,595	2,360	95	1,203
Oregon	10,017	10,853	12,878	838	901	839	2,687	2,377	2,832	2,057	145	705
California	17,196	17,672	18,426	5,485	4,718	5,869	6,684	6,684	6,147	3,922	909	1,719

[1] Less than 500.

Source: Bureau of the Census, Department of Commerce.

No. 591.—PERCENTAGE OF TOTAL NUMBER OF FARMS AND TOTAL ACREAGE OPERATED BY TENANTS: BY STATES

Division and State	Per cent of total operated by tenants										Per cent of tenants related to landlord, 1925 [1]	
	Number of farms				All land in farms				Crop lands harvested			
	1910	1920	1925	1930	1910	1920	1925	1930	1924	1929	Cash	Other
United States	37.0	38.1	38.6	42.4	25.8	27.7	28.7	31.1	40.6	41.9	26.6	[1] 29.1
New England	8.0	7.4	5.6	6.3	7.3	7.7	5.9	6.6	6.4	7.0	16.0	30.9
Maine	4.3	4.2	3.4	4.5	3.6	3.8	3.0	3.7	3.1	3.9	16.3	41.1
New Hampshire	6.9	6.7	4.8	5.3	5.4	5.9	4.2	5.2	4.5	5.4	12.7	44.2
Vermont	12.3	11.6	9.3	9.7	13.7	13.3	10.7	10.7	12.7	12.0	19.2	27.4
Massachusetts	8.1	7.1	4.8	5.6	7.0	6.4	4.4	5.0	4.3	4.9	15.8	25.5
Rhode Island	18.0	15.5	12.1	12.5	18.2	15.9	12.1	14.8	12.1	14.6	14.7	40.5
Connecticut	9.8	8.5	6.4	6.2	9.9	8.9	6.7	7.0	6.5	6.8	15.5	27.9
Middle Atlantic	22.3	20.7	15.8	14.7	25.9	23.7	19.0	17.1	21.5	19.2	20.4	28.2
New York	20.8	19.2	14.1	13.2	24.4	22.4	17.2	15.5	18.8	16.7	21.7	28.7
New Jersey	24.8	23.0	15.9	15.6	30.4	28.5	23.5	21.5	25.3	22.9	15.5	25.0
Pennsylvania	23.3	21.9	17.4	15.9	27.1	24.7	20.6	18.6	24.1	21.5	20.1	28.3
East North Central	27.0	28.1	26.0	27.3	30.0	32.6	31.5	32.9	36.6	37.5	30.8	32.8
Ohio	28.4	29.5	25.5	26.3	31.4	33.8	30.9	31.2	35.4	35.1	26.8	33.3
Indiana	30.0	32.0	29.2	30.1	32.3	36.7	35.0	35.8	39.3	39.5	27.7	32.3
Illinois	41.4	42.7	42.0	43.1	43.6	46.9	47.1	48.7	51.5	52.9	32.1	31.2
Michigan	15.8	17.7	15.1	15.5	17.8	20.5	17.7	17.8	19.2	18.5	23.9	33.3
Wisconsin	13.9	14.4	15.5	18.2	15.8	17.0	18.4	21.4	19.8	22.5	40.6	39.1
West North Central	30.9	34.2	37.8	39.9	27.0	32.0	35.8	37.6	41.0	42.1	31.1	29.0
Minnesota	21.0	24.7	27.1	31.1	23.8	29.0	32.1	35.7	36.0	38.8	35.0	30.0
Iowa	37.8	41.7	44.7	47.3	39.0	44.4	47.5	50.3	50.2	52.8	36.0	32.4
Missouri	29.9	28.8	32.6	34.8	25.4	27.1	29.3	32.6	34.2	36.2	20.4	22.8
North Dakota	14.3	25.6	34.4	35.1	15.3	23.6	30.7	30.7	32.9	33.0	18.0	20.9
South Dakota	24.8	34.9	41.5	44.6	23.3	27.7	32.2	35.7	41.0	42.5	27.5	26.9
Nebraska	38.1	42.9	46.4	47.1	27.3	33.9	37.3	39.2	45.0	45.7	33.5	34.7
Kansas	36.8	40.4	42.2	42.4	30.6	37.0	39.5	39.0	44.0	42.4	24.2	31.8
South Atlantic	45.9	46.8	44.5	48.1	30.1	32.3	30.2	35.8	45.7	47.4	[2]	[2]
Delaware	41.9	39.3	35.8	33.8	52.1	49.9	46.5	43.4	49.1	43.7	[2]	[2]
Maryland	29.5	28.9	26.4	26.5	38.5	36.7	35.6	34.4	38.9	35.9	[2]	[2]
District of Columbia	38.7	41.7	28.1	23.1	35.9	35.1	21.2	13.8	19.6	14.6	[2]	[2]
Virginia	26.5	25.6	25.2	28.1	21.1	21.4	19.7	22.9	24.6	25.5	[2]	[2]
West Virginia	20.5	16.2	16.3	18.6	15.5	14.6	14.3	15.9	15.1	15.4	[2]	[2]
North Carolina	42.3	43.5	45.2	49.2	27.6	30.9	31.3	37.3	46.3	48.3	[2]	[2]
South Carolina	63.0	64.5	65.1	65.1	39.4	42.5	41.0	45.5	60.0	58.8	[2]	[2]
Georgia	65.6	66.6	63.8	68.2	42.0	46.0	42.2	51.5	59.3	63.9	[2]	[2]
Florida	26.7	25.3	21.3	28.4	13.1	13.0	11.0	21.7	23.2	27.9	[2]	[2]
East South Central	50.7	49.7	50.3	56.9	28.0	29.6	29.2	36.0	49.2	52.0	[2]	[2]
Kentucky	33.9	33.4	32.0	35.9	19.9	21.1	19.8	25.7	30.6	30.4	[2]	[2]
Tennessee	41.1	41.1	41.0	46.2	25.1	28.2	26.5	33.7	40.9	43.1	[2]	[2]
Alabama	60.2	57.9	60.7	64.7	34.2	35.8	38.3	44.5	59.6	61.9	[2]	[2]
Mississippi	66.1	66.1	68.3	72.2	33.7	34.5	34.4	41.7	63.0	67.0	[2]	[2]
West South Central	52.8	52.9	59.2	62.3	26.7	30.1	33.5	37.1	55.5	56.5	[2]	[2]
Arkansas	50.0	51.3	56.7	63.0	27.0	30.3	33.8	42.2	50.9	56.8	[2]	[2]
Louisiana	55.3	57.1	60.1	66.6	25.7	28.6	29.7	39.7	52.3	59.0	[2]	[2]
Oklahoma	54.8	51.0	58.6	61.5	43.1	39.3	45.1	48.3	52.2	53.5	[2]	[2]
Texas	52.6	53.3	60.4	60.9	22.5	27.6	30.5	33.2	58.7	57.6	[2]	[2]
Mountain	10.7	15.4	22.2	24.4	10.5	11.5	14.5	16.0	25.3	26.3	11.3	15.9
Montana	8.9	11.3	21.9	24.5	10.9	9.3	16.7	16.8	22.4	21.4	10.8	12.4
Idaho	10.3	15.9	24.4	25.3	10.7	14.2	20.4	19.9	26.1	26.4	12.6	18.2
Wyoming	8.2	12.5	17.9	22.0	6.2	8.3	8.9	10.7	18.1	20.2	10.9	12.7
Colorado	18.2	23.0	30.9	34.5	16.7	17.4	22.7	24.8	33.9	36.7	11.1	14.9
New Mexico	5.5	12.2	17.1	20.2	8.7	11.0	11.9	11.7	23.2	27.9	7.2	14.8
Arizona	9.3	18.1	21.5	16.4	8.6	10.2	8.8	9.6	26.0	25.1	5.8	12.1
Utah	7.9	10.9	11.1	12.2	5.7	7.4	6.9	9.0	11.7	12.2	20.0	36.4
Nevada	12.4	9.4	7.9	12.9	5.8	6.0	4.6	24.5	6.2	10.0	14.6	18.8
Pacific	17.2	20.1	15.6	17.7	19.8	22.8	19.7	20.8	27.1	27.7	19.8	20.9
Washington	13.7	18.7	16.3	17.0	17.7	26.0	25.4	26.6	32.5	32.9	11.3	27.1
Oregon	15.1	18.8	16.8	17.8	16.1	19.8	16.8	17.1	25.7	24.3	16.3	27.8
California	20.6	21.4	14.7	18.0	22.2	22.8	18.6	20.0	24.8	26.2	7.9	13.8

[1] Percentages shown for United States relate to Northern and Western States only. Data for 1930 are not yet available.
[2] Not available.

Source: Bureau of the Census, Department of Commerce.

No. 592.—NUMBER AND ACREAGE OF FARMS: BY COLOR OF OPERATOR AND BY STATES

NOTE.—For total number of farms and acreage of all land in farms see Table 582

Division and State	Number of farms operated by—				All land (thousands of acres) in farms operated by—			
	White farmers		Colored farmers		White farmers		Colored farmers	
	1920	1930	1920	1930	1920	1930	1920	1930
United States	5,498,454	5,372,578	949,889	916,070	910,939	945,683	44,945	41,088
New England	156,293	124,766	271	159	18,970	14,273	21	10
Maine	48,214	38,989	13	17	5,425	4,639	1	1
New Hampshire	20,509	14,898	14	8	2,602	1,959	2	1
Vermont	29,047	24,876	28	22	4,231	3,892	4	3
Massachusetts	31,880	25,534	121	64	2,489	2,004	6	2
Rhode Island	4,063	3,311	20	11	331	279	1	1
Connecticut	22,580	17,158	75	37	1,892	1,500	7	2
Middle Atlantic	423,611	356,396	1,536	1,207	40,477	34,968	98	80
New York	192,645	159,346	550	460	20,590	17,942	43	38
New Jersey	29,167	24,094	535	384	2,256	1,738	26	20
Pennsylvania	201,799	172,956	451	363	17,631	15,288	27	22
East North Central	1,080,267	963,019	4,477	3,483	117,458	110,652	278	239
Ohio	255,079	218,059	1,616	1,237	23,416	21,421	100	93
Indiana	204,554	181,095	572	475	21,027	19,660	37	29
Illinois	236,288	213,603	893	894	31,917	30,637	58	58
Michigan	195,714	168,811	733	561	18,984	17,081	49	38
Wisconsin	188,632	181,451	663	316	22,114	21,853	34	21
West North Central	1,090,032	1,101,648	6,919	11,107	255,461	264,071	1,512	1,417
Minnesota	178,271	185,010	207	245	30,202	30,892	20	21
Iowa	213,330	214,774	109	154	33,466	34,008	9	11
Missouri	260,178	250,079	2,826	5,861	34,584	33,486	190	257
North Dakota	77,147	77,174	543	801	36,028	38,508	187	150
South Dakota	73,025	80,417	1,612	2,740	33,786	35,680	850	791
Nebraska	124,033	129,188	384	270	42,159	44,678	67	30
Kansas	164,048	165,006	1,238	1,036	45,236	46,819	180	157
South Atlantic	775,144	760,088	383,832	298,379	79,550	71,704	18,225	14,659
Delaware	9,268	8,900	872	807	890	846	55	55
Maryland	41,699	37,936	6,209	5,267	4,406	4,029	352	346
Dist. of Columbia	184	93	20	11	5	3	(1)	(1)
Virginia	138,456	130,937	47,786	39,673	16,298	14,683	2,263	2,046
West Virginia	86,785	82,150	504	491	9,542	8,774	28	28
North Carolina	193,473	202,835	76,200	76,873	16,584	14,662	3,437	3,392
South Carolina	83,683	80,506	109,010	77,425	8,047	7,221	4,380	3,172
Georgia	180,545	168,309	130,187	86,789	18,369	16,974	7,072	5,105
Florida	41,051	47,923	12,954	11,043	5,409	4,512	638	515
East South Central	744,368	741,255	307,232	320,959	66,784	60,886	12,114	11,931
Kentucky	257,998	237,395	12,628	9,104	21,186	19,585	427	342
Tennessee	214,592	210,519	38,182	35,138	17,987	16,646	1,524	1,357
Alabama	160,896	163,566	95,203	93,829	15,229	13,396	4,348	4,159
Mississippi	110,882	129,775	161,219	182,888	12,382	11,259	5,815	6,073
West South Central	764,238	840,785	231,350	262,349	162,469	173,890	10,980	11,218
Arkansas	160,322	162,755	72,282	70,570	14,832	13,565	2,625	2,488
Louisiana	73,404	87,675	62,059	73,770	7,837	7,040	2,183	2,315
Oklahoma	173,263	180,929	18,725	22,937	30,239	31,825	1,713	1,966
Texas	357,249	409,426	78,784	86,063	109,561	120,260	4,459	4,447
Mountain	238,662	230,391	5,447	10,923	116,340	156,446	997	1,004
Montana	50,614	46,311	1,063	1,184	34,419	44,260	652	399
Idaho	41,598	40,976	508	698	8,328	9,290	48	57
Wyoming	15,579	15,748	169	263	11,787	23,483	23	43
Colorado	59,381	59,355	553	601	24,375	28,794	87	82
New Mexico	27,969	28,059	1,875	3,345	24,345	30,578	64	244
Arizona	9,329	10,220	646	3,953	5,742	10,407	60	119
Utah	25,248	26,591	414	568	4,999	5,574	51	39
Nevada	2,944	3,131	219	311	2,345	4,060	12	21
Pacific	225,839	254,229	8,325	7,504	55,430	59,993	722	532
Washington	65,022	69,555	1,266	1,349	13,143	13,405	101	129
Oregon	49,633	54,470	573	683	13,442	16,476	100	73
California	111,184	130,204	6,486	5,472	28,845	30,112	521	330

[1] Less than 500.

Source: Bureau of the Census, Department of Commerce.

No. 593.—NUMBER OF FARMS IN THE SOUTH: By Color and Tenure of Operator, 1930

	Total	Full owners	Part owners	Managers	Tenants			
					Total	Cash	Croppers	Other
The South:								
White	2,342,129	1,050,187	183,469	16,529	1,091,944	140,112	383,381	568,451
Colored	881,687	140,496	41,523	829	698,839	97,920	392,897	208,022
South Atlantic:								
White	760,089	406,386	53,041	8,485	292,177	49,472	120,487	122,218
Colored	298,379	60,714	19,789	479	217,397	29,327	124,171	63,899
Delaware—								
White	8,900	5,507	330	146	2,867	440	165	2,262
Colored	807	309	64	19	415	54	60	301
Maryland—								
White	37,936	25,971	1,911	819	9,235	1,629	1,049	6,557
Colored	5,267	2,362	579	120	2,206	213	597	1,396
District of Columbia—								
White	93	46	5	20	22	21		1
Colored	11	7	1	1	2	2		
Virginia—								
White	130,937	85,756	10,900	1,459	32,822	5,516	10,458	16,850
Colored	39,673	19,200	5,248	77	15,148	1,767	6,797	6,584
West Virginia—								
White	82,150	60,253	5,947	714	15,236	7,046	1,811	6,379
Colored	491	328	45	7	111	38	23	50
North Carolina—								
White	202,835	102,567	19,167	625	80,476	6,692	34,286	39,498
Colored	76,873	13,198	6,513	23	57,139	2,545	34,805	19,789
South Carolina—								
White	80,506	33,578	4,900	622	41,406	6,511	17,893	17,002
Colored	77,425	11,937	4,055	71	61,362	11,759	31,046	18,557
Georgia—								
White	168,809	61,582	7,139	1,334	98,754	17,001	51,404	30,349
Colored	86,789	9,014	2,067	72	75,636	10,532	49,450	15,654
Florida—								
White	47,923	31,126	2,692	2,746	11,359	4,616	3,423	3,320
Colored	11,043	4,359	1,217	89	5,378	2,417	1,393	1,568
East South Central:								
White	741,255	358,174	56,586	2,747	323,748	43,543	130,742	149,463
Colored	320,959	39,420	11,168	141	270,230	53,371	150,239	66,620
Kentucky—								
White	237,395	132,160	21,068	660	83,507	8,748	27,134	47,625
Colored	9,104	3,055	1,120	15	4,914	140	3,116	1,658
Tennessee—								
White	210,519	104,116	19,528	577	86,248	9,353	33,745	43,150
Colored	35,138	5,687	2,145	34	27,272	2,863	16,559	7,850
Alabama—								
White	163,566	63,727	10,714	580	88,545	16,652	37,562	34,331
Colored	93,829	11,417	4,514	23	77,875	32,055	27,572	18,248
Mississippi—								
White	129,775	58,121	5,276	930	65,448	8,700	32,301	24,357
Colored	182,888	19,261	3,389	69	160,169	18,313	102,992	38,864
West South Central:								
White	840,785	285,627	73,842	5,297	476,019	47,097	132,152	296,770
Colored	252,349	40,362	10,566	209	211,212	15,222	118,487	77,503
Arkansas—								
White	162,755	63,539	14,015	611	84,590	8,855	29,589	46,146
Colored	79,579	9,058	2,397	23	68,101	6,106	45,465	16,530
Louisiana—								
White	87,675	38,107	4,549	681	44,338	6,194	17,214	20,930
Colored	73,770	8,786	1,717	54	63,213	6,692	32,214	24,307
Oklahoma—								
White	180,929	47,097	22,283	779	110,770	16,569	16,495	77,706
Colored	22,937	6,550	1,784	44	14,559	1,029	4,560	8,970
Texas—								
White	409,426	136,884	32,995	3,226	236,321	15,479	68,874	151,968
Colored	86,063	15,968	4,668	88	65,339	1,395	30,248	27,696

Source: Bureau of the Census, Department of Commerce.

No. 594.—ACREAGE OF FARMS IN THE SOUTH: BY COLOR AND TENURE OF OPERATOR, 1930

[All figures in thousands of acres]

	Total	Full owners	Part owners	Managers	Tenants			
					Total	Cash	Croppers	Other
The South:								
White	305,281	136,194	42,427	27,296	99,364	23,066	19,635	56,663
Colored	37,806	9,010	2,469	267	26,060	4,095	11,070	9,995
South Atlantic:								
White	71,704	41,694	5,699	3,641	20,670	4,396	6,284	9,989
Colored	14,659	3,314	944	116	10,290	1,472	5,079	3,740
Delaware—								
White	846	431	36	20	353	32	16	304
Colored	55	11	3	3	38	2	4	31
Maryland—								
White	4,029	2,306	226	207	1,290	144	144	1,002
Colored	346	88	20	22	216	9	47	160
District of Columbia—								
White	3	1	(1)	2	(1)	(1)	----------	(1)
Colored	(1)	(1)	(1)	(1)	(1)	(1)	----------	----------
Virginia—								
White	14,683	9,743	1,324	632	2,984	547	680	1,756
Colored	2,046	937	246	23	839	115	284	441
West Virginia—								
White	8,774	6,305	822	256	1,392	578	174	639
Colored	28	16	3	1	9	2	1	5
North Carolina—								
White	14,663	8,712	1,378	249	4,323	443	1,303	2,577
Colored	3,393	697	285	6	2,404	138	1,212	1,054
South Carolina—								
White	7,221	3,859	582	416	2,365	525	759	1,081
Colored	3,172	617	171	21	2,363	339	1,091	934
Georgia—								
White	16,974	7,944	1,028	908	7,095	1,675	2,992	2,427
Colored	5,105	726	157	24	4,198	763	2,380	1,054
Florida—								
White	4,512	2,395	304	945	868	450	216	202
Colored	515	223	59	9	224	104	59	61
East South Central:								
White	60,886	36,381	5,384	1,238	17,883	3,319	4,873	9,690
Colored	11,931	2,874	649	50	8,358	2,025	3,660	2,673
Kentucky—								
White	19,585	12,580	1,848	193	4,964	676	1,007	3,281
Colored	342	138	45	3	156	5	74	77
Tennessee—								
White	16,646	9,569	1,741	200	5,136	692	1,321	3,122
Colored	1,357	310	109	6	932	137	442	354
Alabama—								
White	13,396	7,030	1,184	318	4,864	1,286	1,575	2,003
Colored	4,159	917	273	14	2,955	1,198	938	819
Mississippi—								
White	11,259	7,203	611	528	2,919	665	970	1,284
Colored	6,073	1,569	221	27	4,315	685	2,206	1,424
West South Central:								
White	172,690	58,119	31,344	22,417	60,811	15,350	8,478	36,983
Colored	11,216	2,822	876	107	7,411	598	3,231	3,582
Arkansas—								
White	13,505	6,713	1,573	285	4,995	673	1,055	3,266
Colored	2,488	561	144	7	1,776	220	961	595
Louisiana—								
White	7,040	3,595	562	856	2,026	388	535	1,103
Colored	2,315	513	90	20	1,692	205	718	769
Oklahoma—								
White	31,825	7,244	8,313	943	15,325	2,549	1,529	11,247
Colored	1,966	623	291	43	1,008	103	218	688
Texas—								
White	120,260	40,567	20,895	20,333	38,464	11,740	5,358	21,366
Colored	4,447	1,125	350	37	2,935	70	1,334	1,531

[1] Less than 500 acres.

Source: Bureau of the Census, Department of Commerce.

No. 595.—NUMBER AND ACREAGE OF FARMS: By Color, Nativity, and Tenure of Operator, United States and Certain Regions and Divisions

Note.—For total number of farms (all tenures combined) see Table 582. The "North" includes New England, Middle Atlantic, East and West North Central divisions; the "South," the three subdivisions listed below it. Data for 1930 are not yet available

Division and color and nativity	Number of farms operated by—				All land (thousands of acres) in farms operated by—			Improved land (thousands of acres) in farms operated by—		
	Owners and managers		Tenants		All farmers, 1920	Owners and managers, 1920	Tenants, 1920	All farmers, 1920	Owners and managers, 1920	Tenants, 1920
	1910	1920	1910	1920						
United States	4,006,328	3,993,539	2,354,678	2,454,804	955,884	690,904	264,980	503,073	327,318	175,755
Native white	3,212,671	3,286,556	1,558,392	1,630,830	799,767	583,464	216,304	411,266	271,155	140,111
Foreign-born white	551,390	471,535	118,166	109,533	111,172	90,261	20,911	62,508	47,883	14,625
Colored	242,765	235,448	678,118	714,441	44,945	17,180	27,765	29,298	8,280	21,019
The North	2,125,117	1,984,188	765,501	779,218	432,272	300,661	131,611	291,966	192,325	99,641
Native white	1,669,320	1,622,968	670,792	701,062	356,314	239,750	116,564	242,571	154,382	88,189
Foreign-born white	442,094	351,804	90,028	74,369	74,051	59,371	14,681	48,610	37,402	11,208
Colored	13,203	9,416	4,681	3,787	1,906	1,540	366	785	541	244
The South	1,560,795	1,615,543	1,536,752	1,591,121	350,122	243,043	107,079	157,080	93,040	64,040
Native white	1,304,650	1,364,289	840,295	868,645	300,381	222,005	78,376	125,682	83,210	42,472
Foreign-born white	36,478	31,895	15,983	18,921	8,423	6,594	1,829	3,654	2,433	1,221
Colored	219,667	219,359	670,474	703,555	41,318	14,444	26,874	27,744	7,396	20,347
South Atlantic	601,452	616,888	510,429	542,088	97,775	66,200	31,575	48,510	29,499	19,011
Native white	492,466	506,722	256,412	261,049	78,825	59,891	18,934	36,743	26,404	10,340
Foreign-born white	6,305	6,546	830	827	725	645	80	313	280	33
Colored	102,681	103,620	253,181	280,212	18,225	5,664	12,561	11,454	2,816	8,638
East South Central	513,742	529,314	528,738	522,286	78,897	55,550	23,347	44,380	28,415	15,965
Native white	450,793	470,492	261,650	270,370	66,455	51,238	15,217	35,661	26,234	9,427
Foreign-born white	3,903	2,875	856	631	329	293	36	177	153	25
Colored	58,986	55,947	266,232	251,285	12,114	4,019	8,095	8,542	2,028	6,513
West South Central	445,601	469,341	497,585	526,747	173,449	121,292	52,157	64,190	35,125	29,064
Native white	361,391	387,075	331,233	337,226	155,100	110,875	44,224	53,278	30,572	22,706
Foreign-born white	26,210	22,474	15,291	17,463	7,369	5,656	1,714	3,164	2,001	1,163
Colored	58,000	59,792	151,061	172,058	10,980	4,761	6,219	7,748	2,552	5,196
Mountain	163,756	206,631	19,690	37,478	117,337	103,862	13,475	30,106	25,129	4,977
Native white	127,912	166,840	16,079	30,838	99,284	87,492	11,792	24,614	20,412	4,202
Foreign-born white	28,147	35,402	3,280	5,582	17,050	15,488	1,562	5,196	4,489	707
Colored	7,697	4,389	331	1,058	997	882	116	295	228	67
Pacific	157,158	187,177	32,733	46,987	56,153	43,388	12,815	23,922	16,825	7,097
Native white	110,289	132,459	22,226	30,285	43,789	34,216	9,572	18,399	13,152	5,247
Foreign-born white	44,671	52,434	7,375	10,661	11,642	8,808	2,834	5,048	3,559	1,489
Colored	2,198	2,284	2,632	6,041	722	313	409	474	114	360

Source: Bureau of the Census, Department of Commerce.

No. 596.—VALUE OF FARM PROPERTY: FARMS OPERATED BY OWNERS AND TENANTS, BY GEOGRAPHIC DIVISIONS

NOTE.—For total value of farm property by geographic divisions, all tenures (including managers) combined, see Table 583, p. 642

Division	Farms operated by—							
	Full owners		Part owners		Cash tenants		Other tenants	
	1925	1930	1925	1930	1925	1930	1925	1930
	Value of land and buildings (millions of dollars)							
United States	24,209	21,123	6,808	8,137	3,370	3,301	13,480	12,580
New England	748	713	40	77	29	34	22	23
Middle Atlantic	2,006	1,948	145	219	175	195	357	261
East North Central	5,450	4,354	1,347	1,413	721	668	3,298	2,635
West North Central	6,498	5,254	3,210	3,466	1,534	1,658	5,116	4,504
South Atlantic	2,534	2,116	190	279	162	201	1,018	964
East South Central	1,457	1,369	157	214	141	190	685	832
West South Central	1,963	1,964	561	880	221	326	2,049	2,329
Mountain	980	970	581	758	91	130	405	443
Pacific	2,572	2,435	576	851	297	399	531	529
	Value of improvements and machinery (millions of dollars)							
United States	1,482.0	1,585.0	385.3	631.2	159.1	233.8	606.6	769.7
New England	69.9	73.1	4.4	8.5	2.1	3.0	1.9	1.9
Middle Atlantic	247.9	256.2	19.8	31.0	15.0	18.4	42.9	36.4
East North Central	327.7	328.4	68.9	98.2	33.1	40.6	130.4	146.2
West North Central	340.1	379.2	177.7	283.5	69.3	110.9	223.3	307.8
South Atlantic	131.2	123.1	11.1	17.8	6.6	9.8	40.6	41.1
East South Central	77.4	89.9	9.2	14.6	7.1	11.0	28.0	37.7
West South Central	112.5	130.0	30.8	59.1	9.5	14.6	95.1	123.6
Mountain	64.3	86.0	34.2	70.5	4.8	9.6	21.9	37.9
Pacific	111.1	119.1	29.4	48.0	11.7	15.9	22.4	27.1
	Average value of land and buildings per farm (dollars)							
United States	7,306	7,255	12,270	12,389	8,565	7,770	6,515	5,784
New England	5,210	6,649	8,806	11,372	5,167	6,404	6,570	8,924
Middle Atlantic	6,041	7,002	8,990	10,456	7,907	9,328	8,089	8,276
East North Central	8,163	7,630	12,931	11,465	12,381	10,638	15,350	13,098
West North Central	12,849	11,477	17,823	17,047	16,193	13,634	15,732	14,149
South Atlantic	4,607	4,531	3,209	3,835	2,813	2,548	2,364	2,238
East South Central	3,334	3,443	2,592	3,157	1,783	1,958	1,601	1,674
West South Central	5,668	6,024	8,531	10,139	5,305	5,232	3,656	3,727
Mountain	7,165	7,444	13,709	15,583	8,309	8,292	9,911	10,278
Pacific	13,246	13,778	26,486	29,474	15,401	16,083	23,986	24,649
	Average value of implements and machinery per farm (dollars)							
United States	447	544	894	961	404	478	293	349
New England	487	682	950	1,255	375	570	506	741
Middle Atlantic	746	921	1,229	1,484	682	880	972	1,154
East North Central	491	576	662	796	568	646	607	727
West North Central	673	828	987	1,394	732	912	687	954
South Atlantic	239	264	186	244	106	124	94	95
East South Central	177	226	151	216	91	114	66	76
West South Central	325	399	468	701	227	233	170	198
Mountain	470	660	806	1,450	439	609	537	878
Pacific	572	674	1,352	1,663	605	642	1,012	1,261

Source: Bureau of the Census, Department of Commerce.

No. 597.—MORTGAGE STATUS OF FARMS OWNED BY OPERATOR

NOTE.—Data for 1930 are not yet available

Item	1890 [1]	1900 [1]	1910	1920	1925
FARMS OWNED WHOLLY OR IN PART BY THE OPERATOR					
Total number	3,142,746	3,638,403	3,948,722	3,925,090	3,868,332
Reported as free from mortgage	2,228,806	2,419,180	2,588,596	2,074,325	(2)
Reported as mortgaged	874,215	1,093,164	1,312,034	1,461,306	1,395,026
Unknown (no report)	39,725	126,059	48,092	389,459	(2)
Per cent of total—					
Free from mortgage	70.9	66.5	65.6	52.8	(2)
Reporting mortgage debt	27.8	30.0	33.2	37.2	36.1
Unknown (no report)	1.3	3.5	1.2	9.9	(2)
FARMS OWNED WHOLLY BY THE OPERATOR					
Total number	(2)	3,201,947	3,354,897	3,366,510	3,313,490
Number reporting amount of mortgage debt	[3] 886,957	(2)	1,006,511	1,193,047	1,128,207
Per cent of total	(2)	(2)	30.0	35.4	34.0
Value of land and buildings—1,000 dollars	(2)	9,129,328	17,310,639	30,710,721	24,208,740
Ratio of mortgage debt to value—per cent	(2)	(2)	10.0	13.0	18.7
Reporting mortgage debt:					
Total number	[3] 886,957	(2)	1,006,511	1,193,047	1,128,207
Value of land and buildings—1,000 dollars	[3] 3,054,023	(2)	6,330,237	13,775,500	10,790,244
Amount of mortgage debt—do	[3] 1,085,996	(2)	1,726,173	4,003,787	4,517,259
Ratio of mortgage debt to value—per cent	[3] 35.5	(2)	27.3	29.1	41.9
Average per mortgaged farm—					
Value of land and buildings—dollars	[3] 3,444	(2)	6,289	11,546	9,564
Amount of mortgage debt—do	[3] 1,224	(2)	1,715	3,356	4,004
Equity owned—do	[3] 2,220	(2)	4,574	8,191	5,560

[1] Farm homes occupied by their owners. [2] Not available.
[3] Estimated totals for owned farm homes mortgaged, estimates being made for farms with defective reports.

No. 598.—FARMS OWNED WHOLLY BY OPERATOR AND REPORTING MORTGAGE DEBT: NUMBER, ACREAGE, VALUE, AND MORTGAGE DEBT, BY SIZE OF FARM, 1925

Note.— Data for 1930 are not yet available

Item	United States	Item	United States	Item	United States
Number of farms	1,128,207	**Value of land and buildings—1,000 dollars—Contd.**		**Ratio of debt to value per cent—Contd.**	
Under 3 acres	3,060			500 to 999 acres	39.7
3 to 9 acres	53,121	175 to 259 acres	1,474,677	1,000 acres and over	36.9
10 to 19 acres	59,725	260 to 499 acres	1,616,742		
20 to 49 acres	187,911	500 to 999 acres	641,832	**Value per acre—dollars**	62.67
50 to 99 acres	297,024	1,000 acres and over	512,448	Under 3 acres	4,061.14
100 to 174 acres	299,335			3 to 9 acres	916.37
175 to 259 acres	99,118	**Amount of mortgage debt—1,000 dollars**	4,517,259	10 to 19 acres	468.10
260 to 499 acres	90,162			20 to 49 acres	152.45
500 to 999 acres	27,549	Under 3 acres	6,812	50 to 99 acres	86.25
1,000 acres and over	11,202	3 to 9 acres	101,391	100 to 174 acres	74.41
		10 to 19 acres	129,752	175 to 259 acres	70.24
Acreage in farms	172,182,218	20 to 49 acres	380,395	260 to 499 acres	52.05
		50 to 99 acres	798,502	500 to 999 acres	34.42
Under 3 acres	4,879	100 to 174 acres	1,327,265	1,000 acres and over	16.20
3 to 9 acres	300,643	175 to 259 acres	642,644		
10 to 19 acres	779,216	260 to 499 acres	686,290	**Mortgage debt per acre—dollars**	26.24
20 to 49 acres	6,522,903	500 to 999 acres	254,994		
50 to 99 acres	21,854,189	1,000 acres and over	189,215	Under 3 acres	1,396.10
100 to 174 acres	40,383,565			3 to 9 acres	337.25
175 to 259 acres	20,993,562	**Ratio of debt to value—per cent**	41.9	10 to 19 acres	166.52
260 to 499 acres	31,058,620			20 to 49 acres	58.32
500 to 999 acres	18,647,691	Under 3 acres	34.4	50 to 99 acres	36.54
1,000 acres and over	31,636,950	3 to 9 acres	36.8	100 to 174 acres	32.87
		10 to 19 acres	35.6	175 to 259 acres	30.61
Value of land and buildings—1,000 dollars	10,790,244	20 to 49 acres	38.3	260 to 499 acres	22.10
		50 to 99 acres	42.4	500 to 999 acres	13.67
Under 3 acres	19,814	100 to 174 acres	44.2	1,000 acres and over	5.98
3 to 9 acres	275,499	175 to 259 acres	43.6		
10 to 19 acres	364,751	260 to 499 acres	42.4		
20 to 49 acres	994,394				
50 to 99 acres	1,884,952				
100 to 174 acres	3,005,134				

Source of Tables 597 and 598: Bureau of the Census, Department of Commerce.

No. 599.—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 only 1.2 per cent in 1910 and 9.9 per cent in 1920. The 1925 schedule called only for the amount of mortgages on farms. Data relating to mortgage status of farms for 1930 are not yet available

Division and State	All owned farms (number)			Free from mortgage (number)		Mortgaged (number)		
	1910	1920	1925	1910	1920	1910	1920	1925
United States	3,948,722	3,925,080	3,868,332	2,569,596	2,074,325	1,312,084	1,461,306	1,395,026
New England	168,408	140,160	148,159	108,938	80,412	58,474	53,138	49,864
Maine	56,454	45,437	47,984	41,309	36,605	14,948	13,023	11,925
New Hampshire	24,493	18,604	19,805	18,119	11,992	6,234	5,389	4,716
Vermont	28,065	25,121	24,889	14,851	12,132	13,140	12,225	10,850
Massachusetts	32,075	28,087	30,870	18,768	14,055	13,014	12,632	12,248
Rhode Island	4,087	3,245	3,263	2,811	1,971	1,180	949	946
Connecticut	23,234	19,666	21,258	13,080	9,597	9,958	8,920	9,179
Middle Atlantic	355,036	327,104	348,179	217,257	179,326	134,803	125,216	110,810
New York	166,674	151,717	159,949	93,118	75,522	72,311	66,633	61,905
New Jersey	24,133	21,889	24,535	11,983	10,000	11,793	10,085	10,118
Pennsylvania	164,229	153,498	163,695	112,156	93,804	50,699	48,498	38,787
East North Central	809,044	766,786	771,876	473,822	382,771	327,463	326,313	305,046
Ohio	192,104	177,986	181,347	135,616	110,004	54,997	50,784	47,800
Indiana	148,501	137,210	137,429	89,847	73,233	56,914	51,474	49,960
Illinois	145,107	132,574	129,074	80,713	68,892	55,792	51,039	45,814
Michigan	172,310	159,406	161,974	88,705	72,869	82,631	78,758	70,853
Wisconsin	151,022	159,610	162,052	72,941	57,773	77,129	94,258	90,619
West North Central	758,946	711,156	685,797	404,555	278,906	346,182	368,158	350,991
Minnesota	122,104	132,744	136,382	65,038	54,086	56,145	69,545	66,319
Iowa	133,003	121,888	116,444	63,234	45,807	68,045	66,006	64,781
Missouri	192,285	185,030	174,383	102,514	82,099	88,486	85,538	76,970
North Dakota	63,212	56,917	49,513	30,651	12,833	31,727	40,402	31,602
South Dakota	57,984	47,815	46,160	35,101	16,037	21,691	27,262	28,813
Nebraska	79,250	69,672	67,766	47,436	27,065	30,839	35,191	38,279
Kansas	111,108	97,090	95,149	60,582	40,979	49,249	44,064	44,227
South Atlantic	593,154	607,089	609,304	474,742	408,804	110,198	118,026	126,838
Delaware	6,178	6,010	6,515	3,817	3,504	2,264	2,018	1,748
Maryland	33,519	32,805	35,138	21,084	19,292	12,127	11,339	10,513
Dist. of Columbia	118	100	81	93	53	21	29	19
Virginia	133,664	136,363	143,587	111,474	98,470	21,182	24,331	27,075
West Virginia	75,978	72,101	74,943	66,093	52,617	9,525	10,274	9,104
North Carolina	145,320	151,376	154,805	117,028	102,950	26,642	24,499	29,918
South Carolina	64,350	67,724	59,969	47,535	42,847	15,020	14,299	15,521
Georgia	98,628	102,123	88,680	78,004	64,061	18,257	23,135	24,083
Florida	35,399	38,487	45,586	29,614	25,010	5,160	8,102	8,857
East South Central	510,452	525,808	497,825	388,837	339,312	114,195	124,723	119,931
Kentucky	170,332	179,327	175,442	135,505	116,613	33,039	40,615	34,688
Tennessee	144,125	148,082	148,827	118,285	105,128	24,006	32,264	30,703
Alabama	103,929	107,089	92,948	74,504	64,498	27,457	27,854	27,790
Mississippi	92,066	91,310	80,808	60,543	53,073	29,693	23,990	26,750
West South Central	440,905	464,328	412,064	299,303	236,932	132,252	162,738	147,212
Arkansas	106,649	112,647	95,476	82,321	64,881	22,374	33,990	31,419
Louisiana	52,989	57,254	52,386	42,011	36,010	9,834	11,783	14,424
Oklahoma	85,404	93,217	81,226	46,889	30,551	36,036	47,025	39,263
Texas	195,863	201,210	182,976	128,082	105,490	64,008	69,940	62,106
Mountain	160,844	202,515	179,198	125,940	88,731	33,060	97,038	84,939
Montana	23,365	50,271	36,281	18,014	16,365	4,820	29,897	19,818
Idaho	27,169	34,647	30,195	17,933	11,872	9,010	20,060	16,509
Wyoming	9,779	13,403	12,545	7,815	6,816	1,923	5,513	6,088
Colorado	36,993	45,291	39,517	26,822	20,965	9,636	21,131	20,997
New Mexico	33,398	25,756	26,005	31,382	16,650	1,775	6,257	6,897
Arizona	8,203	7,869	8,179	7,038	3,708	1,043	3,380	3,276
Utah	19,762	22,579	23,013	15,131	10,756	4,492	9,916	10,190
Nevada	2,175	2,699	3,463	1,805	1,599	361	884	1,164
Pacific	151,933	180,144	215,930	95,202	79,131	55,407	85,956	99,395
Washington	47,505	52,701	60,389	30,979	25,012	16,026	24,004	27,604
Oregon	37,796	39,863	45,887	24,855	18,077	12,632	17,843	20,990
California	66,632	87,580	109,654	39,368	36,042	26,749	44,109	50,801

Source: Bureau of the Census, Department of Commerce.

No. 600.—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. Data relating to mortgage debt of farms for 1930 are not yet available

Division and State	Farms operated by full owners reporting amount of mortgage debt								
	Number of farms			Value of land and buildings (thousands of dollars)			Amount of debt (thousands of dollars)		
	1910	1920	1925	1910	1920	1925	1910	1920	1925
United States	1,006,511	1,193,047	1,128,207	6,330,237	13,775,500	10,790,244	1,726,173	4,003,737	4,517,259
New England	53,791	49,456	47,817	183,828	271,163	272,739	58,536	91,756	109,361
Maine	13,894	12,345	11,632	39,774	58,427	59,644	11,739	18,592	24,519
New Hampshire	5,666	4,951	4,591	15,457	20,274	18,264	4,774	6,321	7,209
Vermont	12,138	11,504	10,431	36,859	61,071	51,883	12,436	23,576	24,057
Massachusetts	12,030	11,663	11,660	49,742	70,745	76,362	16,371	23,412	28,402
Rhode Island	1,001	856	869	4,088	4,865	5,185	1,356	1,494	1,971
Connecticut	9,062	8,137	8,634	37,906	56,781	61,431	11,859	17,861	23,102
Middle Atlantic	118,220	113,441	104,317	516,335	711,363	696,005	176,326	258,397	288,334
New York	62,555	59,735	57,245	284,659	383,114	397,889	97,310	145,533	165,622
New Jersey	10,666	9,296	9,324	55,507	67,176	81,964	19,477	25,123	31,893
Pennsylvania	44,999	44,410	37,248	176,168	256,577	216,152	61,539	87,741	88,818
East N. Central	257,884	274,347	255,246	1,605,965	2,959,228	2,200,825	459,887	922,266	1,011,942
Ohio	42,785	43,068	41,110	220,750	387,188	307,622	63,788	121,121	134,738
Indiana	40,108	40,416	38,734	251,961	439,153	300,320	57,487	105,256	119,821
Illinois	36,938	36,663	31,854	454,857	775,395	535,833	115,800	197,212	218,544
Michigan	68,655	67,119	60,707	250,874	420,108	351,799	75,997	144,103	149,683
Wisconsin	69,398	87,081	83,341	427,522	937,385	795,252	146,815	354,574	389,356
West N. Central	236,975	266,281	239,431	2,361,541	5,414,232	3,660,025	608,481	1,437,337	1,642,124
Minnesota	41,775	57,585	52,184	295,016	925,903	612,428	77,866	254,475	267,027
Iowa	50,452	52,341	49,744	735,265	1,814,260	1,272,036	204,243	489,817	625,629
Missouri	64,028	68,784	59,494	389,476	752,008	493,793	112,565	216,463	220,265
North Dakota	19,187	22,623	15,597	213,643	380,133	200,549	47,842	108,285	82,411
South Dakota	11,313	14,039	13,511	154,749	411,837	234,807	32,771	89,875	100,306
Nebraska	19,778	23,986	23,631	286,309	705,561	512,906	62,373	168,508	216,256
Kansas	30,442	26,923	25,270	287,082	424,469	333,506	70,820	109,914	130,231
South Atlantic	86,522	103,039	113,567	270,317	652,812	670,906	73,597	192,669	249,235
Delaware	2,021	1,903	1,723	8,802	11,422	9,874	3,009	4,460	4,326
Maryland	10,754	10,407	10,118	44,399	75,082	69,717	15,674	27,481	29,575
Dist. of Col	20	24	16	233	238	222	56	93	77
Virginia	17,410	21,155	24,269	62,377	151,585	159,208	15,440	41,726	55,800
West Virginia	7,878	9,031	8,409	21,549	43,989	38,533	5,593	11,206	13,828
North Carolina	19,252	20,149	24,983	42,952	103,282	119,996	9,958	31,908	43,621
South Carolina	11,189	12,265	13,669	39,594	92,053	80,251	10,109	25,153	32,564
Georgia	13,839	20,797	22,024	37,526	124,579	122,228	10,988	37,671	51,076
Florida	4,159	7,308	8,356	12,884	50,581	70,877	2,710	12,910	18,270
East S. Central	85,282	109,619	103,782	203,125	570,595	482,813	59,770	176,102	202,449
Kentucky	25,846	35,531	29,782	81,315	230,557	150,923	23,411	67,116	65,403
Tennessee	17,362	27,496	25,770	47,232	159,001	131,288	12,626	49,836	53,890
Alabama	19,230	24,748	23,659	32,311	81,889	79,541	10,351	29,103	33,328
Mississippi	22,844	21,844	24,571	42,266	99,149	121,061	13,381	30,046	49,829
West S. Central	96,687	131,550	117,523	494,015	1,134,848	924,782	121,386	304,632	345,423
Arkansas	16,555	29,504	26,489	35,035	129,348	115,471	8,941	38,539	46,283
Louisiana	7,520	10,301	12,958	28,772	68,362	70,564	8,950	20,491	30,270
Oklahoma	24,588	34,045	27,366	122,327	272,616	184,013	27,385	73,434	73,079
Texas	48,024	57,700	50,710	297,881	664,523	554,735	76,089	172,167	195,790
Mountain	26,731	74,118	59,368	247,994	927,906	543,823	59,364	283,424	234,899
Montana	3,900	21,244	11,754	44,615	240,550	95,174	10,741	77,950	42,565
Idaho	7,594	17,142	12,997	64,376	223,649	121,917	14,557	69,868	54,912
Wyoming	1,531	3,937	3,653	16,675	55,610	33,654	4,208	15,303	14,865
Colorado	7,571	15,735	14,444	77,332	211,701	144,065	18,986	62,623	61,408
New Mexico	1,397	4,331	4,828	10,683	43,085	31,215	2,590	11,178	11,579
Arizona	813	2,876	2,628	8,695	50,453	36,330	2,253	15,648	13,321
Utah	3,526	8,086	7,996	21,320	84,578	59,172	4,564	24,335	26,164
Nevada	309	767	1,008	4,297	18,281	22,296	1,464	6,519	10,084
Pacific	44,419	71,196	87,156	457,119	1,132,848	1,248,296	106,847	337,184	435,493
Washington	12,715	19,503	23,412	113,395	202,018	199,425	25,645	61,121	74,212
Oregon	10,274	14,355	17,303	93,525	166,663	174,196	21,166	51,999	65,592
California	21,430	37,338	46,351	250,199	764,166	874,675	60,037	224,064	295,689

Source: Bureau of the Census, Department of Commerce.

No. 601.—FARM EXPENDITURES FOR LABOR,

NOTE.—Data for 1930

Division and State	Labor						Fertilizer	
	Farms reporting				Cash expended (thousands of dollars)		Farms reporting	
	Number		Per cent of all farms				Number	
	1919	1924	1919	1924	1919	1924	1919	1924
United States	2,888,999	2,536,721	44.8	39.3	1,098,713	864,982	2,271,179	2,184,056
New England	90,031	77,313	57.5	48.6	43,687	41,245	77,965	74,289
Maine	26,735	23,641	55.4	47.3	7,506	6,800	22,641	25,437
New Hampshire	11,365	9,292	55.4	44.1	3,605	3,015	8,799	6,983
Vermont	18,171	14,822	62.5	53.3	5,789	4,560	14,568	13,006
Massachusetts	18,322	15,788	57.3	47.2	13,929	14,375	16,992	15,146
Rhode Island	2,296	2,159	56.2	55.2	1,730	1,894	2,297	2,184
Connecticut	13,142	11,611	58.0	50.0	11,067	10,602	12,668	11,533
Middle Atlantic	260,960	214,879	61.4	51.3	95,198	80,797	280,583	250,649
New York	121,256	101,091	62.8	53.6	49,346	42,236	113,578	102,403
New Jersey	18,588	15,478	62.6	52.2	14,359	14,186	22,774	20,191
Pennsylvania	121,116	98,310	59.9	49.0	31,494	24,376	144,231	128,055
East North Central	582,822	472,301	53.7	44.9	192,314	126,504	360,314	315,639
Ohio	124,806	92,190	48.6	37.7	36,339	22,026	165,556	137,207
Indiana	93,207	66,430	45.4	33.9	25,609	14,648	98,703	76,950
Illinois	151,300	124,543	63.8	55.2	60,909	43,146	22,488	21,559
Michigan	102,431	85,213	52.1	44.3	24,876	19,847	65,782	61,874
Wisconsin	110,878	103,925	58.6	53.8	34,582	26,837	7,785	18,049
West North Central	672,998	605,112	61.4	54.7	263,703	186,964	60,918	44,007
Minnesota	111,697	104,924	62.6	55.7	36,451	27,463	3,031	4,989
Iowa	136,682	119,753	64.0	56.1	52,942	35,529	3,177	6,382
Missouri	125,248	94,715	47.6	36.4	33,037	18,632	47,383	27,924
North Dakota	51,109	62,050	65.8	81.7	27,786	33,503	488	341
South Dakota	49,658	49,540	66.5	62.3	24,122	15,492	176	300
Nebraska	80,696	74,950	64.9	58.7	34,604	22,560	476	815
Kansas	117,908	102,180	71.3	61.6	54,761	33,785	6,183	3,247
South Atlantic	376,580	306,598	32.5	27.7	88,226	73,336	933,634	842,966
Delaware	5,394	4,426	53.2	43.2	2,052	1,709	9,107	7,836
Maryland	29,123	24,865	60.8	50.3	12,915	9,833	39,270	35,595
Dist. of Columbia	112	78	54.9	56.1	140	322	116	89
Virginia	66,500	60,427	35.7	31.2	17,003	15,237	135,218	126,373
West Virginia	31,328	24,300	35.9	26.9	4,787	3,761	35,309	28,945
North Carolina	78,394	69,561	29.1	24.5	10,818	8,096	228,767	238,319
South Carolina	62,095	39,531	32.2	22.9	13,688	8,159	176,537	155,650
Georgia	83,444	60,345	26.9	24.2	16,705	11,926	280,385	212,214
Florida	20,190	23,275	37.4	39.3	10,118	14,232	28,025	37,945
East South Central	247,906	193,262	23.6	19.2	37,855	26,016	418,217	446,613
Kentucky	76,953	54,870	28.4	21.2	15,202	8,881	86,687	71,874
Tennessee	70,494	56,341	27.9	22.3	9,647	7,097	84,827	86,082
Alabama	57,308	52,892	22.4	22.3	6,589	5,503	175,407	184,079
Mississippi	43,151	29,159	15.9	11.3	6,327	4,535	71,296	104,578
West South Central	339,994	286,280	39.2	38.0	147,417	119,705	108,894	178,490
Arkansas	66,720	62,223	28.7	28.0	12,068	9,678	41,338	56,828
Louisiana	30,166	27,191	22.3	20.5	19,700	11,856	37,652	54,412
Oklahoma	102,674	94,978	53.5	48.2	35,333	26,238	2,445	2,235
Texas	190,434	201,888	43.7	43.4	80,315	71,933	27,459	65,021
Mountain	125,480	128,868	51.4	55.2	84,892	68,350	4,926	4,077
Montana	24,378	30,408	42.3	64.8	15,603	15,136	453	132
Idaho	24,789	22,811	58.9	56.2	14,734	9,294	575	633
Wyoming	6,961	7,012	44.2	45.2	6,717	5,733	55	45
Colorado	35,149	33,749	58.6	58.2	23,147	16,854	1,184	1,182
New Mexico	11,338	11,823	38.7	37.3	5,260	4,934	1,468	1,127
Arizona	5,639	5,820	56.5	53.9	7,664	7,287	126	252
Utah	15,033	14,017	58.6	57.4	7,472	5,145	1,017	684
Nevada	1,993	2,328	63.0	60.0	4,296	3,968	58	22
Pacific	142,428	149,108	60.8	56.1	155,420	142,064	25,733	27,320
Washington	38,055	36,155	57.4	49.3	28,330	21,727	3,645	4,891
Oregon	27,959	28,117	55.7	50.3	17,162	14,991	5,614	5,883
California	76,414	84,836	64.9	62.2	109,928	105,346	16,474	16,546

Source: Bureau of the Census, Department of Commerce.

FERTILIZER, AND FEED: BY STATES, 1919 AND 1924

are not yet available

Fertilizer—Continued				Feed						Division and State
Farms reporting—Continued		Cash expended (thousands of dollars)		Farms reporting				Cash expended (thousands of dollars)		
Per cent of all farms				Number		Per cent of all farms				
1919	1924	1919	1924	1919	1924	1919	1924	1919	1924	
35.2	34.3	326,400	230,528	3,511,121	3,190,739	54.4	50.1	1,097,225	750,445	United States.
49.3	46.6	18,323	16,336	134,450	130,968	85.9	82.1	69.539	64,822	New England.
46.9	50.8	7,759	7,096	39,794	37,257	82.5	74.5	14,859	11,908	Maine.
42.9	33.1	526	441	18,015	17,228	87.8	81.8	8,726	7,467	New Hampshire.
50.1	46.8	857	794	25,389	23,287	87.3	83.8	11,071	10,034	Vermont.
53.1	45.3	3,907	3,336	27,853	28,853	87.0	86.2	20,273	19,775	Massachusetts.
56.3	55.8	380	301	3,608	3,633	88.4	92.9	2,889	3,046	Rhode Island.
55.9	49.6	4,894	4,369	19,791	20,710	87.4	89.1	11,721	12,590	Connecticut.
66.0	59.8	41,438	31,393	340,080	320,362	80.0	76.5	149,363	122,185	Middle Atlantic.
58.8	54.3	15,067	11,607	158,428	145,614	82.0	77.1	82,966	62,075	New York.
76.7	68.0	10,743	8,597	24,933	24,906	83.9	83.9	14,719	16,469	New Jersey.
71.3	63.9	15,628	11,189	156,719	149,842	77.5	74.8	51,678	43,621	Pennsylvania.
33.2	30.0	30,589	22,140	683,476	605,911	63.0	57.6	197,070	119,625	East North Central.
64.5	56.1	13,206	9,082	161,658	142,395	63.0	58.2	40,378	26,087	Ohio.
48.1	39.3	8,735	5,712	130,075	102,795	63.4	52.5	42,306	19,066	Indiana.
9.5	9.6	2,999	2,238	158,180	128,484	66.7	57.0	64,528	32,871	Illinois.
33.5	32.2	4,873	3,071	111,191	95,302	56.0	49.6	21,939	14,600	Michigan.
4.1	9.3	780	1,137	122,372	136,935	64.6	70.9	27,919	27,002	Wisconsin.
5.6	4.0	6,168	3,092	693,629	600,966	63.2	54.1	307,163	173,731	West North Central.
1.7	2.7	433	454	100,530	95,044	56.3	50.5	22,941	14,639	Minnesota.
1.5	3.0	597	538	147,605	134,282	69.2	62.9	79,069	49,281	Iowa.
18.0	10.7	3,941	1,498	164,639	144,742	62.6	55.6	60,172	33,841	Missouri.
.6	.4	120	76	41,967	26,260	54.0	34.6	12,155	3,845	North Dakota.
.2	.4	34	52	37,966	30,411	50.9	38.2	16,689	8,737	South Dakota.
.4	.6	65	133	83,374	71,092	67.0	55.7	58,624	34,309	Nebraska.
3.7	2.0	979	342	117,548	99,135	71.1	59.8	57,515	29,078	Kansas.
80.6	76.1	185,700	110,472	430,494	402,747	41.5	36.3	60,505	49,770	South Atlantic.
89.8	76.4	1,222	1,142	6,405	6,926	63.2	67.5	1,490	1,935	Delaware.
82.0	72.6	7,610	5,126	33,353	32,544	69.6	66.4	8,045	7,600	Maryland.
56.9	64.0	23	39	163	100	75.0	71.9	171	201	Dist.of Columbia.
72.6	65.2	17,278	13,083	97,297	91,338	52.2	47.1	12,400	10,367	Virginia.
40.5	32.0	1,710	1,049	47,183	51,466	54.1	56.9	5,640	5,962	West Virginia.
84.8	84.1	48,797	32,002	128,964	107,359	47.8	37.9	12,292	8,675	North Carolina.
91.6	90.1	52,547	24,306	60,088	26,741	31.2	15.5	5,904	2,322	South Carolina.
90.2	85.2	46,196	21,100	86,580	62,682	27.9	25.2	9,539	6,305	Georgia.
53.6	64.1	10,317	12,625	20,471	23,591	37.9	39.8	5,025	6,403	Florida.
39.8	44.4	25,477	25,891	369,149	368,694	35.1	36.6	43,364	35,583	East South Central.
32.0	27.8	3,597	2,279	119,689	94,052	44.2	36.4	16,017	9,163	Kentucky.
33.6	34.1	3,525	2,786	100,074	92,139	39.6	36.5	11,165	8,701	Tennessee.
68.5	77.5	14,066	14,564	71,668	86,606	28.0	36.4	5,921	7,063	Alabama.
26.2	40.7	4,288	6,262	77,718	95,897	28.6	37.3	10,261	10,656	Mississippi.
10.9	17.5	8,697	11,461	505,490	486,710	50.7	47.8	121,092	72,778	West South Central.
17.8	25.6	2,673	2,995	118,998	111,809	51.2	50.4	17,725	12,379	Arkansas.
27.8	41.1	3,840	4,140	56,423	66,910	41.7	50.5	12,232	10,121	Louisiana.
1.3	1.1	452	203	114,488	106,105	59.6	53.8	30,372	15,618	Oklahoma.
6.3	14.0	1,831	4,124	215,581	201,886	49.4	43.4	60,762	34,661	Texas.
2.0	1.7	809	378	141,139	107,395	57.8	46.0	68,636	31,638	Mountain.
.8	.3	126	6	37,901	16,406	65.7	35.0	19,791	3,578	Montana.
1.4	1.6	106	59	24,062	19,360	57.1	47.7	10,709	5,494	Idaho.
.3	.3	8	7	8,823	7,050	50.0	45.4	6,910	2,587	Wyoming.
2.0	2.0	294	127	36,092	29,598	60.2	51.0	13,431	10,371	Colorado.
4.9	3.6	113	88	14,586	15,349	48.9	48.4	5,371	3,347	New Mexico.
1.3	2.3	41	46	4,906	6,139	49.2	56.8	2,060	2,413	Arizona.
4.0	2.6	109	42	13,082	11,313	51.0	43.5	3,941	2,502	Utah.
1.8	.6	10	2	1,687	2,180	53.3	56.1	1,423	1,346	Nevada.
11.0	10.3	9,198	9,365	163,214	166,986	69.7	62.9	80,493	80,333	Pacific.
5.5	6.7	526	535	51,038	51,230	77.0	69.9	20,722	17,161	Washington.
11.2	10.5	490	458	34,404	35,381	68.5	63.3	13,390	10,156	Oregon.
14.0	12.1	8,183	8,371	77,772	80,375	66.1	58.9	46,381	53,016	California.

No. 602.—NUMBER OF FARMS: BY KIND OF ROAD ON WHICH LOCATED AND DISTANCE FROM NEAREST MARKET TOWN

NOTE.—Data for 1930 are not yet available

Item	United States	New England	Middle Atlantic	East North Central	West North Central
Total number of farms	6,371,640	159,489	418,968	1,051,572	1,111,314
Kind of road located on:					
Concrete or brick	156,434	2,066	26,048	52,298	8,735
Macadam	316,527	19,074	66,883	101,231	6,420
Gravel	946,057	38,936	33,832	330,076	115,906
Improved dirt	1,998,704	35,656	63,270	188,522	495,410
Unimproved dirt	2,747,732	60,808	208,958	337,794	450,338
All other (including not reported)	206,186	2,949	19,877	32,651	34,505
Distance from nearest market town:					
Farms reporting	6,279,368	157,877	408,754	1,036,655	1,094,313
Under 2 miles	802,785	26,044	60,893	170,599	154,633
2 to 3.9 miles	1,463,173	40,700	107,896	325,945	289,257
4 to 5.9 miles	1,261,574	30,756	80,765	250,937	262,173
6 to 7.9 miles	902,098	21,406	52,986	138,091	167,751
8 to 9.9 miles	563,244	13,161	30,985	65,247	90,410
10 to 14.9 miles	736,034	16,596	43,540	58,777	86,522
15 miles and over	550,460	9,214	31,709	27,059	43,567
Farms not reporting	92,272	1,612	10,114	14,917	17,001

Item	South Atlantic	East South Central	West South Central	Mountain	Pacific
Total number of farms	1,108,061	1,006,052	1,017,805	233,392	265,587
Kind of road located on:					
Concrete or brick	24,644	6,495	7,548	4,833	23,767
Macadam	30,672	64,227	7,753	831	19,436
Gravel	42,703	152,580	112,573	30,954	79,497
Improved dirt	385,994	281,337	410,785	82,777	54,953
Unimproved dirt	589,343	472,522	452,117	102,245	73,607
All other (including not reported)	34,705	28,891	26,529	11,752	14,327
Distance from nearest market town:					
Farms reporting	1,093,177	991,780	1,006,320	229,543	260,949
Under 2 miles	106,063	97,324	109,278	28,595	49,356
2 to 3.9 miles	208,330	181,479	202,324	39,094	67,548
4 to 5.9 miles	196,270	168,921	196,898	30,955	43,809
6 to 7.9 miles	165,121	144,501	159,907	23,516	28,839
8 to 9.9 miles	115,448	107,158	105,646	16,723	18,466
10 to 14.9 miles	162,883	171,910	142,757	28,049	25,050
15 miles and over	139,112	120,487	89,510	62,011	27,791
Farms not reporting	14,884	14,272	10,985	3,849	4,538

Source: Bureau of the Census, Department of Commerce.

No. 603.—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 (1910–1914=100)	Year	Average yearly farm wage per month—		Weighted average wage rate per month	Index numbers of farm wages (1910–1914=100)
	With board	Without board				With board	Without board		
1866	$10.09	$15.50	$13.14	55	1912	$20.46	$29.14	$24.01	101
1874 or 1875	11.16	17.10	14.19	59	1913	21.27	30.21	24.83	104
1879 or 1880	11.70	17.53	14.14	59	1914	20.90	29.72	24.26	101
1880 or 1881	12.32	18.52	14.82	62	1915	21.08	29.97	24.46	102
1881 or 1882	12.88	19.11	15.48	65	1916	23.04	32.58	26.83	112
1884 or 1885	13.08	19.22	15.58	65	1917	28.64	40.19	33.42	140
1887 or 1888	13.29	19.67	15.87	66	1918	35.12	49.13	42.12	176
1889 or 1890	13.29	19.45	15.79	66	1919	40.14	56.77	49.11	206
1891 or 1892	13.48	20.02	16.06	67	1920	47.24	65.05	57.01	239
1893	13.85	19.97	15.93	67	1921	30.25	43.58	35.77	150
1894	12.70	18.57	14.60	61	1922	29.31	42.09	34.91	146
1895	12.75	18.74	14.69	62	1923	33.09	46.74	39.64	166
1898	13.29	19.16	15.58	65	1924	33.34	47.22	39.67	166
1899	13.90	19.97	16.34	68	1925	33.88	47.80	40.12	168
1902	15.51	22.12	18.12	76	1926	34.86	48.86	40.88	171
1906	18.73	26.19	21.92	92	1927	34.58	48.63	40.60	170
1909	20.48	28.09	23.00	96	1928	34.66	48.65	40.44	169
1910	19.58	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

Basis of rate and division	1929				1930				1931	
	Jan. 1	Apr. 1	July 1	Oct. 1	Jan. 1	Apr. 1	July 1	Oct. 1	Jan. 1	Apr. 1
PER MONTH, WITH BOARD										
United States	$33.04	$34.68	$36.08	$35.90	$32.29	$33.83	$33.47	$31.23	$26.03	$25.99
North Atlantic States	43.48	46.12	48.35	47.72	44.57	45.05	45.43	42.89	36.59	36.22
North Central States	37.49	41.81	43.40	42.79	36.24	40.21	39.42	36.98	28.56	31.28
South Atlantic States	24.47	24.20	24.98	25.52	23.28	23.30	23.05	21.75	19.53	17.50
South Central States	25.26	25.00	26.39	25.86	24.75	24.71	24.48	21.96	19.34	17.88
Western States	51.54	53.94	55.28	56.54	50.06	53.99	53.52	51.23	42.65	43.07
PER MONTH, WITHOUT BOARD										
United States	47.24	49.00	50.53	50.00	46.80	47.81	47.24	44.28	39.04	38.37
North Atlantic States	66.22	68.74	70.97	69.90	67.46	67.23	67.62	64.66	58.65	56.86
North Central States	51.74	56.44	58.18	57.41	51.20	54.34	53.01	50.14	42.20	43.96
South Atlantic States	35.13	35.10	35.77	36.02	34.12	33.88	33.28	31.65	28.93	26.44
South Central States	36.23	35.95	37.44	36.70	35.53	35.30	35.27	31.23	28.69	26.64
Western States	74.72	76.99	79.11	78.93	75.10	77.27	76.36	73.97	63.73	65.02
PER DAY, WITH BOARD										
United States	1.78	1.79	1.89	1.92	1.73	1.72	1.72	1.61	1.38	1.38
North Atlantic States	2.56	2.60	2.79	2.83	2.55	2.55	2.59	2.50	2.19	2.11
North Central States	2.17	2.21	2.36	2.43	2.08	2.11	2.09	1.97	1.62	1.61
South Atlantic States	1.29	1.28	1.31	1.32	1.24	1.20	1.20	1.10	1.00	.90
South Central States	1.28	1.26	1.34	1.32	1.23	1.22	1.21	1.07	.95	.89
Western States	2.44	2.42	2.51	2.57	2.38	2.39	2.42	2.36	1.98	1.96
PER DAY, WITHOUT BOARD										
United States	2.34	2.34	2.43	2.46	2.27	2.27	2.23	2.12	1.87	1.80
North Atlantic States	3.42	3.44	3.57	3.63	3.31	3.38	3.34	3.27	2.99	2.86
North Central States	2.83	2.88	3.02	3.07	2.74	2.78	2.71	2.60	2.21	2.19
South Atlantic States	1.69	1.66	1.70	1.71	1.62	1.57	1.55	1.46	1.37	1.23
South Central States	1.68	1.65	1.71	1.72	1.63	1.60	1.55	1.40	1.25	1.16
Western States	3.24	3.21	3.32	3.39	3.19	3.22	3.25	3.14	2.75	2.73

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 604.—FERTILIZER: ESTIMATED SALES IN THE UNITED STATES

NOTE.—Data are based on fertilizer tag sales for Southern States and on sales records, etc., for others. Where actual sales records are not available, estimates made by State authorities or the office of the National Fertilizer Association and based largely on records are shown as indicated by footnotes. Estimates in a number of cases have been revised and differ from those previously published

[In tons of 2,000 pounds]

Division and State	1923	1924	1925	1926	1927	1928	1929	1930
United States	6,442,314	6,824,911	7,333,166	7,328,268	6,843,199	7,985,019	7,974,712	8,109,636
New England	345,709	355,768	360,656	316,700	363,147	365,119	359,046	374,540
Maine	[1] 168,000	[1] 182,000	[1] 185,000	147,000	183,750	[2] 178,750	185,650	195,650
New Hampshire [1,5]	17,000	16,000	16,000	14,680	16,875	16,900	16,900	17,000
Vermont	[1] 18,000	[1] 17,000	[1] 18,000	[1] 18,000	15,663	16,911	14,905	16,069
Massachusetts [3]	63,709	61,968	62,656	58,920	71,734	70,458	62,491	66,621
Rhode Island [3,4]	9,000	8,800	9,000	8,100	10,125	10,100	10,100	10,200
Connecticut [1]	70,000	70,000	70,000	70,000	65,000	72,000	69,000	[5] 69,000
Middle Atlantic	716,239	722,512	738,148	698,045	728,149	743,558	724,377	738,445
New York	[2] 250,000	[2] 250,000	253,000	234,000	260,000	[2] 260,000	[2] 250,000	[5] 250,000
New Jersey [6]	157,497	152,827	146,685	135,141	141,635	143,574	141,981	156,445
Pennsylvania	308,742	319,685	328,462	328,904	326,514	[2] 339,984	332,396	[5] 332,000
East North Central	617,065	640,806	694,517	679,001	718,948	755,711	820,402	773,274
Ohio	303,120	321,287	321,960	304,480	312,703	320,866	338,662	327,179
Indiana [3]	198,581	192,417	226,148	228,280	240,498	221,082	250,201	224,055
Illinois	16,719	17,527	24,582	25,227	[2] 26,000	30,500	38,056	40,818
Michigan	83,645	94,575	109,327	105,014	117,227	[2] 150,313	[2] 152,812	[5] 130,000
Wisconsin	15,000	15,000	12,500	16,000	22,520	33,041	40,671	51,222
West North Central	67,997	64,971	83,952	82,874	83,574	99,565	100,359	109,060
Minnesota	[2] 7,000	[2] 8,000	[2] 9,000	11,316	11,387	[2] 14,211	13,024	[1] 15,500
Iowa	[2] 4,000	[2] 4,500	[1] 6,000	[7] 6,021	[7] 7,181	[1] 10,000	[1] 17,000	24,507
Missouri [3]	51,597	47,121	63,939	59,891	56,100	64,922	58,892	59,810
North Dakota	[2] 150	[2] 200	[2] 225	250	398	[2] 450	[1] 550	[1] 1,548
South Dakota [2]	150	150	150	150	200	220	250	250
Nebraska [2]	500	500	500	500	500	600	700	1,000
Kansas	[2] 4,600	[2] 4,500	[2] 4,133	7,746	[2] 7,800	9,162	[8] 9,043	[8] 6,355
South Atlantic	3,488,319	3,741,099	3,927,484	3,921,678	3,686,528	4,191,219	4,035,805	4,126,305
Delaware	36,931	36,224	41,006	43,084	41,126	40,817	41,000	43,000
Maryland	155,168	151,211	165,474	163,285	165,174	173,159	165,443	177,021
Virginia [3]	422,350	441,895	451,656	435,223	408,008	437,709	420,886	449,178
West Virginia [2]	40,000	40,000	41,000	43,000	43,500	49,700	49,700	50,000
North Carolina [3]	1,066,553	1,183,053	1,217,822	1,218,176	1,171,499	1,349,360	1,293,572	1,242,036
South Carolina [3]	693,386	844,440	873,255	840,128	726,736	788,293	760,069	749,230
Georgia [3]	675,867	678,959	778,808	780,302	713,047	883,274	868,911	928,606
Florida [3]	398,564	365,317	358,463	398,480	417,438	468,907	427,224	487,324
East South Central	852,669	863,192	1,091,317	1,141,275	860,123	1,255,676	1,239,001	1,325,327
Kentucky	90,000	85,000	93,000	91,500	70,500	90,500	93,000	114,000
Tennessee [3]	106,361	115,230	142,174	156,336	112,473	150,726	142,745	163,909
Alabama [3]	447,913	456,840	598,115	615,364	478,400	681,100	675,450	643,700
Mississippi [3]	208,385	206,122	258,028	278,075	218,750	333,350	327,806	403,718
West South Central	266,627	363,209	340,179	371,090	253,137	422,930	532,415	485,039
Arkansas [3]	79,616	96,750	123,387	126,175	75,487	126,391	156,582	157,648
Louisiana [3]	104,624	124,608	110,784	114,347	92,860	143,693	174,278	175,560
Oklahoma	[2,3] 3,600	[2,3] 4,000	[1,3] 5,000	[1,3] 5,418	[1,3] 4,263	[3] 8,203	[3] 9,422	[3] 6,613
Texas [3]	78,787	127,791	101,008	125,150	80,521	144,643	192,133	145,218
Mountain	2,380	2,580	2,980	3,553	3,833	4,558	5,330	7,067
Montana				[2] 50	[1] 90	[2] 100	[2] 100	[2] 100
Idaho [3]	[1] 400	[1] 400	[1] 400	[1] 420	[2] 450	[2] 500	[2] 550	[2] 1,250
Wyoming [3]			100	150	200	300	000	650
Colorado	[2] 250	[2] 250	[2] 250	337	007	[1] 728	[1] 800	[1] 900
New Mexico	800	[2] 1,000	[2] 1,200	1,556	1,256	[2] 1,400	[2] 1,500	[2] 1,787
Arizona	[2] 500	[2] 500	[2] 500	[2] 500	[1] 700	[1] 1,000	[1] 1,200	[1] 1,800
Utah	[2] 400	[2] 400	[1] 500	[1] 500	[2] 500	[2] 500	[2] 550	[2] 550
Nevada [2]	30	30	30	30	30	30	30	30
Pacific	84,619	80,774	108,933	114,052	125,768	146,683	157,977	170,489
Washington	[2] 15,000	[2] 7,000	[2] 10,000	12,207	14,244	[2] 15,500	[2] 17,500	[2] 17,500
Oregon	[2] 8,000	[2] 7,500	[1] 8,000	[2] 8,000	[2] 9,000	[1] 10,000	[1] 10,000	[1] 10,500
California	71,819	66,274	85,933	93,845	102,524	121,183	130,477	142,489

[1] Estimated by State authorities.
[2] Estimated.
[3] Year ended June 30.
[4] Year ended Mar. 31.
[5] Preliminary.
[6] Year ended Oct. 31.
[7] Totals of four companies plus estimates for others.
[8] Based on tag sales.

Source: The National Fertilizer Association.

No. 605.—COOPERATIVE MARKETING AND PURCHASING THROUGH FARMERS' ORGANIZATIONS: BY DIVISIONS, 1919 AND 1924

NOTE.—For total number of all farms (base for percentages) see Table 582. The 1930 census data are not yet available

Division	Number of farms reporting sales			Number of farms reporting purchases			Value of farm products sold		Value of supplies purchased	
	1919	1924	Per cent of all farms, 1924	1919	1924	Per cent of all farms, 1924	1919	1924	1919	1924
							Thousands of dollars			
United States	511,383	884,207	13.9	329,449	362,745	5.7	721,084	858,284	84,616	75,071
New England	4,060	10,845	6.8	7,579	10,787	6.8	5,017	20,745	3,036	5,709
Middle Atlantic	33,854	39,295	9.4	17,884	24,716	5.9	61,224	50,274	6,194	7,377
East North Central	144,339	205,409	19.5	83,518	103,199	9.8	132,639	145,068	14,306	15,688
West North Central	243,288	303,190	27.3	166,084	140,588	12.7	300,821	292,354	43,116	25,740
South Atlantic	9,517	90,879	8.2	12,230	20,830	1.9	20,640	73,377	2,608	4,968
East South Central	12,705	91,073	9.1	5,285	21,293	2.1	5,271	49,827	763	2,692
West South Central	15,635	67,715	6.7	9,332	17,720	1.7	20,934	75,724	2,803	2,703
Mountain	12,785	24,581	10.5	13,875	8,000	3.4	17,443	35,043	3,769	1,710
Pacific	35,200	51,220	19.3	13,662	15,612	5.9	151,094	115,871	8,021	9,385

Source: Bureau of the Census, Department of Commerce.

No. 606.—COOPERATIVE MARKETING AND PURCHASING THROUGH FARMERS' ORGANIZATIONS: BY STATES, 1924

NOTE.—The 1930 census data are not yet available

State	Number of farms reporting—		Value (thousands of dollars) of—		State	Number of farms reporting—		Value (thousands of dollars) of—	
	Sales	Purchases	Farm products sold	Supplies purchased		Sales	Purchases	Farm products sold	Supplies purchased
New England:					**South Atlantic—Con.**				
Maine	2,555	1,896	3,823	626	West Virginia	3,106	2,769	919	320
New Hampshire	428	1,701	375	911	North Carolina	22,167	2,791	13,018	450
Vermont	2,745	3,186	3,877	1,485	South Carolina	10,501	819	8,922	335
Massachusetts	2,091	2,278	4,145	1,462	Georgia	13,376	2,388	9,082	304
Rhode Island	235	213	571	123	Florida	7,755	2,063	13,104	1,257
Connecticut	2,791	1,513	7,955	1,102	**East South Central:**				
Middle Atlantic:					Kentucky	53,704	3,308	27,515	504
New York	26,586	12,609	37,945	3,927	Tennessee	15,303	4,490	7,182	446
New Jersey	1,401	1,806	2,309	957	Alabama	11,365	7,040	7,029	1,021
Pennsylvania	11,308	10,601	10,020	2,492	Mississippi	10,701	5,855	8,102	721
East North Central:					**West South Central:**				
Ohio	39,995	24,711	27,991	3,590	Arkansas	8,861	3,910	7,119	459
Indiana	28,550	14,558	17,213	1,774	Louisiana	10,114	4,393	8,604	782
Illinois	52,606	17,471	52,828	2,979	Oklahoma	19,049	4,878	20,854	667
Michigan	38,730	25,124	19,552	3,607	Texas	29,691	4,539	39,147	794
Wisconsin	45,528	21,335	27,484	3,738	**Mountain:**				
West North Central:					Montana	2,899	708	3,081	135
Minnesota	79,861	26,066	73,261	3,844	Idaho	3,272	1,040	2,712	144
Iowa	72,639	34,034	81,291	6,581	Wyoming	1,231	512	1,009	226
Missouri	60,860	33,343	32,575	4,588	Colorado	10,828	3,703	21,090	883
North Dakota	12,913	5,527	17,032	1,363	New Mexico	2,014	829	3,254	139
South Dakota	17,769	8,835	18,651	1,451	Arizona	523	222	1,514	65
Nebraska	28,139	15,461	32,741	3,715	Utah	3,775	974	2,308	116
Kansas	30,979	17,322	36,805	4,199	Nevada	39	12	16	2
South Atlantic:					**Pacific:**				
Delaware	193	415	122	136	Washington	13,205	6,500	20,564	3,470
Maryland	6,121	3,817	7,298	910	Oregon	5,590	2,858	8,062	1,160
Virginia	27,560	5,768	20,912	1,256	California	32,425	6,254	87,245	4,755

Source: Bureau of the Census, Department of Commerce.

No. 607.—FARMERS' BUSINESS ASSOCIATIONS: NUMBER OF ASSOCIATIONS LISTED 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			Estimated membership			Estimated business		
	1915	1925	1930	1915	1925	1930	1915	1924–25	1929–30
United States	5,424	10,803	12,000	651,186	2,700,000	3,100,000	635,839	2,400,000	2,500,000
New England	157	259	197	21,054	75,000	88,000	6,974	85,170	92,810
Maine	71	82	51	8,071	14,400	9,700	2,691	12,460	4,280
New Hampshire	8	14	15	1,912	2,600	3,800	140	3,230	3,120
Vermont	23	61	51	1,052	8,200	11,100	1,267	11,040	13,530
Massachusetts	31	48	38	6,657	39,200	55,800	1,892	39,130	56,520
Rhode Island	4	7	7	822	400	600	169	1,300	960
Connecticut	20	47	35	2,540	10,200	7,000	815	18,010	14,400
Middle Atlantic	210	522	430	63,971	180,000	207,900	56,096	153,080	233,540
New York	124	286	223	10,526	100,000	122,500	51,745	103,760	171,600
New Jersey	20	20	32	7,339	6,000	9,400	393	5,930	5,240
Pennsylvania	66	216	175	46,106	54,000	76,000	3,958	43,390	56,700
East North Central	973	3,075	3,456	107,381	575,000	811,500	90,114	558,270	589,230
Ohio	97	395	386	14,370	115,300	172,400	5,721	107,340	101,050
Indiana	84	330	337	5,342	80,300	110,600	3,342	60,440	49,990
Illinois	263	822	970	31,077	131,000	206,700	32,679	195,210	204,600
Michigan	127	436	433	21,162	128,300	142,500	16,542	82,200	86,100
Wisconsin	402	1,092	1,330	35,380	120,100	179,300	37,831	113,080	147,490
West North Central	2,577	4,825	5,327	254,425	850,000	1,242,400	286,535	836,630	859,220
Minnesota	980	1,383	1,568	90,392	217,400	330,200	58,968	223,980	218,210
Iowa	505	1,004	1,200	59,151	179,800	267,600	106,758	172,710	210,520
Missouri	73	537	640	6,737	170,600	180,400	1,243	83,490	94,340
North Dakota	313	460	535	22,453	60,300	102,200	47,260	91,280	71,700
South Dakota	178	397	409	17,451	65,000	94,700	23,817	74,080	62,980
Nebraska	282	488	510	29,396	74,100	178,200	15,539	91,930	103,220
Kansas	246	466	465	28,875	82,800	89,100	32,950	99,160	98,250
South Atlantic	329	385	451	37,097	280,000	125,400	10,263	152,325	107,070
Delaware	5	12	4	1,452	1,200	200	299	960	600
Maryland	19	16	35	1,760	12,600	19,400	387	12,200	19,510
Dist. of Columbia		1	1		1,000	1,100		2,300	5,000
Virginia	58	96	78	12,228	25,700	26,100	1,675	21,615	18,410
West Virginia	12	42	55	1,712	6,100	10,000	538	2,820	4,760
North Carolina	74	50	64	9,979	139,900	20,500	3,578	43,380	13,720
South Carolina	37	18	18	2,649	16,600	6,900	1,873	18,130	9,260
Georgia	55	46	68	4,228	67,900	27,200	439	16,210	11,140
Florida	69	104	128	3,089	9,000	14,000	1,481	34,710	24,670
East South Central	215	277	305	35,834	295,000	169,300	7,170	117,270	64,390
Kentucky	66	56	61	19,460	194,700	69,300	3,909	58,650	6,930
Tennessee	59	111	108	6,960	32,600	27,700	1,047	9,560	7,360
Alabama	51	63	83	7,058	38,300	39,600	1,115	16,940	21,550
Mississippi	42	47	53	2,356	29,400	22,700	500	32,120	28,550
West South Central	315	454	602	30,793	250,000	180,500	7,684	128,830	122,690
Arkansas	89	101	127	5,714	54,500	21,000	906	17,935	8,760
Louisiana	44	38	49	4,164	25,800	18,100	1,976	13,340	16,910
Oklahoma	48	143	226	3,673	92,200	79,400	2,455	46,550	56,340
Texas	134	172	200	17,242	77,500	62,000	2,346	50,805	40,680
Mountain	232	363	454	34,731	75,000	100,300	20,486	70,950	70,680
Montana	51	102	135	4,784	21,200	20,700	4,823	19,600	17,570
Idaho	59	59	65	15,826	11,200	18,400	5,350	13,250	14,300
Wyoming	16	18	35	1,271	2,300	7,100	1,763	2,520	5,930
Colorado	53	101	123	6,486	21,200	27,100	4,821	23,600	17,270
New Mexico	13	20	25	880	2,500	4,700	765	2,160	3,190
Arizona	7	20	19	840	2,600	3,000	522	5,240	2,950
Utah	31	41	44	4,330	13,800	18,200	2,348	4,410	8,580
Nevada	2	2	8	314	200	1,000	93	80	890
Pacific	416	643	776	65,950	140,000	184,200	150,511	297,875	380,370
Washington	134	172	196	32,734	31,700	51,200	18,968	52,060	81,160
Oregon	85	121	143	10,841	17,100	33,900	9,754	21,655	26,470
California	197	350	439	22,375	91,200	99,100	121,789	223,960	252,740
Leading Commodity groups:									
Cotton and products	218	121	199	18,404	300,000	150,000	1,502	150,000	110,000
Dairy products	1,708	2,197	2,458	140,567	460,000	650,000	89,061	535,000	680,000
Fruits and vegetables	871	1,237	1,384	109,916	180,000	218,000	201,543	280,000	320,000
Grain	1,637	3,338	3,448	166,828	520,000	810,000	289,689	750,000	690,000
Tobacco	43	24	15	17,849	300,000	75,000	6,450	90,000	6,800
Livestock	96	1,770	2,163	13,438	400,000	465,000	5,624	320,000	320,000
Poultry products	856	71	157	184,184	50,000	67,000	41,970	40,000	79,400
All others		2,045	2,186		490,000	665,000		235,000	293,800

Source: Federal Farm Board.

No. 608.—FARMS REPORTING MOTOR VEHICLES, TELEPHONES, WATER PIPED INTO HOUSE, AND GAS OR ELECTRIC LIGHT, 1920

NOTE.—Data for 1930 are not yet available

Division and State	Automobiles		Motor trucks		Tractors		Telephones		Water piped into house		Gas or electric light	
	Number of farms reporting	Per cent of all farms	Number of farms reporting	Per cent of all farms	Number of farms reporting	Per cent of all farms	Number of farms reporting	Per cent of all farms	Number of farms reporting	Per cent of all farms	Number of farms reporting	Per cent of all farms
United States	1,979,584	30.7	131,551	2.0	229,332	3.6	2,498,493	38.7	643,899	10.0	452,620	7.0
New England	40,289	25.7	7,284	4.7	2,245	1.4	80,510	51.4	74,954	47.9	24,000	15.3
Maine	11,686	24.2	1,061	2.2	605	1.3	23,632	49.0	18,020	37.4	4,625	9.6
New Hampshire	4,797	23.4	663	3.2	196	1.0	10,166	49.5	10,765	52.5	2,322	11.3
Vermont	7,611	26.2	576	2.0	424	1.5	16,752	57.6	18,301	62.9	3,328	11.4
Massachusetts	8,181	25.6	3,136	9.8	540	1.7	16,537	51.7	16,893	52.8	9,062	28.3
Rhode Island	1,198	29.3	471	11.5	69	1.7	1,685	41.3	1,451	35.5	700	17.1
Connecticut	6,796	30.0	1,377	6.1	411	1.8	11,738	51.8	9,524	42.0	3,963	17.5
Middle Atlantic	149,599	35.2	20,472	4.8	13,240	3.1	189,344	44.5	98,936	23.3	60,102	14.1
New York	68,003	35.2	8,636	4.5	7,021	3.6	91,973	47.6	45,487	23.5	24,882	12.9
New Jersey	11,731	39.5	3,075	10.4	845	2.8	9,484	31.9	7,047	23.7	4,551	15.3
Pennsylvania	69,865	34.5	8,761	4.3	5,374	2.7	87,887	43.5	46,402	22.9	30,669	15.2
East North Central	513,052	47.3	24,942	2.3	55,413	5.1	678,862	62.6	134,877	12.4	113,871	10.5
Ohio	119,511	46.6	6,960	2.7	9,934	3.9	159,478	62.1	41,531	16.2	37,745	14.7
Indiana	95,238	40.4	3,501	1.7	8,871	4.3	136,140	66.4	23,476	11.4	20,584	10.0
Illinois	125,586	52.9	5,907	2.5	21,932	9.2	173,572	73.2	26,676	11.2	23,273	9.8
Michigan	78,919	40.2	4,681	2.4	5,584	2.8	97,874	49.8	29,720	15.1	15,695	8.0
Wisconsin	93,798	49.6	3,893	2.1	9,092	4.8	111,798	59.1	13,465	7.1	16,574	8.8
West North Central	631,631	57.6	32,331	2.9	92,123	8.4	762,442	69.5	107,015	9.8	97,847	8.9
Minnesota	101,847	57.1	3,677	2.1	14,794	8.3	110,568	62.0	11,392	6.4	13,539	7.6
Iowa	156,081	73.1	8,669	4.1	19,427	9.1	183,852	86.1	33,851	15.9	32,552	15.3
Missouri	81,392	30.9	4,878	1.9	7,438	2.8	163,543	62.2	11,901	4.5	14,341	5.5
North Dakota	44,010	56.6	743	1.0	11,834	15.2	36,349	46.8	4,684	6.0	4,518	5.8
South Dakota	51,780	69.4	4,249	5.7	12,160	16.3	44,327	59.4	9,157	12.3	6,445	8.6
Nebraska	94,004	75.6	6,333	5.1	10,342	8.3	95,050	76.4	20,691	16.6	12,062	9.7
Kansas	102,517	62.0	3,782	2.3	16,128	9.8	128,753	77.9	15,339	9.3	14,300	8.7
South Atlantic	187,236	16.2	14,718	1.3	10,460	.9	164,213	14.2	38,775	3.3	45,407	3.9
Delaware	3,693	36.4	283	2.8	220	2.2	2,763	27.2	752	7.4	397	3.9
Maryland	16,049	33.5	2,556	5.3	1,410	2.9	11,755	24.5	6,702	14.0	3,330	7.0
District of Columbia	50	24.5	29	14.2	1	.5	67	32.8	51	25.0	52	25.5
Virginia	28,557	15.3	2,389	1.3	2,206	1.2	33,482	18.0	9,474	5.1	7,874	4.2
West Virginia	10,405	11.9	886	1.0	541	.6	37,789	43.3	4,974	5.7	12,900	14.8
North Carolina	41,839	15.5	2,551	.9	2,184	.8	33,029	12.2	4,423	1.6	7,816	2.9
South Carolina	30,709	15.9	1,609	.8	1,213	.6	10,043	5.7	3,443	1.8	5,170	2.7
Georgia	47,173	15.2	2,913	.9	2,083	.7	29,861	9.6	5,615	1.8	5,826	1.9
Florida	8,761	16.2	1,500	2.8	602	1.1	4,524	8.4	3,341	6.2	2,042	3.8
East South Central	81,830	7.8	4,869	.5	5,044	.5	196,692	18.7	15,999	1.5	21,720	2.1
Kentucky	28,532	10.5	1,455	.5	1,913	.7	73,145	27.0	5,139	1.9	5,925	2.2
Tennessee	22,446	8.9	1,362	.5	1,796	.7	56,880	22.5	4,890	1.9	4,554	1.8
Alabama	15,906	6.2	1,114	.4	737	.3	38,407	15.0	2,987	1.2	8,345	3.3
Mississippi	14,946	5.5	938	.3	598	.2	28,260	10.4	2,983	1.1	2,896	1.1
West South Central	173,609	17.4	8,960	.9	17,435	1.8	273,315	27.4	49,191	4.9	19,352	1.9
Arkansas	15,401	6.6	973	.4	1,423	.6	52,869	22.7	1,780	.8	2,643	1.1
Louisiana	9,494	7.0	793	.6	2,142	1.6	8,599	6.3	2,185	1.6	1,471	1.1
Oklahoma	49,017	25.5	2,070	1.1	5,786	3.0	71,613	37.3	6,946	3.5	7,010	3.7
Texas	99,697	22.9	5,124	1.2	8,084	1.9	140,234	32.2	38,580	8.8	8,228	1.9
Mountain	91,698	37.6	7,168	2.9	15,885	6.5	62,503	25.6	26,343	10.8	25,161	10.3
Montana	20,749	36.0	1,167	2.0	6,390	11.9	9,781	17.0	3,055	5.3	2,013	3.5
Idaho	16,651	39.5	779	1.9	1,408	3.5	13,837	32.9	5,240	12.4	5,982	14.2
Wyoming	6,180	39.2	554	3.5	969	6.2	4,449	28.3	1,035	6.6	717	4.6
Colorado	28,356	47.3	2,884	4.8	4,526	7.6	22,022	36.7	6,806	11.4	3,925	6.5
New Mexico	5,546	18.6	552	1.8	457	1.5	3,359	11.3	1,460	4.9	422	1.4
Arizona	4,534	45.5	527	5.3	820	8.2	1,638	16.4	1,988	19.9	592	5.9
Utah	8,246	32.1	544	2.1	553	2.2	6,295	24.5	6,179	24.1	11,125	43.4
Nevada	1,436	45.4	161	5.1	182	5.8	1,122	35.5	580	18.3	385	12.2
Pacific	110,640	47.2	10,809	4.6	17,507	7.5	90,612	38.7	97,809	41.8	45,160	19.3
Washington	27,626	41.7	3,172	4.8	2,474	3.7	27,952	42.2	18,967	28.6	9,178	13.8
Oregon	20,561	41.0	1,728	3.4	2,902	5.8	25,351	50.5	12,914	25.7	5,403	10.9
California	62,453	53.1	5,909	5.0	12,131	10.3	37,309	31.7	65,928	56.0	30,519	25.9

Source: Bureau of the Census, Department of Commerce.

No. 609.—FARMS REPORTING TRACTORS AND RADIO OUTFITS, 1925

NOTE.—For other farm equipment and conveniences in 1920 see Table 608. Data for 1930 are not yet available

Division and State	Tractors		Radio outfits	
	Number of farms reporting	Per cent of all farms	Number of farms reporting	Per cent of all farms
United States	**473,848**	**7.4**	**284,006**	**4.5**
New England	7,319	4.6	19,005	11.9
Maine	1,684	3.4	3,493	7.0
New Hampshire	494	2.3	2,366	11.2
Vermont	1,500	5.4	2,778	10.0
Massachusetts	2,046	6.1	6,434	19.2
Rhode Island	280	7.2	1,246	31.9
Connecticut	1,315	5.7	2,688	11.6
Middle Atlantic	47,471	11.3	45,812	10.9
New York	24,350	12.9	24,623	13.0
New Jersey	4,113	13.9	6,256	21.1
Pennsylvania	19,008	9.5	14,933	7.4
East North Central	141,670	13.5	69,291	6.6
Ohio	29,951	12.2	15,916	6.5
Indiana	22,817	11.7	8,663	4.4
Illinois	41,435	18.4	27,436	12.2
Michigan	18,515	9.6	9,028	4.7
Wisconsin	28,952	15.0	8,248	4.3
West North Central	151,838	13.7	88,529	8.0
Minnesota	25,539	13.6	11,770	6.3
Iowa	35,692	16.7	23,645	11.1
Missouri	12,066	4.6	17,591	6.8
North Dakota	15,853	20.9	4,729	6.2
South Dakota	16,373	20.6	4,866	6.1
Nebraska	17,727	13.9	12,739	10.0
Kansas	28,587	17.2	13,189	8.0
South Atlantic	28,938	2.6	12,636	1.1
Delaware	619	6.0	342	3.3
Maryland	3,814	7.8	2,779	5.7
Dist. of Columbia	4	2.9	36	25.9
South Atlantic—Con.				
Virginia	6,362	3.3	3,715	1.9
West Virginia	1,765	2.0	1,741	1.9
North Carolina	7,595	2.7	1,357	.5
South Carolina	2,658	1.5	867	.5
Georgia	3,769	1.5	1,293	.5
Florida	2,352	4.0	506	.9
East South Central	13,299	1.3	6,484	.6
Kentucky	4,793	1.9	2,878	1.1
Tennessee	4,571	1.8	1,939	.8
Alabama	2,261	1.0	739	.3
Mississippi	1,674	.7	928	.4
West South Central	29,845	2.9	16,130	1.6
Arkansas	2,554	1.2	1,245	.6
Louisiana	2,466	1.9	448	.3
Oklahoma	9,954	5.0	2,707	1.4
Texas	14,871	3.2	11,730	2.5
Mountain	17,899	7.7	6,923	3.0
Montana	5,857	12.5	1,941	4.1
Idaho	1,796	4.4	805	2.0
Wyoming	1,219	7.9	623	4.0
Colorado	5,970	10.3	2,426	4.2
New Mexico	995	3.1	286	.9
Arizona	1,060	9.8	302	2.8
Utah	804	3.1	386	1.5
Nevada	198	5.1	154	4.0
Pacific	35,569	13.4	19,196	7.2
Washington	4,314	5.9	2,601	3.7
Oregon	5,364	9.6	3,251	5.8
California	25,891	19.0	13,254	9.7

Source: Bureau of the Census, Department of Commerce.

No. 610.—NUMBER OF TRACTORS ON FARMS, 1925

NOTE.—Data for 1930 are not yet available

Division and State	Tractors	Division and State	Tractors	Division and State	Tractors
United States	**505,933**	**West North Central—Con.**		**West South Central**	**34,688**
New England	7,844	Iowa	37,230	Arkansas	3,476
Maine	1,774	Missouri	12,745	Louisiana	3,482
New Hampshire	531	North Dakota	17,483	Oklahoma	10,950
Vermont	1,568	South Dakota	17,426	Texas	16,780
Massachusetts	2,212	Nebraska	18,765		
Rhode Island	318	Kansas	31,171	**Mountain**	**19,935**
Connecticut	1,441			Montana	6,602
		South Atlantic	**31,075**	Idaho	1,927
Middle Atlantic	**49,864**	Delaware	694	Wyoming	1,323
New York	25,681	Maryland	4,026	Colorado	6,693
New Jersey	4,419	Dist. of Columbia	8	New Mexico	1,080
Pennsylvania	19,764	Virginia	6,750	Arizona	1,239
		West Virginia	1,860	Utah	850
East North Central	**146,665**	North Carolina	7,909	Nevada	221
Ohio	30,905	South Carolina	2,906		
Indiana	23,567	Georgia	4,145	**Pacific**	**40,208**
Illinois	43,325	Florida	2,777	Washington	4,490
Michigan	19,217			Oregon	5,768
Wisconsin	29,651	**East South Central**	**14,097**	California	29,948
		Kentucky	4,994		
West North Central	**161,559**	Tennessee	4,767		
Minnesota	26,739	Alabama	2,465		
		Mississippi	1,871		

Source: Bureau of the Census, Department of Commerce.

26.—FARM PRODUCTS—PRODUCTION, VALUE, PRICES, ETC., AND FOREIGN TRADE

[Data in this section relate to continental United States except foreign trade statistics, which represent the trade of the "customs area" (see general note, p. 482)]

No. 611.—INDEXES OF THE VOLUME OF NET AGRICULTURAL PRODUCTION

NOTE.—Indexes are based on estimates of production for sale and for consumption in the farm home. Production fed to livestock or used for seed is 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 contribute about 90 per cent of the gross income from agricultural production

[1919-1927=100]

Year	Total	Grains	Fruits and vegetables	Truck crops	Meat animals	Dairy products	Poultry products	Cotton and cottonseed
1919	91	101	82	71	96	81	85	91
1920	97	116	102	86	92	80	84	105
1921	87	100	76	74	91	91	95	64
1922	96	100	109	101	97	95	98	77
1923	101	97	108	99	107	103	107	80
1924	106	100	106	111	108	109	100	108
1925	106	95	98	115	102	110	104	128
1926	111	93	116	114	103	114	111	143
1927	106	97	104	129	103	116	116	103
1928	111	106	122	124	105	119	112	114
1929	109	87	102	141	105	122	116	118
1930	107	85	112	137	99	122	119	113

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 612.—ESTIMATED VALUE OF FARM PRODUCTS

NOTE.—Values shown in the following table were computed from United States quantities and average prices for the United States. For 1897 to 1908, farm prices December 1 were used, while for 1909 to 1926, weighted prices for the crop year were used for crops and for the calendar year for animal products. Beginning with 1919, a number of items which previously had not been included in making these estimates was added.

This series of computations was discontinued in 1927 and a new series of estimates of farm value and income from farm production computed based on State quantities evaluated in terms of State average prices. (See Tables 613 to 615). Differences between the two series are in part due to this change in the quantities and prices used and to certain refinements in methods of computations. A large difference, however, is due to the inclusion in the new series in Tables 613 to 615 of a lower estimate of volume of milk production than that previously used

[In millions of dollars]

Year	Crops	Animal products	Crops fed to livestock	Total, excl. crops fed to livestock	Year	Crops	Animal products	Crops fed to livestock	Total, excl. crops fed to livestock
1897	2,519	1,442	1,057	2,904	1912	6,799	3,778	3,110	7,467
1898	2,760	1,579	1,178	3,161	1913	6,717	4,099	2,930	7,886
1899 (census)	3,020	1,718	1,383	3,355	1914	7,268	4,249	3,352	8,165
1900	3,192	1,818	1,461	3,549	1915	7,957	4,303	3,622	8,638
1901	3,385	1,917	1,559	3,643	1916	10,305	4,862	4,308	10,359
1902	3,578	2,016	1,787	3,807	1917	14,277	6,539	6,867	13,949
1903	3,772	2,116	1,752	4,136	1918	14,814	8,082	6,392	16,504
1904	3,982	2,140	1,860	4,262	1919	16,561	8,275	7,159	17,677
1905	4,013	2,261	1,887	4,387	1920	11,578	7,709	4,476	14,811
1906	4,263	2,501	1,980	4,784	1921	7,759	5,589	3,080	10,268
1907	4,761	2,727	2,293	5,195	1922	9,430	5,651	3,870	11,211
1908	5,098	2,792	2,426	5,464	1923	10,401	6,271	4,290	12,382
1909	5,483	3,398	2,409	6,472	1924	10,770	5,902	4,453	12,219
1910	6,211	3,743	2,762	7,192	1925	10,170	6,647	3,783	13,034
1911	6,495	3,485	2,988	6,992	1926	9,266	7,300	3,581	12,985

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 613.—ESTIMATED GROSS INCOME FROM FARM PRODUCTION: BY GROUPS OF COMMODITIES

NOTE.—Data in the following table are based on State totals shown in Table 614, adjusted to exclude interstate sales of horses and mules and of seeds for planting. They include estimates of income from poultry other than chickens and from certain minor crops, not included in State totals

[In millions of dollars]

Source of income	1924	1925	1926	1927	1928	1929	1930 [1]
Grand total	11,337	11,968	11,480	11,618	11,741	11,851	9,484
Crops, total	6,170	6,147	5,468	5,817	5,675	5,603	4,226
Grains	1,755	1,496	1,432	1,592	1,513	1,285	910
Fruits and nuts	671	683	694	690	705	727	566
Vegetables	953	1,193	1,093	1,062	967	1,162	1,015
Sugar crops	104	95	103	104	92	100	105
Cotton and cottonseed	1,710	1,740	1,251	1,464	1,470	1,376	779
Tobacco	259	251	237	257	278	286	211
Other crops	719	689	659	649	650	667	640
Livestock and livestock products, total	5,167	5,820	6,012	5,799	6,066	6,249	5,208
Cattle, hogs, and sheep	2,380	2,822	2,922	2,664	2,727	2,827	2,280
Poultry and eggs	989	1,114	1,107	1,108	1,202	1,256	1,024
Dairy products	1,678	1,759	1,805	1,911	1,994	2,045	1,810
Wool	87	97	88	86	111	93	67
Other	33	28	30	30	32	28	27

[1] Preliminary.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 614.—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 excludes products used in the farm home. Totals for 1924 are as follows: Farm value—crops, $10,537,200,000, animal products, $5,086,500,000; gross income—grand total, $11,405,900,000, crops, $6,239,600,000; animal products, $5,166,300,000; cash income—grand total, $9,707,700,000, crops $5,570,400,000, animal products, $4,137,300,000

[All figures except percentages in millions and tenths of million dollars]

Product	Farm value					Gross income				
	1925	1926	1927	1928	1929	1925	1926	1927	1928	1929
Grand total						12,043.4	11,549.6	11,698.9	11,798.1	11,923.8
All crops	10,008.3	9,284.6	10,078.1	9,806.4	9,498.0	6,224.7	5,539.9	5,901.5	5,737.4	5,680.7
Grains:										
Corn	2,046.6	2,023.2	2,368.6	2,384.8	2,038.0	386.5	324.3	408.5	436.8	329.5
Wheat	972.5	1,014.9	1,045.9	914.9	855.0	804.2	861.8	875.5	769.4	703.8
Oats	584.5	506.7	563.1	597.1	531.9	150.4	117.3	116.2	134.7	110.7
Barley	131.7	107.6	184.0	205.0	167.4	55.4	36.8	72.9	79.6	52.6
Other	181.7	166.3	212.5	183.3	155.6	95.6	90.0	117.7	91.4	86.9
Cotton and cottonseed	1,797.7	1,293.4	1,515.0	1,529.0	1,432.0	1,739.9	1,251.2	1,464.2	1,469.5	1,375.7
Flaxseed	50.7	39.3	49.7	38.6	48.1	47.3	36.2	46.9	35.4	42.5
Tobacco	250.8	236.7	256.9	277.5	285.6	250.8	236.7	256.9	277.5	285.6
Potatoes, sweet and white	635.6	594.4	550.5	389.2	567.8	531.9	501.0	475.8	306.5	491.6
Truck crops	344.7	301.2	306.4	316.6	343.4	344.7	301.2	306.4	316.6	343.4
Hay	1,254.6	1,208.4	1,280.9	1,202.5	1,257.7	204.0	192.6	179.6	191.6	192.6
Grass seeds	40.5	38.5	47.7	28.8	38.1	34.5	31.3	42.0	23.3	32.8
Beans and peas	119.9	103.3	129.5	148.6	151.5	58.1	46.6	56.1	80.0	88.1
Peanuts	58.2	45.1	71.1	62.5	52.0	35.7	29.3	42.0	40.0	31.9
Fruits and nuts	657.9	683.9	655.8	678.3	707.3	647.4	665.0	647.9	665.3	695.4
Sugar crops	112.2	118.6	118.6	107.5	115.7	95.5	102.9	103.8	91.9	99.7
Farm gardens	301.6	284.3	266.1	303.3	284.4	301.6	284.3	266.1	303.3	284.4
Forest products	327.0	318.0	309.9	311.1	322.3	327.0	318.0	309.9	311.1	322.3
Nursery and greenhouse products	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
Other crops	42.6	43.4	43.6	50.5	46.9	16.9	16.2	16.1	16.2	13.9

No. 614.—Estimated Farm Value of Products, Gross Income, and Cash Income: By Commodities—Continued

[All figures except percentages in millions and tenths of millions of dollars]

Product	Farm value					Gross income				
	1925	1926	1927	1928	1929	1925	1926	1927	1928	1929
Animal products	5,820.4	6,078.5	5,978.5	6,205.4	6,426.0	5,818.7	6,009.7	5,797.3	6,060.7	6,243.1
Meat animals:										
Cattle and calves	878.7	869.3	940.0	1,138.0	1,166.6	1,003.0	1,008.3	1,004.7	1,080.0	1,086.8
Hogs	1,599.3	1,777.0	1,570.6	1,406.1	1,481.8	1,666.0	1,757.9	1,508.0	1,474.2	1,564.6
Sheep and lambs	174.1	175.6	177.5	193.3	189.0	152.6	156.0	151.0	171.8	175.3
Poultry and eggs	1,133.8	1,197.7	1,124.9	1,198.6	1,292.0	1,098.0	1,149.7	1,080.2	1,184.3	1,237.4
Milk	1,852.2	1,896.9	2,005.1	2,076.5	2,127.9	1,758.8	1,804.6	1,910.5	1,994.3	2,045.0
Wool and mohair	103.0	95.7	93.8	121.0	100.9	103.0	95.7	93.8	121.0	100.9
Bee products	11.9	11.1	12.5	11.2	12.6	11.9	11.1	12.5	11.2	12.6
Horses and mules	67.5	55.3	54.1	55.7	55.3	25.3	26.3	27.7	23.1	20.5

Product	Cash income					Per cent distribution				
							Gross income		Cash income	
	1925	1926	1927	1928	1929	Farm value, 1929	1924–1928, average	1929	1924–1928, average	1929
Grand total	10,180.3	9,728.2	9,953.7	10,055.4	10,146.7		100.0	100.0	100.0	100.0
All crops	5,505.5	4,869.9	5,270.3	5,090.7	5,007.0	100.0	50.7	47.6	53.0	49.3
Grains	1,450.9	1,394.0	1,550.1	1,472.2	1,240.8		13.3	10.7	15.3	12.3
Corn	362.2	302.7	382.4	409.2	305.1	21.5	3.4	2.8	3.7	3.0
Wheat	788.6	848.5	862.2	758.6	692.8	9.0	7.2	5.9	8.4	6.8
Oats	150.4	117.3	116.2	134.7	110.7	5.6	1.3	.9	1.5	1.1
Barley	55.4	36.8	72.9	79.6	52.6	1.8	.5	.5	.6	.5
Other	94.3	88.7	116.4	90.1	85.6	1.6	.9	.7	1.0	.8
Cotton and cottonseed	1,739.9	1,251.2	1,464.2	1,469.5	1,375.7	15.1	13.1	11.5	15.4	13.6
Flaxseed	47.3	36.2	46.9	35.4	42.5	.5	.4	.4	.5	.4
Tobacco	250.8	236.7	256.9	277.5	285.6	3.0	2.2	2.4	2.6	2.8
Potatoes, sweet and white	409.6	395.2	383.4	243.9	389.0	6.0	3.7	4.1	3.4	3.8
Truck crops	317.6	231.7	286.2	296.5	321.5	3.6	2.7	2.9	2.9	3.2
Hay	204.0	192.6	179.6	191.6	192.6	13.3	1.7	1.6	2.0	1.9
Grass seeds	34.5	31.3	42.0	23.3	32.8	.4	.3	.3	.3	.3
Beans and peas	56.2	45.1	54.7	78.4	86.5	1.6	.5	.7	.6	.9
Peanuts	34.8	28.4	41.1	37.3	30.1	.5	.3	.3	.4	.3
Fruits and nuts	578.0	596.8	586.8	596.0	623.5	7.4	5.6	5.8	5.9	6.1
Sugar crops	78.2	82.9	85.5	75.3	82.7	1.2	.9	.8	.8	.8
Farm gardens						3.0	2.5	2.4		
Forest products	189.5	184.3	179.6	180.3	186.4	3.4	2.7	2.7	1.8	1.8
Nursery and greenhouse products	97.3	97.3	97.3	97.3	97.3	1.0	.8	.8	1.0	1.0
Other crops	16.9	16.2	16.0	16.2	14.0	.5	.1	.1	.2	.1
Animal products	4,654.8	4,858.3	4,683.4	4,964.7	5,139.7	100.0	49.3	52.4	47.0	50.7
Meat animals:										
Cattle and calves	974.1	981.2	974.1	1,046.8	1,054.5	18.2	8.6	9.1	9.8	10.4
Hogs	1,340.3	1,412.7	1,209.9	1,209.6	1,289.2	23.0	13.2	13.1	12.6	12.7
Sheep and lambs	149.5	153.0	147.7	168.5	171.9	2.9	1.3	1.5	1.5	1.7
Poultry and eggs	751.5	820.7	751.7	849.3	894.1	20.1	9.4	10.4	7.7	8.8
Milk	1,302.7	1,359.1	1,469.2	1,538.3	1,599.1	33.1	15.6	17.2	13.9	15.8
Wool and mohair	103.0	95.7	93.8	121.0	100.9	1.6	.9	.8	1.0	1.0
Bee products	8.4	7.6	9.4	8.2	9.6	.2	.1	.1	.1	.1
Horses and mules	25.3	26.3	27.7	23.1	20.5	.9	.2	.2	.3	.2

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 615.—ESTIMATED GROSS AND CASH INCOME FROM FARM PRODUCTION: BY STATES

NOTE.—See headnote, Table 614

[In millions and tenths of millions of dollars]

Division and State	Gross income								
	Crops and animal products			Crops			Animal products		
	1924–1928, avg.	1928	1929	1924–1928, avg.	1928	1929	1924–1928, avg.	1928	1929
United States [1]	11,699.2	11,798.1	11,923.8	5,928.6	5,737.4	5,680.7	5,770.6	6,060.7	6,243.1
New England	310.4	292.8	355.9	141.5	118.8	172.4	168.9	174.0	183.6
Maine	80.7	62.2	103.7	49.5	31.2	72.2	31.1	30.9	31.5
New Hampshire	30.7	30.0	33.0	11.4	9.8	11.7	19.3	20.2	21.2
Vermont	55.0	54.8	58.6	16.1	14.0	16.5	38.9	40.8	42.1
Massachusetts	75.4	75.9	82.8	34.9	34.9	38.6	40.5	41.0	44.2
Rhode Island	9.7	9.6	10.7	3.5	3.1	3.4	6.3	6.5	7.2
Connecticut	58.9	60.4	67.2	26.1	25.9	29.8	32.8	34.5	37.4
Middle Atlantic	843.6	849.5	906.7	357.0	318.1	346.0	491.6	531.4	560.7
New York	408.6	414.5	436.5	165.1	149.6	158.8	243.4	264.9	277.8
New Jersey	105.7	102.6	105.7	60.9	54.7	57.7	44.7	47.9	48.0
Pennsylvania	334.4	332.5	364.5	130.9	113.9	129.6	203.5	218.6	234.9
East North Central	2,090.9	2,048.6	2,122.3	710.1	638.9	675.6	1,350.7	1,409.7	1,446.6
Ohio	414.5	388.8	413.8	146.0	114.1	133.6	268.5	274.7	280.2
Indiana	340.6	335.1	352.9	110.9	89.3	96.8	229.7	245.8	256.1
Illinois	597.8	599.1	597.7	245.0	249.1	235.8	352.7	349.9	361.8
Michigan	301.3	302.8	319.6	123.3	114.0	123.0	178.1	188.8	196.6
Wisconsin	406.7	422.8	438.3	84.9	72.4	86.4	321.8	350.4	351.9
West North Central	2,934.9	2,941.8	2,957.1	998.1	971.5	958.5	1,936.8	1,970.2	2,098.6
Minnesota	442.2	430.9	460.2	134.2	107.0	118.1	308.0	323.8	342.0
Iowa	703.9	719.1	735.7	138.3	156.1	138.9	565.5	563.0	596.8
Missouri	419.6	414.0	422.1	127.1	111.9	111.8	292.5	302.1	310.3
North Dakota	260.5	240.6	208.5	177.8	168.0	119.7	82.8	81.6	88.8
South Dakota	233.5	225.0	236.4	75.8	64.1	68.2	157.7	160.8	168.2
Nebraska	427.0	419.1	451.8	134.3	130.2	133.4	292.7	288.9	318.5
Kansas	448.3	484.1	442.4	210.7	234.1	168.4	237.6	250.0	274.0
South Atlantic	1,371.4	1,347.7	1,348.7	975.8	932.8	943.5	395.6	414.9	405.2
Delaware	20.9	20.6	23.2	12.2	11.0	13.1	8.7	9.6	10.1
Maryland	94.3	89.7	98.2	52.1	43.5	50.0	42.1	46.2	48.2
Virginia	213.8	212.0	221.0	131.4	122.1	131.6	82.4	89.9	89.4
West Virginia	90.6	94.2	93.3	41.3	41.3	41.6	49.4	52.9	51.7
North Carolina	372.6	364.4	332.1	294.6	285.4	256.8	78.0	79.0	76.3
South Carolina	179.7	164.5	166.2	142.7	127.6	132.1	37.0	36.9	34.1
Georgia	283.7	271.5	290.6	207.8	194.4	216.2	75.8	77.0	74.4
Florida	115.8	130.9	124.1	93.8	107.6	103.1	22.1	23.3	21.0
East South Central	977.3	986.9	983.3	657.0	642.2	668.8	320.3	324.6	314.7
Kentucky	232.2	245.7	230.3	118.7	129.3	118.4	113.5	116.4	112.0
Tennessee	232.5	232.4	233.9	137.0	134.7	136.8	95.4	97.7	97.2
Alabama	244.6	229.6	235.4	186.7	175.3	181.5	57.9	54.2	53.8
Mississippi	268.0	259.2	283.9	214.6	202.9	232.2	53.4	56.3	51.8
West South Central	1,608.0	1,646.6	1,485.2	1,181.6	1,132.2	1,011.9	426.3	464.4	453.3
Arkansas	243.0	243.4	243.9	183.6	183.6	186.5	59.4	59.8	57.4
Louisiana	167.1	166.2	175.0	134.6	135.5	144.7	32.5	30.7	30.4
Oklahoma	349.4	347.4	305.2	240.3	221.2	178.5	109.1	126.2	126.7
Texas	848.5	889.7	741.0	623.1	642.0	502.1	225.3	247.7	238.9
Mountain	668.8	717.1	711.7	309.4	307.7	320.1	359.3	409.4	391.5
Montana	143.3	149.6	132.3	75.1	74.8	80.5	68.2	74.8	51.7
Idaho	117.8	119.4	120.5	64.3	59.3	71.6	53.5	60.0	57.9
Wyoming	52.8	61.0	60.7	13.3	14.2	15.8	39.5	46.8	44.9
Colorado	157.4	158.8	174.4	77.6	70.1	84.0	79.8	88.7	90.4
New Mexico	56.8	64.9	66.9	20.1	21.0	27.6	36.7	43.8	39.3
Arizona	57.2	72.8	64.3	30.4	39.5	43.1	26.9	33.3	21.2
Utah	93.2	88.3	66.1	25.8	25.7	24.3	37.5	42.6	41.0
Nevada	20.2	22.4	17.5	3.0	3.1	3.3	17.2	19.3	14.2
Pacific	915.5	983.2	1,067.8	594.6	621.2	679.1	320.9	362.1	388.6
Washington	188.6	196.3	211.3	117.1	115.7	127.4	71.4	80.6	83.9
Oregon	131.6	140.7	142.3	64.8	67.5	70.4	66.8	73.2	72.9
California	595.3	646.2	713.2	412.6	438.0	481.2	182.7	208.2	231.9

[1] United States crop totals include small amounts for sugar beets not distributed by States as follows: 1924–1928 average, $3,507,000; 1928, $3,928,000; 1929, $4,846,000.

No. 615.—Estimated Gross And Cash Income From Farm Production: By States—Continued

[In millions and tenths of millions of dollars]

Division and State	Cash income								
	Crops and animal products			Crops			Animal products		
	1924–1928, avg.	1928	1929	1924–1928, avg.	1928	1929	1924–1928, avg.	1928	1929
United States[1]	9,920.7	10,055.4	10,146.7	5,261.4	5,090.7	5,007.0	4,659.3	4,964.7	5,139.7
New England	260.9	244.7	304.4	114.9	93.7	144.9	146.0	151.0	159.5
Maine	66.0	48.3	88.6	41.6	24.0	64.0	24.4	24.3	24.6
New Hampshire	24.3	24.2	26.7	8.0	6.6	8.2	16.3	17.6	18.6
Vermont	46.5	46.6	49.7	11.0	9.2	11.3	35.6	37.3	38.4
Massachusetts	64.7	65.4	71.6	29.3	29.5	32.9	35.3	35.9	38.7
Rhode Island	8.5	8.3	9.3	2.9	2.5	2.8	5.6	5.8	6.5
Connecticut	50.4	52.0	58.4	22.1	22.0	25.7	28.4	30.0	32.7
Middle Atlantic	713.3	717.0	766.3	295.4	260.2	281.1	417.9	456.8	485.2
New York	354.8	361.5	379.8	140.7	126.3	132.6	214.0	234.7	247.1
New Jersey	95.9	92.8	96.3	56.5	50.4	53.5	39.4	42.4	42.8
Pennsylvania	262.6	262.7	290.3	98.2	83.0	95.1	164.4	179.7	195.2
East North Central	1,749.8	1,748.8	1,802.2	594.2	531.0	554.0	1,155.7	1,217.8	1,248.3
Ohio	338.1	314.3	337.0	118.1	87.5	105.7	220.0	226.8	231.3
Indiana	284.0	279.9	295.0	93.4	72.5	78.6	190.6	207.4	216.4
Illinois	526.5	530.9	524.4	223.4	229.1	213.0	303.0	301.8	311.4
Michigan	247.9	251.6	263.7	98.6	91.4	96.9	149.3	160.3	166.7
Wisconsin	353.4	372.1	382.1	60.6	50.5	59.7	292.8	321.6	322.4
West North Central	2,607.3	2,621.2	2,618.8	901.4	883.5	757.9	1,705.8	1,737.8	1,860.9
Minnesota	387.7	377.2	402.7	115.5	90.4	97.4	272.1	286.8	305.3
Iowa	637.5	654.9	667.4	118.7	138.2	117.8	518.8	516.7	549.6
Missouri	337.0	334.6	338.7	97.5	84.4	83.2	239.5	250.3	255.0
North Dakota	237.8	227.8	185.5	172.7	163.7	114.1	65.1	64.1	71.4
South Dakota	211.7	202.8	213.3	71.0	59.7	63.1	140.6	143.1	150.2
Nebraska	390.8	382.9	413.5	125.5	122.2	124.1	265.3	260.7	289.4
Kansas	404.8	441.1	397.7	200.5	224.9	158.2	204.4	216.1	239.5
South Atlantic	1,026.9	1,005.5	1,013.5	825.4	783.3	796.1	201.4	222.2	217.4
Delaware	17.7	17.5	19.9	10.6	9.5	11.5	7.1	8.0	8.4
Maryland	76.8	72.8	80.4	44.6	36.4	42.5	32.2	36.4	37.9
Virginia	150.7	146.5	156.0	103.2	93.7	102.9	47.5	52.8	53.1
West Virginia	57.0	61.1	60.0	25.3	26.0	25.7	31.7	35.1	34.3
North Carolina	280.1	278.8	249.4	256.4	247.2	219.1	29.7	31.7	30.3
South Carolina	132.1	116.5	121.0	121.6	106.5	111.9	10.5	10.0	9.1
Georgia	203.0	193.3	214.4	175.7	162.0	185.0	27.3	31.3	29.4
Florida	103.5	119.0	112.4	88.0	102.1	97.6	15.5	16.9	14.8
East South Central	709.5	708.8	729.9	549.2	532.7	565.5	160.4	174.2	164.4
Kentucky	159.6	174.8	161.4	91.6	102.2	93.1	67.9	72.6	68.3
Tennessee	158.3	160.6	162.5	107.3	104.6	108.7	51.0	56.0	53.9
Alabama	170.6	165.1	173.7	158.3	146.6	154.7	18.4	18.4	19.0
Mississippi	215.0	208.3	232.3	191.9	179.2	209.1	23.1	27.1	23.2
West South Central	1,371.9	1,413.3	1,238.6	1,108.2	1,107.8	941.3	263.7	305.4	297.3
Arkansas	187.3	189.2	191.5	160.7	160.4	163.9	26.6	28.7	27.6
Louisiana	140.4	139.7	149.1	124.1	124.8	134.2	16.3	14.9	14.9
Oklahoma	299.0	298.0	255.1	227.2	208.2	165.9	71.8	89.8	89.2
Texas	745.2	785.4	642.9	596.3	614.5	477.3	148.9	172.0	165.5
Mountain	613.7	661.9	654.5	294.4	293.0	304.0	319.3	368.8	350.5
Montana	131.5	137.6	119.5	72.0	71.9	46.9	59.5	65.8	72.6
Idaho	108.2	110.1	120.0	61.1	56.3	68.4	47.1	53.8	51.6
Wyoming	49.1	57.0	56.6	12.3	13.3	14.7	36.8	43.7	41.9
Colorado	144.1	145.6	160.5	74.6	67.1	80.8	69.5	78.4	79.7
New Mexico	50.9	59.0	60.9	18.6	19.7	20.3	32.3	39.3	34.6
Arizona	53.5	69.0	60.2	29.3	38.2	41.5	24.2	30.8	18.8
Utah	57.5	62.5	60.5	23.8	23.6	22.3	33.8	38.9	38.2
Nevada	19.0	21.1	16.3	2.8	3.0	3.1	16.2	18.1	13.2
Pacific	863.8	932.3	1,013.6	574.7	601.6	657.4	289.1	330.7	356.2
Washington	171.3	179.1	192.9	109.8	108.4	119.3	61.4	70.6	73.6
Oregon	118.0	127.2	129.2	59.0	61.6	64.4	59.0	65.6	64.8
California	574.5	626.0	691.6	405.8	431.5	473.7	168.6	194.5	217.8

[1]United States crop totals include small amounts for sugar beets not distributed by States as follows: 1924–1928 average, $3,507,000; 1928, $3,928,000; 1929, $4,846,000.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 616.—INDEX NUMBERS OF FARM PRICES AND WHOLESALE PRICES OF AGRICULTURAL PRODUCTS, BY GROUPS

[1923–1925=100]

Yearly average or year and month	Farm prices, 30 commodities							Wholesale prices			
	Farm products	Grains	Fruits and vegetables	Meat animals	Dairy products	Poultry products	Cotton and cottonseed	Farm products	Grains	Livestock and poultry	Other farm products
1910–1914	72	75	71	86	71	66	48	69.4	[1] 72.4	[1] 86.6	[1] 59.8
1915–1920	121	144	120	138	100	109	93	120.1	144.4	134.0	102.6
1921–1925	94	92	103	97	100	100	86	95.4	94.0	97.9	94.3
1926–1930	95	92	112	123	96	97	65	97.0	94.6	117.1	87.3
1921	83	84	106	92	106	107	50	86.0	87.1	91.7	81.5
1922	89	79	109	96	96	92	78	91.2	83.1	97.5	89.8
1923	97	86	97	90	106	96	107	95.9	86.0	91.1	101.4
1924	96	97	89	92	96	97	105	97.3	98.3	93.0	99.2
1925	106	117	114	118	98	107	88	106.8	115.6	115.9	99.5
1926	98	97	135	124	97	103	61	97.3	97.8	117.2	86.9
1927	94	96	111	118	99	93	64	96.7	98.6	115.9	86.2
1928	100	98	104	127	100	99	76	103.0	104.9	123.6	91.9
1929	99	91	97	132	100	105	72	102.0	95.2	124.4	92.6
1930	84	75	113	114	88	83	51	85.9	76.5	104.6	79.1
1929											
January–March	93	90	79	129	103	102	75	103.2	97.3	123.0	95.0
April–June	93	86	83	139	99	89	74	100.6	89.1	131.2	88.6
July–September	102	96	108	138	98	101	73	104.2	98.8	130.6	92.3
October–December	99	91	117	124	101	120	67	99.5	95.0	112.2	94.2
December	97	89	116	121	100	135	65	99.1	95.3	110.9	94.0
1930											
January–March	94	85	120	126	93	99	60	95.2	86.8	117.8	86.3
April–June	89	81	137	121	87	73	59	90.1	79.8	108.9	88.4
July–September	79	73	112	106	85	74	46	82.1	75.4	99.4	75.3
October–December	73	63	83	100	87	89	38	76.9	65.2	92.4	72.4
December	70	60	77	95	84	84	36	73.2	62.6	89.4	67.9

[1] 2-year average, 1913 and 1914.

No. 617.—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 [1]			Wages paid to hired farm labor	Wholesale prices			
		Total	For living	For production		All commodities	Farm products	Foods	Other commodities
1910–1914	72	65	61	69	60	68	69	68	[2] 67
1915–1920	121	104	102	106	98	115	120	111	112
1921–1925	94	100	100	99	95	99	95	98	101
1926–1930	95	99	98	99	100	95	97	103	91
1921	83	101	101	98	90	97	86	96	103
1922	89	98	98	97	87	96	91	93	100
1923	97	99	99	98	99	100	96	98	102
1924	96	99	99	99	99	97	97	96	98
1925	106	103	101	103	101	103	107	106	100
1926	98	101	101	99	102	99	97	106	98
1927	94	99	99	99	102	95	97	102	92
1928	100	101	99	101	101	97	103	107	92
1929	99	100	98	101	102	96	102	105	91
1930	84	94	93	97	91	86	86	95	83
1929									
March	101	101	99	102	[3] 100	97	104	104	91
June	97	100	98	101	[3] 104	96	101	105	91
September	101	100	99	101	[3] 104	97	104	109	91
December	97	99	98	100	[3] 95	94	99	104	89
1930									
March	91	97	96	97	[3] 97	90	92	99	87
June	88	96	95	97	[3] 96	86	87	96	84
September	80	94	91	97	[3] 90	84	83	94	81
December	70	90	88	93	[3] 77	78	73	87	77

[1] Annual indexes are based on retail prices paid by farmers, reported quarterly.
[2] Average for 1913 and 1914.
[3] Wages are for April, July, and October, 1929, and January, 1930.

Source of Tables 616 and 617: Computed from data of Departments of Agriculture and Labor.

No. 618.—FOREIGN TRADE IN AGRICULTURAL AND FOREST PRODUCTS: YEARS ENDED JUNE 30

[All figures, except percentages, in thousands of dollars]

Yearly average or year ended June 30—	Agricultural exports [1]			Agricultural imports [1]		Forest products [2]		
	United States products		Foreign products (reexports)	Total	Per cent of all imports	Exports		Imports
	Total	Per cent of all exports [3]				United States products	Foreign products (reexports)	
1857-1861	215,709	81.1	10,372	122,055	38.5	9,905	764	5,905
1862-1866	148,866	75.7	9,272	123,539	43.4	7,366	714	7,194
1867-1871	230,713	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	17,907	635	14,408
1877-1881	501,351	80.4	8,745	273,780	51.8	17,579	439	14,610
1882-1886	557,473	76.3	9,803	324,606	48.8	24,705	955	21,354
1887-1891	573,287	74.7	7,274	381,971	50.3	26,061	1,152	24,630
1892-1896	638,748	73.0	9,420	416,042	53.9	29,276	734	27,448
1897-1901	827,566	65.9	13,009	404,335	53.9	45,961	1,236	25,172
1902-1906	879,541	59.5	14,554	528,165	50.2	63,585	1,219	40,960
1907-1911	975,399	53.9	16,812	707,997	50.4	88,764	1,803	65,822
1912-1916	1,256,452	45.1	28,070	1,030,602	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	58.5	141,078	1,715	214,824
1910	871,158	50.9	22,162	794,370	51.0	85,030	2,110	75,010
1911	1,030,794	51.2	20,573	773,116	50.6	103,039	1,679	71,736
1912	1,050,627	48.4	17,171	888,495	53.7	108,122	1,350	69,581
1913	1,123,652	46.3	19,652	916,634	50.6	124,836	2,809	82,878
1914	1,113,974	47.8	20,286	1,000,409	52.8	106,979	1,961	81,162
1915	1,475,908	54.3	38,222	997,911	59.6	52,554	1,287	79,451
1916	1,518,071	35.5	45,017	1,349,563	61.4	68,155	1,435	94,265
1917	1,968,253	31.6	45,420	1,599,660	60.2	68,919	3,392	129,580
1918	2,280,466	30.1	44,210	1,826,436	62.0	87,181	1,409	128,490
1919	3,579,918	50.6	105,587	1,930,028	62.3	113,275	3,758	132,588
1920	3,861,511	48.6	128,101	3,410,018	65.1	190,049	5,380	229,001
1921	2,607,641	40.8	90,739	2,060,237	56.4	141,876	4,043	225,162
1922	1,915,866	51.8	43,589	1,371,720	52.6	94,115	2,315	156,843
1923	1,799,163	46.3	48,393	2,077,240	54.9	129,981	1,955	234,598
1924	1,867,098	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	1,891,739	40.7	75,162	2,529,775	56.7	162,731	1,450	238,545
1927	1,907,864	39.2	72,222	2,281,421	53.7	171,970	1,365	233,247
1928	1,815,451	38.0	73,391	2,193,868	52.9	174,599	1,528	215,874
1929	1,847,216	35.0	63,942	2,179,046	50.8	178,092	2,157	222,249
1930 [4]	1,495,164	32.4	50,660	1,891,836	49.2	162,405	1,382	209,715

[1] Does not include forest products, but includes crude rubber and similar gums.
[2] Exports of foreign products exclude crude rubber and similar gums.
[3] Based on total exports of United States merchandise.
[4] Preliminary.

Source: Bureau of Agricultural Economics, Department of Agriculture, and Bureau of Foreign and Domestic Commerce and predecessor organizations.

No. 619.—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 (calendar)	Total agricultural exports	Animals and products, edible	Dairy products and eggs	Grains and preparations	Vegetables, fruits, and nuts	Miscellaneous animal and vegetable products	Cotton	Tobacco
1910-1914 (fiscal)	1,035.7	151.8	6.3	147.3	35.0	98.7	551.9	44.8
1920	3,452.3	472.8	96.7	1,085.9	117.9	296.9	1,130.4	245.5
1921	2,114.9	309.1	56.3	758.4	90.4	161.4	534.2	205.1
1922	1,884.4	262.2	34.9	516.0	93.6	158.1	673.3	146.5
1923	1,820.5	309.6	36.4	311.4	87.7	115.0	807.1	153.4
1924	2,110.1	275.5	35.7	433.8	117.1	133.3	950.6	164.1
1925	2,136.2	271.3	31.1	351.8	121.1	147.3	1,059.8	153.8
1926	1,816.7	238.2	26.8	355.7	132.6	112.1	814.4	136.9
1927	1,884.6	182.6	25.3	443.8	143.6	123.4	826.3	130.7
1928	1,863.1	182.9	24.7	315.7	152.0	118.3	920.0	154.5
1929	1,692.9	198.7	22.1	286.4	162.8	106.1	770.8	146.1
1930	1,200.7	150.2	19.5	191.3	130.4	66.9	498.7	145.6

Source: Bureau of Foreign and Domestic Commerce, Department of Commerce.

No. 620.—VALUE OF EXPORTS OF PRINCIPAL AGRICULTURAL PRODUCTS OR GROUPS OF PRODUCTS

NOTE.—In millions and tenths of millions of dollars. Data except as stated are for calendar years and exclude reexports of foreign products

Products	1910–1914 (fiscal)	1923	1924	1925	1926	1927	1928	1929	1930
Grand total	1,035.7	1,820.5	2,110.1	2,136.2	1,816.7	1,884.6	1,863.1	1,892.9	1,200.7
Live animals	13.0	6.3	6.1	8.5	5.5	6.7	6.5	5.8	4.2
Meats	62.7	149.4	113.4	117.9	98.7	64.2	60.9	72.5	60.7
Eggs and dairy products	6.3	36.4	35.7	31.1	26.8	25.3	24.7	22.1	19.5
Animal fats and oils	83.8	158.5	159.0	150.3	136.2	116.8	119.4	124.1	87.9
Hides and skins	3.2	4.9	12.8	12.0	10.8	11.5	11.1	6.8	4.9
Bread grains[1]	107.6	236.1	371.5	275.2	300.5	367.9	214.5	199.3	160.4
Coarse grains	36.8	61.1	54.5	72.7	50.0	63.8	87.6	72.5	21.0
Rice	.6	12.9	7.0	3.3	4.9	11.8	13.2	14.1	9.7
Fodders and feeds	28.1	21.7	29.4	33.8	28.2	32.9	30.9	32.7	11.1
Vegetables	5.8	16.4	16.8	16.2	17.8	18.7	18.9	21.4	16.6
Fruits	29.4	67.5	96.5	100.7	110.3	120.1	127.8	136.0	109.7
Vegetable oils, expressed, oil-seeds, and nuts	21.2	11.9	10.9	14.1	11.0	13.4	12.7	10.3	9.0
Coffee and substitutes	7.3	5.7	7.5	8.0	9.2	6.3	3.5	2.9	2.8
Sugar and related products	9.5	36.1	32.8	36.1	14.5	17.3	16.0	13.3	8.4
Seeds, except oilseeds	2.6	3.3	3.3	3.5	4.0	3.6	2.7	3.3	3.8
Tobacco	44.8	153.4	164.1	153.8	136.9	139.7	154.5	146.1	145.6
Cotton	551.9	807.1	950.6	1,059.8	814.4	826.3	920.0	770.8	496.7
Wool and hair	1.3	1.5	1.9	2.4	2.0	2.7	2.5	2.4	1.8
All other	19.9	30.3	36.3	36.8	34.9	35.9	35.5	36.6	26.7

[1] Includes wheat and rye; also flour and flour products.

No. 621.—AGRICULTURAL EXPORT INDEXES: QUANTITY AND VALUE

Yearly average or year	Agricultural exports, other than cotton and tobacco			Cotton			Tobacco		
	Quantity	Unit Value	Value	Quantity	Unit Value	Value	Quantity	Unit Value	Value
1910–1914	100	100	100	100	100	100	100	100	100
1921	218	144	313	75	129	97	133	345	458
1922	195	125	242	71	173	122	111	295	327
1923	155	127	196	62	237	146	123	279	343
1924	169	134	227	78	222	172	147	249	366
1925	134	157	210	98	196	192	135	255	343
1926	137	144	197	105	141	148	136	226	306
1927	151	138	209	108	139	150	143	219	312
1928	136	132	180	102	164	167	184	188	345
1929	130	130	177	88	159	140	177	185	326
1930	108	118	127	77	117	90	177	184	325

No. 622.—AGRICULTURAL EXPORT INDEXES: BY GROUPS OF PRODUCTS

Group	Relative numbers, 1930, as compared with 1929 as 100			Relative numbers, 1930, 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	79	91	72	108	118	127
Animal products, edible	82	92	76	83	119	99
Dairy products and eggs	96	92	88	214	145	310
Grains and preparations	77	87	67	115	113	130
Vegetables, fruits, and nuts	83	96	80	281	133	373
Cotton	87	74	64	79	114	90
Tobacco	100	100	100	(1)	(1)	(1)

[1] Not computed.

Source of Tables 620, 621, and 622: Bureau of Foreign and Domestic Commerce, Department of Commerce.

27.—FARM ANIMALS AND ANIMAL PRODUCTS

[Data in this section relate to continental United States]

No. 623.—DOMESTIC ANIMALS: NUMBER AND VALUE OF ANIMALS ON FARMS

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. Value includes only animals specified. The difference in date affects the comparability of the census figures for all classes and especially for swine

Jan. 1—	Number (thousands)							Value of all animals (thousands of dollars)
	Horses	Mules	All cattle	Dairy cows [1]	Other cattle	Sheep	Swine	
Census returns—								
1880 (June 1)	10,357	1,813	39,676	12,443	27,232	42,192	49,773	----------
1890 (June 1)	15,266	2,252	57,649	16,512	41,137	40,876	57,427	----------
1900 (June 1)	18,267	3,265	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	52,448	58,186	4,740,684
1920 (Jan. 1)	19,767	5,432	66,640	19,675	46,964	35,034	59,346	7,596,877
1925 (Jan. 1)	16,401	5,081	60,760	17,645	43,115	35,590	50,854	4,439,966
1930 (Apr. 1)	13,511	5,375	63,908	24,256	(2)	(2)	56,295	(2)
Estimates Jan. 1 [3]								
1910	[4] 19,833	[4] 4,210	57,940	20,625	37,315	47,072	49,300	4,687,706
1911	20,277	4,323	56,219	20,823	35,396	47,349	55,700	5,022,755
1912	20,509	4,362	55,022	20,699	34,323	43,279	55,700	4,785,504
1913	20,567	4,386	55,833	20,497	35,336	40,700	54,000	5,307,891
1914	20,962	4,449	58,737	20,737	38,000	37,773	51,800	5,749,907
1915	21,195	4,479	62,532	21,262	41,270	36,287	57,000	5,876,315
1916	21,159	4,593	66,394	22,108	44,286	36,543	59,700	6,933,447
1917	21,210	4,723	69,533	22,894	46,639	36,700	56,700	6,591,539
1918	21,555	4,873	71,229	23,310	47,919	39,000	61,200	8,020,915
1919	21,482	4,954	70,261	23,475	46,786	41,000	63,800	8,458,213
1920	19,848	5,475	68,871	21,427	47,444	40,243	59,959	7,987,000
1921	19,134	5,586	67,184	21,408	45,776	38,690	58,602	5,952,000
1922	18,564	5,638	67,264	21,788	45,476	36,186	59,559	4,684,000
1923	17,943	5,702	66,156	22,063	44,093	36,212	60,044	4,995,000
1924	17,222	5,730	64,507	22,255	42,252	36,876	60,361	4,682,000
1925	16,470	5,725	61,996	22,481	39,515	38,112	55,568	4,617,000
1926	15,830	5,740	59,122	22,188	36,934	39,730	52,148	4,943,000
1927	15,133	5,652	56,832	21,801	35,031	41,881	54,788	5,033,000
1928	14,495	5,504	55,676	21,828	33,848	44,795	60,617	5,514,000
1929	13,897	5,389	56,389	21,849	34,540	47,704	57,410	6,006,000
1930	13,364	5,279	57,978	22,443	35,535	50,503	63,238	5,888,000
1931	12,803	5,131	58,955	22,975	35,980	51,911	52,323	4,365,000

[1] Census returns, except for 1910 and 1930, represent dairy cows and heifers 2 years old and over on the census date; for 1910, dairy cows and heifers born before Jan. 1, 1909 (estimated number 2 years old and over Jan. 1, 1910, 17,125,000); for 1930, cows and heifers born before 1929 kept mainly for milk production. Estimates as of Jan. 1 represent milk cows prior to 1920; thereafter, cows and heifers 2 years old and over kept for milk.

[2] Not yet available. [3] Department of Agriculture estimates. [4] Census figures as of Apr. 15, 1910.

No. 624.—DOMESTIC ANIMALS IN THE UNITED STATES: NUMBER ON FARMS AND NOT ON FARMS, AND VALUE OF THOSE ON FARMS

NOTE.—By reason of the change in date of enumeration from Apr. 15 in 1910 to Jan. 1 in 1920 and 1925 the earlier figures are not very closely comparable. Tabulation of the 1930 census returns has not yet been completed. For available data see Tables 623 and 626.

Kind	Total number (thousands)		On farms						Not on farms, number (thousands)	
			Number (thousands)			Value (thousands of dollars)				
	1910 (Apr. 15)	1920 (Jan. 1)	1910 (Apr. 15)	1920 (Jan. 1)	1925 (Jan. 1)	1910 (Apr. 15)	1920 (Jan. 1)	1925 (Jan. 1)	1910 (Apr. 15)	1920 (Jan. 1)
All domestic animals	----------	----------	----------	----------	----------	4,760,060	7,622,641	[1] 4,450,216	----------	
All cattle	63,683	68,751	61,804	66,640	60,760	1,499,524	3,651,521	2,019,489	1,879	2,112
Dairy cows [2]	21,796	20,896	20,625	19,675	17,645	706,236	1,507,513	912,532	1,170	1,221
Horses, mules, asses, and burros	27,618	27,371	24,149	25,272	[1] 22,082	2,822,180	2,569,570	[1] 1,451,041	3,470	2,099
Horses	23,016	21,473	19,833	19,767	16,401	2,083,588	1,782,077	1,001,521	3,183	1,706
Mules	4,480	5,811	4,210	5,432	5,681	525,392	779,294	449,520	270	378
Asses and burros	122	87	106	72	(3)	13,200	8,198	(3)	17	15
Sheep	52,839	35,484	52,448	35,034	35,590	232,842	395,401	354,485	391	450
Goats	3,030	3,564	2,915	3,459	3,370	6,176	17,565	10,250	115	105
Swine	59,474	61,985	58,186	59,346	50,854	399,338	988,582	614,951	1,288	2,638

[1] Exclusive of asses and burros. [2] See note 1, Table 623. [3] Not reported.

Source: Bureau of the Census, Department of Commerce.

No. 625—DOMESTIC ANIMALS: NUMBER ON

NOTE.—By reason of the change in date of census enumeration from Apr. 15,

[All figures

Division and State	Horses				Mules				All cattle			
	1910 (Apr. 15)	1920 (Jan. 1)	1925 (Jan. 1)	1930 (Apr. 1)	1910 (Apr. 15)	1920 (Jan. 1)	1925 (Jan. 1)	1930 (Apr. 1)	1910 (Apr. 15)	1920 (Jan. 1)	1925 (Jan. 1)	1930 (Apr. 1)
United States	19,833	19,767	16,401	13,511	4,210	5,432	5,681	5,375	61,804	66,640	60,760	63,908
New England	355	305	259	182	2	3	3	2	1,337	1,320	1,119	1,271
Maine	108	94	82	61	(2)	(2)	1	1	257	301	230	257
New Hampshire	46	38	31	20	(2)	(2)	(2)	(2)	168	164	121	136
Vermont	81	77	63	52	(2)	1	1	1	430	435	393	472
Massachusetts	64	51	44	25	(2)	(2)	1	(2)	252	216	188	207
Rhode Island	10	7	5	3	(2)	(2)	(2)	(2)	34	31	27	32
Connecticut	46	38	34	21	(2)	1	1	1	195	174	153	167
Middle Atlantic	1,230	1,115	907	672	52	68	65	60	4,233	3,869	3,309	3,906
New York	591	536	440	321	4	7	7	6	2,423	2,144	1,837	2,220
New Jersey	89	73	57	39	4	6	5	3	223	179	153	175
Pennsylvania	550	506	410	312	44	55	53	51	1,587	1,546	1,319	1,511
East North Central	4,401	4,114	3,303	2,688	259	310	315	281	9,818	10,698	9,656	10,627
Ohio	910	811	630	495	23	32	33	31	1,838	1,927	1,653	1,773
Indiana	814	717	550	443	82	100	101	82	1,363	1,546	1,282	1,447
Illinois	1,453	1,297	1,030	821	148	168	168	134	2,441	2,788	2,305	2,342
Michigan	610	606	482	383	4	6	7	7	1,498	1,586	1,406	1,528
Wisconsin	615	683	604	546	3	4	6	7	2,680	3,051	3,010	3,537
West North Central	6,794	6,942	5,988	5,152	716	847	892	673	17,645	20,163	19,204	19,888
Minnesota	753	933	835	805	6	10	13	15	2,347	3,021	2,853	3,165
Iowa	1,492	1,387	1,180	1,048	56	82	97	85	4,448	4,548	4,264	4,130
Missouri	1,073	906	708	597	343	389	372	296	2,561	2,782	2,372	2,783
North Dakota	651	856	731	612	8	8	9	8	744	1,335	1,341	1,454
South Dakota	669	817	720	621	12	15	21	19	1,535	2,348	2,022	1,974
Nebraska	1,008	961	862	754	83	100	120	99	2,932	3,154	3,283	3,132
Kansas	1,147	1,083	931	715	208	243	260	151	3,079	2,975	3,068	3,224
South Atlantic	1,111	1,039	806	604	749	1,079	1,023	1,023	4,839	4,703	4,135	3,779
Delaware	33	28	22	18	6	9	9	10	55	47	46	54
Maryland	155	141	117	94	23	33	31	29	288	283	273	319
Dist. of Col.	1	(2)	(2)	(2)	(2)	(2)	(2)	(2)	1	1	1	1
Virginia	330	312	260	203	60	97	102	94	859	910	807	893
West Virginia	180	169	143	113	12	15	15	12	620	587	508	556
North Carolina	166	171	131	87	175	257	280	294	701	645	539	533
South Carolina	80	78	49	31	155	220	199	189	390	434	341	270
Georgia	120	101	54	37	295	406	344	354	1,060	1,157	906	782
Florida	46	39	29	21	23	42	43	41	845	639	656	431
East South Central	1,145	1,048	768	591	1,004	1,250	1,277	1,272	3,943	4,547	3,636	3,988
Kentucky	443	382	307	248	225	293	294	252	1,001	1,093	905	1,087
Tennessee	350	318	242	175	276	353	352	319	997	1,159	986	1,074
Alabama	136	130	87	65	247	296	303	332	932	1,044	822	799
Mississippi	216	215	131	103	256	308	328	369	1,013	1,250	923	1,009
West South Central	2,349	2,180	1,760	1,524	1,286	1,885	1,893	1,918	10,731	10,108	9,009	10,241
Arkansas	255	252	182	138	222	323	341	362	1,028	1,073	810	811
Louisiana	181	179	131	118	132	180	173	201	805	804	697	730
Oklahoma	743	738	608	506	257	337	368	315	1,954	2,074	1,657	2,097
Texas	1,170	991	838	762	676	846	1,010	1,040	6,935	6,157	5,846	6,603
Mountain	1,427	2,078	1,850	1,511	49	89	112	89	6,081	7,800	7,406	6,686
Montana	316	669	594	450	4	9	10	8	943	1,269	1,322	1,290
Idaho	198	293	233	206	4	8	8	7	454	715	606	622
Wyoming	156	198	200	173	2	3	5	4	767	875	783	824
Colorado	294	421	365	329	15	31	38	29	1,125	1,757	1,436	1,454
New Mexico	180	183	187	141	15	20	31	23	1,082	1,300	1,267	1,060
Arizona	100	136	112	80	4	12	12	12	825	822	1,009	695
Utah	116	125	110	91	2	3	4	3	412	506	504	442
Nevada	68	50	50	41	3	2	4	3	450	356	419	309
Pacific	1,021	970	780	587	92	101	101	77	3,204	3,432	3,285	3,531
Washington	281	296	242	182	12	23	26	22	402	573	582	625
Oregon	272	272	224	179	10	14	19	14	725	851	784	805
California	469	402	314	226	70	63	56	41	2,077	2,008	1,918	2,101

[1] Figures for 1910 are number reported as living Apr. 15, 1910, which had been born before Jan. 1, 1909; that is, 15½ months old and over on Apr. 15, or 1 year old and over on Jan. 1, 1910; for 1920 and 1925, 1 year old and over; for 1920, cows and heifers born before 1920, kept mainly for milk production.

FARMS, BY DIVISIONS AND STATES, 1910 TO 1930

1910, to Jan. 1 in 1920 and 1925 and Apr. 1 in 1930, figures are not very closely comparable

in thousands]

Dairy cows [1]				Sheep				Swine				Division and State
1910	1920 (Jan. 1)	1925 (Jan. 1)	1930 (Apr. 1)	1910 (Apr. 15)	1920 (Jan. 1)	1925 (Jan. 1)	1930 [2] (Jan. 1)	1910 (Apr. 15)	1920 (Jan. 1)	1925 (Jan. 1)	1930 (Apr. 1)	
20,625	23,724	20,714	24,256	52,448	35,034	35,590	50,503	58,186	59,346	50,854	56,295	U. S.
842	1,016	920	818	431	243	154	165	397	384	193	228	N. Eng.
157	217	181	153	206	119	85	82	87	91	54	48	Me.
101	119	97	85	44	23	16	20	45	42	16	16	N. H.
265	346	325	310	119	63	35	41	95	73	44	29	Vt.
172	174	164	137	33	19	10	13	103	104	58	105	Mass.
23	25	24	22	7	3	2	2	14	13	4	5	R. I.
123	135	129	111	22	11	7	7	52	61	17	27	Conn.
2,598	2,928	2,870	2,426	1,844	1,098	893	-------	1,791	1,931	1,050	1,007	Mid. Atl.
1,510	1,730	1,552	1,405	930	579	473	-------	660	601	259	221	N. Y.
154	148	135	121	31	10	6	-------	147	139	56	129	N. J.
934	1,050	983	900	883	509	415	-------	978	1,191	734	657	Pa.
4,830	6,082	5,877	5,800	9,542	5,073	4,479	5,412	14,461	14,183	11,774	12,985	E. N. C.
905	1,059	968	961	3,909	2,103	1,941	2,105	3,106	3,084	2,368	2,778	Ohio.
634	727	691	738	1,337	644	505	769	3,614	3,757	2,939	3,347	Ind.
1,050	1,148	969	1,088	1,060	638	565	693	4,686	4,639	4,249	4,652	Ill.
767	967	944	843	2,306	1,209	1,066	1,352	1,246	1,106	855	596	Mich.
1,474	2,180	2,304	2,170	930	480	310	493	1,809	1,596	1,363	1,612	Wis.
5,328	5,485	4,403	6,846	5,065	4,950	4,007	6,863	21,282	21,715	24,600	27,650	W. N. C.
1,085	1,532	1,565	1,712	638	509	379	865	1,520	2,331	2,715	3,316	Minn.
1,407	1,094	822	1,486	1,146	1,092	818	1,131	7,546	7,864	8,567	10,056	Iowa.
866	793	617	969	1,811	1,272	894	1,146	4,438	3,889	3,502	3,861	Mo.
259	461	385	583	293	209	311	720	332	458	784	628	N. Dak.
370	406	292	587	611	844	644	1,139	1,010	1,954	2,600	2,637	S. Dak.
614	517	268	691	294	573	647	1,208	3,436	3,436	4,236	4,679	Nebr.
736	681	454	818	272	361	315	659	3,000	1,733	2,197	2,473	Kans.
1,811	2,012	1,549	1,704	2,514	1,209	1,077	1,420	5,964	6,536	4,176	4,393	S. Atl.
36	38	39	34	8	3	2	2	49	39	24	30	Del.
167	180	196	190	237	103	92	111	302	306	188	205	Md.
1	1	1	1	-------	[3]	[4]	[4]	1	1	1	1	D. C.
356	418	329	384	805	342	351	470	798	941	582	700	Va.
240	210	154	216	910	510	441	629	328	305	177	222	W. Va.
309	355	292	298	214	91	67	88	1,228	1,271	872	839	N. C.
181	229	178	151	38	24	14	15	665	845	535	471	S. C.
406	484	308	342	188	72	51	49	1,784	2,071	1,300	1,358	Ga.
116	90	52	88	114	65	60	56	810	755	498	567	Fla.
1,628	2,031	1,593	1,868	2,496	1,318	1,155	-------	5,439	6,207	3,453	3,608	E. S. C.
410	515	433	532	1,363	708	696	-------	1,492	1,504	919	1,041	Ky.
397	495	416	493	795	364	290	-------	1,388	1,832	1,009	1,003	Tenn.
392	491	363	371	143	82	56	-------	1,267	1,497	827	831	Ala.
430	530	381	472	195	164	114	-------	1,292	1,373	698	733	Miss.
2,250	2,296	1,730	2,589	2,194	2,909	3,359	-------	7,022	5,758	3,451	4,148	W. S. C.
426	517	325	389	144	100	51	-------	1,519	1,378	847	776	Ark.
279	218	116	256	178	130	109	-------	1,328	851	518	759	La.
531	560	429	703	62	105	62	-------	1,339	1,304	920	1,051	Okla.
1,014	1,002	860	1,241	1,809	2,573	3,137	-------	2,336	2,226	1,166	1,562	Tex.
514	754	723	973	22,770	13,207	15,130	21,087	641	1,193	1,311	1,217	Mountain.
78	153	122	186	5,381	2,033	2,188	4,200	99	167	278	210	Mont.
86	143	171	194	3,010	2,356	1,746	2,260	178	240	276	268	Idaho.
33	42	39	72	5,397	1,860	2,507	3,515	34	72	100	98	Wyo.
145	234	192	266	1,426	1,813	2,244	3,495	179	450	493	462	Colo.
51	46	47	70	3,347	1,640	1,743	2,527	45	88	55	65	N. Mex.
29	39	41	41	1,227	882	1,164	1,189	17	50	19	24	Ariz.
76	81	88	120	1,827	1,692	2,355	2,813	64	99	64	67	Utah.
17	16	23	24	1,155	881	1,184	1,088	23	27	25	23	Nev.
826	1,120	1,249	1,232	5,592	5,026	5,336	7,271	1,190	1,441	845	1,059	Pacific.
186	290	319	298	476	624	516	657	206	265	198	186	Wash.
173	216	245	253	2,699	2,002	1,775	2,576	218	267	216	225	Oreg.
467	614	685	681	2,417	2,400	3,045	4,038	767	909	431	648	Calif.

[2] Estimates by Department of Agriculture. [3] Less than 500. [4] No estimate.

Source: Bureau of the Census, Department of Commerce, except number of sheep, 1930, which are from the Department of Agriculture.

No. 626.—DOMESTIC ANIMALS ON FARMS IN THE UNITED STATES: BY AGE AND SEX, APRIL 1, 1930

NOTE.—Data for sheep and goats are not yet available

Class	Number (thousands)	Class	Number (thousands)
Horses, total	13, 511	**Cattle—Continued.**	
Colts born between Jan. 1 and Apr. 1, 1930	127	Steers born in 1928 (2-year-olds)	2, 621
Colts born in 1929 (yearlings)	495	Steers born before 1928	1, 137
Colts born in 1928 (2-year-olds)	463	Heifers born in 1928 (2-year-olds)	5, 844
Horses born before 1928	12, 426	Kept mainly for milk production	3, 760
Mules, total	5, 375	Kept mainly for beef production	2, 084
Mule colts born between Jan. 1 and Apr. 1, 1930	21	Cows and heifers born before 1928	28, 340
Mule colts born in 1929 (yearlings)	81	Kept mainly for milk production	20, 496
Mule colts born in 1928 (2-year-olds)	87	Kept mainly for beef production	7, 844
Mules born before 1928	5, 187		
Cattle, total	63, 908	**Swine, total**	58, 295
Calves born between Jan. 1 and Apr. 1, 1930	9, 643	Pigs born between Jan. 1 and Apr. 1, 1930	23, 498
Steers and bulls born in 1929 (yearlings)	6, 317	Sows and gilts farrowing between Jan. 1 and June 1, 1930	7, 677
Heifers born in 1929 (yearlings)	8, 743	Other swine born before Jan. 1, 1930	25, 120
Bulls born before 1929	1, 263		

No. 627.—DOMESTIC ANIMALS ON FARMS IN THE UNITED STATES: NUMBER, AVERAGES, AND RATIOS, AT EACH CENSUS, 1910 TO 1930

NOTE.—By reason of the change in date of enumeration from Apr. 15 in 1910 to Jan. 1 in 1920 and 1925, and Apr. 1 in 1930, figures are not very closely comparable

Item	Horses	Mules	All cattle	Dairy cows [1]	Sheep	Goats	Swine
Number:							
1910	19, 833, 113	4, 209, 769	61, 803, 866	17, 125, 471	52, 447, 861	2, 915, 125	58, 185, 679
1920	19, 767, 161	5, 432, 391	66, 639, 556	19, 676, 297	35, 033, 516	3, 458, 925	59, 346, 409
1925	16, 400, 623	5, 680, 897	60, 760, 366	17, 644, 867	35, 590, 159	3, 370, 218	50, 853, 529
1930	13, 510, 839	5, 375, 017	63, 907, 986	24, 256, 439	(3)	(3)	56, 294, 580
Increase, 1925–1930: [2]							
Number	−2, 889, 784	−305, 880	3, 147, 620	6, 611, 572	(3)	(3)	5, 441, 054
Per cent	−17. 6	−5. 4	5. 2	37. 5	(3)	(3)	10. 7
Number of farms reporting:							
1910	4, 692, 814	1, 869, 005	5, 284, 916	5, 140, 809	610, 804	82, 755	4, 351, 751
1920	4, 704 235	2, 259, 746	5, 358, 243	4, 461, 296	538, 593	107, 267	4, 850, 807
1925	[4] 5, 365, 513	(5)	(5)	3, 728, 587	430, 738	91, 402	3, 618, 624
1930	[4] 5, 025, 713	(5)	(5)	(3)	(3)	(3)	(3)
Per cent of all farms:							
1910	73. 8	29. 4	83. 1	80. 8	9. 6	1. 3	68. 4
1920	73. 0	35. 0	83. 1	69. 2	8. 4	1. 7	75. 2
1925	[4] 84. 2	(5)	(5)	58. 5	6. 8	1. 4	56. 8
1930	[4] 79. 9	(5)	(5)	(3)	(3)	(3)	(3)
Average number per farm reporting:							
1910	4. 2	2. 3	11. 7	[6] 3. 3	85. 9	35. 2	13. 4
1920	4. 2	2. 4	12. 4	4. 4	65. 0	32. 2	12. 2
1925	[4] 4. 1	(5)	(5)	4. 7	82. 6	36. 9	14. 1
1930	[4] 3. 8	(5)	(5)	(6)	(3)	(3)	(3)
Average number per 1,000 acres of all land in farms:							
1910	23	5	70	19	60	3	66
1920	21	6	70	21	37	4	62
1925	18	6	66	19	39	4	55
1930	14	5	65	25	(3)	(3)	57
Average value per head (dollars): [3]							
1910	105. 06	124. 80	24. 26	37. 06	4. 44	2. 12	6. 86
1920	90. 15	143. 45	54. 80	76. 62	11. 29	5. 08	16. 66
1925	61. 07	79. 13	33. 24	51. 72	9. 96	3. 04	12. 09

[1] For 1910, 1920, and 1925, dairy cows 2 years old and over Jan. 1; figures for 1910 are estimated. The number of dairy cows actually reported in 1910 (1 year old and over Jan. 1) was 20,625,432. For 1930 cows and heifers born before 1929 kept mainly for milk production.

[2] A minus sign (−) denotes decrease.

[3] Data for 1930 are not yet available. [4] Includes mules. [5] Not available.

Source of Tables 626 and 627: Bureau of the Census, Department of Commerce.

No. 628.—DOMESTIC ANIMALS: RECEIPTS AND SHIPMENTS AT ALL REPORTING PUBLIC STOCKYARDS AND PRINCIPAL PUBLIC STOCKYARDS

[All figures in thousands]

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 [1]	Total, all stockyards reporting [1,2]
CATTLE AND CALVES												
Receipts:												
1911–1915	2,957	416	1,081	1,046	2,151	1,062	451	607	443	10,214		
1916–1920	3,924	685	1,368	1,421	2,328	1,745	683	1,286	739	14,678	7,893	22,573
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
1927	3,583	640	1,448	1,286	2,470	1,561	641	1,582	809	14,020	8,744	22,764
1928	3,267	667	1,315	1,211	2,210	1,518	598	1,490	813	13,089	8,389	21,478
1929	3,060	624	1,223	1,089	2,178	1,546	590	1,425	839	12,574	7,866	20,440
1930	2,796	593	1,203	969	2,167	1,605	560	1,339	857	12,089	8,077	20,166
Shipments:												
1911–1915	891	(1)	309	(1)	(1)	445	154	357	241	[3] 2,397		
1916–1920	1,017	538	393	586	1,266	740	223	749	416	5,927	3,538	9,465
1921–1925	1,103	453	814	429	1,421	729	232	475	411	6,067	3,623	9,690
1926–1930	846	454	887	463	1,130	626	187	447	415	5,454	3,407	8,861
1927	938	482	965	445	1,112	548	165	439	360	5,454	3,719	9,173
1928	763	505	920	470	1,155	614	189	423	409	5,448	3,563	9,011
1929	758	466	785	500	1,108	632	199	429	419	5,294	3,106	8,400
1930	710	449	769	476	1,138	684	195	331	437	5,189	3,129	8,318
SHEEP AND LAMBS												
Receipts:												
1911–1915	5,317	694	874	314	2,044	3,107	793	725	286	14,154		
1916–1920	4,353	1,857	613	404	1,711	3,251	832	665	404	14,090	8,747	22,837
1921–1925	4,173	1,918	575	351	1,619	2,704	974	521	279	13,114	9,457	22,571
1926–1930	4,044	2,076	568	464	1,783	2,972	1,500	972	714	15,094	10,922	26,016
1927	3,829	1,908	574	445	1,616	2,604	1,348	705	527	13,556	10,383	23,939
1928	3,868	2,295	510	458	1,767	3,037	1,580	891	568	14,974	10,623	25,597
1929	3,785	2,290	534	540	1,753	3,031	1,636	1,139	840	15,548	11,320	26,868
1930	4,335	2,062	584	432	2,016	3,410	1,634	1,354	1,188	17,015	12,793	29,808
Shipments:												
1911–1915	1,088	(1)	78	(1)	(1)	1,412	183	534	76	[3] 3,371		
1916–1920	1,076	1,684	98	282	658	1,703	233	472	191	6,347	5,564	11,911
1921–1925	1,306	1,746	215	215	516	1,129	228	205	90	5,650	5,999	11,649
1926–1930	1,208	1,859	215	232	504	1,252	374	457	216	6,316	7,055	13,371
1927	1,038	1,720	205	221	492	1,114	303	261	152	5,507	6,975	12,482
1928	1,128	2,074	191	237	507	1,295	429	415	158	6,434	6,890	13,324
1929	1,118	2,057	201	258	458	1,334	467	582	255	6,730	7,265	13,995
1930	1,311	1,808	213	204	501	1,378	377	691	402	6,885	7,721	14,606
SWINE												
Receipts:												
1911–1915	7,225	258	2,678	465	2,611	2,540	1,837	1,379	1,520	20,513		
1916–1920	8,234	382	3,214	759	2,838	3,046	2,102	2,220	2,239	25,034	17,518	42,552
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	2,104	2,997	1,537	3,017	2,436	24,605	17,911	42,516
1927	7,724	457	3,710	338	1,904	2,631	1,425	3,105	2,322	23,616	17,795	41,411
1928	8,539	567	4,036	432	2,391	3,179	1,724	2,902	2,754	26,524	20,003	46,527
1929	8,103	539	3,865	402	2,476	3,166	1,627	2,869	2,313	25,460	18,647	44,097
1930	7,870	512	3,459	279	2,015	3,363	1,446	2,759	2,317	24,020	16,754	40,774
Shipments:												
1911–1915	1,439	(1)	891	(1)	(1)	393	121	424	419	[3] 3,687		
1916–1920	1,271	26	1,244	139	478	754	201	827	884	5,824	7,894	13,718
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	885	8,684	7,204	15,889
1927	2,113	124	2,624	21	510	608	297	927	693	8,007	7,036	15,043
1928	2,145	101	2,986	27	675	1,011	443	860	1,121	9,369	7,822	17,191
1929	1,831	121	2,767	53	1,011	888	427	812	789	8,699	7,455	16,154
1930	1,786	128	2,805	35	916	1,066	442	865	891	8,934	6,948	15,882
HORSES AND MULES												
Receipts:												
1911–1915	112	28	182	49	86	34	36	7	14	548		
1916–1920	98	26	236	76	98	25	35	10	22	626	568	1,194
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
1927	16	27	69	43	44	16	8	11	13	247	202	449
1928	19	24	70	43	43	18	9	11	13	250	200	450
1929	19	22	71	42	52	21	7	18	17	269	188	457
1930	18	9	51	27	54	15	5	13	12	204	142	346

[1] Figures not available prior to 1915. [2] Total for about 70 stockyards. [3] Total of six stockyards.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 629.—DOMESTIC ANIMALS: RECEIPTS AND SHIPMENTS AT NINE STOCKYARDS

[All figures in thousands. Stockyards covered are those named in Table 628]

Year	Cattle and calves		Sheep and lambs		Swine		Horses and mules, receipts
	Receipts	Shipments[1]	Receipts	Shipments[1]	Receipts	Shipments[1]	
1911	10,790	2,724	14,327	3,713	20,720	3,229	515
1912	10,426	2,418	14,797	3,235	20,382	3,576	481
1913	10,329	2,484	14,986	3,947	20,576	3,815	482
1914	9,466	2,173	14,372	3,337	19,044	3,525	478
1915	10,057	4,081	12,288	4,050	21,840	4,784	780
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	20,607	5,624	600
1919	15,932	6,713	16,847	7,850	26,237	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	186
1922	14,590	6,677	12,253	5,484	24,601	7,056	242
1923	15,013	6,484	13,192	5,879	32,320	9,597	302
1924	16,189	6,119	13,382	5,972	32,612	11,040	245
1925	15,206	5,709	13,167	5,615	26,415	9,300	242
1926	15,242	5,883	14,379	6,025	23,414	8,413	211
1927	14,020	5,454	13,556	5,507	23,616	8,007	247
1928	13,089	5,448	14,974	6,434	26,524	9,369	250
1929	12,574	5,204	15,548	6,730	25,450	8,699	269
1930	12,089	5,189	17,015	6,885	24,020	8,934	204

[1] Denver, Fort Worth, and Kansas City are not included prior to 1915.

No. 630.—DOMESTIC ANIMALS: RECEIPTS AND STOCKER AND FEEDER SHIPMENTS AT ALL PUBLIC STOCKYARDS

[All figures in thousands]

Item	*1916–1920*, average	*1921–1925*, average	*1925*	*1926*	*1927*	*1928*	*1929*	*1930*
Cattle and calves:								
Receipts	22,573	22,706	24,067	23,872	22,763	21,478	20,440	20,166
Stocker and feeder shipments	4,610	4,144	3,823	3,712	3,615	3,966	3,651	3,426
Sheep and lambs:								
Receipts	22,838	22,572	22,100	23,868	23,939	25,597	26,863	29,808
Stocker and feeder shipments	5,014	4,150	4,332	4,623	4,895	5,011	5,565	4,463
Swine:								
Receipts	42,552	47,968	43,929	39,772	41,411	46,527	44,097	40,774
Stocker and feeder shipments	720	588	532	917	888	735	623	517

No. 631.—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:													
1916–1920	22,573	1,725	1,358	1,485	1,613	1,765	1,672	1,740	1,885	2,330	2,709	2,476	1,816
1921–1925	22,706	1,781	1,404	1,621	1,642	1,789	1,677	1,745	2,082	2,264	2,716	2,236	1,838
1926–1930	21,744	1,744	1,429	1,603	1,693	1,765	1,614	1,639	1,823	2,157	2,527	2,082	1,667
1927	22,763	1,832	1,555	1,734	1,674	1,956	1,732	1,547	2,065	1,988	2,635	2,346	1,691
1928	21,478	1,771	1,516	1,466	1,684	1,799	1,558	1,650	1,829	2,190	2,542	1,963	1,510
1929	20,440	1,639	1,195	1,450	1,752	1,660	1,451	1,665	1,619	2,104	2,407	1,943	1,555
1930	20,166	1,639	1,326	1,547	1,644	1,517	1,459	1,512	1,605	2,107	2,377	1,696	1,736
Sheep and lambs:													
1916–1920	22,838	1,518	1,267	1,253	1,272	1,315	1,496	1,753	2,397	3,090	3,307	2,430	1,742
1921–1925	22,572	1,685	1,416	1,503	1,448	1,687	1,626	1,697	2,064	2,647	3,262	1,952	1,534
1926–1930	26,016	1,755	1,601	1,690	1,754	2,038	1,925	1,945	2,395	3,290	3,698	2,128	1,787
1927	23,939	1,740	1,501	1,558	1,486	2,013	1,816	1,676	2,209	2,848	3,587	1,896	1,609
1928	25,597	1,705	1,669	1,520	1,591	1,952	1,913	1,898	2,362	3,386	3,938	2,053	1,610
1929	26,863	1,877	1,544	1,527	2,012	2,173	1,752	2,119	2,544	3,355	4,093	2,168	1,763
1930	29,808	1,903	1,803	2,151	2,230	2,334	2,230	2,296	2,583	3,580	3,784	2,607	2,307
Swine:													
1916–1920	42,552	5,191	4,097	3,773	3,236	3,596	3,261	2,794	2,308	2,233	3,125	4,204	4,733
1921–1925	47,968	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
1927	41,411	4,252	3,308	3,754	3,142	3,613	3,775	3,046	3,041	2,565	3,039	3,666	4,209
1928	46,527	5,306	5,267	4,639	3,483	3,723	3,548	2,924	2,523	2,600	3,666	4,075	4,773
1929	44,097	5,133	4,000	3,436	3,682	3,431	3,275	3,297	2,964	3,089	3,701	3,933	4,256
1930	40,774	4,720	3,781	3,294	3,255	3,293	3,215	2,918	2,617	2,799	3,441	3,439	4,002

Source of Tables 629, 630, and 631: Bureau of Agricultural Economics, Department of Agriculture.

No. 632.—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[1]		Calves, veal		Sheep		Lambs		Hogs	
		Farm	Chicago	Farm	Chicago	Farm	Chicago	Farm	Chicago	Farm	Chicago
1911–1915	52.33	5.55	7.89	7.09	9.30	4.00	5.13	6.01	7.57	6.90	7.60
1916–1920	79.47	8.42	12.91	11.07	14.35	8.97	10.25	11.85	15.05	13.26	14.78
1921–1925	56.29	5.66	9.13	8.09	9.78	6.35	7.02	10.10	13.53	8.32	9.04
1926–1930	79.54	7.96	11.82	10.71	13.07	7.06	6.57	11.02	13.54	9.63	10.23
1916	60.95	6.48	9.50	8.35	10.85	6.29	7.82	8.22	10.77	8.13	9.60
1917	71.86	8.17	11.60	10.51	13.75	9.45	11.04	12.31	15.68	13.46	15.10
1918	83.07	9.46	14.65	11.91	15.75	10.95	12.44	13.93	16.98	15.85	17.45
1919	91.96	9.61	15.50	12.76	16.83	9.63	10.47	12.96	16.31	16.02	17.85
1920	89.51	8.38	13.30	11.80	14.58	8.51	9.49	11.85	15.50	12.86	13.91
1921	59.10	5.44	8.20	7.81	9.36	4.65	5.13	7.19	9.86	7.81	8.51
1922	53.56	5.43	8.65	7.68	9.15	5.96	7.15	9.70	13.68	8.32	9.22
1923	55.43	5.57	9.40	7.99	9.66	6.65	7.10	10.50	13.89	7.11	7.55
1924	55.48	5.59	9.24	8.12	9.86	6.81	7.57	10.75	14.57	7.46	8.11
1925	57.87	6.26	10.16	8.85	10.87	7.70	8.16	12.30	15.66	10.88	11.81
1926	65.51	6.46	9.47	9.61	11.61	7.43	7.25	11.56	14.26	11.75	12.34
1927	74.19	7.54	11.86	10.16	12.90	7.26	7.04	11.41	14.12	9.67	9.95
1928	80.75	9.18	13.91	11.79	14.56	7.68	7.39	12.09	14.99	8.60	9.22
1929	94.10	9.20	13.43	12.18	14.76	7.55	6.87	11.91	14.62	9.34	10.16
1930	74.16	7.43	10.95	9.83	11.51	5.36	4.32	8.15	9.69	8.78	9.47

[1] Chicago prices are for beef steers, all grades, excluding western.

No. 633.—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[1]
Beef steers:[2]													
1925	8.97	9.15	9.93	9.99	9.90	10.34	11.28	11.10	11.04	10.80	10.16	9.72	10.16
1926	9.48	9.42	9.42	9.11	9.07	9.51	9.44	9.30	10.00	10.00	9.48	9.43	9.47
1927	9.70	9.81	10.20	10.51	10.68	11.12	11.78	12.02	12.63	13.43	13.57	13.08	11.36
1928	13.67	13.15	12.83	13.01	13.19	13.86	15.11	15.30	15.91	14.61	13.84	12.86	13.91
1929	12.51	11.92	12.68	13.52	13.67	14.10	14.59	14.22	13.92	13.81	13.00	12.74	13.43
1930	12.62	12.46	12.33	11.88	11.15	10.59	9.42	9.48	10.95	10.64	10.47	10.17	10.95
Calves, veal:													
1925	10.72	11.94	11.24	9.49	9.42	9.56	10.91	11.04	12.18	11.19	10.60	11.30	10.87
1926	12.18	12.43	12.06	9.91	11.04	11.09	11.38	12.46	12.59	11.80	11.09	11.31	11.60
1927	12.20	12.40	11.54	10.90	11.07	11.68	13.32	14.75	15.94	14.42	13.48	13.09	12.91
1928	13.70	15.04	13.75	13.02	13.95	13.24	14.84	16.68	17.36	14.94	14.22	13.94	14.56
1929	15.83	14.74	15.50	14.43	13.39	14.22	15.30	15.81	16.64	13.76	13.70	13.82	14.76
1930	14.80	12.66	11.96	10.55	11.36	11.03	11.37	11.98	11.83	11.33	9.53	9.77	11.51
Sheep:													
1925	10.33	9.69	9.22	7.84	7.96	6.25	7.48	6.83	6.95	7.64	8.16	9.57	8.16
1926	9.72	9.18	8.82	8.87	7.97	5.85	5.97	6.50	6.25	6.12	5.88	5.86	7.25
1927	6.94	8.03	8.88	9.62	7.44	5.88	6.25	6.47	6.14	6.00	6.40	6.41	7.04
1928	7.03	8.96	9.47	10.16	8.53	6.12	6.28	6.72	6.34	6.18	5.84	7.03	7.39
1929	9.32	8.78	9.72	10.34	6.77	6.28	5.85	5.34	4.56	4.70	5.38	5.41	6.87
1930	6.50	5.53	5.59	5.66	5.31	3.38	3.12	3.53	3.50	3.10	3.34	3.22	4.32
Lambs:													
1925	18.28	17.59	16.28	14.85	13.06	15.86	15.11	14.88	15.19	15.20	15.44	16.15	15.66
1926	15.28	13.78	13.48	14.38	15.30	16.66	14.31	14.20	14.05	13.88	13.25	12.57	14.26
1927	12.64	13.28	15.27	15.87	14.75	15.66	14.25	13.68	13.46	13.70	13.80	13.14	14.12
1928	13.16	15.39	16.26	16.81	16.10	16.34	15.61	14.72	14.20	13.12	13.31	14.31	14.99
1929	16.37	16.53	17.07	16.82	13.62	15.35	14.38	13.50	13.19	12.73	12.72	13.22	14.62
1930	13.28	11.03	10.28	9.38	9.73	12.28	10.18	9.39	8.24	7.72	7.34	7.43	9.69
Hogs:													
1925	10.38	11.06	13.55	12.55	12.06	12.57	13.46	12.66	12.52	11.31	11.28	10.97	11.81
1926	12.02	12.45	12.20	12.33	13.55	14.01	12.51	11.48	12.03	12.72	11.80	11.57	12.34
1927	11.96	11.73	11.28	10.69	9.59	8.78	9.05	9.03	10.22	10.39	8.92	8.32	9.95
1928	8.25	8.08	8.08	9.28	9.67	9.91	10.65	11.53	11.89	9.57	8.83	8.61	9.22
1929	9.22	10.19	11.44	11.41	10.81	10.72	11.20	10.62	9.85	9.38	9.06	9.34	10.16
1930	9.78	10.67	10.17	10.00	10.02	9.52	8.73	9.58	9.76	9.34	8.55	7.92	9.47

[1] Simple averages of monthly average prices, except the averages for beef steers and hogs, which are weighted averages.
[2] Western steers not included.

Source of Tables 632 and 633: Bureau of Agricultural Economics, Department of Agriculture.

No. 634.—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		Pork, cured, clear sides, Chicago		Lard, prime contract, New York		Mutton, dressed, New York	
	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	7.9	48.8	7.8	55.3	7.6	55.9
1896–1900	3.98	41.9	4.94	49.0	------	------	9.2	40.4	5.9	36.4	5.4	38.3	7.1	52.2
1901–1905	5.89	62.1	5.52	54.7	------	------	11.4	50.0	9.0	55.6	8.6	61.0	7.6	55.9
1906–1910	6.93	73.1	6.13	60.7	------	------	13.2	57.9	10.6	65.4	10.3	73.0	9.1	66.9
1911–1915	7.64	80.6	8.28	82.0	------	------	15.4	67.5	11.6	71.6	10.1	71.6	9.4	69.1
1916–1920	15.07	159.0	14.16	140.3	------	------	28.6	125.4	23.5	145.1	21.9	155.3	16.4	120.6
1921–1925	9.26	97.7	9.70	96.1	[1] 16.1	[1] 100.0	24.3	106.6	15.3	94.4	13.0	92.2	12.6	92.6
1926–1930	10.41	109.8	12.25	121.3	18.7	116.1	25.1	110.1	17.8	109.9	12.6	89.4	13.4	98.5
1926	12.34	130.2	9.53	94.4	22.4	139.1	30.8	135.1	20.1	124.1	15.0	106.4	14.4	105.9
1927	10.14	107.0	12.69	125.7	18.3	113.7	24.6	107.9	18.7	115.4	12.9	91.5	14.1	103.7
1928	9.63	101.6	14.49	143.6	17.0	105.6	22.8	100.0	16.3	100.6	12.3	87.2	14.2	104.4
1929	10.32	108.9	13.49	133.7	18.3	113.7	24.4	107.0	17.1	105.6	12.0	85.1	14.1	103.7
1930	9.61	101.4	11.03	109.3	17.5	108.7	23.0	100.9	16.6	102.5	10.9	77.3	10.0	73.5

	Beef, fresh, carcass, steers, Chicago		Beef, fresh, native sides, New York		Poultry, dressed, Chicago		Butter, creamery, extra, New York		Cheese, whole milk, New York		Eggs, firsts, fresh, New York [2]		Milk, fresh, New York	
1891–1895	------	------	7.9	52.0	------	------	24.7	54.9	10.3	46.6	------	42.9	3.3	45.2
1896–1900	------	------	7.8	51.3	------	------	20.1	44.7	9.8	44.3	------	38.1	3.1	42.5
1901–1905	------	------	8.3	54.6	------	------	23.3	51.8	11.2	50.7	------	50.7	3.4	46.6
1906–1910	[3] 11.0	[3] 64.7	9.1	59.9	------	------	27.9	62.0	14.3	64.7	------	60.1	4.0	54.8
1911–1915	12.8	75.3	12.1	79.6	[4] 14.3	[4] 58.1	30.0	66.7	15.2	68.8	[4] 25.7	67.7	4.2	57.5
1916–1920	19.8	116.5	18.6	122.4	25.3	102.8	50.1	111.3	25.6	115.8	45.6	123.2	7.1	97.3
1921–1925	16.4	96.5	14.8	97.4	25.0	101.6	43.8	97.3	21.7	98.2	37.2	100.5	7.4	101.4
1926–1930	20.3	119.4	18.5	121.7	24.3	98.8	44.1	98.0	23.0	104.1	33.0	89.2	8.2	112.3
1926	16.4	96.5	15.1	99.3	27.1	110.2	44.3	98.4	22.7	102.7	35.6	96.2	7.7	105.5
1927	18.6	109.4	17.7	116.4	23.2	94.3	47.3	105.1	24.9	112.7	32.0	86.5	8.0	109.6
1928	22.8	134.1	20.9	137.5	22.6	91.9	47.4	105.3	25.1	113.6	32.9	88.9	8.2	112.3
1929	23.1	135.9	21.0	138.2	24.2	98.4	44.9	99.8	23.6	106.8	36.8	99.5	8.6	117.8
1930	20.7	121.8	17.6	115.8	24.2	98.4	36.4	80.9	18.9	85.5	27.8	75.1	8.3	113.7

[1] Average for 1923 to 1925.
[2] 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.
[3] Average for 1908 to 1910.
[4] Average for 1913 to 1915.

Source: Absolute prices, Bureau of Labor Statistics, Department of Labor; indexes, computed from absolute prices by Bureau of Foreign and Domestic Commerce.

No. 635.—FARM PRICES OF ANIMALS AND ANIMAL PRODUCTS

NOTE.—All prices are in cents per pound except for eggs which are in cents per dozen. Prices represent weighted averages for the entire country. Annual averages are weighted according to volume marketed each month. Market year begins in August for cattle, November for hogs, June for lambs, July for chickens, April for eggs, and May for butterfat. Quotations are as of the 15th of each month

Market year beginning—	Beef cattle	Hogs	Lambs	Chickens	Eggs	Butterfat	Calendar year	Veal calves	Sheep	Wool [2]	Butter
1910–1914	5.42	6.94	5.91	11.2	19.1	(1)	1910–1914	6.84	4.60	17.7	25.2
1915–1920	8.01	12.34	11.10	19.2	31.9	(1)	1915–1920	10.49	8.35	41.0	39.5
1921–1925	5.71	8.92	10.42	19.1	25.9	39.3	1921–1925	8.09	6.35	32.1	38.6
1920	6.78	8.52	9.41	22.8	39.3	(1)	1926–1930	10.71	7.06	30.2	41.5
1921	5.15	8.10	7.83	19.3	25.3	34.0	1921	7.81	4.65	16.4	37.0
1922	5.57	7.34	10.30	18.2	24.7	39.3	1922	7.68	5.96	29.8	35.3
1923	5.58	7.06	10.54	18.3	25.2	42.4	1923	7.99	6.65	38.9	40.4
1924	5.86	10.46	11.45	19.2	26.1	38.1	1924	8.12	6.81	36.9	39.4
1925	6.40	11.63	11.98	20.7	28.3	42.6	1925	8.85	7.70	38.5	40.7
1926	6.67	10.21	11.36	20.7	27.5	42.5	1926	9.61	7.43	32.5	41.1
1927	8.58	8.67	11.76	19.8	24.2	43.6	1927	10.16	7.26	30.7	42.3
1928	9.45	9.27	12.31	22.1	27.4	45.8	1928	11.79	7.68	36.7	43.7
1929	8.63	8.93	10.71	20.4	27.9	41.8	1929	12.18	7.55	30.9	43.8
							1930	9.83	5.36	20.3	36.8
Dec., 1929	8.48	8.53	10.76	19.1	45.8	41.9					
Dec., 1930	6.37	7.44	6.18	15.3	26.8	30.6	Dec., 1929	11.69	6.61	27.8	43.0
Jan., 1931	6.41	7.25	6.30	15.7	22.1	26.2	Dec., 1930	8.48	3.96	18.4	34.8
Feb., 1931	6.03	6.81	6.59	15.1	14.1	25.0	Jan., 1931	8.61	4.04	17.4	31.0
Mar., 1931	6.03	6.92	6.84	16.1	17.0	27.5	Feb., 1931	8.20	4.15	16.4	28.1
							Mar., 1931	7.66	4.24	15.9	29.4

[1] Not available.
[2] Unwashed.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 636.—MEATS AND LARD: PRODUCTION, EXPORTS, IMPORTS, AND CONSUMPTION, AND NUMBER OF ANIMALS SLAUGHTERED UNDER FEDERAL INSPECTION

NOTE.—All figures except per capita in millions of pounds. Uninspected slaughter is estimated, by use of average carcass weights and dressing percentages obtained from packers and stockyards data, census reports, etc. The edible offal (liver, pluck, etc.) is disregarded. Exports include shipments to noncontiguous territories. Figures of consumption beginning with 1916 include differences between quantities in storage at beginning and end of year

Yearly average or year (calendar)	Production			Exports	Imports (less re-exports)	Consumption	
	Estimated total	Federally inspected	Uninspected [1]			Estimated total	Per capita (pounds)
All meat (excluding lard): [2]							
1910–1914	13,776	8,256	5,520	506	[3] 171	13,239	139.2
1915–1920	15,040	9,925	5,125	1,603	90	13,204	128.3
1921–1925	16,852	11,030	5,822	704	38	15,989	142.9
1926–1930	16,854	11,176	5,678	386	107	16,544	137.8
1927	16,872	11,272	5,600	352	114	16,570	139.7
1928	16,955	11,317	5,638	360	143	16,569	138.0
1929	16,803	11,184	5,619	407	154	16,607	136.8
1930	16,394	10,754	5,640	345	63	16,223	131.7
Beef:							
1910–1914	6,109	3,761	2,347	79	[3] 144	6,059	63.8
1915–1920	6,541	4,681	1,860	365	66	6,143	59.6
1921–1925	6,791	4,619	2,172	44	23	6,770	60.5
1926–1930	6,501	4,558	1,944	30	88	6,602	55.0
1927	6,826	4,783	2,043	34	82	6,926	58.4
1928	6,082	4,263	1,819	24	121	6,210	51.7
1929	6,065	4,275	1,790	27	138	6,247	51.4
1930	6,076	4,245	1,831	29	57	6,172	50.1
Veal:							
1910–1914	552	195	358	----------	[4] 5	553	5.8
1915–1920	665	297	368	----------	3	667	6.5
1921–1925	868	449	419	----------	4	869	7.8
1926–1930	858	479	379	----------	5	863	7.2
1927	867	493	374	----------	8	874	7.4
1928	814	462	352	----------	8	822	6.8
1929	816	453	363	----------	5	821	6.8
1930	833	459	374	----------	2	835	6.8
Mutton and lamb:							
1910–1914	711	552	159	4	[4] 18	710	7.4
1915–1920	555	430	126	5	17	566	5.5
1921–1925	584	456	128	4	8	590	5.3
1926–1930	696	544	151	2	[5] 3	696	5.8
1927	645	502	143	2	3	645	5.4
1928	671	523	148	2	3	673	5.6
1929	699	545	154	1	4	703	5.8
1930	820	650	170	2	----------	819	6.6
Pork (excluding lard):							
1910–1914	6,361	3,733	2,628	422	[3] 16	5,873	61.7
1915–1920	7,273	4,513	2,760	1,233	5	5,813	56.5
1921–1925	8,607	5,506	3,101	746	4	7,754	69.3
1926–1930	8,798	5,595	3,203	354	11	8,382	69.8
1927	8,533	5,495	3,038	316	21	8,122	68.5
1928	9,387	6,069	3,318	334	11	8,863	73.9
1929	9,223	5,911	3,312	379	7	8,836	72.8
1930	8,665	5,400	3,265	314	4	8,397	68.2
Lard:							
1910–1914	1,614	948	666	519	----------	1,095	11.5
1915–1920	1,877	1,178	698	556	----------	1,321	12.9
1921–1925	2,445	1,660	785	896	----------	1,552	13.9
1926–1930	2,443	1,621	822	758	----------	1,683	14.0
1927	2,356	1,557	799	717	----------	1,634	13.8
1928	2,594	1,750	844	801	----------	1,763	14.7
1929	2,508	1,763	835	866	----------	1,735	14.3
1930	2,344	1,521	823	674	----------	1,701	13.8

NUMBER OF ANIMALS SLAUGHTERED UNDER FEDERAL INSPECTION (THOUSANDS)

Year	Cattle	Calves	Sheep	Goats	Swine	Year	Cattle	Calves	Sheep	Goats	Swine
1910–1914	7,283	2,060	13,808	93	31,986	1921	7,608	3,808	13,005	12	38,932
1915–1920	9,390	3,135	11,249	131	39,403	1922	8,678	4,182	10,929	21	43,114
1921–1925	8,979	4,556	11,891	26	46,269	1923	9,163	4,500	11,529	27	53,334
1926–1930	8,932	4,759	14,010	-------	45,355	1924	9,593	4,935	11,991	33	52,873
1915	7,153	1,819	12,212	153	38,381	1925	9,853	5,353	12,001	39	43,043
1916	8,310	2,367	11,941	199	43,084	1926	10,180	5,153	12,961	-------	40,636
1917	10,350	3,143	9,345	166	33,910	1927	9,520	4,876	12,883	-------	43,633
1918	11,829	3,456	10,320	138	41,214	1928	8,467	4,080	13,488	-------	49,795
1919	10,091	3,969	12,691	87	41,812	1929	8,324	4,489	14,023	-------	48,445
1920	8,609	4,058	10,982	42	38,019	1930	8,170	4,695	16,697	-------	44,266

[1] Estimated. [2] Includes small quantities of goat meat. [3] 2-year average. [4] 1914 only. [5] 4-year average.

Source: Bureau of Animal Industry, Department of Agriculture.

No. 637.—LIVESTOCK PRODUCTS OF FARMS: SUMMARY OF CENSUS STATISTICS FOR THE UNITED STATES

NOTE.—Number of chicken eggs produced in 1930, 2,689,728,000 dozen, chickens raised, 673,092,000; other data not yet available

Product	Unit	Quantity (thousands)				Value (thousands of dollars)		
		1899	1909	1919	1924	1909	1919	1924
Total value						1,177,975	2,666,944	2,345,219
Dairy products						596,413	1,481,462	1,260,778
Butter made on farms	Lb.	1,071,626	994,651	707,666	642,803	222,861	346,356	228,139
Cheese made on farms	do.	16,372	9,406	6,371	(1)	1,149	2,268	(1)
Whole milk sold	Gal.	2,134,830	1,037,256	2,529,331	2,666,612	252,437	717,380	555,269
Cream sold	do.	20,769	54,934	82,248	45,736	37,655	111,906	62,059
Butterfat sold	Lb.		305,663	532,244	1,061,062	82,312	303,552	415,311
Wool and mohair [2]	Lb.	277,529	293,199	235,604	235,531	66,374	124,007	93,122
Wool produced [2]	do.	276,568	289,420	228,795	227,105	65,472	120,418	88,630
Mohair produced	do.	961	3,779	6,809	8,426	902	3,589	4,491
Poultry products [3]						509,195	1,047,195	991,319
Eggs produced [2]	Doz.	1,293,662	1,591,311	[3] 1,654,045	[3] 1,913,245	306,689	[3] 661,083	[3] 571,938
Fowls raised [3]	No.	250,624	488,468	[3] 473,201	[3] 545,848	202,506	[3] 386,112	[3] 419,381
Honey and wax					(1)	5,992	14,280	(1)
Honey produced	Lb.	61,099	54,815	55,224	(1)	5,763	13,989	(1)
Wax produced	do.	1,764	905	821	(1)	229	291	(1)

[1] Not reported
[2] Figures include estimates for incomplete reports.
[3] *The 1919 and 1924 figures represent only chicken eggs and chickens raised, respectively.*

No. 638.—CHEESE: CENSUS STATISTICS OF PRODUCTION IN THE UNITED STATES AND IN LEADING STATES

NOTE.—**All figures in thousands of pounds.** All States producing over 2,000,000 pounds in any census year shown, which can be presented without disclosing data for individual establishments, are shown separately. Total production in factories only: 1904, 317,145,000 pounds; 1914, 370,279,000; 1921, 423,360,000; 1923, 563,640,000; 1925, 554,348,000

State	Total [1,2]		On farms [1]		In factories [1,2]			
	1909	1919	1909	1919	1909	1919	1927	1929
Total	320,532	479,940	9,406	6,371	311,126	473,569	515,462	579,394
California	4,346	12,055	2,778	2,346	1,568	9,709	19,247	29,875
Colorado	621	1,320	70	157	551	1,163	2,541	4,270
Idaho	[3] 91	2,655	91	32	(4)	2,623	8,952	7,834
Illinois	4,881	4,969	82	118	4,799	4,851	12,366	19,232
Indiana	489	378	64	109	425	269	3,649	12,850
Iowa	1,079	1,069	79	53	1,000	1,016	710	2,091
Kansas	[3] 28	[3] 20	28	20	(4)	(4)	582	3,554
Michigan	13,673	12,934	291	77	13,382	12,857	12,994	17,177
Minnesota	2,842	10,188	106	72	2,736	10,116	9,389	10,841
Missouri	*379*	*279*	*160*	*90*	219	189	2,781	5,985
Nebraska	[3] 64	[3] 23	64	23	(4)	(4)	(4)	4,984
New York	105,585	89,479	390	521	105,195	88,958	57,746	69,907
Ohio	12,474	5,655	613	434	11,861	5,221	8,582	10,427
Oregon	4,388	9,468	169	44	4,219	9,424	15,348	14,451
Pennsylvania	12,677	15,971	1,443	532	11,234	15,439	13,380	8,921
Tennessee	[3] 19	114	19	114	(4)	(4)	(4)	2,526
Texas	[3] 195	[3] 108	195	108	(4)	(4)	(4)	3,336
Utah	1,144	1,145	84	74	*1,060*	*1,071*	*2,107*	*3,622*
Vermont	3,009	4,983	246	76	2,763	4,908	1,530	729
Washington	475	2,376	53	85	422	2,291	6,291	7,786
Wisconsin	148,907	299,014	841	308	148,066	298,706	327,383	317,441
Wyoming	[3] 10	1,509	10	7	(4)	1,502	2,172	2,339
All other States	3,462	4,492	1,530	971	1,626	3,256	7,712	13,319

[1] Includes data for soft cheese, such as cottage, pot, and bakers.
[2] The figures are exclusive of the small amount of cheese made as an incidental product in establishments engaged primarily in the manufacture of products other than butter, cheese, or condensed milk.
[3] Exclude cheese made in factories which is included in "All other States."
[4] Included in "All other States."

Source of Tables 637 and 638: Bureau of the Census, Department of Commerce.

No. 639.—MILK AND BUTTER: CENSUS STATISTICS, BY STATES

NOTE.—United States butter production (pounds)—Total: 1879, 793,721,000; 1889, 1,205,508,000. In factories: 1909, 624,765,000; 1914, 769, 810, 000; 1921, 1,118,204,000; 1923, 1,303,499,000.; 1925, 1,444,288,000. On farms: 1919, 707,666,000

Division and State	Milk produced, total including estimates (thousands of gallons)			Milk sold by farmers (thousands of gallons)		Butter made (thousands of pounds)			
							1924		1929, in factories only [1]
	1909	1919	1924	1919	1924	1909, total [1]	Total [1,2]	On farms	
United States	7,466,408	7,805,144	9,198,304	2,529,331	2,666,612	1,619,415	2,087,091	642,803	1,613,061
New England	400,645	385,639	402,765	208,464	205,540	(3)	[4] 31,284	18,196	
Maine	69,784	77,677	70,949	28,191	18,289	15,405	9,581	9,241	(3)
New Hampshire	44,461	42,556	38,149	23,043	21,027	6,805	2,573	2,470	(3)
Vermont	122,919	122,096	127,957	55,319	40,357	35,393	13,821	3,402	5,136
Massachusetts	90,438	76,316	86,575	55,577	65,849	5,253	3,663	1,456	1,153
Rhode Island	12,178	12,099	13,504	9,314	11,392	(3)	132	132	(5)
Connecticut	59,829	54,894	65,631	36,920	48,627	5,449	[6] 1,494	1,494	(5)
Middle Atlantic	1,272,849	1,248,168	1,264,502	879,984	883,181	185,393	[4] 83,524	53,545	
New York	783,479	756,046	741,983	573,162	552,804	69,359	40,627	22,103	9,213
New Jersey	80,606	70,491	76,245	56,377	60,908	4,391	[6] 945	945	(5)
Pennsylvania	411,735	421,631	446,273	250,445	269,469	91,642	41,952	30,494	11,240
East North Central	1,980,109	2,246,680	2,614,917	948,491	990,994	424,138	531,172	87,892	431,545
Ohio	362,050	396,318	425,834	139,064	150,816	81,060	107,080	23,309	87,525
Indiana	216,688	238,794	270,963	45,167	66,062	54,894	68,512	14,172	56,141
Illinois	395,934	370,487	435,133	159,579	196,557	71,181	85,066	22,889	72,784
Michigan	352,858	382,823	424,236	130,864	144,911	85,917	91,879	20,350	60,177
Wisconsin	607,498	858,259	1,058,751	473,817	353,649	131,085	177,785	7,172	154,918
West North Central	1,731,472	1,718,410	2,275,079	129,303	167,103	444,724	815,700	124,119	839,384
Minnesota	409,191	475,507	663,638	43,152	50,829	123,552	283,975	16,825	203,201
Iowa	489,564	361,426	515,909	31,356	35,379	127,262	191,513	23,328	213,427
Missouri	220,959	228,908	273,956	17,901	30,297	52,367	87,873	25,937	85,325
North Dakota	100,559	138,607	199,037	3,047	3,038	20,098	47,180	14,773	38,546
South Dakota	117,215	124,425	172,968	2,698	5,145	23,125	40,026	10,926	40,756
Nebraska	198,306	168,083	197,601	10,182	13,876	49,960	98,678	15,037	105,721
Kansas	217,888	221,454	251,969	20,969	28,539	48,360	66,455	17,203	62,388
South Atlantic	517,376	517,728	567,849	81,264	120,956	(3)	[4] 115,315	108,097	
Delaware	10,962	11,356	13,037	6,876	8,552	2,190	[6] 812	812	(3)
Maryland	59,736	58,754	74,043	29,843	42,983	9,858	6,000	5,255	166
Dist. of Columbia	611	512	481	129	439	6	5	5	(5)
Virginia	104,391	110,942	127,447	17,009	24,241	26,810	28,281	24,232	4,595
West Virginia	75,694	73,690	76,621	6,779	10,425	(3)	16,744	16,055	466
North Carolina	96,999	95,748	108,152	7,060	11,222	26,080	26,795	25,360	2,065
South Carolina	50,274	52,955	49,982	2,871	3,214	12,330	12,857	12,556	324
Georgia	100,210	101,615	98,822	7,390	11,310	27,324	[6] 22,277	22,277	2,216
Florida	12,532	12,156	19,265	3,307	8,571	1,705	1,544	1,544	805
East South Central	468,882	458,942	499,012	32,803	47,541	(3)	140,638	107,259	49,770
Kentucky	140,983	146,561	165,921	12,469	17,495	38,681	42,980	28,595	20,619
Tennessee	129,456	130,286	148,759	9,831	15,591	39,828	44,770	32,461	20,541
Alabama	97,884	93,904	95,305	6,409	7,128	(3)	28,868	27,705	1,890
Mississippi	96,227	88,192	89,567	4,094	7,326	28,731	24,011	18,498	6,720
West South Central	521,898	459,371	588,777	36,808	64,558	(3)	140,589	100,151	53,367
Arkansas	97,932	87,624	98,769	4,332	5,758	30,268	24,906	23,962	2,938
Louisiana	48,284	32,973	37,870	5,334	10,935	(3)	4,319	4,319	757
Oklahoma	134,291	135,821	177,597	7,782	12,358	31,167	41,501	25,519	27,009
Texas	240,286	202,954	274,541	19,360	35,502	67,127	69,813	55,351	22,663
Mountain	174,404	260,412	383,431	47,821	54,858	(3)	86,762	21,709	81,136
Montana	26,497	51,251	73,185	5,102	6,175	4,128	20,158	5,416	14,094
Idaho	30,981	52,365	73,505	6,303	8,805	5,900	20,103	3,662	23,571
Wyoming	9,744	14,543	24,313	2,145	2,112	1,976	3,971	1,760	3,011
Colorado	51,670	79,493	96,649	16,087	17,703	12,208	24,245	5,245	21,594
New Mexico	10,959	12,738	19,027	1,026	3,987	(3)	2,041	1,707	518
Arizona	11,227	14,371	18,416	6,707	6,835	1,380	2,580	761	2,445
Utah	20,306	29,340	40,847	9,051	7,507	6,220	10,895	2,913	13,675
Nevada	6,543	6,312	11,483	801	1,734	1,444	2,754	244	2,278
Pacific	392,405	509,794	622,373	164,392	201,885	84,780	139,374	12,836	120,015
Washington	92,185	140,525	169,846	63,575	45,819	18,054	34,469	5,090	27,918
Oregon	71,953	92,845	112,218	22,878	25,598	14,141	26,804	3,901	23,946
California	229,460	276,424	340,309	77,938	130,468	52,585	78,101	3,844	68,151

[1] Figures given are exclusive of small amounts of butter made as an incidental product in establishments engaged primarily in the manufacture of products other than butter, cheese, or condensed milk.
[2] Includes butter made on farms in 1924 and in factories in 1925.
[3] Not shown separately, as to do so would disclose individual operations.
[4] Excludes small amount of butter made in factories of one or two States in this group.
[5] No butter reported.
[6] Excludes butter made in factories.

Source: Bureau of the Census, Department of Commerce.

No. 640.—DAIRY PRODUCTS: FACTORY PRODUCTION BY DETAILED CLASSES

[In thousands of pounds]

Manufactured product	1924	1925	1926	1927	1928	1929
Creamery butter	1,356,080	1,361,526	1,451,766	1,496,495	1,487,049	1,597,027
Whey butter (made from whey cream)	1,665	1,774	2,872	1,217	1,097	1,221
Renovated or process butter	2,813	2,519	2,505	4,286	2,716	2,531
American cheese (whole milk)	324,695	347,240	335,915	307,777	335,253	370,314
American cheese (part skim)	2,470	2,793	2,927	3,390	2,900	4,951
American cheese (full skim)	1,605	3,298	1,384	1,888	3,048	1,074
Swiss cheese (including block)	21,844	23,457	20,883	18,141	16,718	19,406
Brick and Munster cheese	32,052	34,101	31,048	31,546	28,960	31,763
Limburger cheese	9,734	9,163	9,639	8,842	7,437	8,568
Cream and Neufchatel cheese	14,945	17,575	18,192	25,962	30,589	34,405
All Italian varieties of cheese	1,973	1,562	2,425	3,377	3,587	5,948
All other varieties of cheese	4,622	4,325	5,003	5,763	9,027	7,504
Cottage, pot, and bakers' cheese	54,347	59,435	67,977	75,679	87,525	94,941
Condensed milk (sweetened):						
Skimmed	98,625	117,333	148,771	145,345	156,089	204,107
Unskimmed	234,710	231,565	210,681	201,023	177,737	197,611
Evaporated milk (unsweetened):						
Skimmed	94,686	92,948	128,743	134,185	158,243	153,624
Unskimmed	1,272,527	1,316,012	1,245,309	1,375,169	1,426,358	1,651,306
Condensed or evaporated buttermilk	66,837	77,079	86,687	99,180	102,452	107,288
Dried or powdered buttermilk	18,058	20,246	31,378	38,435	45,502	54,215
Powdered whole milk	7,887	8,931	10,768	11,464	9,605	13,202
Powdered skimmed milk	69,219	73,317	91,718	118,123	147,996	207,579
Powdered cream	1,018	339	331	338	673	294
Dried casein (skim-milk or buttermilk product)	20,759	16,600	16,053	18,033	22,151	30,537
Malted milk	15,889	18,050	20,673	22,116	21,128	22,850
Milk sugar (crude)	3,331	5,655	4,476	4,077	5,323	8,905
Ice cream of all kinds[1]	181,564	214,382	215,248	226,756	232,185	254,618

[1] Production of ice cream shown in thousands of gallons.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 641.—WHOLE MILK REQUIRED FOR MANAFACTURED PRODUCTS IN THE UNITED STATES

Manufactured products	Whole milk required per unit of product	1927			1928			1929		
		Quantity of product manufactured	Whole milk required	Per cent of milk manufactured	Quantity of product manufactured	Whole milk required	Per cent of milk manufactured	Quantity of product manufactured	Whole milk required	Per cent of milk manufactured
Total whole milk required	*Pounds*	*Million pounds*	*Million pounds* 57,678	100.00	*Million pounds*	*Million pounds* 57,886	100.00	*Million pounds*	*Million pounds* 61,495	*100.00*
Creamery butter	21	1,496	31,426	54.49	1,487	31,228	53.95	1,597	33,538	54.54
Farm butter	21	600	12,600	21.85	590	12,390	21.40	580	12,180	19.81
Cheese (all kinds)	10	407	4,067	7.05	438	4,375	7.56	486	4,839	7.87
Condensed and evaporated milk	2.5	1,856	4,639	8.04	1,918	4,796	8.29	2,207	5,517	8.97
Powdered milk	8	11	92	.16	10	77	.13	13	106	.17
Powdered cream	19	[1]	6	.01	1	13	.02	[1]	6	.01
Malted milk	2.2	22	49	.08	21	46	.08	23	50	.08
Milk chocolate			184	.32		175	.30		235	.38
Ice cream	13.75	[2] 336	4,615	8.00	[2] 348	4,786	8.27	[2] 365	5,025	8.17

[1] Less than 500,000 pounds.
[2] Millions of gallons.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 642.—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. 1929 figures for butter and cheese production are preliminary

Product and market	1921–1925, average	1925	1926	1927	1928	1929	1930
BUTTER							
Production, creamery	1,233,655	1,361,526	1,451,760	1,496,495	1,487,049	1,597,027	[1] 1,530,874
Receipts (5 markets) [2]	643,166	681,727	679,480	689,575	676,958	704,116	632,603
New York	238,240	244,127	252,742	261,322	250,593	265,760	268,070
Chicago	228,995	254,308	236,546	235,200	230,514	244,632	233,638
Philadelphia	68,086	72,064	79,345	81,727	84,495	87,386	83,702
Boston	81,413	82,476	83,243	84,617	87,324	81,183	72,455
San Francisco	26,431	28,752	27,604	26,709	24,032	25,155	24,738
Cold-storage holdings, Dec. 1 [3]	67,999	74,754	64,381	83,224	70,985	111,650	88,012
CHEESE							
Production, American	304,915	347,240	335,915	307,777	335,253	370,314	[1] 419,977
Receipts (5 markets) [2]	207,821	223,558	207,888	218,248	196,618	178,899	164,199
New York	48,127	46,163	45,363	46,937	48,272	50,911	52,165
Chicago	115,674	131,129	115,104	123,633	97,264	80,823	53,866
Philadelphia	18,920	19,095	19,454	20,396	21,039	19,973	21,167
Boston	14,336	15,314	15,437	14,588	17,362	14,899	16,882
San Francisco	10,763	11,855	12,530	12,694	12,676	12,293	15,119
Cold-storage holdings, Dec. 1: [3]							
American	50,330	66,495	63,831	53,447	74,325	71,065	71,132
All other	16,150	18,066	17,203	17,288	15,645	15,884	16,039

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
BUTTER												
Production creamery:												
1928	101,045	99,394	111,777	118,849	156,294	181,037	167,601	145,430	119,490	105,894	87,745	92,484
1929	103,519	99,903	114,404	133,684	174,341	192,569	186,317	152,192	123,582	118,116	97,186	101,854
1930 [1]	105,767	99,531	113,575	127,882	177,767	182,503	165,534	133,600	119,388	117,371	98,137	106,181
Receipts (5 markets):												
1928	50,095	47,797	54,300	52,158	63,582	81,318	75,901	64,531	52,481	48,907	42,796	43,092
1929	52,490	48,557	53,979	56,881	73,879	81,180	79,442	64,103	51,972	50,246	44,739	46,648
1930	50,875	47,966	55,180	59,127	74,504	82,334	72,662	52,334	47,744	45,528	43,118	51,291
CHEESE												
Production, American:												
1928	18,010	19,005	23,451	28,221	37,324	45,012	40,072	34,220	30,342	25,134	18,013	16,440
1929	19,925	19,522	24,059	30,181	42,483	51,702	48,007	37,511	30,824	25,961	19,655	20,184
1930 [1]	30,490	28,924	35,018	41,636	62,581	68,799	59,273	41,125	36,062	28,239	25,583	26,598
Receipts (5 markets):												
1928	14,409	13,715	14,654	15,139	16,253	19,216	21,741	18,728	18,222	18,665	14,179	11,602
1929	13,781	13,877	12,261	12,331	16,750	18,406	20,548	18,605	15,289	14,343	11,829	10,879
1930	12,526	12,466	12,904	13,026	15,473	17,895	17,435	14,953	14,510	12,225	10,783	10,003

[1] Preliminary. [2] Gross weight. [3] Net weight.

No. 643.—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, flats cheese. Annual prices are for the calendar year except for butterfat which are for the year beginning May of the year specified

Year (see headnote)	Butter		Butterfat farm	Cheese (New York)
	Farm	New York		
1913	26.7	32	(1)	15
1920	54.3	61	(1)	29
1921	37.0	43	34.0	21
1922	35.3	41	39.3	[2] 20
1923	40.4	47	42.4	[3] 25
1924	39.4	43	38.1	21
1925	40.7	45	42.6	24
1926	41.1	44	42.5	[4] 23
1927	42.3	47	43.0	[5] 25
1928	43.7	47	45.8	[3] 25
1929	43.8	45	41.8	24
1930	36.8	37	34.8	19

Month	Butter (New York)		Butterfat (farm)		Cheese (New York)	
	1925–1929, avg.	1930	1925–1929, avg.	1930	1925–1929, avg.	1930
January	46	37	46	37	[3] 25	18
February	47	36	44	35	24	18
March	48	37	45	35	23	18
April	45	39	44	37	22	18
May	43	35	43	36	22	19
June	43	33	41	32	24	18
July	42	35	41	32	24	18
August	43	39	41	35	25	20
September	47	40	43	38	25	21
October	48	40	45	37	[7] 26	21
November	49	36	46	35	[6] 26	20
December	49	32	47	31	[6] 25	19

[1] Not available. [2] 8-month average. [3] 11-month average. [4] 9-month average. [5] 7-month average. [6] 3-year average. [7] 4-year average.

Source of Tables 642 and 643: Bureau of Agricultural Economics, Department of Agriculture.

No. 644.—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, ¼ cent per pound

Year ended June 30—	Oleomargarine production		
	Total	Colored	Uncolored
1911	121,163	5,831	115,332
1912	128,601	6,236	122,365
1913	145,228	6,520	138,707
1914	144,021	6,384	137,637
1915	145,810	7,595	138,215
1916	152,510	6,749	145,761
1917	233,170	8,012	225,108
1918	326,529	6,595	319,934
1919	359,217	13,849	345,368
1920	391,280	15,624	375,650
1921	281,082	11,601	269,481
1922	190,950	6,604	184,346
1923	209,182	8,260	200,922
1924	239,699	11,548	228,151
1925	215,403	11,280	204,123
1926	248,047	13,181	234,866
1927	257,157	14,502	242,655
1928	294,699	15,351	279,348
1929	333,122	16,306	316,816
1930	349,124	17,103	332,021
1929 [1]			
Total	342,230	17,268	324,962
Combined animal and vegetable oil	120,598	11,096	109,502
Exclusively vegetable oil	221,632	6,172	215,460
1930 [1]			
Total	311,755	13,608	298,147
Combined animal and vegetable oil	95,876	8,859	87,017
Exclusively vegetable oil	215,879	4,749	211,130

District or material	Year ended June 30—			
	1927	1928	1929	1930
PRODUCTION BY STATES				
California	21,956	29,072	37,444	38,828
Colorado	713	1,026	1,102	1,619
Illinois	125,528	140,882	153,044	157,955
Indiana	3,721	3,482	3,516	4,369
Kansas	19,405	20,482	20,258	23,440
Maryland	5,860	7,234	9,022	8,820
Massachusetts	2,723	3,100	3,968	3,462
Michigan	666	825	4,564	6,374
Minnesota	3,138	1,849	3,510	2,769
Missouri	11,593	11,848	11,247	12,735
Nebraska	2,419	2,657	3,208	2,899
New Jersey	21,271	28,673	32,123	31,471
Ohio	19,341	25,459	31,262	31,523
Oregon	2,358	2,899	3,431	4,224
Rhode Island	935	828	777	1,074
Texas	2,862	3,025	3,897	4,845
Wisconsin	9,353	9,051	8,571	9,191
All other	3,314	2,305	2,177	3,531
MATERIAL CONSUMED				
Total	316,085	361,069	410,937	424,648
Oleo oil	48,741	45,477	47,185	45,322
Coconut oil	107,654	141,000	171,412	185,066
Cottonseed oil	23,372	24,801	28,173	30,214
Milk	73,700	83,115	94,752	97,753
Peanut oil	4,872	5,459	6,617	5,714
Salt	21,683	25,024	27,311	28,890
Oleostearine	5,145	5,532	5,834	6,269
Neutral lard	24,872	25,036	24,189	19,632
Oleo stock	2,552	1,738	1,294	1,189
Butter	2,070	2,484	2,611	2,616
Miscellaneous	1,424	1,403	1,559	1,983

[1] Calendar year.

Source: Commissioner of Internal Revenue, Treasury Department, and Bureau of Agricultural Economics, Department of Agriculture.

No. 645.—POULTRY ON FARMS: NUMBER AND VALUE

NOTE.—The farms reporting fowls constituted 87.8 per cent of all farms in 1910, 90.8 per cent in 1920, while farms reporting chickens formed 90.5 per cent of all farms in 1920 and 86.4 per cent in 1925. There were 337 fowls per 1,000 acres of land in farms in 1910 and 390 in 1920. The number of chickens in 1930 was 378,888,000. Other 1930 data are not yet available

Item	Number of fowls (thousands)					Value (thousands of dollars)		
	1890	1900	1910	1920	1925	1910	1920	1925
Poultry, total [1]	285,609	250,624	295,880	372,325	(2)	154,663	373,394	(2)
Chickens	258,871	233,566	280,341	359,537	409,291	140,193	349,509	379,011
Turkeys	10,754	6,595	3,689	3,627	(2)	6,606	12,905	(2)
Ducks	7,544	4,786	2,907	2,818	(2)	1,567	3,374	(2)
Geese	8,440	5,677	4,432	2,939	(2)	3,195	5,429	(2)
Guinea fowls	(3)	(3)	1,765	2,410	(2)	613	1,582	(2)
Pigeons	(2)	(2)	2,731	1,494	(2)	762	538	(2)
Ostriches	(2)	1	5	(4)	(2)	1,696	58	(2)

[1] The 1910 totals include small numbers of peafowls, pheasants, and India jungle fowls.
[2] Not reported.
[3] Included with chickens.
[4] Less than 500.

Source: Bureau of the Census, Department of Commerce.

No. 646.—CHICKENS ON FARMS, CHICKENS RAISED, AND EGGS PRODUCED

NOTE.—For additional figures for United States as a whole, see Table 637

Division and State	Chickens on hand (thousands)			Chickens raised (thousands) [1]			Eggs produced (thousands of dozens) [1]		
	1920 (Jan. 1)	1925 (Jan. 1)	1930 (Apr. 1)	1919	1924	1929	1919	1924	1929
United States	359,537	409,291	378,888	473,201	545,848	673,092	1,654,045	1,913,245	2,689,728
New England	5,804	8,138	6,882	8,378	13,439	16,502	37,632	56,540	63,103
Maine	1,403	1,900	1,451	1,908	2,838	3,238	9,977	13,613	13,737
New Hampshire	771	1,207	914	1,071	2,442	2,679	5,005	8,181	8,537
Vermont	800	941	749	1,016	1,339	1,378	5,167	6,372	6,680
Massachusetts	1,455	2,030	1,926	2,401	3,631	5,088	9,604	14,325	18,102
Rhode Island	254	361	305	434	519	608	1,537	2,275	2,469
Connecticut	1,120	1,699	1,537	1,546	2,670	3,511	6,341	11,775	13,578
Middle Atlantic	27,452	34,829	31,497	31,059	39,779	53,153	151,453	216,632	253,507
New York	10,415	13,409	11,954	11,873	14,941	19,518	62,175	87,167	97,927
New Jersey	2,534	4,114	4,097	3,523	5,492	7,905	13,280	27,417	35,956
Pennsylvania	14,503	17,306	15,446	15,664	19,346	25,640	75,998	102,048	119,624
East North Central	84,516	89,623	77,094	99,252	113,867	137,853	400,445	441,682	543,270
Ohio	20,233	20,927	18,000	22,458	26,937	32,574	102,377	112,893	135,990
Indiana	10,754	17,355	14,083	22,618	25,257	29,048	83,101	86,975	103,540
Illinois	25,121	25,738	22,082	29,894	32,204	38,125	105,758	113,021	130,830
Michigan	10,914	12,579	10,390	12,442	15,276	18,146	55,987	68,209	77,410
Wisconsin	11,495	13,023	13,139	11,840	14,194	19,960	53,222	60,584	89,500
West North Central	105,348	123,101	118,261	126,763	158,804	198,438	474,592	543,558	778,028
Minnesota	13,213	16,408	16,611	15,062	20,352	26,979	60,250	76,322	107,304
Iowa	27,747	30,275	30,666	31,076	38,185	48,216	120,697	133,736	188,336
Missouri	24,884	28,222	25,197	29,363	34,596	40,783	117,204	129,291	180,350
North Dakota	4,329	5,181	4,795	5,324	5,722	8,177	20,820	20,988	27,889
South Dakota	6,642	7,906	8,546	7,038	10,607	14,059	30,352	35,104	53,052
Nebraska	11,615	13,500	13,318	15,797	20,310	25,974	49,133	54,811	85,555
Kansas	16,919	21,609	19,128	22,503	29,091	33,650	76,137	93,267	135,542
South Atlantic	36,406	41,120	33,423	65,374	66,752	70,948	144,662	153,799	223,457
Delaware	949	1,365	1,551	1,205	1,582	3,414	3,908	6,381	11,201
Maryland	3,436	4,198	3,777	5,258	6,025	7,422	15,086	20,069	27,709
District of Columbia	10	16	13	14	10	21	43	69	102
Virginia	7,860	9,221	7,643	14,227	15,802	16,728	36,551	39,044	55,349
West Virginia	4,028	4,349	3,674	4,873	5,305	5,504	21,708	22,125	27,930
North Carolina	7,393	8,558	6,385	14,047	15,057	14,727	24,841	25,587	39,301
South Carolina	3,954	4,238	3,057	9,016	7,830	7,447	12,812	11,109	15,907
Georgia	7,222	7,043	5,373	14,568	12,284	12,264	23,182	19,832	30,534
Florida	1,555	2,130	1,950	2,146	2,766	3,421	6,531	9,577	14,424
East South Central	34,092	34,969	28,617	51,071	51,103	54,741	138,152	113,735	176,281
Kentucky	10,478	11,036	8,920	15,507	16,445	17,356	42,225	37,045	53,960
Tennessee	11,354	11,861	8,888	15,554	16,148	15,939	48,707	41,039	57,320
Alabama	5,918	6,284	5,428	10,180	9,527	10,734	23,437	19,467	34,565
Mississippi	6,342	5,788	5,381	9,830	8,982	10,712	23,783	16,185	30,436
West South Central	38,919	43,835	43,254	57,329	60,998	78,048	157,008	160,425	296,460
Arkansas	6,955	7,164	6,124	9,111	9,870	11,202	28,168	23,923	39,129
Louisiana	3,764	3,907	4,133	5,571	5,434	7,279	13,136	10,472	22,402
Oklahoma	11,137	13,023	11,471	16,817	19,670	23,202	45,440	51,477	80,514
Texas	18,063	19,741	21,526	25,830	26,025	36,275	70,264	74,552	154,355
Mountain	9,524	12,399	12,372	13,037	15,537	21,088	49,993	66,278	97,429
Montana	2,055	2,545	2,117	3,227	3,067	3,664	11,858	13,403	15,429
Idaho	1,655	2,029	1,939	2,250	2,540	3,371	8,605	11,708	16,399
Wyoming	621	809	736	894	1,121	1,258	3,106	4,337	5,777
Colorado	2,875	3,752	3,653	3,881	5,006	6,333	14,172	18,561	27,343
New Mexico	714	937	961	921	1,123	1,486	3,063	4,075	6,791
Arizona	495	636	576	569	756	997	2,525	3,741	5,081
Utah	955	1,367	2,096	1,107	1,644	3,540	5,709	9,017	18,463
Nevada	155	225	244	183	280	439	895	1,436	2,146
Pacific	16,474	21,377	23,833	20,939	25,507	42,321	100,106	160,595	259,193
Washington	3,548	5,363	6,452	4,860	7,059	11,063	21,357	42,030	71,429
Oregon	2,500	3,229	2,969	3,150	4,066	4,813	14,626	20,658	28,342
California	10,427	12,785	17,467	12,929	14,383	26,645	64,124	97,907	159,422

[1] Including estimates for incomplete reports.

Source: Bureau of the Census, Department of Commerce.

No. 647.—POULTRY: FARM PRICES AND RECEIPTS AT PRINCIPAL MARKETS

[Prices in cents per pound; receipts in thousands of pounds]

	1914–1920, average	1921–1925, average	1926–1930 average	1926	1927	1928	1929	1930
Chickens, average farm price	17.6	19.1	20.3	21.2	19.9	21.2	21.5	17.6
Turkeys, average farm price, Nov. 15	22.0	27.6	27.8	29.8	30.8	31.2	27.1	20.1
Dressed poultry, receipts:								
Boston		49,696	53,554	53,162	53,305	55,583	54,433	51,280
New York		155,266	194,666	192,895	188,117	194,376	197,057	200,885
Philadelphia		25,151	33,398	32,126	31,822	31,844	34,564	36,536
Chicago		77,895	76,414	77,632	69,735	67,180	93,368	80,153

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Chickens, average farm price:												
1929	21.6	22.1	22.7	23.8	24.4	24.6	23.7	22.7	22.4	21.5	20.3	19.1
1930	19.8	20.4	20.6	21.1	20.0	19.0	17.4	17.3	17.8	17.4	16.1	15.3
Receipts of poultry, 1929:												
Boston	4,586	3,231	2,315	2,855	2,718	3,369	3,153	3,628	4,309	5,048	8,826	10,395
New York	14,221	10,900	9,964	9,520	10,233	11,876	13,078	15,707	16,558	20,602	31,495	32,903
Philadelphia	2,548	1,851	1,680	1,471	1,557	1,663	2,134	2,319	2,302	2,542	6,002	8,595
Chicago	7,712	3,469	2,707	2,725	2,811	3,270	3,520	3,984	4,710	9,070	25,578	23,812
Receipts of poultry, 1930:												
Boston	4,270	3,992	2,815	2,544	3,193	3,514	3,401	2,952	3,154	3,875	8,270	9,309
New York	15,054	11,674	8,476	10,630	13,877	14,999	11,807	12,533	15,383	19,647	32,584	34,221
Philadelphia	3,041	2,501	2,207	1,991	2,388	2,117	1,794	1,772	2,166	3,046	5,607	7,906
Chicago	9,835	5,597	2,899	2,339	2,163	2,645	2,303	2,777	3,809	6,274	19,409	20,103

No. 648.—EGGS: PRICES, RECEIPTS AT PRINCIPAL MARKETS, AND STORAGE

[Prices in cents per dozen: receipts and storage in thousands of cases]

	1910–1914, average	1921–1925, average	1926–1930, average	1929	1930		1921–1925, average	1926–1930, average	1929	1930
Average farm price	22	31	28	29	23	Receipts:				
Wholesale prices:						Boston	1,880	1,763	1,718	1,573
Western firsts, Boston	25	37	34	37	29	New York	6,799	7,176	7,129	7,595
Fresh firsts, New York	25	37	33	37	28	Philadelphia	1,648	1,661	1,697	1,759
Western extra firsts, Philadelphia	26	40	37	41	33	Chicago	4,605	4,590	4,308	4,475
Fresh firsts, Chicago	22	34	32	35	27	San Francisco	801	756	766	765
Fresh extras, San Francisco	32	41	34	36	31	Total cold-storage holdings:				
Average export value	22	29	29	34	27	July 31	9,513	10,249	8,962	11,198
						Dec. 31	1,372	1,394	704	1,894

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Average farm price:												
1928	38	29	23	23	24	24	26	27	31	35	40	43
1929	33	32	28	23	24	26	27	30	34	38	44	46
1930	38	32	21	22	20	19	19	21	25	26	32	27
Wholesale price, fresh firsts, New York:												
1929	36	41	33	28	31	31	32	34	36	40	48	51
1930	42	35	26	27	23	24	22	25	25	26	31	29
Receipts, 1929:												
Boston	133	99	190	200	234	177	176	125	110	77	54	53
New York	394	371	821	1,061	999	837	668	526	444	380	293	335
Philadelphia	118	76	169	234	220	181	156	143	131	94	74	101
Chicago	206	222	554	924	799	554	342	301	210	135	62	89
San Francisco	67	63	82	86	80	65	67	55	49	49	49	54
Receipts, 1930:												
Boston	96	112	209	227	208	175	138	102	82	66	68	90
New York	461	511	938	1,165	1,076	785	645	451	496	373	322	382
Philadelphia	100	112	204	244	261	178	145	94	114	91	86	130
Chicago	202	308	641	927	747	516	381	231	211	131	69	111
San Francisco	59	67	71	79	73	74	69	65	50	55	47	56

Source of Tables 647 and 648: Bureau of Agricultural Economics, Department of Agriculture.

No. 649.—COLD-STORAGE HOLDINGS OF ANIMAL PRODUCTS AND FROZEN FISH

NOTE.—All figures are in thousands of pounds, except cases of 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.
Creamery butter:												
1926	52,785	39,381	26,313	17,392	17,527	30,561	86,897	131,152	138,151	125,342	100,871	64,381
1927	34,347	17,952	7,952	3,044	3,436	25,404	89,900	145,147	163,701	147,396	118,679	83,224
1928	46,289	28,273	14,404	5,716	5,109	15,952	69,750	120,437	136,175	128,071	105,811	70,985
1929	43,783	24,747	11,910	5,332	5,883	28,369	91,962	151,621	163,952	158,541	138,405	111,650
1930	81,935	60,230	46,530	30,556	22,957	50,378	106,522	145,061	143,089	131,489	109,646	88,012
American cheese:												
1926	58,457	50,339	42,587	38,041	35,597	39,346	54,069	73,681	81,297	77,646	72,491	63,881
1927	54,596	46,026	39,382	35,193	32,487	35,826	49,999	67,091	69,749	65,453	59,035	53,447
1928	47,765	41,703	36,710	31,887	30,207	36,716	53,648	73,088	83,906	81,833	82,318	74,325
1929	63,075	57,764	49,546	45,105	42,032	47,041	62,737	79,907	86,558	84,815	78,058	71,065
1930	63,478	53,672	47,818	41,922	39,324	49,172	70,186	88,749	87,221	85,076	78,919	71,132
All varieties of cheese:												
1926	76,049	67,531	58,175	51,285	47,450	52,167	68,771	90,053	98,473	95,385	89,785	81,084
1927	72,055	62,136	54,072	47,840	45,616	50,864	67,216	87,937	90,204	85,131	77,603	70,735
1928	64,035	55,562	48,784	43,303	41,791	48,990	68,613	89,708	101,498	98,329	97,421	89,970
1929	85,730	74,016	63,968	58,153	54,618	61,097	79,724	98,070	106,009	102,849	94,870	86,949
1930	80,623	69,223	61,891	55,343	53,025	63,127	90,421	108,899	107,219	103,691	96,303	87,171
Case eggs:												
1926	1,683	578	77	872	3,735	7,236	9,133	9,845	9,573	8,048	5,883	3,215
1927	1,096	253	92	1,868	5,501	8,962	10,565	10,746	9,650	7,960	5,485	2,956
1928	832	26	60	1,087	4,515	8,168	10,002	10,496	9,944	8,542	6,247	3,542
1929	1,415	248	11	559	3,952	6,705	8,510	8,962	8,547	7,195	4,930	2,631
1930	704	139	84	2,231	5,766	9,178	10,743	11,198	10,375	9,174	6,785	4,154
Frozen eggs:												
1926	33,905	29,256	24,167	21,849	25,739	34,815	45,688	51,810	52,634	51,062	44,960	38,620
1927	33,593	31,207	26,053	33,272	52,053	71,605	81,263	81,418	77,508	71,208	62,066	54,703
1928	47,020	38,575	31,362	34,411	51,532	67,941	77,744	81,670	89,196	82,255	73,327	64,201
1929	56,181	48,055	38,250	34,918	51,825	71,560	84,766	91,488	86,603	81,541	70,331	61,772
1930	53,644	44,080	35,192	29,751	76,061	106,904	115,134	116,272	113,138	106,631	98,359	89,571
Frozen poultry:												
1926	111,501	108,512	95,397	73,124	52,783	42,803	36,730	35,793	38,634	44,771	64,842	106,854
1927	144,497	145,076	129,510	104,697	77,282	61,525	50,004	42,203	39,711	43,201	52,315	85,030
1928	117,490	118,154	103,494	83,160	56,832	43,872	38,230	40,395	40,749	43,578	58,093	79,173
1929	109,684	102,380	89,088	68,728	52,901	41,643	42,001	49,896	49,010	51,976	66,873	115,876
1930	140,723	141,552	133,172	105,708	77,420	61,167	54,253	49,967	42,589	46,938	59,269	82,925
Beef:												
1926	84,996	80,538	77,690	70,781	59,078	52,579	48,688	46,048	41,697	46,250	61,193	85,977
1927	100,873	95,254	88,020	77,159	62,928	50,413	43,756	35,722	33,446	35,878	43,916	65,345
1928	76,947	71,651	63,749	57,256	46,194	37,212	32,238	32,442	31,065	37,223	58,036	79,033
1929	98,913	93,990	88,771	81,607	70,714	57,315	52,055	45,930	48,014	56,434	72,059	93,444
1930	103,883	99,020	95,598	83,743	80,620	71,556	66,801	64,591	59,755	60,023	63,862	73,302
Pork:												
1926	472,219	556,042	609,847	626,594	603,798	574,472	602,176	642,673	623,086	514,351	405,623	388,228
1927	472,757	589,071	671,674	738,446	770,212	787,850	844,275	841,271	766,418	608,767	467,119	419,822
1928	523,425	655,638	885,916	997,737	960,672	919,366	915,360	819,185	682,015	515,087	433,160	461,702
1929	670,039	838,280	944,742	921,961	823,558	870,788	841,937	814,354	719,400	600,498	491,402	489,629
1930	620,086	687,106	785,564	752,990	711,700	675,167	679,221	651,444	550,950	447,427	356,806	411,704
All meats:												
1926	616	606	746	753	714	677	706	748	725	619	522	531
1927	642	751	823	879	894	900	953	945	867	705	563	541
1928	666	796	1,025	1,133	1,079	1,023	1,013	917	772	604	548	607
1929	857	1,025	1,128	1,097	1,085	1,013	978	944	847	733	632	661
1930	820	880	977	933	881	835	839	811	699	592	497	506
Lard:												
1926	42,478	64,187	76,145	93,108	93,365	106,824	120,527	153,572	151,233	105,558	72,355	46,744
1927	49,992	69,576	77,103	92,069	99,611	111,976	147,318	179,136	167,018	118,174	72,121	46,154
1928	54,855	84,007	121,082	164,506	173,088	186,073	214,479	204,539	177,888	126,890	83,474	67,257
1929	85,217	140,526	173,864	179,428	184,748	183,490	199,699	203,010	180,085	153,690	99,845	68,517
1930	82,098	92,171	111,914	105,067	104,905	115,270	120,322	118,353	88,863	59,732	36,211	31,582
Frozen fish:[1]												
1926	48,181	37,378	24,894	16,154	21,540	31,345	45,606	57,627	64,657	70,310	75,034	69,854
1927	58,655	48,084	34,887	24,731	29,782	36,606	42,118	54,061	60,330	65,960	66,790	64,787
1928	53,921	44,877	34,528	26,473	26,513	40,946	53,140	66,170	71,352	73,410	77,677	78,090
1929	62,375	48,364	37,744	31,687	30,174	40,148	51,664	64,810	72,674	75,864	79,439	75,807
1930	62,417	49,012	35,581	25,357	34,139	47,632	64,877	78,993	85,358	88,603	91,872	85,323

[1] Holdings of frozen fish are for the 15th of each month.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 650.—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 fleece. 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 camel, *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	1902	316,341	176,293	446	3,212
1849	52,517	17,869	160	47	1903	287,450	173,594	384	3,267
1859	60,265	24,471	1,707	41	1904	291,783	186,573	184	2,165
1870	162,000	54,459	46	1,906	1905	295,488	246,821	72	4,278
1871–1880	186,275	67,789	158	4,099	1906	298,915	196,844	351	4,412
1881–1890	280,700	95,747	325	4,196	1907	298,295	188,306	86	3,109
1891–1895	309,409	156,736	1,596	3,726	1908	311,138	142,559	169	6,985
1896–1900	271,835	172,448	2,712	5,965	1909	328,111	312,131	46	1,084
1901–1905	298,713	181,649	237	3,250	1910	321,363	180,135	[2] 48	9,055
1906–1910	311,564	203,995	140	4,929	1911	318,548	155,923	[3]	3,511
1911–1915	298,937	240,993	[1] 2,857	3,522	1912	304,043	238,118	[3]	1,816
1916–1920	290,918	399,980	3,568	4,276	1913	296,175	151,814	[2] 77	3,860
1921–1925	277,455	334,158	699	12,779	1914	290,192	256,501	[2] 335	6,342
1926–1930	352,235	248,762	300	6,664	1915	285,726	402,611	[2] 8,158	2,081
1887	285,000	105,149	120	4,937	1916	288,490	442,650	3,919	2,128
1888	269,000	108,113	28	2,982	1917	281,892	416,137	1,827	1,272
1889	265,000	128,083	301	3,888	1918	298,870	447,420	407	452
1890	276,000	108,681	223	2,790	1919	298,258	438,782	2,840	5,134
1891	285,000	139,318	122	2,720	1920	287,079	254,905	8,845	12,393
1892	294,000	167,784	230	3,315	1921	283,629	316,605	1,027	1,552
1893	343,538	111,752	229	6,778	1922	263,713	366,538	453	4,225
1894	325,211	115,537	1,694	2,801	1923	268,196	388,345	535	23,557
1895	294,297	248,989	5,707	3,015	1924	279,375	262,655	309	27,476
1896	272,475	159,776	8,483	6,512	1925	292,362	336,646	273	7,087
1897	259,153	356,839	1,055	2,184	1926	310,576	299,451	292	14,082
1898	266,721	99,850	91	4,592	1927	332,014	264,507	323	10,710
1899	272,191	105,808	3,511	13,492	1928	355,615	240,360	485	4,435
1900	288,637	139,908	422	3,046	1929	365,061	277,215	239	2,380
1901	302,502	124,964	97	3,326	1930	397,907	162,276	162	1,715

[1] Average for fiscal years 1913 to 1915.
[2] Exports for fiscal years ended June 30 of the year shown; calendar year data not available.
[3] Not reported separately in 1911; no exports in 1912.

Source: 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. 651.—WOOL: Prices, Value of Imports, and Receipts at Boston

	1910–1913, average	1914–1920, average	1921–1925, average	1926–1930, average	1927	1928	1929	1930
Prices (cents per pound):								
Average United States farm price, unwashed	18	38	32	30	31	37	31	20
Ohio and Pennsylvania, fine clothing, unwashed, at Boston	23	46	44	35	37	38	34	24
Territory, fine staple scoured, at Boston	60	127	126	103	110	116	98	76
Value of United States imports (thous. of dollars):								
Clothing[1]	15,659	140,084	17,137	6,050	6,020	8,051	6,936	3,340
Combing[1]	3,994	5,901	53,317	36,231	38,265	31,729	31,901	13,343
Carpet	13,540	25,380	29,675	34,301	37,470	37,947	46,988	18,995
Receipts at Boston (thousands of pounds):								
Total	290,150	424,336	364,125	322,111	344,548	300,923	305,397	312,758
Domestic	206,047	184,380	162,099	210,240	218,189	210,552	206,946	246,245
Foreign	84,103	239,956	202,026	111,871	126,359	90,372	98,451	66,513

[1] Owing to changes in tariff laws in 1922 much wool which was formerly brought in as "clothing" now comes in under "combing" classification.

Sources: Prices and receipts, Bureau of Agricultural Economics, Department of Agriculture; imports, Bureau of Foreign and Domestic Commerce, Department of Commerce.

No. 652.—WOOL: Estimated Production and Weight Per Fleece

Note.—Only States with a production in 1930 of over 2,500,000 pounds of wool are shown separately. The divisions shown include the States comprising the following divisions: North Atlantic, the New England and Middle Atlantic; North Central, the East North Central and West North Central; South Central, the East South Central and West South Central; Far Western, the Mountain and Pacific

Division and State	Production in thousands of pounds						Average weight per fleece [1] (pounds) 1930
	1925	1926	1927	1928	1929	1930	
United States	245,562	260,976	281,914	303,715	310,561	336,007	7.9
North Atlantic	8,735	9,981	8,777	7,002	6,804	7,030	7.2
New York	2,808	3,081	2,956	2,966	2,765	2,815	7.2
Pennsylvania	2,805	2,805	2,730	2,948	3,017	3,192	7.6
North Central	55,410	58,215	63,645	65,523	69,647	74,596	7.8
Ohio	14,467	14,760	15,662	14,776	14,426	15,066	8.1
Indiana	3,562	3,715	4,088	4,307	4,500	4,810	7.2
Illinois	3,419	3,648	4,162	3,724	4,380	4,650	7.4
Michigan	7,416	7,920	8,272	8,250	8,530	8,502	7.8
Wisconsin	2,250	2,508	2,774	2,808	2,795	3,157	7.7
Minnesota	3,151	3,634	4,211	4,661	5,143	5,772	7.8
Kansas	1,656	1,679	1,986	2,442	2,690	3,270	7.4
Iowa	5,360	5,440	5,896	5,960	6,423	6,802	7.9
Missouri	5,208	5,250	5,523	5,962	6,859	6,728	6.9
North Dakota	2,263	2,772	3,469	3,984	4,649	5,330	8.2
South Dakota	4,446	4,714	5,160	6,009	6,352	7,428	8.3
Nebraska	2,212	2,175	2,442	2,370	2,850	3,081	7.8
South Atlantic	4,804	5,057	5,375	5,797	6,226	6,270	5.1
West Virginia	2,272	2,311	2,457	2,584	2,798	2,855	5.2
South Central	30,898	33,049	38,165	44,841	48,664	49,399	7.4
Kentucky	3,125	3,278	3,845	4,051	4,305	4,580	5.0
Texas	25,280	27,297	32,725	38,200	41,300	41,600	8.2
Far Western	147,715	157,674	166,952	180,452	178,220	198,708	8.2
Montana	20,640	23,320	24,166	26,626	28,733	33,440	8.8
Idaho	14,309	14,507	15,840	17,885	17,829	18,768	9.2
Wyoming	21,362	22,338	25,317	26,488	26,000	30,360	9.2
Colorado	6,862	7,740	8,118	9,956	9,979	10,800	7.5
New Mexico	11,084	12,060	12,000	13,583	14,600	16,167	6.9
Arizona	6,458	6,758	6,240	5,760	6,120	5,940	6.0
Utah	13,010	19,430	19,975	22,072	19,011	21,600	9.0
Nevada	7,560	8,780	8,015	8,580	7,423	7,745	7.8
Washington	4,560	4,194	4,753	5,270	5,040	5,510	9.5
Oregon	16,958	18,321	18,128	20,332	18,849	21,375	9.0
California	19,912	20,276	23,800	23,800	25,636	27,001	6.7
Pulled wool [2]	46,800	49,600	50,100	51,000	54,500	61,900	

[1] In States where sheep are shorn twice a year this figure covers wool per head of sheep shorn.
[2] Estimated from returns of plants pulling from 80 to 90 per cent of all wool.

No. 653.—WOOL CONSUMED IN MANUFACTURES: 1926 to 1930

Note.—All figures in thousands of pounds. These figures do not include the consumption of one large and several small concerns. The grease equivalent of the totals shown below is as follows: 1925, 525,285,243 pounds; 1926, 510,032,772; 1927, 551,528,052; 1928, 538,354,229; 1929, 585,558,000; 1930, 430,104,000

Class and grade	Total					1930		
	1926	1927	1928	1929	1930	Grease	Scoured	Pulled
Total	438,356	477,118	465,018	516,113	377,790	310,558	44,855	22,377
Domestic	200,662	257,104	271,215	283,622	233,759	182,612	33,782	17,365
Foreign	237,694	220,014	193,803	232,491	144,031	127,946	11,073	5,012
Combing:								
Domestic	139,142	186,815	200,152	219,706	186,989	173,844	5,126	8,019
Foreign	105,843	80,480	48,859	65,607	52,770	48,641	3,758	371
Clothing:								
Domestic	61,520	70,289	71,063	63,916	46,761	8,769	28,656	9,346
Foreign	12,823	10,616	9,117	10,782	6,398	708	5,188	502
Clothing and combing combined:								
Fine	102,754	120,153	118,099	142,278	135,212	119,527	9,928	5,757
One-half blood	51,341	56,269	61,535	64,285	54,726	42,943	6,960	4,823
Three-eighths blood	67,560	67,322	63,018	65,896	43,242	28,513	10,011	4,718
One-fourth blood	60,150	67,947	61,273	58,181	39,733	25,968	12,047	1,718
Low or Lincoln	28,523	36,509	25,266	29,371	20,015	15,011	3,782	1,222
Carpet	119,028	128,918	135,827	156,102	84,862	78,596	2,127	4,139

Sources: Table 652, Bureau of Agricultural Economics, Department of Agriculture; Table 653, Bureau of the Census, Department of Commerce.

No. 654.—ANIMAL FOOD MANUFACTURING INDUSTRIES: CENSUS STATISTICS OF MATERIALS AND PRODUCTS

Industry and product	Quantity (thousands of unit specified)				Value (thousands of dollars)		
	Unit	1925	1927	1929	1925	1927	1929
BUTTER, CHEESE, AND CONDENSED MILK							
Butter cheese and condensed milk industries, all products, total value					973,518	1,067,545	1,074,388
Butter, cheese, condensed milk, etc.					913,908	1,000,452	1,032,945
Other products					59,610	57,093	41,443
Butter, cheese, condensed milk, etc., all industries [1]					922,796	1,011,740	1,047,600
Butter	Pound	1,455,625	1,564,227	1,634,721	636,749	695,625	714,472
Cheese, total	do	545,822	518,198	588,166	111,701	110,162	112,729
Cheese other than cottage, pot, and bakers'	do	494,773	449,444	487,201	107,529	104,220	103,291
Cottage, pot, and bakers'	do	51,050	68,754	100,965	4,232	5,942	9,438
Condensed and evaporated milk and buttermilk—							
Condensed milk, sweetened	do	430,698	378,687	532,727	38,745	34,251	42,917
Evaporated milk, unsweetened	do	1,287,695	1,605,573	1,642,214	103,859	129,866	126,202
Condensed and evaporated buttermilk	do	95,450	113,039	135,787	2,699	3,733	4,197
Powdered milk, cream, etc.	do	111,632	183,336	288,755	11,967	19,737	24,490
Sugar of milk	do	6,126	5,406	7,102	890	644	686
Ice-cream mix	do	112,849	114,196	137,203	12,354	13,775	15,278
Dried casein	do	21,978	23,516	57,938	2,299	3,052	5,737
Other products		8,697	8,257	7,459	1,471	895	892
SLAUGHTERING AND MEAT PACKING, WHOLESALE							
Animals slaughtered:							
Cattle	Number	10,854	10,725	9,548			
Calves	do	5,776	5,477	5,209			
Sheep and lambs	do	13,616	14,389	15,589			
Hogs	do	48,073	47,492	53,702			
All products, total value					3,050,286	3,057,216	3,434,654
Fresh meat:							
Beef	Pound	5,064,508	5,069,619	4,575,492	661,103	762,614	859,803
Veal	do	575,963	549,685	511,103	87,189	98,489	107,197
Mutton and lamb	do	521,993	547,473	601,719	128,213	130,283	145,416
Pork	do	2,827,926	3,110,253	3,571,277	516,469	517,863	603,537
Edible organs and other fresh meats	do	540,291	568,501	585,070	50,966	54,983	64,889
Cured meat:							
Beef	do	84,197	102,738	71,593	17,911	22,905	21,749
Pork	do	3,295,937	3,134,172	3,528,181	751,804	602,726	668,097
Cooked hams [2]	do	(3)	135,525	152,189	(3)	49,120	57,972
Canned meats and canned sausage	do	118,570	144,198	169,134	24,334	27,824	42,519
Sausage (not canned), meat puddings, head cheese, scrapple, etc. [4]	do	903,753	918,936	928,573	178,075	180,790	201,623
Sausage casings [4]	do	91,525	119,949	116,362	18,668	22,336	21,848
Lard	do	1,672,334	1,794,636	2,041,211	279,625	234,864	248,008
Cattle hides	do	621,381	616,714	533,201	80,797	99,218	79,913
Calf skins	do	56,092	53,581	50,574	11,069	11,160	10,289
Sheep and lamb pelts	Number	10,832	8,901	10,458	22,553	15,964	18,378
All other skins	Pound	1,054	3,242	5,861	101	324	443
Wool [5]	do	32,235	30,439	35,907	23,429	18,478	19,674
All other products					197,982	207,275	262,499

[1] Includes besides production in the butter, cheese, and condensed milk industries, data for similar products produced in establishments classified in other industries.

[2] Cooked hams are produced to some extent in other industries, but complete data are not available.

[3] Included in part in "pork cured" and in part in "all other products."

[4] Production by slaughtering and meat-packing establishments only. Value of total production of sausage (not canned), meat puddings, etc., in all industries in 1929 was $290,479,000; of sausage casings, $32,616,000.

[5] Wool detached from skins in meat-packing establishments only. For value of products of establishments engaged primarily in wool pulling, see p. 821.

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 general note, p. 482). Any exceptions are noted. For weights of the units of measurement for the principal products see Appendix, p. 879]

No. 655.—INDEX NUMBERS OF THE MASS OF CROP PRODUCTION

NOTE.—Average production of 1910-1914 equals 100. Production of wheat, corn, oats, barley, rye, buckwheat, potatoes, hay, tobacco, and cotton for each crop each year is multiplied by a constant price, and the aggregate is divided by the average aggregate of base years

Period or year	Production index	Year	Production index	Year	Production index	Year	Production index
1890-1894	62	1898	85	1909	94	1920	117
1895-1899	78	1899	82	1910	97	1921	100
1900-1904	84	1900	81	1911	91	1922	110
1905-1909	94	1901	74	1912	110	1923	110
1910-1914	100	1902	91	1913	95	1924	111
1915-1919	108	1903	84	1914	107	1925	112
1920-1925	110	1904	92	1915	116	1926	114
1926-1930	114	1905	94	1916	100	1927	115
1895	71	1906	99	1917	108	1928	119
1896	77	1907	89	1918	107	1929	114
1897	75	1908	94	1919	108	1930	106

No. 656.—INDEX NUMBERS OF CROP YIELDS

NOTE.—Index numbers each year are relative to the average yield for the 10 preceding years; data for the several States are weighted according to average crop values

Year	United States	North Atlantic	North Central	South Atlantic	South Central	Western
1913	93.3	95.5	90.7	103.5	92.3	95.1
1914	102.3	109.3	99.4	105.1	103.1	102.0
1915	103.0	98.9	114.4	99.6	103.8	102.1
1916	95.1	108.9	92.6	102.9	88.0	97.7
1917	102.0	104.6	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	91.9	92.4	103.9
1926	104.6	105.1	91.9	108.4	121.5	103.2
1927	102.5	102.3	101.7	98.3	99.3	111.6
1928	103.5	102.1	106.1	97.2	99.1	109.7
1929	97.8	98.0	98.5	100.7	99.4	96.5
1930	91.1	98.5	88.7	95.8	82.0	104.9

[1] Not computed.

No. 657.—AVERAGE VALUE PER ACRE OF 10 LEADING CROPS COMBINED

NOTE.—Corn, wheat, oats, barley, rye, buckwheat, potatoes, hay, tobacco, and cotton. These comprise nearly 90 per cent of the area in all field crops, and their average value closely approximates the value per acre of the aggregate of all crops. The value is based on average farm price of Dec. 1

Period	Average crop value per acre	Year	Average crop value per acre	Year	Average crop value per acre	Year	Average crop value per acre
1871-1875	$14.05	1895	$8.12	1907	$14.74	1919	$35.74
1876-1880	11.89	1896	7.94	1908	15.32	1920	23.26
1881-1885	11.33	1897	9.07	1909	16.00	1921	14.45
1886-1890	9.07	1898	9.00	1910	15.53	1922	19.23
1891-1895	9.71	1899	9.13	1911	15.36	1923	21.52
1896-1900	9.09	1900	10.31	1912	16.09	1924	23.88
1901-1905	12.53	1901	11.43	1913	16.49	1925	21.76
1906-1910	15.01	1902	12.07	1914	16.44	1926	19.07
1911-1915	16.31	1903	12.62	1915	17.18	1927	20.92
1916-1920	29.72	1904	13.26	1916	22.58	1928	20.34
1921-1925	20.17	1905	13.28	1917	33.27	1929	20.30
1926-1930	18.97	1906	13.46	1918	33.73	1930	14.22

Source of Tables 655, 656, and 657: Bureau of Agricultural Economics, Department of Agriculture.

No. 658.—PRODUCTION OF PRINCIPAL 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 [1]	Sugar		Cotton [2]		Wool
				Beet	Cane	Running bales [3]	5 0-pound bales [4]	
	1,000 bushels	*1,000 bushels*	*1,000 pounds*	*1,000 pounds*	*1,000 pounds*	*Thousands*	*Thousands*	*1,000 pounds*
1800			[5] 67, 234			154	73	
1810			[5] 78, 805			286	178	
1820			53, 292			576	335	
1830			81, 352			1, 026	732	
1840	[6] 377, 532	[6] 84, 823	84, 253		[6] 120, 851	1, 635	1, 348	[6] 35, 802
1850	[6] 592, 071	[6] 100, 486	102, 776		[6] 247, 577	2, 454	2, 136	[6] 52, 517
1860	[6] 838, 793	[6] 173, 105	106, 279		274, 725	3, 849	3, 841	[6] 60, 265
1865			10, 246	[7] 896	20, 680	2, 269	2, 094	142, 000
1870	1, 094, 255	235, 885	54, 889		178, 304	4, 352	4, 025	162, 000
1875	1, 321, 069	292, 136	88, 861	[8] 224	172, 430	4, 032	4, 303	181, 000
1880	1, 717, 435	498, 550	111, 869	[7] 1, 120	255, 362	6, 006	6, 357	232, 500
1881	1, 194, 916	383, 280	102, 605		171, 076	5, 456	5, 136	240, 000
1882	1, 617, 025	504, 185	99, 985		318, 746	6, 950	6, 533	272, 000
1883	1, 551, 067	421, 086	110, 700	1, 198	302, 944	5, 713	5, 522	290, 000
1884	1, 795, 528	512, 765	109, 562	2, 134	225, 962	6, 682	6, 477	300, 000
1885	1, 936, 176	357, 112	150, 196	1, 344	302, 754	6, 576	6, 369	308, 000
1886	1, 665, 441	457, 218	155, 670	1, 792	191, 282	6, 505	6, 315	302, 000
1887	1, 456, 161	456, 329	113, 631	572	375, 904	7, 047	6, 885	285, 000
1888	1, 987, 790	415, 868	124, 733	4, 168	344, 756	6, 938	6, 924	269, 000
1889	1, 998, 648	434, 383	131, 722	4, 934	301, 284	7, 473	7, 473	265, 000
1890	1, 460, 406	378, 097	136, 800	7, 748	497, 170	8, 653	8, 562	276, 000
1891	2, 055, 823	584, 504	155, 666	12, 004	370, 680	9, 035	8, 941	285, 000
1892	1, 713, 688	527, 987	237, 547	27, 084	498, 456	6, 700	6, 658	294, 000
1893	1, 707, 572	427, 553	122, 805	45, 192	610, 326	7, 493	7, 433	348, 538
1894	1, 339, 680	516, 485	109, 821	45, 006	729, 394	9, 901	10, 026	325, 211
1895	2, 210, 952	569, 456	168, 665	65, 452	543, 636	7, 161	7, 147	294, 297
1896	2, 503, 484	544, 193	96, 886	84, 080	644, 176	8, 533	8, 516	272, 475
1897	2, 144, 553	610, 254	116, 302	90, 492	706, 252	10, 898	10, 985	259, 153
1898	2, 261, 119	772, 163	136, 991	72, 736	568, 788	11, 189	11, 435	266, 721
1899	2, 454, 628	636, 051	219, 278	163, 458	322, 548	9, 393	9, 345	272, 191
1900	2, 505, 148	602, 768	233, 139	172, 164	623, 772	10, 102	10, 123	288, 637
1901	1, 613, 528	788, 636	388, 035	369, 212	728, 650	9, 583	9, 510	302, 502
1902	2, 619, 499	724, 808	319, 293	436, 812	745, 806	10, 588	10, 631	316, 341
1903	2, 346, 897	663, 923	560, 750	481, 208	556, 140	9, 820	9, 851	287, 450
1904	2, 526, 662	596, 911	586, 005	484, 226	829, 990	13, 451	13, 436	291, 783
1905	2, 748, 949	726, 819	377, 975	625, 842	781, 204	10, 495	10, 575	295, 488
1906	2, 897, 662	756, 775	495, 976	967, 224	544, 320	12, 983	13, 274	298, 915
1907	2, 512, 665	637, 981	520, 504	927, 256	788, 480	11, 058	11, 107	298, 295
1908	2, 544, 957	644, 656	608, 060	851, 768	828, 800	13, 086	13, 242	311, 138
1909	2, 572, 336	700, 434	572, 421	1, 024, 938	663, 452	10, 073	10, 005	328, 111
1910	2, 886, 260	635, 121	680, 839	1, 020, 344	710, 080	11, 668	11, 699	321, 363
1911	2, 531, 488	621, 338	637, 061	1, 199, 000	721, 748	15, 553	15, 693	318, 548
1912	3, 124, 746	730, 267	695, 959	1, 385, 112	325, 147	13, 489	13, 703	304, 043
1913	2, 446, 988	763, 380	715, 117	1, 466, 802	601, 075	13, 933	14, 156	296, 175
1914	2, 672, 804	891, 017	656, 922	1, 444, 108	493, 240	15, 906	16, 135	290, 192
1915	2, 994, 793	1, 025, 801	804, 090	1, 748, 440	277, 240	11, 068	11, 192	285, 726
1916	2, 566, 927	636, 318	1, 135, 037	1, 641, 314	621, 799	11, 364	11, 450	288, 490
1917	3, 065, 233	636, 655	964, 980	1, 530, 414	491, 680	11, 248	11, 302	281, 892
1918	2, 502, 665	921, 438	1, 072, 397	1, 521, 900	568, 800	11, 906	12, 041	298, 870
1919	2, 811, 302	967, 979	1, 166, 259	1, 452, 902	244, 250	11, 326	11, 421	298, 258
1920	3, 208, 584	833, 027	1, 446, 289	2, 178, 000	352, 228	13, 271	13, 440	287, 079
1921	3, 068, 569	814, 905	1, 044, 778	2, 041, 000	655, 399	7, 978	7, 954	283, 629
1922	2, 906, 020	867, 598	1, 150, 139	1, 350, 000	691, 470	9, 729	9, 755	263, 713
1923	3, 053, 557	797, 394	936, 583	1, 762, 000	329, 646	10, 171	10, 140	295, 196
1924	2, 309, 414	864, 428	895, 000	2, 180, 000	[9] 176, 965	13, 639	13, 628	279, 375
1925	2, 916, 106	676, 765	924, 000	1, 826, 000	[9] 278, 763	16, 123	16, 104	292, 362
1926	2, 691, 531	831, 381	1, 180, 000	1, 794, 000	[9] 94, 332	17, 755	17, 977	310, 576
1927	2, 763, 093	878, 374	1, 243, 000	2, 186, 000	[9] 141, 587	12, 783	12, 955	332, 014
1928	2, 813, 901	914, 876	1, 207, 000	2, 122, 000	[9] 264, 107	14, 297	14, 478	365, 615
1929	2, 614, 132	809, 176	1, 124, 000	2, 036, 000	[9] 399, 217	14, 548	14, 828	365, 061
1930 (prel.)	2, 081, 048	850, 965	1, 149, 000	2, 416, 000	[9] 367, 387	13, 756	13, 932	397, 907

[1] In terms of cleaned. Figures for 1800 to 1903 represents commercial movement, as given by Dan Talmage's Sons Co.
[2] Figures for the years 1810 to 1898 include linters excluded in subsequent years.
[3] Counting round as half bales.
[4] Equivalent 500-pound bales, gross weight.
[5] Exports.
[6] Census figures for the previous year.
[7] Mean annual production not exceeding quantity stated.
[8] Production uncertain; not exceeding quantity stated.
[9] Louisiana only.

Sources: Cotton, 1899 to date, Bureau of the Census, Department of Commerce; other figures, Bureau of Agricultural Economics, Department of Agriculture, except as noted.

No. 659.—CROP VALUES: COMPARATIVE STATEMENT SHOWING CHANGE BETWEEN 1919 AND 1924 DUE TO PRODUCTION, AND DECREASE BETWEEN 1919 AND 1924 RESULTING FROM LOWER PRICES: CENSUS STATISTICS

NOTE.—All amounts in thousands of dollars. Crops not reported by quantity are omitted

Crop	Value of crops [1]			Increase or decrease in crop values, 1919 to 1924 [2]					
	As reported, 1919	Computed for 1924 on basis of 1919 prices	As reported, 1924	Gross change [3]		Change due to production [4]		Decrease due to lower prices [5]	
				Amount	Per cent	Amount	Per cent	Amount	Per cent
All crops, including hay and forage	12,937,981	----------	7,463,030	−5,474,952	−42	----------	----------	----------	----------
All crops, excluding hay and forage	10,631,956	10,241,624	6,252,419	−4,379,537	−41	−390,332	−4	3,989,205	39
Cereals	6,921,227	6,009,672	3,804,372	−3,116,856	−45	−911,556	−13	2,205,300	37
Corn harvested for grain	3,507,797	2,727,303	1,868,569	−1,639,228	−47	−780,494	−22	858,723	31
Wheat	2,074,079	1,757,011	1,037,627	−1,036,452	−50	−317,068	−15	719,384	41
Oats threshed for grain	855,255	1,057,417	610,498	−244,758	−29	+202,161	+24	446,919	42
Barley	160,427	209,222	122,082	−38,346	−24	+48,795	+30	87,140	42
Rye	116,538	85,379	57,886	−58,652	−50	−31,159	−27	27,493	32
Buckwheat	19,715	18,648	12,852	−6,863	−35	−1,067	−5	5,797	31
Sorghums harvested for grain	90,221	73,468	52,321	−37,900	−42	−16,753	−19	21,147	29
Rice (rough)	97,194	81,224	42,537	−54,658	−56	−15,970	−16	38,687	48
Peanuts	62,752	61,492	35,308	−27,444	−44	−1,259	−2	26,185	43
Flaxseed	29,361	124,650	66,135	+36,774	+125	+95,289	+325	58,515	47
Hay and forage, excluding corn cut for forage	2,306,026	----------	1,210,611	−1,095,415	−48	----------	----------	----------	----------
Sugar beets grown for sugar	66,052	77,027	55,754	−10,298	−16	+10,975	+17	21,272	28
Miscellaneous crops	3,215,420	3,608,144	2,057,971	−1,157,449	−36	+392,723	+12	1,550,172	43
Potatoes (Irish or white)	639,441	776,023	223,925	−415,515	−65	+136,583	+21	552,098	71
Sweetpotatoes and yams	124,844	59,861	53,812	−71,033	−57	−64,983	−52	6,049	10
Tobacco	443,705	357,812	211,733	−231,972	−52	−85,893	−19	146,080	41
Cotton	2,007,430	2,414,447	1,568,501	−438,929	−22	+407,017	+20	845,946	35
Apples	241,574	270,596	174,821	−66,753	−28	+29,022	+12	95,775	35
Peaches	95,570	90,044	58,058	−37,512	−39	−5,526	−6	31,985	36

[1] Value of crops with production reported in 1924, exclusive of sugar cane.
[2] A minus sign (−) denotes decrease and a plus sign (+) an increase.
[3] Change in value as actually reported, due to change in production and to lower prices.
[4] Increase or decrease in value on basis of 1919 prices for both 1919 and 1924 crops. The percentages in this section represent the net quantitative increase or decrease in production.
[5] Decrease of actual 1924 values over values computed for 1924 on basis of 1919 prices.

No. 660.—PERCENTAGE OF IMPROVED LAND AND OF TOTAL CROP ACREAGE OCCUPIED BY EACH PRINCIPAL CROP OR CROP GROUP

Crop	Per cent of improved land occupied			Per cent of all reported crop acreage			
	1899	1909	1919	1899	1909	1919	1924
All crops with acreage reports	63.3	65.0	69.3	100.0	100.0	100.0	100.0
All cereals	44.6	40.0	43.5	65.3	61.5	62.8	55.0
Corn	22.9	20.6	17.4	33.5	31.6	25.2	24.3
Wheat	12.7	9.3	14.5	18.6	14.2	21.0	15.0
Oats	7.1	7.3	7.6	10.4	11.3	10.9	11.1
All other	1.9	2.8	4.0	2.8	4.4	5.7	4.6
Beans, peas, peanuts, flaxseed, other seeds	.9	1.1	.9	1.4	1.7	1.2	2.3
Hay and forage	14.9	15.1	16.2	21.8	23.3	23.4	26.3
Tobacco	.3	.3	.4	.4	.4	.5	.5
Cotton	5.9	6.7	6.7	8.6	10.3	9.7	11.6
Sugar crops	.2	.2	.3	.3	.4	.4	.4
Other minor crops	.1	.1	.1	.2	.1	.1	2.5
Vegetables [1]	1.4	1.5	1.1	2.0	2.3	1.6	1.5
Potatoes (Irish or white)	.7	.8	.6	1.0	1.2	.9	.9
Small fruits	.1	.1	(2)	.1	.1	.1	.1

[1] Including potatoes.
[2] Less than one-tenth of 1 per cent.

Source of Tables 659 and 660: Bureau of the Census, Department of Commerce.

No. 661.—ACREAGE, PRODUCTION, AND VALUE OF ALL CROPS IN THE UNITED STATES: CENSUS STATISTICS, 1899 TO 1924

NOTE.—Tons are of 2,000 pounds; bales of cotton, of 500 pounds. For weights of the bushel for principal products, see Appendix, p. 879. The approximate weights of units of measurement for other products are as follows: Number of pounds to the bushel—emmer and spelt, 40; grain sorghums, 56; sweet potatoes, 54; apples, 45; peaches, 48; pears, 50; cherries, 56; apricots, 48. Number of pounds to a box (net)—grapefruit, 70; lemons, 74; oranges, California, 70; Florida, 83

Crop	Acreage (thousands)				Production in thousands of units indicated					Value in thousands of dollars		
	1899	1909	1919	1924	Unit	1899	1909	1919	1924	1909	1919	1924[1]
All crops										5,231,851	14,755,298	7,472,535
With acreage reports	283,149	311,195	[2]348,549	[3]338,520						5,018,074	13,638,130	7,239,656
With no acreage reports										213,776	1,117,168	232,879
Cereals	184,882	191,396	219,031	186,338	Bushel	4,438,857	4,512,564	4,681,216	4,244,398	2,665,540	6,941,533	3,804,372
Corn harvested for grain	94,914	98,383	87,772	82,329	do	2,666,324	2,552,190	2,345,333	1,823,880	1,438,554	3,507,797	1,868,569
Wheat	52,589	44,263	73,099	50,862	do	658,534	683,379	945,403	800,877	657,657	2,074,079	1,037,627
Oats threshed for grain	29,540	35,159	37,991	37,650	do	943,389	1,007,143	1,055,183	1,304,599	414,697	855,255	610,498
Barley	4,470	7,699	6,473	6,767	do	119,635	173,344	122,025	159,139	92,459	166,427	122,082
Rye	2,054	2,196	7,679	3,744	do	25,569	29,520	75,992	55,674	20,422	116,538	57,886
Buckwheat	807	878	743	717	do	11,234	14,849	12,690	12,004	9,331	19,715	12,852
Emmer and spelt		574	167	(4)	do		12,703	2,608	(4)	5,584	3,700	(4)
Sorghums harvested for grain	267	1,635	3,619	3,526	do	5,169	17,597	72,086	58,700	10,817	90,221	52,321
Rice (rough)	342	610	911	744	do	9,003	21,839	35,331	29,526	16,020	97,194	42,537
Mixed crops			577	(4)	do			14,065	(4)		16,605	(4)
Other grains and seeds with acreage reports	4,075	5,157	4,852	(5)		(4)	(4)	(4)	(4)	80,959	184,056	(4)
Dry edible beans	454	803	1,162	1,637	Bushel	5,064	11,251	14,079	(4)	21,771	61,795	(4)
Soy beans		2	113	(4)	do		17	1,085	(4)	21	4,450	(4)
Other beans	26	13	[6]2	[6]1,476	do	143	163	50	(4)	220	126	(4)
Dry peas	968	1,305	866	(4)	do	9,440	7,129	5,743	(4)	10,964	20,791	(4)
Peanuts	517	870	1,125	1,105	do	11,964	19,416	27,450	26,899	18,272	62,752	35,308
Flaxseed	2,111	2,083	1,261	3,435	do	19,979	19,513	6,653	28,249	28,971	29,361	66,135
Miscellaneous seeds		81	124	(4)		(4)	(4)	(4)	(4)	740	4,781	(4)
Seeds with no acreage reports					Bushel	4,865	6,671	7,852	(4)	16,549	88,854	(4)
Hay and forage, including corn cut for forage			96,121	[7]88,987	Ton			146,343	(4)		2,523,050	(4)
Hay and forage, excluding corn cut for forage	61,691	72,402	81,618	[7]82,314	do	79,252	97,755	128,549	[7]116,792	826,401	2,316,116	[7]1,210,611
Hay alone	58,584	68,227	72,780	74,096	do	71,113	87,216	99,356	[8]88,384	776,068	1,953,149	[9]1,076,254
Vegetables [10]	5,638	7,073	5,530	5,012		(4)	(4)	(4)	(4)	418,110	1,302,200	(4)
Potatoes (Irish or white)	2,939	3,669	3,252	2,911	Bushel	273,318	389,195	290,428	352,462	166,424	639,441	223,925
Sweet potatoes and yams	537	641	803	467	do	42,517	59,232	78,092	37,444	35,420	124,844	53,812
Other vegetables [11]	2,162	2,763	1,475	1,635		(4)	(4)	(4)	(4)	216,257	537,915	(4)
Sugar crops	790	1,164	1,491	(4)	Ton	6,906	11,519	11,182	(4)	59,253	162,439	(4)
Sugar cane	387	477	373	326	do	4,202	6,240	3,545	[12]1,664	26,416	59,499	[12]9,505
Sorghum grown for sirup	293	326	482	184	do	1,910	1,376	1,644	(4)	7,963	24,506	(4)
Sugar beets grown for sugar	110	360	636	743	do	793	3,902	5,993	6,989	19,695	66,052	55,754
Maple sugar and sirup	(4)	(4)	(4)	(4)		(4)	(4)	(4)	(4)	5,178	12,381	(4)

Miscellaneous crops		33,730	35,977	(4)						943,015	2,820,168	(4)
Tobacco	1,101	1,295	1,861	1,538	Pound	868,113	1,055,765	1,371,504	1,106,340	104,303	443,705	211,733
Cotton, including cottonseed	24,275	32,044	33,740	39,204						824,696	2,356,169	(4)
Lint cotton					Bale	9,535	10,649	11,376	13,683	703,619	2,007,430	1,568,501
Cottonseed (estimated)					Ton	4,767	5,325	5,328	6,070	121,077	347,739	(4)
Broom corn	179	326	338	(4)	Pound	90,947	78,960	113,031	(4)	5,134	7,945	(4)
Hops	56	45	16	(4)	do	49,210	40,719	19,761	(4)	7,845	10,364	(4)
Sundry minor crops	52	20	22	(4)					(4)	1,037	2,984	(4)
Small fruits	310	272	249	(4)	Quart	483,219	426,566	324,989	(4)	29,974	61,732	(4)
Strawberries	151	143	119	193	do	257,427	255,702	176,932	(4)	17,914	36,004	(4)
Raspberries and loganberries	61	49	54	(4)	do	76,628	60,918	61,334	(4)	5,132	13,386	(4)
Blackberries and dewberries	50	49	46	(4)	do	62,190	55,344	39,945	(4)	3,910	7,118	(4)
Cranberries	20	18	17	(4)	do	31,601	38,243	35,260	(4)	1,756	3,198	(4)
Currants	13	8	7	(4)	do	18,593	10,449	7,615	(4)	790	1,422	(4)
Other berries	14	5	5	(4)	do	16,780	5,910	3,904	(4)	472	604	(4)
Orchard fruits					Bushel	212,386	213,974	230,632	(4)	140,807	431,098	(4)
Apples					do	175,398	145,412	136,561	152,967	83,231	241,574	174,821
Peaches					do	15,433	35,470	50,686	47,755	28,781	95,570	58,058
Pears					do	6,625	8,841	14,204	(4)	7,911	26,440	(4)
Plums and prunes					do	8,764	15,480	19,084	(4)	10,299	40,984	(4)
Cherries					do	2,873	4,126	3,946	(4)	7,231	14,166	(4)
Apricots					do	2,642	4,150	6,130	(4)	2,884	12,223	(4)
All other					do	630	494	71	(4)	529	141	(4)
Grapes					Pound	1,300,984	2,265,065	2,516,840	(4)	22,028	95,586	(4)
Subtropical fruits										24,707	114,868	(4)
Oranges					Box	6,168	19,487	27,758	(4)	17,566	83,399	(4)
Lemons					do	877	2,770	6,585	(4)	2,994	19,102	(4)
Grapefruit (pomeloes)					do	31	1,189	3,656	(4)	2,061	7,177	(4)
Figs					Pound	12,995	35,060	26,877	(4)	804	2,812	(4)
All other										1,282	2,379	(4)
Nuts										4,428	29,714	(4)
Pecans					Pound	3,207	9,891	31,809	(4)	972	7,792	(4)
Walnuts (Persian or English)					do	10,668	22,027	59,840	(4)	2,297	17,916	(4)
Almonds					do	7,143	6,794	15,853	(4)	712	3,963	(4)
Coconuts					Number		17	613	(4)	1	43	(4)
All other					Pound	19,011	23,617		(4)	466	(4)	(4)

[1] Value of crops with production reported in 1924.
[2] Excluding 14,502,932 acres reported for corn cut for forage, which is practically all duplicated in the acreage shown for corn harvested as grain.
[3] Includes 3,169,149 acres of oats unthreshed and 5,172,326 acres of corn hogged off, not reported separately prior to 1924; excludes a few crops for which acreage is not available.
[4] Not available.
[5] Excludes velvet beans, the acreage of which was largely duplicated in the acreage shown for "Hay and forage."
[6] Includes "velvet beans" only.
[7] Exclusive of root crops for forage.
[8] Included in the hay production is an undetermined tonnage of sorghum cut for hay, the acreage being shown separately.
[9] Includes the value of an undetermined tonnage of sorghum cut for hay, no corresponding value being shown in previous years.
[10] See footnote 11.
[11] Including farm gardens in 1899 and 1909, in 1919 vegetables raised for sale only, and in 1924 only 7 vegetables, cabbages, cantaloupes, lettuce, onions, sweet corn, tomatoes, and watermelons, grown for sale. The value of the farm gardens in 1919 (included in the total for crops with no acreage reports) was $344,668,000.
[12] Figures for Louisiana only.

Source: Bureau of the Census, Department of Commerce.

No. 662.—ESTIMATED ACREAGE OF 51 CROPS AND VALUE OF 75 CROPS: BY STATES

NOTE.—Values are based on December 1 farm prices or seasonal prices to December

[Acreage in thousands, value in thousands of dollars]

State and division	Acreage of 51 crops				Value of 75 crops			
	1924–1928, average	1928	1929	1930	1924–1928, average	1928	1929	1930
United States	357,173	361,891	364,520	366,507	5,721,155	5,590,882	5,675,270	6,274,427
New England	4,379	4,338	3,945	3,876	179,105	147,320	195,436	150,788
Maine	1,605	1,602	1,420	1,411	63,791	41,074	85,602	50,881
New Hampshire	521	512	439	430	15,427	13,184	13,154	12,118
Vermont	1,139	1,123	1,095	1,084	33,567	29,353	29,855	28,127
Massachusetts	574	566	514	489	32,730	31,710	33,201	28,209
Rhode Island	61	59	53	52	2,938	2,671	2,717	2,392
Connecticut	479	476	424	410	30,652	29,828	30,907	29,061
Middle Atlantic	15,843	15,403	15,211	15,123	542,362	460,646	497,298	481,530
New York	7,830	7,551	7,469	7,331	249,703	210,607	227,047	212,803
New Jersey	828	818	750	746	61,780	53,305	56,027	54,303
Pennsylvania	7,185	7,034	6,992	7,046	230,899	196,734	214,224	194,424
East North Central	59,850	58,933	58,939	59,273	1,409,039	1,364,723	1,366,391	1,054,483
Ohio	10,765	10,492	10,481	10,248	270,598	246,660	258,588	183,504
Indiana	10,776	10,247	10,460	10,379	225,072	213,677	219,313	163,086
Illinois	20,184	20,239	20,246	20,697	432,884	447,152	431,990	309,343
Michigan	8,457	8,334	8,184	8,259	220,903	208,666	202,391	173,081
Wisconsin	9,668	9,621	9,568	9,690	259,582	248,568	254,109	225,469
West North Central	131,761	133,587	135,159	136,642	2,161,835	2,145,000	2,097,903	1,461,318
Minnesota	17,911	17,583	17,822	17,770	316,926	284,828	320,551	233,263
Iowa	21,836	21,979	21,839	21,908	464,466	497,039	501,807	367,171
Missouri	14,219	14,080	13,624	13,799	279,201	289,321	253,176	164,104
North Dakota	20,270	20,859	20,878	20,509	253,353	236,963	186,937	120,007
South Dakota	15,545	15,772	17,077	17,562	182,089	160,171	186,418	115,908
Nebraska	19,988	20,396	20,923	21,469	321,795	323,549	343,827	257,020
Kansas	21,992	22,918	22,996	23,625	344,105	373,129	305,187	203,840
South Atlantic	32,044	32,186	32,082	32,409	1,119,835	1,079,354	1,117,340	867,362
Delaware	391	395	390	392	15,574	14,918	16,309	11,917
Maryland	1,776	1,793	1,767	1,794	68,535	59,907	65,968	42,907
Virginia	4,174	4,222	4,072	4,037	159,630	153,362	163,968	93,608
West Virginia	1,740	1,737	1,734	1,659	59,996	58,921	61,336	35,404
North Carolina	7,035	7,135	7,211	7,350	317,802	308,864	293,015	240,206
South Carolina	5,389	5,262	5,037	5,272	155,041	142,288	153,600	132,824
Georgia	10,327	10,363	10,555	10,622	239,349	231,080	250,590	200,721
Florida	1,212	1,279	1,316	1,343	103,908	109,915	112,554	109,795
East South Central	26,102	26,355	26,938	26,950	793,183	794,682	865,751	521,398
Kentucky	5,368	5,363	5,432	5,246	181,374	193,213	195,383	109,926
Tennessee	6,577	6,509	6,667	6,580	182,106	184,009	204,868	130,559
Alabama	7,796	7,818	8,028	8,337	206,365	195,933	203,031	146,453
Mississippi	6,361	6,665	6,811	6,787	223,323	221,507	262,469	134,460
West South Central	55,602	57,759	57,778	57,548	1,353,817	1,408,973	1,226,989	785,555
Arkansas	6,937	7,073	7,145	7,137	206,016	208,413	209,613	90,087
Louisiana	4,266	4,538	4,639	4,623	146,288	153,857	164,724	107,808
Oklahoma	15,328	15,763	15,309	14,739	300,149	289,273	243,678	132,248
Texas	29,071	30,385	30,685	31,049	701,364	757,430	608,974	434,512
Mountain	20,598	21,849	22,658	22,786	471,597	482,793	509,417	381,748
Montana	7,043	7,665	7,986	7,805	117,470	120,730	94,067	61,256
Idaho	2,702	2,878	2,881	2,870	93,130	91,306	103,563	76,750
Wyoming	1,722	1,850	1,932	1,958	29,708	31,677	36,301	28,571
Colorado	5,988	6,111	6,271	6,579	118,490	111,672	135,950	121,453
New Mexico	1,134	1,217	1,407	1,329	28,763	30,231	38,741	19,530
Arizona	542	612	643	674	36,800	47,332	50,544	36,938
Utah	1,067	1,109	1,123	1,168	38,134	39,550	38,581	29,757
Nevada	400	407	405	405	9,102	10,226	11,670	7,484
Pacific	10,995	11,483	11,811	11,996	695,296	706,971	798,736	610,230
Washington	3,495	3,627	3,806	3,837	138,824	135,135	155,646	110,640
Oregon	2,675	2,751	2,825	2,807	82,690	88,699	100,636	68,554
California	4,825	5,105	5,180	5,252	463,782	483,137	542,454	431,036

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 663.—ACREAGE, PRODUCTION, AND VALUE OF PRINCIPAL CROPS: ESTIMATES OF THE DEPARTMENT OF AGRICULTURE

NOTE.—Tons are of 2,000 pounds. For weights of the units of measurement for principal products, see Appendix, p. 879. The approximate weights of units of measurements 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 arithmetic averages of prices and yields for the individual years. Figures for 1930 are preliminary

Yearly average or year	Area	Production	Farm value, Dec. 1	Yield per acre	Farm price, Dec. 1	Area	Production	Farm value, Dec. 1	Yield per acre	Farm price, Dec. 1
	Corn					Wheat				
	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	37,216	969,948	454,535	26.1	46.9	20,470	244,672	257,587	12.0	105.3
1876–1885	61,071	1,564,992	617,780	25.4	39.5	34,433	425,054	391,165	12.3	92.0
1886–1895	74,274	1,769,616	648,785	23.8	36.7	37,500	476,788	321,071	12.7	67.3
1896–1900	90,589	2,373,780	669,420	26.2	28.2	48,989	633,074	415,922	12.9	65.7
1901–1905	93,545	2,371,507	1,046,632	25.4	44.1	50,194	700,220	501,277	14.0	71.6
1906–1910	97,327	2,682,656	1,367,068	27.6	51.0	45,766	674,993	579,535	14.7	85.9
1911–1915	105,672	2,754,164	1,644,511	26.1	59.7	51,910	806,361	705,890	15.5	87.5
1916–1920	105,072	2,830,942	3,109,625	26.9	109.8	58,685	799,083	1,491,445	13.6	186.6
1921–1925	102,615	2,850,733	1,931,630	27.8	67.8	58,115	804,218	889,140	13.8	110.6
1913	105,820	2,446,988	1,602,092	23.1	69.1	50,184	753,380	610,122	15.2	79.9
1914	103,435	2,672,804	1,722,070	25.8	64.4	53,541	891,017	878,680	16.6	98.6
1915	106,197	2,994,793	1,722,680	28.2	57.5	60,469	1,025,801	942,303	17.0	91.9
1916	105,296	2,566,927	2,280,729	24.4	88.9	52,316	630,318	1,019,908	12.2	160.3
1917	110,730	3,065,233	3,920,228	26.3	127.9	45,089	636,055	1,278,112	14.1	200.8
1918	104,467	2,502,665	3,416,240	24.0	136.5	59,181	921,438	1,881,826	15.6	204.2
1919	97,170	2,811,302	3,780,597	28.9	134.5	75,094	967,979	2,080,056	12.8	214.9
1920	101,699	3,208,584	2,150,332	31.5	67.0	61,143	833,027	1,197,263	13.6	143.7
1921	103,740	3,068,569	1,297,213	29.6	42.3	63,696	814,905	754,834	12.8	92.6
1922	102,846	2,906,020	1,910,775	28.3	65.8	62,317	867,598	873,412	13.9	100.7
1923	104,324	3,053,557	2,217,229	29.3	72.6	59,659	797,394	736,006	13.4	92.3
1924	100,863	2,309,414	2,266,771	22.9	98.2	52,535	864,428	1,123,086	16.5	129.9
1925	101,302	2,916,106	1,966,162	28.8	67.4	52,367	676,765	958,364	12.9	141.6
1926	99,615	2,691,531	1,728,970	27.0	64.2	56,359	831,381	996,308	14.8	119.8
1927	98,393	2,763,093	1,997,759	28.1	72.3	58,784	878,374	979,813	14.9	111.5
1928	100,673	2,818,901	2,119,046	28.0	75.2	58,272	914,876	887,184	15.7	97.0
1929	97,856	2,614,132	2,042,803	26.7	78.1	61,464	809,176	843,030	13.2	104.2
1930	100,829	2,081,048	1,378,874	20.6	66.3	59,153	850,965	517,407	14.4	60.8
	Oats					Rye				
1866–1875	9,680	272,993	102,423	28.2	37.5	1,347	18,267	14,559	13.6	79.7
1876–1885	17,143	469,856	152,594	27.4	32.5	1,892	24,625	15,540	13.0	63.1
1886–1895	27,482	717,266	207,143	26.1	28.9	2,188	27,975	15,278	12.8	54.6
1896–1900	29,319	860,734	195,750	29.0	23.0	2,074	31,272	14,142	15.1	45.2
1901–1905	30,953	960,080	310,961	31.0	32.4	2,077	33,064	19,091	15.9	57.7
1906–1910	34,741	989,171	386,508	28.5	39.1	2,182	35,617	24,723	16.3	69.4
1911–1915	38,703	1,230,499	473,133	31.8	38.5	2,494	41,399	31,903	16.6	77.1
1916–1920	42,456	1,412,602	865,991	33.3	61.3	4,927	67,762	95,885	13.8	141.5
1921–1925	42,850	1,318,021	525,747	30.8	39.9	4,900	68,018	52,182	13.9	76.7
1913	38,399	1,121,768	439,596	29.2	39.2	2,557	41,381	26,220	16.2	63.4
1914	38,442	1,141,060	499,431	29.7	43.8	2,541	42,779	37,018	16.8	86.5
1915	40,996	1,549,030	559,506	37.8	36.1	3,129	54,050	45,083	17.3	83.4
1916	41,527	1,251,837	655,928	30.1	52.4	3,213	48,862	59,670	15.2	122.1
1917	43,553	1,592,740	1,061,474	36.6	66.6	4,317	62,933	104,447	14.6	166.0
1918	44,349	1,538,124	1,090,322	34.7	70.9	6,391	91,041	138,038	14.2	151.6
1919	40,359	1,184,080	833,922	29.3	70.4	6,307	75,483	100,573	12.0	133.2
1920	42,491	1,496,281	688,311	35.2	46.0	4,409	60,490	76,693	13.7	126.8
1921	45,495	1,078,341	325,954	23.7	30.2	4,528	61,675	43,014	13.6	69.7
1922	40,790	1,215,803	478,948	29.8	39.4	6,672	103,362	70,841	15.5	68.5
1923	40,981	1,305,883	541,137	31.9	41.4	5,171	63,077	40,971	12.2	65.0
1924	42,110	1,502,529	717,189	35.7	47.7	4,156	65,520	69,742	15.8	106.4
1925	44,872	1,487,550	565,506	33.2	38.0	3,974	46,456	36,340	11.7	78.2
1926	44,177	1,246,848	496,582	28.2	39.8	3,574	40,749	33,991	11.4	83.4
1927	41,941	1,182,594	531,762	28.2	45.0	3,648	58,164	49,609	15.9	85.3
1928	41,734	1,439,407	599,048	34.5	40.9	3,480	43,366	37,290	12.5	86.0
1929	40,043	1,228,369	533,807	30.7	43.5	3,331	41,911	36,225	12.6	86.4
1930	41,598	1,402,026	453,973	33.7	32.4	3,722	50,234	20,895	13.5	41.6

No. 663.—Acreage, Production, and Value of Principal Crops: Estimates of the Department of Agriculture—Continued

Yearly average or year	Area	Production	Farm value, Dec. 1	Yield per acre	Farm price, Dec. 1	Area	Production	Farm value, Dec. 1	Yield per acre	Farm price, Dec. 1
	Barley					Buckwheat				
	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	1,196	29,992	21,352	22.6	79.2	730	13,309	9,735	18.3	72.8
1876-1885	2,102	47,029	28,687	22.4	61.0	799	11,616	7,510	14.5	64.7
1886-1895	3,490	79,646	37,464	22.8	47.0	879	12,854	7,031	14.6	54.7
1896-1900	4,315	103,038	37,908	23.9	36.8	821	14,367	6,720	17.5	46.8
1901-1905	5,520	150,046	64,320	27.2	43.2	859	15,670	9,343	18.2	59.6
1906-1910	7,231	181,788	99,631	25.0	54.8	859	16,543	11,313	19.3	68.4
1911-1915	7,474	197,211	114,389	26.4	58.0	808	16,514	12,127	20.4	73.4
1916-1920	8,150	197,447	189,902	24.2	96.2	836	14,426	20,963	17.3	145.3
1921-1925	7,408	186,029	105,566	24.8	56.7	735	14,017	12,718	19.1	90.7
1913	7,499	178,189	95,731	23.8	53.7	805	13,833	10,445	17.2	75.5
1914	7,565	194,953	105,903	25.8	54.3	792	16,881	12,892	21.3	76.4
1915	7,148	228,851	118,172	32.0	51.6	769	15,056	11,843	19.6	78.7
1916	7,757	182,309	160,646	23.5	88.1	828	11,662	13,147	14.1	112.7
1917	8,933	211,759	240,758	23.7	113.7	924	16,022	25,631	17.3	160.0
1918	9,740	256,225	234,942	26.3	91.7	1,027	16,905	28,142	16.5	166.5
1919	6,720	147,608	178,080	22.0	120.6	700	14,399	21,032	20.6	146.1
1920	7,600	189,332	135,083	24.9	71.3	701	13,142	16,863	18.7	128.3
1921	7,414	154,946	64,934	20.9	41.9	680	14,207	11,540	20.9	81.2
1922	7,327	182,068	95,560	24.9	52.5	764	14,564	12,889	19.1	88.5
1923	7,335	197,691	107,038	25.2	54.1	739	13,965	13,029	18.9	93.3
1924	6,925	181,575	134,599	26.2	74.1	745	13,357	13,708	17.9	102.6
1925	7,997	213,863	125,709	26.7	58.8	747	13,994	12,423	18.7	88.8
1926	7,970	184,905	106,237	23.2	57.5	694	12,676	11,183	18.3	88.2
1927	9,476	265,882	180,200	28.1	67.8	810	15,755	13,155	19.5	83.5
1928	12,593	357,487	197,459	28.4	55.2	749	13,148	11,511	17.6	87.5
1929	13,068	302,892	166,613	23.2	55.0	729	11,474	11,210	15.7	97.7
1930	12,437	325,893	129,137	26.2	39.6	668	8,975	7,588	13.6	84.5
	Rice (rough)					Flaxseed				
1905-1910	638	20,720	16,598	32.5	80.1	2,520	21,930	28,151	8.7	128.4
1911-1915	749	25,266	22,370	33.7	88.5	2,186	18,615	26,120	8.5	140.3
1916-1920	1,074	41,651	70,036	38.8	168.1	1,726	10,952	31,733	6.3	289.7
1921-1925	921	35,638	41,460	38.7	116.3	2,156	17,887	38,410	8.3	214.7
1913	827	25,744	22,090	31.1	85.8	2,291	17,853	21,309	7.8	119.9
1914	694	23,649	21,849	34.1	92.4	1,645	13,749	17,318	8.4	126.0
1915	803	28,947	26,212	36.1	90.6	1,387	14,030	24,410	10.1	174.0
1916	869	40,861	36,311	47.0	88.9	1,474	14,296	35,541	9.7	248.6
1917	981	34,739	65,879	35.4	189.6	1,984	9,164	27,182	4.6	296.6
1918	1,119	38,606	74,042	34.5	191.8	1,910	13,369	45,470	7.0	340.1
1919	1,063	41,985	111,913	39.5	266.6	1,503	7,178	31,475	4.8	438.5
1920	1,336	52,066	62,036	39.0	119.1	1,757	10,752	18,999	6.1	176.7
1921	921	37,612	35,802	40.8	95.2	1,108	8,029	11,648	7.2	145.1
1922	1,055	41,405	38,562	39.2	93.1	1,113	10,375	21,941	9.3	211.5
1923	895	33,717	37,160	37.7	110.2	2,014	17,060	35,951	8.5	210.7
1924	850	32,206	44,644	37.9	138.6	3,469	31,547	71,728	9.1	227.4
1925	833	33,249	51,142	37.7	153.8	3,078	22,424	50,783	7.3	226.5
1926	1,034	42,477	46,544	41.1	109.6	2,907	19,335	37,510	6.7	194.0
1927	1,003	44,754	41,598	44.6	92.9	2,837	26,847	48,079	9.1	186.0
1928	956	43,440	38,456	45.4	88.5	2,675	19,928	40,098	7.4	201.2
1929	868	40,462	39,536	46.6	97.7	3,050	17,049	48,459	5.6	284.2
1930	960	41,367	31,623	43.1	76.4	3,946	23,682	33,097	6.0	139.8

No. 663.—Acreage, Production, and Value of Principal Crops: Estimates of the Department of Agriculture—Continued

Yearly average or year	Area	Production	Farm value Dec. 1	Yield per acre	Farm price Dec. 1	Area	Production	Farm value Dec. 1	Yield per acre	Farm price Dec. 1
	Potatoes					Sweetpotatoes				
	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	1,261	117,266	62,754	93.0	53.5					
1876-1885	1,998	162,229	82,085	81.2	50.6					
1886-1895	2,653	197,285	92,938	74.4	47.1					
1896-1900	2,911	237,916	96,250	81.7	40.5					
1901-1905	3,104	277,150	155,388	89.3	56.1	545	47,730	27,943	87.6	58.5
1906-1910	3,502	340,045	196,904	97.1	57.9	600	54,563	36,457	90.9	66.8
1911-1915	3,689	362,910	219,137	98.4	60.4	629	60,257	42,525	95.8	70.6
1916-1920	3,889	373,417	486,053	96.0	130.2	913	88,750	104,054	97.2	117.2
1921-1925	3,600	394,327	369,765	106.9	93.8	929	84,291	84,152	90.7	99.8
1914	3,711	409,921	199,460	110.5	48.7	603	56,574	41,294	93.8	73.0
1915	3,734	359,721	221,992	96.3	61.7	731	75,639	46,980	103.5	62.1
1916	3,565	286,953	419,333	80.5	146.1	774	70,955	60,141	91.7	84.8
1917	4,384	442,108	542,774	100.8	122.8	919	83,822	92,916	91.2	110.8
1918	4,295	411,800	491,527	95.9	119.3	940	87,924	118,863	93.5	135.2
1919	3,542	322,867	514,855	91.2	159.5	941	97,126	130,514	103.2	134.4
1920	3,657	403,296	461,778	110.3	114.5	992	103,925	117,834	104.8	113.4
1921	3,941	361,659	398,362	91.8	110.1	1,066	98,654	86,894	92.5	88.1
1922	4,307	453,396	263,355	105.3	58.1	1,117	109,394	84,295	97.9	77.1
1923	3,816	416,105	324,889	109.0	78.1	993	97,177	95,091	97.9	97.9
1924	3,310	419,560	262,097	126.8	62.5	688	53,912	69,444	78.4	128.8
1925	3,074	320,915	600,120	104.4	187.0	779	62,319	85,034	80.0	136.4
1926	3,120	354,458	501,186	113.6	141.4	819	82,703	78,956	101.0	95.5
1927	3,476	402,741	388,741	115.9	96.5	933	94,112	77,615	100.9	82.5
1928	3,837	465,350	249,450	121.3	53.6	810	77,661	71,096	95.9	91.5
1929	3,338	350,048	469,837	107.6	130.9	821	84,521	79,819	102.9	94.4
1930	3,394	361,090	326,457	106.4	90.4	838	71,154	64,480	84.9	90.6
	Cotton[1]					Cottonseed[1]				
	1,000 acres	*1,000 bales*	*1,000 dollars*	*Lbs.*	*Cents per pound*		*1,000 short tons*	*1,000 dollars*		*Dolls. per ton*
1866-1875	8,810	3,260		176.2						
1876-1885	15,209	5,652	243,808	170.7	9.1		2,607			
1886-1895	19,421	7,637	260,415	176.9	7.7		3,645			
1896-1900	24,364	10,018	337,592	193.3	7.1		4,859			
1901-1905	27,865	10,801	485,560	184.8	9.0		5,185			
1906-1910	31,364	11,847	660,788	180.3	11.3		5,281			
1911-1915	35,132	14,176	709,629	192.0	10.2		6,317	128,439		21.15
1916-1920	34,856	11,931	1,464,088	163.2	24.9		5,312	301,439		57.76
1921-1925	37,616	11,518	1,276,329	144.2	22.4		5,114	168,271		33.44
1914	35,832	16,135	549,036	209.2	6.8		7,186	100,676		14.01
1915	31,412	11,192	631,460	170.3	11.3		4,992	169,778		34.01
1916	34,985	11,450	1,122,295	156.6	19.6		5,113	285,408		55.82
1917	33,841	11,302	1,566,198	159.7	27.7		5,040	349,675		69.38
1918	36,008	12,041	1,663,633	159.6	27.6		5,360	348,239		64.97
1919	33,566	11,421	2,034,558	161.5	35.6		5,074	368,626		72.65
1920	35,878	13,440	933,658	178.4	13.9		5,971	155,246		26.00
1921	30,509	7,954	643,933	124.5	16.2		3,531	101,644		28.78
1922	33,036	9,755	1,160,968	141.2	23.8		4,336	154,664		35.67
1923	37,123	10,140	1,571,829	130.6	31.0		4,502	193,524		43.00
1924	41,360	13,628	1,540,884	157.4	22.6		6,051	196,155		32.42
1925	46,053	16,104	1,464,032	167.2	18.2		7,150	195,360		27.32
1926	47,087	17,977	982,736	182.6	10.9		7,989	149,281		18.69
1927	40,138	12,955	1,269,885	154.5	19.6		5,759	212,075		36.82
1928	45,341	14,478	1,301,796	152.9	18.0		6,435	233,559		36.30
1929	45,793	14,828	1,217,829	155.0	16.4		6,590	199,881		30.33
1930	45,091	13,932	659,455	147.7	9.5		6,185	133,671		21.61

[1] Production of cotton, excluding linters, and cottonseed from reports of the Census Bureau. Bales are of 500 pounds gross. Cottonseed prices are as of November 15, 1911 to 1920, Dec. 1 thereafter. Values are based on these prices. For weighted average prices of cotton and cottonseed, 1911 to 1930, and values based thereon, see Table 665, p. 709.

No. 663.—ACREAGE, PRODUCTION, AND VALUE OF PRINCIPAL CROPS: ESTIMATES OF THE DEPARTMENT OF AGRICULTURE—Continued

Yearly average or year	Area	Production	Farm value Dec. 1	Yield per acre	Farm price Dec. 1	Area	Production	Farm value Dec. 1	Yield per acre	Farm price Dec. 1
	Beans, dry, edible					Peanuts (for nuts) [2]				
	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.*
1916–1920	1,318	13,356	67,045	10.1	5.02	1,413	1,043,202	67,475	738.4	6.5
1921–1925	1,279	14,692	50,910	11.5	3.47	1,052	710,743	33,255	675.6	4.7
1918	1,744	17,397	91,863	10.0	5.28	1,865	1,240,102	80,271	664.9	6.5
1919	1,065	13,399	57,046	12.6	4.26	1,132	783,273	73,094	691.9	9.3
1920	852	9,225	27,282	10.8	2.96	1,181	841,474	44,256	712.5	5.3
1921	782	9,185	24,515	11.7	2.67	1,214	829,307	33,097	683.1	4.0
1922	1,036	12,877	48,133	11.9	3.74	1,005	633,114	29,613	630.0	4.7
1923	1,344	16,308	59,782	12.1	3.67	896	647,702	43,918	722.9	6.8
1924	1,576	15,164	56,744	9.6	3.74	1,187	745,059	34,259	627.7	4.6
1925	1,606	19,928	65,376	12.4	3.28	958	698,475	25,390	729.1	3.6
1926	1,677	17,707	51,876	10.6	2.93	843	631,825	28,161	749.5	4.5
1927	1,569	16,171	46,675	10.3	2.88	1,142	864,549	35,016	757.0	4.0
1928	1,041	17,647	73,782	10.8	4.18	1,211	855,096	38,434	706.1	4.4
1929	1,960	20,707	78,371	10.6	3.78	1,325	928,975	34,173	701.1	3.6
1930	2,181	22,137	53,098	10.1	2.40	1,108	740,710	24,005	668.5	3.2
	Grain sorghums (kafirs, milo maize, feterita, etc., for all purposes					Broomcorn [2]				
	1,000 acres	*1,000 bushels*	*1,000 dollars*	*Bushels*	*Cents per bushel*	*1,000 acres*	*1,000 short tons*	*1,000 dollars*	*Lbs.*	*Dolls. per ton*
1916–1920	[3] 6,618	[3] 166,298	[3] 182,977	[3] 25.1	[3] 110.0	315	50	10,185	314.2	196.02
1921–1925	5,311	117,073	86,873	18.6	74.2	337	53	7,121	313.7	134.87
1918						366	62	14,570	340.4	233.87
1919	6,441	157,805	202,094	24.5	128.1	352	53	8,254	303.4	154.57
1920	6,794	174,790	163,860	25.7	93.7	276	36	4,605	265.0	126.16
1921	6,385	147,609	57,576	23.1	39.0	222	38	2,758	344.2	72.20
1922	5,778	98,158	86,517	17.0	88.1	275	37	8,186	271.3	219.46
1923	6,661	116,109	110,258	17.4	95.0	536	81	12,989	302.8	160.00
1924	6,089	117,057	99,765	19.2	85.2	436	78	7,454	356.9	95.81
1925	6,040	106,434	80,251	16.0	75.4	214	30	4,219	275.7	143.02
1926	6,690	137,515	74,065	20.6	53.9	306	54	4,235	355.6	78.77
1927	6,723	137,358	84,614	20.4	61.6	237	40	4,380	337.6	109.50
1928	6,497	142,513	88,429	21.9	62.0	208	54	5,638	303.1	104.21
1929	5,921	100,845	71,617	17.0	71.0	303	47	5,789	311.6	122.65
1930	6,180	86,622	55,486	14.0	64.1	395	50	3,661	251.1	73.81
	Clover seed (red and alsike) [4]					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.*
1916–1920	947	1,592	24,584	1.7	15.44	30	32,143	10,326	1,081	32.1
1921–1925	893	1,251	14,832	1.4	11.86	22	26,616	4,456	1,215	16.7
1918	797	1,163	23,705	1.5	19.80	26	21,481	4,150	829	19.3
1919	1,006	1,545	40,976	1.5	26.52	21	24,970	19,376	1,189	77.6
1920	1,149	2,023	23,471	1.8	11.60	28	34,280	12,236	1,224	35.7
1921	900	1,422	14,296	1.6	10.05	27	29,340	7,080	1,087	24.1
1922	1,194	1,815	18,205	1.5	10.03	23	27,744	2,383	1,186	8.6
1923	753	1,028	12,337	1.4	12.05	18	19,751	3,722	1,071	18.8
1924	809	927	13,455	1.2	14.51	20	27,070	2,863	1,360	10.3
1925	807	1,062	15,819	1.3	14.90	20	28,573	6,232	1,404	21.8
1926	530	728	12,895	1.4	17.71	21	31,522	7,206	1,516	23.1
1927	1,214	1,727	26,299	1.4	15.22	25	30,658	7,024	1,216	22.9
1928	617	961	15,590	1.6	16.22	26	32,944	6,365	1,257	19.3
1929	1,643	2,523	25,718	1.5	10.19	25	33,220	3,788	1,334	11.4
1930	1,018	1,460	17,354	1.4	11.89	20	23,447	3,462	1,202	14.8

[2] Prices for peanuts are as of Nov. 15, 1916 to 1923, Dec. 1 thereafter, the 1926–1930 prices being averages of State prices weighted by total production. Prices for broomcorn are as of Nov. 15, 1916 to 1924, the weighted average for the season to Dec. 1, for 1925, and as of Dec. 1 thereafter. Farm values are based on the prices shown.

[3] Average for 1919 and 1920.

[4] Includes sweet clover prior to 1924.

No. 663.—Acreage, Production, and Value of Principal Crops: Estimates of the Department of Agriculture—Continued

Yearly average or year	Area	Production	Farm value Dec. 1	Yield per acre	Farm price Dec. 1	Area	Production	Farm value Dec. 1	Yield per acre	Farm price Dec. 1
	Hay (tame)					Tobacco				
	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.*
1866–1875	20,419	24,929	286,821	1.22	11.51	434	308,325	27,721	710	9.0
1876–1885	31,124	38,723	352,577	1.24	9.11	640	470,525	36,564	735	7.8
1886–1895	40,127	47,401	420,673	1.18	8.87	683	488,937	39,426	716	8.1
1896–1900	42,126	58,142	453,405	1.38	7.80	924	665,828	[5] 45,064	721	[5] 6.7
1901–1905	43,813	66,287	606,797	1.51	9.19	938	750,049	55,653	800	7.4
1906–1910	50,048	72,161	777,730	1.44	10.78	1,031	851,433	84,458	826	9.9
1911–1915	49,395	69,543	826,282	1.41	11.88	1,210	988,723	101,889	813	10.4
1916–1920	56,336	85,588	1,464,018	1.52	17.11	1,698	1,377,866	355,786	811	25.8
1921–1925	59,743	90,022	1,197,891	1.51	13.31	1,692	1,291,922	262,597	763	20.3
1917	55,203	83,308	1,423,766	1.51	17.09	1,518	1,249,276	300,449	823	24.0
1918	55,755	76,660	1,543,494	1.37	20.13	1,047	1,439,071	402,264	874	28.0
1919	56,888	86,097	1,744,547	1.53	20.05	1,951	1,465,481	570,803	751	39.0
1920	58,101	89,785	1,585,355	1.55	17.66	1,960	1,582,225	335,675	807	21.2
1921	58,769	82,458	998,069	1.40	12.10	1,427	1,069,693	212,728	750	19.9
1922	61,159	95,748	1,202,063	1.57	12.55	1,695	1,246,837	289,248	736	23.2
1923	59,868	89,250	1,261,486	1.49	14.13	1,877	1,515,110	301,096	807	19.9
1924	60,907	97,224	1,337,733	1.60	13.76	1,706	1,251,343	259,139	734	20.7
1925	58,013	85,431	1,190,103	1.47	13.93	1,757	1,376,628	250,774	783	18.2
1926	58,558	86,144	1,214,372	1.47	14.10	1,656	1,297,889	236,702	784	18.2
1927	60,885	106,001	1,202,953	1.74	11.35	1,555	1,211,909	256,882	765	21.2
1928	58,140	93,351	1,145,060	1.61	12.27	1,894	1,374,547	277,506	726	[6] 20.2
1929	60,265	100,893	1,233,385	1.67	12.22	2,040	1,524,677	282,764	747	[6] 18.5
1930	58,473	82,656	1,048,205	1.41	12.68	2,110	1,510,308	216,895	716	[6] 14.4
	Cranberries (principal producing States)					Oranges (two States) [7]				
	1,000 acres	*1,000 barrels* [11]	*1,000 dollars*	*Barrels*	*Dollars per barrel*		*1,000 boxes*	*1,000 dollars*		*Dollars per box*
1916–1920	24	414	3,980	17.3	9.61	-------	22,337	63,594	-------	2.85
1921–1925	27	549	5,749	20.3	10.47	-------	30,137	80,968	-------	2.69
1918	25	352	3,791	13.9	10.77	-------	24,200	89,496	-------	3.70
1919	25	549	4,597	22.0	8.37	-------	22,665	71,949	-------	3.17
1920	25	449	5,514	18.0	12.28	-------	29,796	67,505	-------	2.27
1921	25	384	6,526	15.4	16.99	-------	20,340	63,497	-------	3.12
1922	25	560	5,702	22.4	10.18	-------	30,306	69,282	-------	2.29
1923	28	652	4,664	23.3	7.15	-------	37,037	71,494	-------	1.93
1924	28	582	5,485	20.8	9.42	-------	29,700	102,535	-------	3.45
1925	28	569	6,370	20.3	11.20	-------	33,300	98,030	-------	2.94
1926	28	744	5,623	26.1	7.56	-------	38,867	113,729	-------	2.93
1927	28	496	6,089	17.4	12.28	-------	31,200	124,800	-------	4.00
1928	29	551	7,997	19.3	14.51	-------	53,705	108,445	-------	2.02
1929	29	546	7,154	19.1	13.09	-------	33,200	122,000	-------	3.67
1930	29	570	5,789	19.8	10.15	-------	48,800	102,560	-------	2.10
	Onions (commercial crop)					Cabbage (commercial crop)				
	1,000 acres	*1,000 bushels*	*1,000 dollars*	*Bushels*	*Cents per bushel* [8]	*1,000 acres*	*1,000 short tons*	*1,000 dollars*	*Short tons*	*Dollars per ton* [8]
1921–1925	62	17,346	19,153	284	109	117	928	16,290	7.9	18.18
1921	57	14,165	18,587	248	131	105	703	16,701	6.7	23.77
1922	63	18,763	15,876	296	85	135	1,096	13,264	8.1	12.10
1923	62	17,306	23,342	279	135	106	816	17,359	7.7	21.26
1924	65	19,242	16,472	296	86	120	1,074	17,568	9.0	16.36
1925	65	19,756	21,488	303	109	120	952	16,558	7.9	17.39
1926	76	21,574	16,272	285	75	130	1,057	18,373	8.1	17.39
1927	78	23,797	18,775	307	79	143	1,226	18,734	8.6	15.28
1928	80	20,454	24,099	256	118	139	1,001	22,269	7.2	22.24
1929	87	25,470	18,710	293	74	157	1,107	20,757	7.1	18.75
1930	83	26,124	13,146	315	50	156	1,022	19,507	6.6	19.09

[5] 3-year average; no data for 1897 and 1898.
[6] Season average price; for 1930, based on sales to Dec. 1.
[7] Crops produced in California and Florida from bloom of the years specified in stub. In California, crop year begins Nov. 1, contents of box averages about 70 pounds, and value is calculated on packed-box basis at approximate net price paid to growers for naked fruit delivered to packing house. In Florida, crop year begins Sept. 1, box contains about 83 pounds of fruit, and value of crop is calculated on the approximate price paid to growers per packed box, not including selling charges.
[8] Price for season.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 664.—TRUCK CROPS: Commercial Acreage, Production, and Value

Note.—Only States with a crop of commercial importance are included. Approximate weights of the units of measurement are as follows: Number of pounds to the crate—asparagus, 24; celery and cantaloupes, 60; cauliflower, 50; lettuce, 50. Number of pounds to the bushel—beans, lima, 28; beets, 56; carrots, 50; eggplant, 38; kale, 18; onions, 57; cucumbers, 48; peppers, 22; potatoes, 60. Number of pounds to a box of artichokes, 40. Tons are of 2,000 pounds. Values are based on average seasonal farm price

Crop	1925	1926	1927	1928	1929	1930	1930, leading States
Acreage:							
Artichokes	10,550	11,760	9,940	8,550	9,750	8,550	Calif.
Asparagus	65,530	84,980	90,000	96,430	97,620	100,610	Calif., N. J.
Beans, lima	3,000	3,000	4,530	5,170	4,820	9,070	Ga., N. J.
Beans, snap	107,170	100,460	110,220	134,370	149,810	173,380	Fla., N. J.
Beets	3,000	3,200	9,550	9,380	9,510	10,630	Tex., N. J.
Cabbage	120,280	130,180	142,560	139,150	157,400	156,030	N. Y., Tex.
Cantaloupes	93,260	101,690	105,780	99,860	107,140	127,380	Calif., Ariz.
Carrots	15,760	19,000	26,300	27,540	31,720	30,630	Tex., Calif.
Cauliflower	15,780	22,170	18,020	21,430	25,580	27,520	Calif., N. Y.
Celery	22,910	21,330	24,550	27,040	29,680	31,840	Calif., Fla.
Corn, sweet	415,910	339,310	241,350	324,460	379,310	390,760	Ill., Iowa.
Cucumbers	140,480	110,450	96,740	117,170	120,710	166,160	Mich., Wis.
Eggplant	3,490	3,260	3,090	3,890	3,630	4,220	Fla., N. J.
Kale				2,170	2,400	2,400	Va.
Lettuce	86,030	105,560	123,010	124,830	141,010	171,610	Calif., Ariz.
Onions	65,280	75,780	77,580	80,020	86,850	82,940	Tex., Ind.
Peas, green	260,530	261,690	220,800	266,500	303,840	349,580	Wis., N. Y.
Peppermint					44,500	48,000	Ind., Oreg.
Peppers	13,780	15,560	14,770	17,890	17,930	18,790	N. J., Fla.
Pimientos		5,110	7,040	8,850	9,020	9,540	Ga., Calif.
Potatoes, early Irish	292,930	311,900	335,530	387,230	273,130	331,540	Va., Tex.
Spinach	44,410	48,110	52,140	60,650	70,250	57,650	Tex., Calif.
Strawberries	144,740	152,040	191,250	207,810	200,420	175,720	La., Ark.
Tomatoes	489,150	374,330	466,870	412,140	466,630	563,400	Ind., Calif.
Watermelons	173,710	199,060	182,110	205,930	212,810	231,980	Ga., Tex.
Production:							
Artichokes, 1,000 boxes	1,266	1,470	1,272	1,043	1,032	1,060	Calif.
Asparagus, 1,000 crates	6,301	7,813	7,835	9,578	9,766	10,403	Calif., N. J.
Beans, lima, 1,000 bushels	300	240	380	286	382	539	Ga., N. J.
Beans, snap, 1,000 tons	152	120	125	146	189	188	Fla., N. J.
Beets, 1,000 bushels	605	530	1,310	1,611	1,600	2,124	Tex., N. J.
Cabbage, 1,000 tons	952	1,057	1,226	1,001	1,107	1,022	N. Y., Wis.
Cantaloupes, 1,000 crates	14,553	14,393	15,014	15,370	16,982	15,391	Calif., Ariz.
Carrots, 1,000 bushels	4,800	5,523	7,760	7,524	10,957	10,991	Calif., Tex.
Cauliflower, 1,000 crates	3,493	3,581	4,259	5,031	6,500	5,595	Calif., Colo.
Celery, do	6,702	5,767	7,463	7,945	8,782	10,043	Fla., Calif.
Corn, sweet, 1,000 tons	1,064	862	451	636	743	701	Ill., Minn.
Cucumbers, 1,000 bushels	12,439	9,028	8,577	9,180	8,639	11,740	Mich., Wis.
Eggplant, do	904	791	814	896	713	857	Fla., N. J.
Kale, do				868	1,080	1,200	Va.
Lettuce, 1,000 crates	16,061	17,144	19,369	18,345	20,180	19,674	Calif., Ariz.
Onions, 1,000 bushels	19,756	21,574	23,797	20,454	25,470	26,124	Tex., N. Y.
Peas, green, 1,000 bushels	243	261	239	277	300	347	Wis., Calif.
Peppermint, oil, 1,000 pounds					505	708	Ind., Oreg.
Peppers, green, 1,000 bushels	3,459	3,912	3,536	4,466	4,160	4,381	N. J., Fla.
Pimientos, 1,000 tons		13	16	16	19	16	Ga., Calif.
Potatoes, early Irish, 1,000 bushels	29,902	35,218	43,237	53,368	34,695	42,659	Va., N. J.
Spinach, 1,000 tons	132	162	169	171	226	138	Tex., Calif.
Strawberries, 1,000 quarts	223,675	276,385	320,901	334,675	327,975	229,336	La., Md.
Tomatoes, 1,000 tons	2,357	1,380	1,684	1,424	1,988	2,280	Calif., Ind.
Watermelons, thousands	56,498	69,098	57,602	63,045	69,579	74,751	Ga., Fla.
Value (1,000 dollars):							
Artichokes	2,279	2,602	2,569	2,044	2,499	3,021	Calif.
Asparagus	10,137	14,188	13,579	14,741	15,803	15,756	Calif., N. J.
Beans, lima	375	432	670	926	599	862	N. J., Ga.
Beans, snap	15,949	14,960	14,527	15,012	18,723	17,583	Fla., N. J.
Beets	318	296	937	1,224	1,177	1,353	Tex., N. J.
Cabbage	16,558	18,373	18,734	22,209	20,757	19,507	N. Y., Wis.
Cantaloupes	21,273	18,520	22,425	20,056	22,290	18,612	Calif., Colo.
Carrots	2,902	3,533	4,366	5,122	6,553	6,612	Calif., N. J.
Cauliflower	4,442	5,557	5,364	5,077	5,206	4,630	Calif., Colo.
Celery	11,797	10,640	12,504	14,591	14,617	14,825	Fla., Calif.
Corn, sweet	16,784	12,523	7,026	9,681	11,313	10,311	Ill., Minn.
Cucumbers	14,366	10,500	9,790	9,667	11,537	10,723	Mich., Fla.,
Eggplant	937	931	754	777	887	727	Fla., N. J.
Kale				434	378	480	Va.
Lettuce	23,708	28,233	22,118	31,025	36,826	33,416	Calif., Fla.
Onions	21,488	16,272	18,775	24,099	18,710	13,146	Tex., N. Y.
Peas, green	10,700	18,554	18,770	19,835	22,139	23,432	Wis., Calif.
Peppermint					1,597	1,621	Ind., Oreg.
Peppers, green	4,440	4,540	3,559	4,201	4,682	4,341	Fla., N. J.
Pimientos		518	636	627	714	605	Ga., Calif.
Potatoes, early Irish	41,544	54,190	59,902	30,197	44,387	47,732	Va., N. J.
Spinach	7,898	8,091	7,628	8,399	8,609	6,924	Tex., Va.
Strawberries	40,623	48,231	48,268	44,604	43,690	38,648	La., Fla.
Tomatoes	65,080	43,801	45,390	42,733	54,351	54,847	Calif., Ind.
Watermelons	13,360	10,156	10,721	10,868	12,195	8,741	Fla., Ga.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 665.—COTTON AND COTTONSEED: AREA, PRODUCTION, AND FARM VALUE, BY STATES

NOTE.—Cotton production excludes linters. Figures for production of cotton and cottonseed 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 arithmetic averages of the figures for the individual years. Tons are of 2,000 pounds

Yearly average or year	Cotton					Cottonseed			Total farm value
	Acres	Bales (500 pounds gross)	Farm value	Yield per acre	Farm price per pound [1]	Quantity	Farm value	Farm price per ton [1]	
	Thousands	*Thousands*	*1,000 dollars*	*Pounds*	*Cents*	*1,000 short tons*	*1,000 dollars*	*Dollars*	*1,000 dollars*
United States:									
1911–1915	35,132	14,176	723,226	192	10.4	6,317	131,766	21.54	860,992
1916–1920	34,856	11,931	1,466,638	163	24.8	5,312	282,521	54.15	1,749,159
1921–1925	37,616	11,516	1,270,720	144	22.2	5,114	174,412	34.31	1,451,132
1924	41,300	13,628	1,561,028	157	22.9	6,051	206,190	34.08	1,767,218
1925	40,053	10,104	1,577,394	107	19.5	7,150	220,381	30.82	1,797,775
1926	47,087	17,977	1,121,220	183	12.5	7,089	172,134	21.55	1,293,354
1927	40,138	12,955	1,308,074	155	20.2	5,759	206,827	35.94	1,514,901
1928	45,341	14,478	1,302,110	153	18.0	6,435	226,870	35.26	1,528,980
1929	45,793	14,828	1,245,083	155	16.8	6,590	200,533	30.43	1,445,616
1930 (prel.)	45,091	13,932	656,381	148	9.4	6,185	134,132	21.69	790,513
Alabama:									
1911–1915	3,771	1,465	75,036	184	10.4	651	13,912	22.52	88,948
1916–1920	2,684	946	82,167	117	24.9	256	16,778	58.28	98,945
1921–1925	2,929	867	95,550	139	22.5	385	13,610	36.17	109,160
1924	3,055	985	113,661	154	23.1	438	15,825	36.13	129,486
1925	3,504	1,357	132,501	185	19.5	602	19,077	31.69	151,578
1926	3,651	1,498	94,664	196	12.6	665	15,042	22.62	109,706
1927	3,166	1,191	117,310	180	19.7	529	19,409	36.69	136,719
1928	3,534	1,100	100,050	150	18.0	432	18,253	37.19	118,303
1929	3,690	1,342	111,046	174	16.6	596	18,052	30.30	129,105
1930 (prel.)	3,770	1,473	67,022	187	9.1	655	13,604	20.77	80,626
Arizona:									
1917–1920	118	60		265		27			
1921–1925	132	79	[2] 13,108	278	[2] 26.5	35	[2] 1,158	[2] 27.33	[2] 14,266
1924	180	108	13,558	285	25.1	48	1,543	32.15	15,101
1925	162	119	13,391	350	22.5	53	1,465	27.64	14,856
1926	167	122	8,332	349	13.7	54	1,034	19.15	9,366
1927	139	91	10,508	315	23.1	41	1,220	29.76	11,728
1928	200	149	17,272	357	23.2	66	1,975	29.92	19,247
1929	226	153	16,657	324	21.8	68	1,738	25.56	18,395
1930 (prel.)	215	155	9,378	346	12.1	69	1,297	18.80	10,675
Arkansas:									
1911–1915	2,301	927	47,636	192	10.4	412	8,339	20.77	56,095
1916–1920	2,807	1,039	122,753	177	24.5	462	23,573	52.74	146,326
1921–1925	3,008	1,025	108,174	161	22.0	455	14,284	32.93	122,458
1924	3,094	1,094	126,202	169	23.1	486	16,626	34.21	142,828
1925	3,738	1,600	135,424	205	16.9	711	17,796	25.03	153,220
1926	3,790	1,548	87,450	195	11.3	688	13,574	19.73	101,024
1927	3,048	1,000	101,720	157	20.3	444	15,913	35.84	117,633
1928	3,681	1,246	112,884	162	18.1	554	20,027	36.15	132,911
1929	3,858	1,435	120,752	178	16.8	638	19,370	30.36	140,122
1930 (prel.)	3,308	874	39,767	107	9.1	388	8,164	21.04	47,931
California:									
1911–1915	24	24		444					
1916–1920	102	60		289		[3] 29			
1921–1925	101	62	7,222	271	23.2	28	[2] 1,225	[2] 31.96	[2] 11,165
1924	130	77	9,274	284	23.8	35	1,139	32.54	10,413
1925	169	122	12,060	340	19.8	54	1,827	33.84	13,887
1926	162	131	9,006	387	13.8	58	1,346	23.20	10,352
1927	128	91	9,066	340	20.0	40	1,304	32.60	10,370
1928	218	172	16,278	378	18.9	76	2,345	30.86	18,623
1929	309	260	22,416	402	17.2	115	3,091	26.88	25,507
1930 (prel.)	270	204	12,936	468	9.8	117	2,541	21.72	15,477
Florida:									
1911–1915	227	65	4,442	138	14.0	35	681	20.13	5,123
1916–1920	149	28	4,836	90	32.9	17	940	55.05	5,776
1921–1925	102	22	2,368	106	22.1	10	337	34.43	2,705
1924	80	22	2,584	130	23.5	10	357	35.67	2,941
1925	101	38	4,041	180	21.3	17	537	31.60	4,579
1926	105	32	2,058	145	12.9	14	338	24.12	2,396
1927	64	17	1,668	126	19.6	8	269	33.65	1,937
1928	95	19	1,672	97	17.6	9	294	32.67	1,966
1929	94	23	2,466	145	17.0	13	367	28.20	2,833
1930 (prel.)	120	50	2,375	200	9.5	22	461	20.95	2,836

[1] Annual weighted average price.
[2] Three-year average.
[3] Four-year average.

No. 665.—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 [1]	Quantity	Farm value	Farm price per ton [1]	
	Thousands	*Thousands*	*1,000 dollars*	*Pounds*	*Cents*	*1,000 short tons*	*1,000 dollars*	*Dollars*	*1,000 dollars*
Georgia:									
1911–1915	5,283	2,208	118,862	207	10.6	1,032	22,962	22.97	141,824
1916–1920	5,187	1,780	231,237	164	25.6	797	47,878	58.53	279,115
1921–1925	3,529	851	95,114	117	22.9	378	14,002	37.92	109,116
1924	3,046	1,002	115,011	157	23.0	445	16,518	37.12	131,529
1925	3,589	1,164	120,384	155	20.7	516	17,590	34.09	137,974
1926	3,965	1,496	96,370	180	12.9	664	16,182	24.37	112,552
1927	3,413	1,100	109,120	154	19.8	488	18,505	37.92	127,625
1928	3,728	1,030	93,830	132	18.2	457	16,932	37.05	110,762
1929	3,753	1,343	111,750	171	16.6	500	16,557	27.78	128,307
1930 (prel.)	3,863	1,593	77,200	197	9.7	707	15,165	21.45	92,425
Louisiana:									
1911–1915	1,107	393	20,568	173	10.3	177	3,550	20.45	24,118
1916–1920	1,477	471	58,290	153	24.9	209	11,472	53.46	69,762
1921–1925	1,441	479	50,742	152	21.5	212	6,703	32.02	57,445
1924	1,616	493	54,354	145	22.0	214	6,844	31.25	61,198
1925	1,874	910	87,714	232	19.3	404	11,874	29.39	99,588
1926	1,979	829	51,696	200	12.5	368	7,441	20.22	59,137
1927	1,542	548	54,648	170	19.9	243	8,187	33.69	62,835
1928	1,990	691	61,392	166	17.8	307	9,968	32.47	71,360
1929	2,114	809	66,524	183	16.4	359	10,766	29.99	77,290
1930 (prel.)	2,110	715	33,248	162	9.3	317	6,346	20.02	39,594
Mississippi:									
1911–1915	3,017	1,152	60,857	182	10.6	512	11,212	22.38	72,069
1916–1920	2,967	960	123,077	154	25.1	426	23,657	54.50	146,734
1921–1925	3,052	1,099	123,306	169	23.2	488	16,464	35.22	139,770
1924	2,981	1,039	128,385	176	23.4	487	17,688	36.32	146,073
1925	3,466	1,991	208,628	275	21.0	884	26,821	30.34	235,449
1926	3,752	1,888	123,826	241	13.1	838	20,581	24.56	144,407
1927	3,340	1,355	142,990	194	21.1	662	22,376	37.17	165,366
1928	4,029	1,475	135,011	175	18.3	655	24,857	37.95	159,868
1929	4,166	1,915	163,246	220	17.0	851	27,717	32.57	190,963
1930 (prel.)	4,243	1,404	71,004	165	9.7	650	14,378	22.12	85,382
Missouri:									
1911–1915	117	70	3,345	283	9.8	31	721	23.95	4,066
1916–1920	139	66	7,544	229	23.4	29	1,554	54.84	9,098
1921–1925	334	168	16,375	263	19.5	75	2,774	38.16	19,149
1924	493	193	22,567	185	23.4	86	3,440	40.00	26,007
1925	520	299	19,596	275	13.0	133	4,043	30.40	23,639
1926	434	218	10,503	240	9.6	97	1,919	19.78	12,422
1927	201	115	11,523	188	20.0	51	1,846	36.20	13,369
1928	334	147	12,988	210	17.7	65	2,015	31.00	15,003
1929	341	220	18,158	308	16.5	98	3,085	31.48	21,243
1930 (prel.)	369	151	6,418	195	8.5	67	1,374	20.50	7,792
New Mexico:									
1924–25	104	62	6,606	282	21.6	28	857	31.22	7,463
1924	101	57	6,614	266	23.2	25	798	31.92	7,412
1925	107	66	6,597	298	20.0	30	916	30.52	7,513
1926	120	75	4,571	299	12.2	33	676	20.50	5,247
1927	95	70	7,279	352	20.8	31	936	30.18	8,215
1928	117	88	8,330	360	18.9	39	1,255	32.10	9,585
1929	130	90	7,819	333	17.4	40	1,072	26.70	8,891
1930 (prel.)	127	99	5,000	375	10.1	44	874	19.86	5,874
North Carolina:									
1911–1915	1,511	873	45,256	274	10.5	386	9,231	24.69	54,487
1916–1920	1,529	786	96,628	244	24.6	348	19,934	58.37	116,562
1921–1925	1,746	915	103,869	252	22.5	406	15,546	38.20	119,415
1924	2,005	825	93,150	196	22.6	366	13,670	37.35	106,820
1925	2,017	1,102	108,228	261	19.6	488	16,885	34.60	125,113
1926	1,985	1,213	76,510	292	12.6	538	13,213	24.56	89,723
1927	1,728	861	85,714	238	19.9	382	14,569	38.14	100,283
1928	1,860	836	77,282	215	18.5	371	14,387	38.78	91,669
1929	1,878	747	62,127	190	16.6	331	9,503	28.71	71,630
1930 (prel.)	1,643	775	37,200	225	9.6	343	7,556	22.03	44,756

[1] Annual weighted average price.

No. 665.—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 [1]	Quantity	Farm value	Farm price per ton [1]	
	Thousands	*Thousands*	*1,000 dollars*	*Pounds*	*Cents*	*1,000 short tons*	*1,000 dollars*	*Dollars*	*1,000 dollars*
Oklahoma:									
1911–1915	2,693	957	46,109	170	9.9	425	7,835	19.71	53,944
1916–1920	2,703	942	107,207	167	23.6	419	19,417	49.64	126,624
1921–1925	3,479	993	106,270	129	21.5	441	13,708	31.28	119,978
1924	3,861	1,511	168,680	187	22.3	671	21,499	32.04	190,179
1925	5,214	1,691	163,412	155	19.3	751	21,456	28.57	184,868
1926	4,676	1,773	100,248	181	11.3	788	13,104	16.63	113,352
1927	3,601	1,037	106,089	138	20.5	461	16,803	36.45	122,892
1928	4,243	1,205	105,184	136	17.5	536	18,085	33.74	123,269
1929	4,275	1,143	91,970	128	16.1	508	15,692	30.89	107,662
1930 (prel.)	3,997	854	37,149	102	8.7	379	8,626	22.76	45,775
South Carolina:									
1911–1915	2,732	1,375	71,829	239	10.6	611	14,319	24.15	86,148
1916–1920	2,883	1,358	173,762	224	25.3	603	34,800	58.61	208,562
1921–1925	2,301	743	83,735	154	22.7	329	12,551	38.60	96,286
1924	2,404	807	92,140	160	22.8	357	13,155	36.85	105,295
1925	2,654	889	89,426	160	20.1	394	13,384	33.97	102,810
1926	2,648	1,008	67,424	182	13.4	447	11,175	25.00	78,599
1927	2,356	730	73,856	148	20.2	324	12,893	39.81	86,754
1928	2,361	726	66,614	147	18.4	322	12,513	38.86	79,127
1929	2,216	830	60,584	179	16.8	368	10,138	27.55	70,722
1930 (prel.)	2,173	1,001	48,548	220	9.7	444	9,417	21.21	57,965
Tennessee:									
1911–1915	834	359	18,485	205	10.5	160	3,658	23.55	22,143
1916–1920	854	318	37,500	178	24.1	141	7,606	54.60	45,106
1921–1925	992	358	37,880	178	22.0	159	5,556	36.26	43,436
1924	996	354	40,407	170	22.8	157	5,831	37.14	46,238
1925	1,173	515	45,284	210	17.6	229	6,396	27.93	51,680
1926	1,143	451	26,696	188	11.8	200	4,152	20.76	30,848
1927	965	359	35,169	178	19.6	159	5,797	36.46	40,966
1928	1,107	428	38,308	185	17.9	190	7,127	37.51	45,435
1929	1,136	515	43,098	217	16.7	229	6,991	30.53	50,089
930 (prel.)	1,225	377	16,965	147	9.0	167	3,479	20.83	20,444
Texas:									
1911–1915	11,464	4,180	213,915	175	10.3	1,860	34,702	19.27	248,617
1916–1920	11,220	3,398	404,422	144	24.8	1,512	71,719	50.04	476,141
1921–1925	14,310	3,774	426,321	125	22.0	1,677	55,523	32.56	481,844
1924	17,175	4,949	568,636	138	23.0	2,197	70,370	32.03	639,006
1925	17,608	4,163	423,150	113	20.3	1,849	59,113	31.97	482,263
1926	18,374	5,628	357,933	147	12.7	2,506	51,523	20.56	409,461
1927	16,176	4,352	437,662	129	20.1	1,938	66,241	34.18	503,903
1928	17,743	5,106	460,428	138	17.6	2,274	75,952	33.40	536,380
1929	17,500	3,940	332,714	108	16.9	1,755	55,634	31.70	388,348
1930 (prel.)	16,950	4,038	189,786	114	9.4	1,794	40,365	22.50	230,151
Virginia:									
1911–1915	43	24	1,262	262	10.8	10	[3] 294	[3] 30.63	[3] 1,501
1916–1920	44	23	2,829	249	24.7	10	571	57.34	3,400
1921–1925	73	37	4,388	243	22.6	16	649	39.30	5,037
1924	102	39	4,428	180	22.7	17	683	40.20	5,111
1925	100	53	5,306	250	20.0	23	831	36.14	6,137
1926	93	51	2,932	264	11.5	23	661	28.72	3,593
1927	64	31	3,044	230	19.6	14	553	39.50	3,597
1928	79	44	3,956	265	18.0	19	779	41.00	4,735
1929	88	48	4,002	258	16.7	21	631	30.06	4,633
1930 (prel.)	89	42	2,016	225	9.6	19	420	22.12	2,436
Other States:									
1924	41	14	1,374	164	----------	6	204	----------	1,578
1925	57	26	2,253	214	----------	12	370	----------	2,623
1926	43	17	908	188	----------	8	172	----------	1,080
1927	22	7	706	160	----------	4	144	----------	850
1928	22	7	630	152	----------	3	106	----------	736
1929	19	9	756	227	----------	4	122	----------	878
1930 (prel.)	19	7	300	173	----------	3	65	----------	374

[1] Annual weighted average price.
[3] 4-year average.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 666.—CORN: AREA, PRODUCTION

NOTE.—Weight of a

Division and State	Acres					Yield per acre				
	1924–1928, average	1927	1928	1929	1930 (preliminary)	1924–1928, average	1927	1928	1929	1930 (preliminary)
	Thousands	*Thousands*	*Thousands*	*Thousands*	*Thousands*	*Bushels*	*Bushels*	*Bushels*	*Bushels*	*Bushels*
United States	100,169	98,393	100,673	97,856	100,329	27.0	28.1	28.0	26.7	20.6
New England	217	224	217	195	193	43.6	39.1	42.4	41.1	43.3
Maine	13	14	13	13	13	40.0	37.0	40.0	40.0	42.0
New Hampshire	14	15	14	13	13	44.4	41.0	40.0	41.0	45.0
Vermont	83	84	80	67	64	44.2	39.0	44.0	41.0	43.0
Massachusetts	44	46	45	40	39	44.4	41.0	42.0	39.0	46.0
Rhode Island	9	10	10	9	9	40.6	38.0	39.0	42.0	42.0
Connecticut	54	55	55	53	54	43.0	38.0	42.0	43.0	42.0
Middle Atlantic	2,192	2,112	2,114	2,158	2,154	39.4	37.8	37.4	34.2	25.6
New York	670	663	650	670	657	34.6	34.0	34.0	31.1	30.0
New Jersey	188	179	181	179	175	42.1	40.0	38.5	36.0	36.0
Pennsylvania	1,334	1,270	1,283	1,309	1,322	41.4	39.5	39.0	35.5	22.0
East North Central	20,857	19,568	21,281	19,881	20,453	35.6	30.8	37.6	34.4	28.6
Ohio	3,557	3,376	3,640	3,518	3,483	37.0	32.5	37.5	36.5	25.5
Indiana	4,496	4,205	4,483	4,124	4,206	34.8	31.5	35.2	32.0	26.2
Illinois	9,117	8,469	9,570	8,900	9,345	35.7	30.0	38.4	35.0	25.5
Michigan	1,545	1,418	1,461	1,344	1,384	32.7	27.5	33.5	24.5	20.5
Wisconsin	2,142	2,100	2,121	1,995	2,035	36.3	32.5	42.0	40.0	39.0
West North Central	42,406	41,185	42,538	41,740	42,374	28.3	31.3	30.4	28.2	22.7
Minnesota	4,267	4,172	4,089	4,253	4,360	32.3	30.5	34.0	35.0	31.0
Iowa	11,084	10,901	11,202	10,883	11,100	37.6	35.5	41.5	39.5	32.5
Missouri	6,314	5,796	6,260	5,384	5,922	27.7	29.0	29.0	23.5	12.3
North Dakota	1,068	959	997	1,057	1,089	22.5	25.0	24.5	15.5	17.5
South Dakota	4,609	4,655	4,469	4,916	4,965	21.4	29.0	21.0	22.8	15.5
Nebraska	8,910	8,805	8,937	9,144	9,171	24.1	33.1	23.8	26.0	25.7
Kansas	6,143	5,897	6,634	6,103	6,347	21.3	30.0	27.0	17.5	12.0
South Atlantic	11,059	11,032	10,705	10,579	11,196	18.6	21.0	17.8	20.4	14.9
Delaware	136	135	136	134	138	32.6	35.0	33.0	32.0	20.4
Maryland	536	515	530	520	530	39.3	44.0	36.5	36.5	14.7
Virginia	1,625	1,626	1,626	1,522	1,568	25.5	29.5	27.5	29.0	11.5
West Virginia	473	441	459	441	441	33.0	33.5	36.0	36.0	13.3
North Carolina	2,350	2,352	2,305	2,259	2,530	20.0	22.8	18.5	22.5	20.5
South Carolina	1,516	1,497	1,422	1,422	1,635	13.8	17.0	12.0	16.4	16.5
Georgia	3,840	3,893	3,620	3,656	3,720	12.2	14.0	10.5	13.8	12.2
Florida	582	573	607	625	625	13.7	13.0	13.0	13.5	12.0
East South Central	10,864	10,547	10,359	10,323	10,364	20.2	21.3	17.1	21.9	11.8
Kentucky	3,052	2,885	3,029	2,938	2,909	26.5	26.0	22.0	27.3	10.8
Tennessee	3,044	2,944	2,915	2,944	2,915	22.5	24.0	19.5	25.0	14.1
Alabama	2,794	2,800	2,650	2,676	2,810	13.9	16.0	11.5	14.0	10.5
Mississippi	1,964	1,918	1,765	1,765	1,730	16.2	17.8	14.0	20.0	11.5
West South Central	10,142	11,452	11,016	10,615	10,979	19.6	22.7	23.8	17.2	13.5
Arkansas	2,010	1,925	2,002	1,852	1,788	17.3	19.0	17.0	14.0	4.7
Louisiana	1,201	1,161	1,242	1,180	1,109	16.3	17.5	17.0	18.2	11.0
Oklahoma	2,800	3,177	3,050	3,020	3,141	20.4	26.5	23.0	16.0	11.6
Texas	4,131	5,189	4,722	4,553	4,941	19.3	23.0	21.0	19.0	18.5
Mountain	2,248	2,072	2,190	2,149	2,294	15.1	18.4	15.6	17.2	22.4
Montana	351	305	274	301	271	17.6	23.5	19.0	12.0	12.0
Idaho	68	76	53	54	59	39.9	41.0	46.0	36.0	39.0
Wyoming	178	176	167	157	170	18.2	20.0	18.0	14.0	21.0
Colorado	1,396	1,284	1,438	1,366	1,516	12.1	15.5	13.0	17.0	24.5
New Mexico	196	166	199	209	215	17.7	15.0	17.5	20.0	14.0
Arizona	39	44	39	41	41	26.8	32.0	26.0	28.0	33.0
Utah	18	19	18	19	20	24.8	27.0	29.0	31.0	31.0
Nevada	2	2	2	2	2	23.7	25.0	22.0	28.0	22.0
Pacific	200	201	203	219	223	33.5	34.7	35.2	34.1	32.9
Washington	48	43	46	48	50	35.2	37.0	39.0	38.0	38.0
Oregon	74	81	82	88	83	32.9	36.0	36.0	35.0	33.0
California	78	77	75	82	90	32.8	32.0	32.0	31.0	30.0

Source: Bureau of Agricultural Economics, Department of Agriculture.

AND FARM VALUE, BY STATES

bushel of corn, 56 pounds

Production					Farm value, Dec. 1					Division and State
					Amount				Per bushel, 1930	
1924–1928, average	1927	1928	1929	1930 (preliminary)	1927	1928	1929	1930 (preliminary)		
1,000 bushels	*1,000 bushels*	*1,000 bushels*	*1,000 bushels*	*1,000 bushels*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*Cents*	
2,699,809	2,763,093	2,518,901	2,614,132	2,081,048	1,997,759	2,119,046	2,042,893	1,378,874	66	U. S.
9,460	8,765	9,190	8,017	8,323	9,883	11,128	9,236	8,503	102	New Eng.
510	518	520	520	546	570	598	624	546	100	Me.
638	615	560	533	585	646	672	586	614	105	N. H.
3,668	3,276	3,520	2,747	2,752	3,440	3,872	2,884	2,752	100	Vt.
1,950	1,886	1,890	1,560	1,794	2,263	2,457	2,106	1,794	100	Mass.
373	380	390	378	378	456	520	529	416	110	R. I.
2,321	2,090	2,310	2,279	2,268	2,508	3,003	2,507	2,381	105	Conn.
86,588	79,867	79,105	73,751	55,094	73,376	75,172	74,440	51,354	93	Mid. Atl.
23,197	22,542	22,100	20,837	19,710	21,640	21,879	21,462	17,739	90	N. Y.
7,951	7,160	6,968	6,444	6,300	6,086	6,759	6,508	5,985	95	N. J.
55,440	50,165	50,037	46,470	29,084	45,650	46,534	46,470	27,630	95	Pa.
744,679	603,493	800,041	684,603	545,048	445,421	580,633	517,633	353,461	65	E. N. Cent.
132,495	109,720	136,725	128,407	88,816	84,484	103,911	100,157	59,507	67	Ohio.
156,990	132,458	157,802	131,968	110,197	90,071	108,883	97,656	67,220	61	Ind.
326,691	254,070	367,488	311,500	238,298	180,390	257,242	224,280	147,745	62	Ill.
50,733	38,995	48,944	32,928	28,372	33,146	41,113	29,306	21,846	77	Mich.
77,770	68,250	89,082	79,800	79,365	57,330	69,484	66,234	57,143	72	Wis.
1,198,169	1,309,642	1,125,543	1,178,272	977,249	854,943	870,723	830,192	547,241	56	W. N. Cen.
137,379	127,240	139,026	148,855	135,780	81,437	86,196	96,756	71,963	53	Minn.
417,137	386,086	464,882	429,878	360,750	267,020	311,472	300,915	209,235	58	Iowa.
175,139	168,084	181,540	126,524	72,841	126,063	132,524	108,811	54,631	75	Mo.
23,952	23,975	24,426	10,384	10,058	14,864	149,000	11,141	10,101	53	N. Dak.
93,617	134,995	93,849	112,085	76,958	76,947	58,186	69,493	36,170	47	S. Dak.
214,381	201,446	212,701	237,744	235,695	180,697	151,018	164,043	120,204	51	Nebr.
131,564	176,910	179,118	106,802	76,164	107,915	116,427	79,033	44,937	59	Kans.
205,434	231,152	190,679	216,322	186,340	203,889	192,518	206,929	153,524	92	S. Atl.
4,446	4,725	4,488	4,288	2,815	3,780	3,949	3,773	2,562	91	Del.
21,064	22,660	19,345	18,980	7,791	18,128	17,024	16,702	7,246	93	Md.
41,546	47,907	44,715	44,138	18,032	44,130	44,715	44,138	18,934	105	Va.
15,649	14,774	16,524	15,876	5,865	14,774	17,020	16,829	6,393	109	W. Va.
46,929	53,626	42,642	50,828	51,865	48,800	43,921	50,828	48,234	93	N. C.
20,780	25,449	17,064	23,321	26,978	22,904	18,088	23,088	24,280	90	S. C.
47,049	54,502	38,010	50,453	45,494	44,147	39,910	44,399	39,125	86	Ga.
7,971	7,449	7,891	8,438	7,500	7,226	7,891	7,172	6,750	90	Fla.
220,109	224,606	178,665	226,571	121,919	197,619	179,540	210,244	114,951	94	E. S. Cen.
80,949	75,010	66,638	80,207	31,417	66,009	63,972	72,988	28,904	92	Ky.
68,522	70,656	56,842	73,600	41,102	58,644	56,842	67,712	38,225	93	Tenn.
39,010	44,800	30,475	37,464	20,505	41,216	33,522	36,715	28,325	96	Ala.
31,628	34,140	24,710	35,300	19,895	31,750	25,204	32,829	19,497	98	Miss.
194,784	260,430	224,460	182,271	148,447	177,354	175,866	156,530	109,824	74	W. S. Cen.
34,733	36,575	34,034	26,348	8,404	31,820	30,971	25,821	8,068	96	Ark.
19,516	20,318	21,114	21,476	12,199	18,286	19,847	19,328	11,345	93	La.
57,816	84,190	70,150	48,320	36,486	49,672	47,702	38,173	23,683	65	Okla.
82,719	119,347	99,162	86,127	91,408	77,576	77,346	73,208	66,728	73	Tex.
33,884	38,167	34,072	36,949	51,292	28,411	26,218	30,013	33,722	66	Mountain.
6,003	7,168	5,206	3,612	3,252	5,161	4,269	3,034	2,146	66	Mont.
2,697	3,116	2,438	1,944	2,301	2,555	2,243	1,827	1,611	70	Idaho.
3,253	3,520	2,672	2,198	3,570	2,605	2,004	1,808	2,392	67	Wyo.
16,806	19,902	18,694	23,222	37,142	13,533	12,712	17,416	23,028	62	Colo.
3,500	2,490	3,482	4,180	3,010	2,316	3,099	3,720	2,318	77	N. Mex.
1,048	1,408	1,014	1,148	1,353	1,619	1,268	1,492	1,556	115	Ariz.
440	513	522	589	620	504	574	589	620	100	Utah.
47	50	44	56	44	58	49	67	51	115	Nev.
6,700	6,971	7,146	7,376	7,339	6,863	7,248	7,676	6,294	86	Pacific.
1,684	1,591	1,794	1,824	1,900	1,432	1,776	1,879	1,672	88	Wash.
2,440	2,916	2,952	3,010	2,739	2,770	2,952	2,950	2,273	83	Oreg.
2,576	2,464	2,400	2,542	2,700	2,661	2,520	2,847	2,349	87	Calif.

No. 667.—WHEAT: Area, Production,

Note.—Weight of a

Division and State	Acres					Yield per acre				
	1924–1928, average	1927	1928	1929	1930 (preliminary)	1924–1928, average	1927	1928	1929	1930 (preliminary)
	Thousands	*Thousands*	*Thousands*	*Thousands*	*Thousands*	*Bushels*	*Bushels*	*Bushels*	*Bushels*	*Bushels*
United States	55,663	58,784	58,272	61,484	59,153	15.0	14.9	15.7	13.2	14.4
New England	6	5	5	5	4	21.8	18.4	19.2	22.0	21.5
Maine	5	4	4	4	3	22.4	18.0	20.0	23.0	22.0
Vermont	1	1	1	1	1	19.6	20.0	16.0	18.0	20.0
Middle Atlantic	1,493	1,459	1,484	1,455	1,437	18.3	19.2	15.6	17.8	21.8
New York	306	301	316	281	263	18.3	20.9	14.9	16.0	18.3
New Jersey	58	60	63	55	52	20.9	23.0	20.0	19.0	23.5
Pennsylvania	1,129	1,098	1,105	1,119	1,122	18.1	18.5	15.5	18.0	22.5
East North Central	6,343	6,956	4,336	6,738	6,457	16.6	16.4	13.6	17.1	18.8
Ohio	1,551	1,615	872	1,646	1,613	16.9	18.0	10.9	19.5	17.8
Indiana	1,576	1,790	910	1,631	1,615	15.6	15.5	11.0	17.0	18.0
Illinois	2,202	2,509	1,563	2,451	2,296	15.8	13.9	14.7	14.9	18.3
Michigan	893	897	887	905	824	19.4	21.5	16.0	18.6	23.5
Wisconsin	121	145	104	105	109	21.3	21.7	20.6	20.9	21.4
West North Central	29,280	30,631	31,810	31,990	31,467	13.8	13.2	15.4	11.5	13.4
Minnesota	1,841	1,763	1,532	1,372	1,301	15.1	11.9	15.0	14.4	16.5
Iowa	422	441	452	416	405	19.2	18.7	19.3	19.4	22.1
Missouri	1,559	1,568	1,511	1,730	1,420	12.9	10.0	12.7	10.0	14.0
North Dakota	9,763	10,246	10,810	10,197	9,336	12.5	12.7	14.0	9.5	10.7
South Dakota	2,685	3,037	3,360	3,211	3,420	11.6	14.9	10.4	9.7	11.9
Nebraska	3,223	3,630	3,672	3,548	3,810	16.8	20.3	19.0	15.9	19.2
Kansas	9,797	9,946	10,473	11,516	11,775	13.7	11.2	17.0	12.0	13.5
South Atlantic	2,006	2,133	2,029	2,083	1,827	14.8	13.3	14.2	14.0	17.2
Delaware	101	98	102	107	106	18.7	19.0	18.0	19.0	19.5
Maryland	514	525	530	536	509	18.8	17.5	16.5	17.5	23.0
Virginia	661	687	673	700	644	14.2	12.2	14.5	12.8	15.5
West Virginia	132	135	122	134	134	13.8	13.3	13.0	13.3	17.5
North Carolina	439	463	444	457	343	11.9	10.7	11.6	11.7	12.5
South Carolina	59	80	64	64	42	12.3	11.0	12.5	12.0	12.8
Georgia	100	125	94	85	49	11.0	9.2	11.0	10.0	12.0
East South Central	646	837	554	663	554	11.7	8.6	8.7	10.1	12.5
Kentucky	222	296	125	240	238	12.1	9.5	8.0	11.8	13.8
Tennessee	413	528	422	405	308	11.4	7.0	8.8	9.0	11.5
Alabama	6	7	4	4	4	11.2	10.6	11.0	10.0	10.0
Mississippi	5	6	3	4	4	16.9	17.0	20.0	17.0	17.0
West South Central	5,466	5,586	6,451	6,782	6,144	12.9	9.2	12.7	12.2	10.1
Arkansas	29	28	22	26	27	12.2	11.5	11.5	12.0	13.0
Oklahoma	3,867	3,703	4,413	4,236	3,547	12.8	9.0	13.5	10.5	9.5
Texas	1,570	1,850	2,016	2,520	2,570	13.1	9.7	11.0	15.0	11.0
Mountain	6,663	7,039	7,525	7,591	7,181	17.1	20.6	18.6	13.3	13.6
Montana	3,622	3,850	4,275	4,226	3,913	15.7	20.8	18.2	9.6	8.6
Idaho	1,026	1,171	1,160	1,083	1,027	24.7	27.6	24.8	23.6	27.5
Wyoming	193	226	243	256	247	17.2	18.5	16.0	13.3	14.4
Colorado	1,374	1,419	1,339	1,397	1,459	13.4	14.2	13.9	12.9	14.9
New Mexico	157	55	186	305	206	12.9	10.4	11.0	18.8	9.3
Arizona	41	58	47	42	46	24.2	25.0	27.0	27.0	28.0
Utah	254	242	257	266	268	23.2	23.5	26.7	24.1	20.1
Nevada	16	18	18	16	15	25.9	25.6	26.8	25.2	25.7
Pacific	3,751	4,138	4,078	4,168	4,082	19.8	23.9	21.7	19.3	18.7
Washington	2,112	2,261	2,271	2,430	2,445	20.1	25.8	21.4	18.5	16.4
Oregon	994	1,065	1,027	1,058	1,017	20.4	25.1	22.7	21.8	23.0
California	645	812	780	680	620	18.0	16.8	21.0	18.0	21.0

Source: Bureau of Agricultural Economics, Department of Agriculture.

AND FARM VALUE, BY STATES

bushel of wheat, 60 pounds

Production					Farm value, Dec. 1					Division and State
					Amount				Per bushel, 1930	
1924–1928, average	1927	1928	1929	1930 (preliminary)	1927	1928	1929	1930 (preliminary)		
1,000 bushels	*1,000 bushels*	*1,000 bushels*	*1,000 bushels*	*1,000 bushels*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*Cents*	
833,165	878,374	914,876	809,176	850,965	979,813	887,184	843,030	517,407	61	U. S.
142	92	96	110	86	154	153	160	89	103	New Eng.
114	72	80	92	66	126	132	138	69	105	Me.
28	20	16	18	20	28	21	22	20	100	Vt.
27,264	27,972	23,073	25,671	31,258	35,387	30,064	31,221	25,073	80	Mid. Atl.
5,599	6,291	4,702	4,488	4,800	7,875	6,428	5,565	3,809	79	N. Y.
1,215	1,380	1,200	1,045	1,222	1,725	1,488	1,285	1,063	87	N. J.
20,450	20,301	17,171	20,138	25,236	25,787	22,148	24,371	20,201	80	Pa.
107,193	114,073	58,797	115,353	121,393	139,237	70,936	130,171	87,030	72	E. N. Cen.
27,335	29,068	9,475	32,093	28,716	36,335	12,388	37,227	21,818	76	Ohio.
25,302	27,749	10,040	27,723	29,058	34,406	12,429	31,048	20,630	71	Ind.
34,737	34,844	22,939	36,537	41,952	41,696	25,693	40,493	28,772	69	Ill.
17,232	19,270	14,202	16,810	19,336	23,124	18,164	18,994	14,118	73	Mich.
2,587	3,142	2,141	2,190	2,331	3,076	2,262	2,409	1,692	73	Wis.
399,610	405,591	486,919	368,176	423,126	444,057	442,117	366,760	230,431	54	W. N. Cen.
27,366	20,925	22,964	19,723	21,525	22,949	21,990	20,804	12,307	57	Minn.
8,096	8,236	8,723	8,076	8,037	9,623	8,730	8,554	5,797	65	Iowa.
20,054	15,700	19,194	17,300	19,880	19,146	23,188	19,546	14,699	74	Mo.
121,692	130,191	155,358	97,262	99,807	133,745	125,926	94,920	51,038	51	N. Dak.
31,783	45,386	34,928	31,200	40,840	47,990	20,641	29,001	18,929	46	S. Dak.
55,300	73,826	69,919	56,555	73,275	80,352	65,498	55,902	38,056	53	Nebr.
135,319	111,327	177,833	138,060	153,862	130,252	167,144	138,053	88,945	56	Kans.
29,756	28,425	28,909	29,120	31,515	38,135	39,590	37,005	28,874	92	S. Atl.
1,885	1,862	1,836	2,033	2,007	2,328	2,295	2,358	1,612	78	Del.
9,038	9,188	8,745	9,380	11,707	11,669	11,106	11,068	9,014	77	Md.
9,373	8,381	9,758	8,960	9,982	11,063	13,173	11,200	9,683	97	Va.
1,826	1,796	1,586	1,782	2,345	2,461	2,173	2,370	2,302	102	W. Va.
5,211	5,168	5,150	5,347	4,288	7,494	7,328	7,539	4,674	109	N. C.
723	880	800	768	538	1,338	1,288	1,152	705	131	S. C.
1,101	1,150	1,034	850	588	1,782	1,727	1,318	794	135	Ga.
7,554	6,684	4,818	6,585	6,934	9,186	6,842	8,532	6,676	96	E. S. Cen.
2,773	2,812	1,900	2,832	3,284	3,796	1,380	3,568	2,988	91	Ky.
4,635	3,696	3,714	3,645	3,542	5,137	5,311	4,811	3,542	100	Tenn.
70	74	44	40	40	115	69	61	54	135	Ala.
76	102	60	68	68	138	88	92	92	135	Miss.
71,860	51,639	82,005	82,590	62,317	62,161	84,279	84,125	40,014	64	W. S. Cen.
350	322	253	312	351	402	309	402	344	98	Ark.
50,566	33,372	59,576	44,478	33,696	40,046	59,576	44,033	19,881	59	Okla.
20,944	17,945	22,176	37,800	28,270	21,713	24,394	39,690	19,789	70	Tex.
114,554	145,038	139,917	101,307	97,860	142,431	121,172	96,892	51,911	53	Mountain.
57,954	80,208	77,998	40,688	33,698	77,089	65,036	38,741	16,332	48	Mont.
25,580	32,374	28,792	25,515	28,223	31,570	25,913	24,353	14,676	52	Idaho.
3,332	4,186	3,807	3,409	3,565	3,953	3,229	3,034	1,762	49	Wyo.
18,395	20,112	18,564	18,012	21,780	20,818	15,815	16,691	11,595	53	Colo.
2,364	570	2,054	5,742	1,921	676	2,201	5,495	1,181	61	N. Mex.
1,015	1,450	1,269	1,134	1,288	1,958	1,650	1,331	1,352	105	Ariz.
5,490	5,678	6,801	6,403	6,999	5,702	6,738	6,527	4,610	66	Utah.
424	460	482	404	386	575	590	520	403	104	Nev.
75,230	98,860	88,342	80,264	76,476	103,065	92,031	88,144	47,309	62	Pacific.
42,922	58,436	48,644	44,910	40,065	62,971	48,020	47,902	22,627	56	Wash.
20,478	20,782	23,318	23,114	23,391	29,996	24,083	25,554	13,615	58	Oreg.
11,830	13,642	16,380	12,240	13,020	16,098	19,328	14,688	11,067	85	Calif.

No. 668.—OATS: AREA, PRODUCTION,

NOTE.—Weight of a

Division and State	Acres					Yield per acre				
	1924-1928, average	1927	1928	1929	1930 (preliminary)	1924-1928, average	1927	1928	1929	1930 (preliminary)
	Thousands	*Thousands*	*Thousands*	*Thousands*	*Thousands*	*Bushels*	*Bushels*	*Bushels*	*Bushels*	*Bushels*
United States	42,967	41,941	41,734	40,043	41,598	32.0	28.2	34.5	30.7	33.7
New England	244	243	233	129	221	37.7	37.4	34.2	38.4	39.8
Maine	128	124	120	122	122	38.6	37.0	35.0	40.0	41.0
New Hampshire	11	11	10	9	8	39.2	39.0	39.0	40.0	44.0
Vermont	81	83	79	67	68	37.8	39.0	34.0	37.0	39.0
Massachusetts	8	8	7	7	8	34.6	35.0	32.0	38.0	38.0
Rhode Island	2	2	2	2	2	31.0	32.0	28.0	30.0	35.0
Connecticut	14	15	15	12	13	30.6	32.0	27.0	30.0	32.0
Middle Atlantic	2,196	2,149	2,137	2,033	2,194	34.5	35.5	32.7	27.3	39.7
New York	999	1,000	1,020	979	1,077	34.8	35.0	33.0	24.9	42.0
New Jersey	49	49	50	40	42	31.8	36.0	30.0	30.0	37.0
Pennsylvania	1,088	1,100	1,067	1,014	1,075	34.3	36.0	32.5	29.5	37.5
East North Central	12,703	11,895	13,620	11,657	12,225	35.1	30.2	38.2	31.9	36.0
Ohio	1,979	1,900	2,413	1,689	1,790	37.9	32.0	37.0	29.5	36.0
Indiana	2,088	1,948	2,430	1,895	1,914	31.4	25.0	37.0	28.5	30.0
Illinois	4,509	4,008	4,649	4,231	4,569	32.2	25.5	37.5	33.5	33.5
Michigan	1,590	1,617	1,633	1,372	1,483	34.6	33.5	35.8	20.8	38.0
Wisconsin	2,537	2,422	2,495	2,470	2,470	41.6	38.5	43.5	34.5	44.0
West North Central	20,982	20,333	19,619	19,556	20,208	31.3	27.3	34.1	31.5	33.9
Minnesota	4,466	4,350	4,089	4,212	4,338	35.6	26.8	37.5	36.5	39.5
Iowa	6,060	6,001	6,004	5,997	6,145	36.5	32.0	38.5	36.0	39.0
Missouri	1,790	1,565	1,706	1,535	1,781	23.2	17.0	28.0	22.0	27.5
North Dakota	2,211	2,125	1,934	1,876	1,838	26.1	21.5	31.0	18.0	21.0
South Dakota	2,479	2,550	2,193	2,259	2,236	27.8	29.3	27.0	28.5	29.0
Nebraska	2,505	2,441	2,392	2,480	2,485	27.5	28.6	33.0	34.8	32.2
Kansas	1,462	1,301	1,301	1,197	1,385	24.4	23.5	29.0	23.5	30.4
South Atlantic	1,406	1,633	1,248	1,535	1,535	22.2	22.4	23.7	24.7	22.7
Delaware	4	4	4	3	4	28.4	29.0	30.0	28.0	30.0
Maryland	52	51	54	47	49	32.8	33.5	31.5	31.0	32.5
Virginia	185	186	182	167	200	23.6	21.5	25.5	23.0	19.0
West Virginia	193	217	204	216	216	23.2	24.2	23.0	26.0	20.5
North Carolina	258	273	191	258	286	20.4	21.0	22.0	24.0	22.8
South Carolina	388	449	337	408	408	21.9	23.0	23.0	27.0	24.5
Georgia	374	442	266	424	360	19.9	21.0	20.0	22.5	23.0
Florida	12	11	11	12	12	14.5	11.0	17.4	14.0	15.0
East South Central	625	543	604	661	577	21.2	18.1	23.2	20.1	17.9
Kentucky	252	215	305	290	218	22.7	19.0	26.0	21.5	16.0
Tennessee	208	179	188	197	217	21.3	17.0	21.5	18.0	20.0
Alabama	107	101	70	119	109	17.8	17.5	17.5	19.5	17.5
Mississippi	58	48	41	55	33	19.2	19.0	20.0	22.0	18.0
West South Central	2,980	3,357	2,491	2,568	2,851	25.5	20.2	25.4	27.2	27.4
Arkansas	228	207	155	186	195	19.6	20.0	22.0	26.0	25.0
Louisiana	33	35	44	48	41	21.9	17.5	24.5	25.0	20.0
Oklahoma	1,136	1,112	890	792	919	24.2	19.0	26.0	26.0	28.0
Texas	1,583	2,003	1,402	1,542	1,696	27.1	21.0	25.5	28.0	27.5
Mountain	1,178	1,148	1,123	1,174	1,131	32.2	38.2	35.1	25.4	26.5
Montana	589	596	554	554	526	30.9	40.0	36.5	17.0	17.5
Idaho	145	143	137	151	143	43.8	47.0	47.0	40.0	43.0
Wyoming	126	120	132	139	126	33.0	36.0	29.0	26.0	27.0
Colorado	205	189	193	212	212	27.2	29.0	31.0	31.0	33.5
New Mexico	42	30	36	43	47	22.0	22.0	20.0	27.0	21.0
Arizona	14	17	14	15	20	33.4	36.0	38.0	32.0	35.0
Utah	55	51	55	58	55	41.4	42.0	45.0	42.0	42.0
Nevada	2	2	2	2	2	36.4	40.0	40.0	35.0	36.0
Pacific	651	640	659	640	658	35.5	37.3	39.0	40.4	41.8
Washington	208	183	201	191	210	44.5	50.0	47.0	47.0	48.0
Oregon	304	310	304	304	289	32.0	34.0	36.0	41.0	41.0
California	139	147	154	145	157	29.7	28.5	34.5	30.6	35.0

Source: Bureau of Agricultural Economics, Department of Agriculture.

AND FARM VALUE BY STATES

bushel of oats, 32 pounds

Production					Farm value, Dec. 1					Division and State
					Amount					
1924–1928, average	1927	1928	1929	1930 (preliminary)	1927	1928	1929	1930 (preliminary)	Per bushel, 1930	
1,000 bushels	*1,000 bushels*	*1,000 bushels*	*1,000 bushels*	*1,000 bushels*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*Cents*	
1,371,786	1,182,594	1,439,407	1,228,369	1,402,026	531,762	589,048	533,807	453,973	32	U. S.
9,264	9,078	7,961	8,405	8,796	6,099	5,554	5,762	4,622	53	New Eng.
4,956	4,588	4,200	4,880	5,002	3,120	2,940	3,416	2,601	52	Me.
431	429	390	350	352	300	254	252	190	54	N. H.
3,080	3,237	2,686	2,479	2,652	2,104	1,880	1,611	1,406	53	Vt.
285	280	224	266	304	196	157	186	158	52	Mass.
68	64	56	60	70	48	39	45	38	55	R. I.
434	480	405	360	416	331	284	252	229	55	Conn.
73,617	76,364	69,838	55,490	87,100	41,569	37,350	31,873	39,998	46	Mid. Atl.
34,738	35,000	33,660	24,377	45,234	19,250	18,176	14,139	19,903	44	N. Y.
1,571	1,764	1,500	1,200	1,554	935	795	684	746	48	N. J.
37,308	39,600	34,678	29,913	40,312	21,384	18,379	17,050	19,350	48	Pa.
446,984	369,121	520,522	371,673	439,918	162,977	208,320	157,840	133,179	32	E. N. C.
74,784	60,800	89,281	49,826	64,440	27,360	37,493	22,422	22,554	35	Ohio.
65,870	48,700	89,910	54,008	57,420	20,941	33,267	21,603	17,226	30	Ind.
145,686	102,204	174,338	141,738	153,062	43,948	66,248	56,095	44,388	29	Ill.
54,991	54,170	58,461	40,886	56,316	26,002	25,138	19,625	19,147	34	Mich
105,653	93,247	108,532	85,215	108,680	43,827	46,669	37,495	35,864	33	Wis.
657,196	556,007	668,090	616,103	685,547	224,360	242,626	235,440	187,520	27	W. N. C.
159,332	116,580	153,338	153,738	171,351	46,632	53,668	56,883	42,338	25	Minn.
221,765	192,032	231,164	215,892	239,655	80,653	85,627	84,198	67,103	28	Iowa.
41,716	20,605	47,768	33,770	48,978	12,504	20,063	15,872	19,101	39	Mo.
58,510	45,088	59,954	33,768	38,598	15,991	17,986	10,806	7,720	20	N. Dak.
71,671	74,715	59,211	64,382	64,844	26,897	19,540	21,890	13,617	21	S. Dak.
68,797	69,813	78,936	86,304	80,017	27,925	29,996	32,796	22,405	28	Nebr.
35,405	30,574	37,729	28,249	42,104	13,753	15,846	12,995	14,736	35	Kans.
32,608	36,537	29,618	37,914	34,917	25,853	22,366	28,314	23,801	68	S. Atl.
114	116	120	84	120	79	72	48	60	50	Del.
1,701	1,708	1,701	1,457	1,592	922	953	860	748	47	Md.
4,367	3,990	4,641	3,841	3,800	2,559	2,970	2,573	2,280	60	Va.
5,087	5,251	5,712	5,616	4,428	3,361	3,599	3,594	2,613	59	W. Va.
5,260	5,733	4,202	6,192	6,521	4,128	3,278	4,644	4,434	68	N. C.
8,553	10,327	7,751	11,016	9,996	7,745	6,821	8,813	7,397	74	S. C.
7,358	9,282	5,300	9,540	8,280	6,962	4,505	7,632	6,127	74	Ga.
168	121	191	168	180	97	168	150	142	79	Fla.
13,293	9,808	14,017	13,311	10,330	6,153	8,479	8,561	5,774	56	E. S. C.
5,800	4,085	7,930	6,235	3,488	2,451	4,520	3,679	1,849	53	Ky.
4,513	3,043	4,042	3,546	4,340	1,826	2,425	2,199	2,300	53	Tenn.
1,890	1,768	1,225	2,320	1,908	1,238	919	1,763	1,221	64	Ala.
1,090	912	820	1,210	594	638	615	920	404	68	Miss.
77,604	67,943	63,379	69,804	78,087	31,871	31,822	35,742	32,363	41	W. S. C.
4,404	4,140	3,410	4,836	4,875	2,401	2,012	2,998	2,535	52	Ark.
724	612	1,078	1,200	820	404	701	840	451	55	La.
27,602	21,128	23,140	20,592	25,732	9,296	10,876	9,884	9,778	38	Okla
44,874	42,063	35,751	43,176	46,640	19,770	18,233	22,020	19,589	42	Tex.
37,942	43,856	40,278	29,791	29,927	20,430	18,086	15,292	10,586	35	Mountain.
18,113	23,840	20,221	9,418	9,205	10,490	8,291	4,803	2,854	31	Mont.
6,366	6,721	6,439	6,040	6,149	3,360	3,091	2,899	1,968	32	Idaho.
4,158	4,320	3,828	3,614	3,402	1,814	1,723	1,843	1,225	36	Wyo.
5,544	5,481	5,983	6,572	7,102	2,631	2,692	3,155	2,557	36	Colo.
946	660	720	1,161	987	370	432	697	543	55	N. Mex.
462	612	532	480	700	428	399	384	455	65	Ariz.
2,280	2,142	2,475	2,490	2,310	1,285	1,386	1,462	947	41	Utah.
73	80	80	70	72	52	52	49	37	52	Nev.
23,288	23,880	25,704	25,878	27,424	13,350	13,965	14,983	10,139	37	Pacific.
9,272	9,150	9,447	8,977	10,080	5,124	5,196	5,296	3,629	36	Wash.
9,740	10,540	10,944	12,464	11,849	5,586	5,581	6,980	4,147	35	Oreg.
4,276	4,190	5,313	4,437	5,495	2,640	3,188	2,707	2,363	43	Calif.

No. 669.—BARLEY: AREA, PRODUCTION,

NOTE.—Weight of a

Division and State	Acres					Yield per acre				
	1924-1928, average	1927	1928	1929	1930 (preliminary)	1924-1928, average	1927	1928	1929	1930 (preliminary)
	Thousands	*Thousands*	*Thousands*	*Thousands*	*Thousands*	*Bushels*	*Bushels*	*Bushels*	*Bushels*	*Bushels*
United States	8,993	9,476	12,598	13,068	12,437	26.5	28.1	28.4	23.2	26.2
New England	10	10	10	9	8	29.3	28.2	26.2	30.4	31.5
Maine	4	4	4	4	3	29.2	27.0	28.0	31.0	34.0
Vermont	6	6	6	5	5	29.4	29.0	25.0	30.0	30.0
Middle Atlantic	186	211	200	192	192	28.7	29.0	27.5	22.6	31.4
New York	166	188	169	155	144	28.9	29.0	27.5	22.1	32.0
New Jersey	1	2	2	1	1	31.2	37.0	30.0	22.0	33.0
Pennsylvania	19	21	29	36	47	26.8	28.0	27.0	24.5	29.5
East North Central	1,285	1,449	2,086	1,541	1,445	31.9	31.1	31.7	28.4	33.1
Ohio	154	155	333	103	122	30.1	27.0	27.6	23.5	27.5
Indiana	38	35	78	36	38	23.8	23.8	23.0	22.0	25.0
Illinois	382	453	680	456	337	31.0	29.5	29.5	26.5	30.0
Michigan	167	186	270	243	245	28.2	28.5	30.0	23.0	30.0
Wisconsin	544	620	725	703	703	35.0	34.5	37.1	32.5	37.0
West North Central	5,220	5,482	7,737	8,539	8,017	24.8	27.3	27.2	21.1	23.7
Minnesota	1,356	1,460	2,000	2,200	1,980	29.4	30.0	30.0	27.0	28.2
Iowa	307	454	802	502	527	31.4	31.4	33.5	29.0	31.0
Missouri	8	7	13	14	15	25.0	23.0	22.0	17.0	21.5
North Dakota	1,703	1,663	2,179	2,462	2,200	22.8	25.5	25.5	14.2	17.5
South Dakota	1,073	1,200	1,680	2,016	1,935	23.0	30.0	21.7	18.5	22.0
Nebraska	277	246	430	647	725	26.7	30.8	32.6	29.2	30.8
Kansas	436	452	633	608	545	16.9	12.6	27.9	20.5	22.9
South Atlantic	42	42	59	71	82	27.7	26.0	26.2	26.5	25.0
Maryland	11	9	13	13	15	33.0	30.5	32.0	32.0	35.0
Virginia	14	13	14	13	24	27.8	26.0	29.0	28.0	25.0
North Carolina	17	20	32	40	43	23.8	24.0	23.0	24.0	21.5
East South Central	34	48	23	31	38	23.0	20.0	20.4	22.1	21.7
Kentucky	5	6	2	7	9	27.0	27.0	25.0	29.5	24.0
Tennessee	29	42	21	24	29	22.4	19.0	20.0	20.0	21.0
West South Central	268	231	210	260	250	20.8	16.1	21.3	25.0	19.3
Oklahoma	107	36	54	57	57	20.5	16.5	22.0	25.0	22.0
Texas	161	195	156	203	193	20.8	16.0	21.0	25.0	18.5
Mountain	808	860	1,069	1,254	1,226	26.6	30.0	29.2	23.3	26.8
Montana	158	195	209	251	226	26.7	33.0	30.5	16.0	16.5
Idaho	125	129	144	147	165	39.8	44.0	43.0	30.0	42.0
Wyoming	51	59	95	124	130	31.4	34.0	28.0	24.0	24.5
Colorado	415	410	547	651	612	20.6	22.0	24.0	21.0	25.5
New Mexico	8	8	12	13	15	19.0	18.0	19.0	25.0	24.0
Arizona	20	20	17	18	19	34.6	35.0	38.0	35.0	36.0
Utah	23	30	34	39	41	41.5	47.0	49.0	40.0	43.0
Nevada	8	9	11	11	12	41.5	45.0	35.0	33.0	40.0
Pacific	1,143	1,143	1,204	1,171	1,179	28.7	28.8	31.1	30.6	35.0
Washington	63	58	55	63	63	33.6	42.0	35.5	34.0	34.0
Oregon	88	91	105	116	104	30.6	35.0	35.0	37.0	36.0
California	987	994	1,044	992	1,012	28.2	27.5	30.5	29.6	35.0

Source: Bureau of Agricultural Economics, Department of Agriculture.

AND FARM VALUE, BY STATES

bushel of barley, 48 pounds

Production					Farm value, Dec. 1					Division and State
					Amount				Per bushel 1930	
1924–1928, average	1927	1928	1929	1930 (preliminary)	1927	1928	1929	1930 (preliminary)		
1,000 bushels	*1,000 bushels*	*1,000 bushels*	*1,000 bushels*	*1,000 bushels*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*Cents*	
240,742	265,882	357,487	302,892	325,893	180,200	197,459	168,613	128,137	40	U. S.
276	282	262	274	252	267	288	259	211	84	New Eng.
105	108	112	124	102	102	123	124	83	81	Me.
170	174	150	150	150	165	165	135	128	85	Vt.
5,321	6,114	5,491	4,330	6,027	4,911	4,335	3,691	3,848	64	Mid. Atl.
4,770	5,452	4,648	3,426	4,608	4,362	3,625	2,878	2,857	62	N. Y.
45	74	60	22	33	61	52	19	21	65	N. J.
506	588	783	882	1,386	488	658	794	970	70	Pa.
40,831	45,073	66,043	43,733	47,776	33,448	40,359	27,441	24,314	51	E. N. C.
4,408	4,185	9,191	2,420	3,355	3,013	5,515	1,476	1,678	50	Ohio.
884	833	1,794	792	950	608	1,058	491	475	50	Ind.
11,647	13,364	20,060	12,084	10,110	9,756	10,632	6,767	4,853	48	Ill.
4,744	5,301	8,100	5,589	7,350	4,029	5,670	3,856	4,042	55	Mich.
19,148	21,390	26,898	22,848	26,011	16,042	17,484	14,851	13,266	51	Wis.
131,581	149,895	210,451	180,418	189,950	91,231	101,892	84,773	61,633	32	W. N. C.
36,739	43,800	60,000	59,400	55,836	28,470	30,000	28,512	19,543	35	Minn.
11,718	14,256	26,466	17,168	16,337	9,409	14,202	8,927	6,698	41	Iowa.
190	161	286	238	322	153	220	190	193	60	Mo.
39,232	42,406	55,564	34,960	40,075	25,020	23,893	14,683	10,420	26	N. Dak.
25,087	36,000	36,456	37,296	42,570	20,880	17,499	16,783	12,345	29	S. Dak.
7,646	7,577	14,018	18,892	22,330	4,167	7,149	9,446	7,816	35	Nebr.
7,969	5,695	17,661	12,464	12,480	3,132	8,830	6,232	4,618	37	Kans.
1,162	1,092	1,558	1,880	2,049	1,060	1,582	2,054	1,895	92	S. Atl.
363	274	416	416	525	238	354	341	394	75	Md.
400	338	406	504	600	294	345	484	522	87	Va.
399	480	736	960	924	528	883	1,229	979	106	N. C.
809	960	470	686	825	945	508	694	776	94	E. S. C.
144	162	50	205	216	147	46	204	179	83	Ky.
665	798	420	480	609	798	462	490	597	98	Tenn.
5,759	3,714	4,464	6,500	4,824	2,570	3,163	4,044	2,804	54	W. S. C.
2,265	594	1,188	1,425	1,254	386	772	898	640	51	Okla.
3,494	3,120	3,276	5,075	3,570	2,184	2,391	3,146	1,964	55	Tex.
21,832	25,796	31,279	28,274	32,884	16,018	18,394	18,127	13,975	42	Mountain.
4,348	6,435	6,374	4,016	3,729	3,861	3,569	2,731	1,529	41	Mont.
5,025	5,676	6,192	5,733	6,930	3,860	3,901	3,784	2,841	41	Idaho.
1,580	2,006	2,060	2,976	3,332	1,224	1,623	1,905	1,466	44	Wyo.
8,676	9,020	13,128	13,671	15,606	5,051	7,089	7,382	6,242	40	Colo.
151	144	228	325	360	101	171	263	223	62	N. Mex.
704	700	646	630	684	525	517	536	445	65	Ariz.
1,010	1,410	1,666	1,660	1,763	1,072	1,216	1,217	917	52	Utah.
338	405	385	363	480	324	308	309	312	65	Nev.
33,175	32,956	37,468	35,797	41,306	29,750	26,938	25,530	19,881	48	Pacific.
2,248	2,436	1,952	2,142	2,142	1,876	1,366	1,671	1,007	47	Wash.
2,751	3,185	3,675	4,292	3,744	2,452	2,646	3,305	1,872	50	Oreg.
28,176	27,335	31,842	29,363	35,420	25,422	22,926	20,554	17,002	48	Calif.

No. 670.—RYE AND RICE: Area, Production,

NOTE.—Weight of a bushel of rye,

RYE

Division and State	Acres					Yield per acre				
	1924–1928, average	1927	1928	1929	1930 (preliminary)	1924–1928, average	1927	1928	1929	1930 (preliminary)
	Thousands	*Thousands*	*Thousands*	*Thousands*	*Thousands*	*Bushels*	*Bushels*	*Bushels*	*Bushels*	*Bushels*
United States	3,766	3,648	3,480	3,331	3,722	13.5	15.9	12.5	12.8	13.5
New York	29	21	20	20	24	16.4	17.5	15.7	15.5	17.3
New Jersey	42	36	41	36	31	18.6	20.0	18.5	19.0	20.0
Pennsylvania	104	86	103	124	124	16.3	17.0	15.5	16.0	17.0
Ohio	45	35	30	42	36	15.6	16.0	13.3	15.6	15.0
Indiana	131	119	86	125	106	12.8	13.6	11.0	13.0	13.0
Illinois	77	62	62	75	79	14.5	14.5	14.5	14.5	15.5
Michigan	198	178	182	166	171	13.6	14.7	13.0	13.5	15.0
Wisconsin	250	238	167	185	191	15.4	17.0	13.0	16.0	15.5
Minnesota	472	383	421	396	416	16.4	18.3	15.0	17.5	17.3
Iowa	39	43	49	44	35	16.5	15.0	15.5	16.0	18.0
Missouri	20	16	19	20	20	12.3	11.0	12.0	10.0	12.5
North Dakota	1,371	1,381	1,298	1,038	1,194	12.1	16.7	11.0	9.5	11.0
South Dakota	168	154	162	222	400	11.3	18.0	9.0	11.0	14.5
Nebraska	234	274	249	262	333	13.2	15.0	14.0	14.1	15.0
Kansas	39	45	27	19	24	12.8	12.8	16.2	12.5	12.0
Delaware	4	3	3	4	4	14.7	15.0	15.0	14.5	14.0
Maryland	15	14	15	18	18	16.5	15.3	15.0	16.5	18.5
Virginia	41	42	46	53	50	12.5	11.8	13.5	11.8	13.0
West Virginia	9	8	7	8	8	12.7	13.0	13.5	11.6	13.4
North Carolina	88	94	89	98	89	11.4	12.0	11.5	12.0	12.0
South Carolina	8	9	7	7	7	12.0	13.0	11.5	12.5	11.6
Georgia	22	26	22	18	15	10.1	10.0	10.0	9.5	10.0
Kentucky	14	14	7	15	16	12.6	11.0	12.4	11.0	11.5
Tennessee	24	26	25	32	27	10.4	8.0	8.2	8.0	10.0
Arkansas	1	1	1	1	1	10.4	10.0	9.0	9.0	10.0
Oklahoma	31	22	26	28	25	12.5	9.0	12.0	11.0	10.5
Texas	16	14	15	16	9	11.6	7.0	12.0	15.0	12.5
Montana	111	134	154	111	113	14.1	18.0	14.0	11.0	10.0
Idaho	3	3	3	3	3	15.5	16.0	16.0	14.0	13.0
Wyoming	49	54	40	40	38	11.7	12.5	10.0	9.0	9.0
Colorado	80	76	74	81	93	10.4	10.5	11.0	11.0	11.5
New Mexico	1	1	1	1	1	11.2	6.0	12.0	18.0	6.0
Utah	4	4	3	3	3	8.9	10.0	8.0	7.0	10.0
Washington	17	22	18	12	9	12.5	16.0	15.5	12.0	11.5
Oregon	9	10	8	8	9	13.6	16.0	15.0	14.0	14.0

RICE (ROUGH)

United States	940	1,003	956	893	960	41.5	44.6	45.4	46.8	43.1
Missouri	6	3	10	1	1	50.2	25.0	40.0	35.0	45.0
Arkansas	175	175	164	156	172	45.9	44.0	47.7	51.0	46.0
Louisiana	472	500	487	472	491	35.8	40.0	38.8	39.9	36.0
Texas	160	165	163	144	186	43.6	48.6	50.0	51.5	45.5
California	127	160	132	95	110	53.3	56.0	61.9	65.5	66.1

Source: Bureau of Agricultural Economics, Department of Agriculture.

AND FARM VALUE, BY STATES

56 pounds; rice (rough), 45 pounds

RYE

Production					Farm value, Dec. 1					Division and State
					Amount				Per bushel, 1930	
1924–1928, average	1927	1928	1929	1930 (preliminary)	1927	1928	1929	1930 (preliminary)		
1,000 bushels	*1,000 bushels*	*1,000 bushels*	*1,000 busnels*	*1,000 bushels*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*Cents*	
50, 851	58, 164	43, 366	41, 911	50, 234	49, 609	37, 290	36, 225	20, 836	41. 6	United States.
472	368	314	310	415	386	352	353	307	74	New York.
774	720	758	684	620	698	788	705	434	70	New Jersey.
1, 693	1, 462	1, 596	1, 984	2, 108	1, 535	1, 708	2, 103	1, 665	79	Pennsylvania.
708	560	399	655	540	515	411	642	362	67	Ohio.
1, 699	1, 618	946	1, 625	1, 378	1, 424	880	1, 462	758	55	Indiana.
1, 119	899	899	1, 088	1, 224	827	827	968	649	53	Illinois.
2, 700	2, 617	2, 366	2, 241	2, 505	2, 329	2, 200	1, 972	1, 411	56	Michigan.
3, 898	4, 046	2, 171	2, 960	2, 960	3, 641	1, 954	2, 634	1, 332	45	Wisconsin.
7, 961	7, 009	6, 315	6, 930	7, 197	5, 958	5, 368	5, 683	2, 231	31	Minnesota.
635	645	760	704	630	555	654	598	302	48	Iowa.
250	176	228	200	250	194	242	214	192	77	Missouri.
16, 604	23, 063	14, 278	9, 861	13, 134	18, 450	10, 851	7, 494	3, 152	24	North Dakota.
1, 996	2, 772	1, 458	2, 442	5, 800	2, 190	1, 152	1, 856	1, 450	25	South Dakota.
3, 093	4, 110	3, 486	3, 694	4, 905	3, 165	2, 684	2, 807	1, 898	38	Nebraska.
489	576	497	238	288	530	358	202	167	58	Kansas.
56	45	45	58	56	52	54	67	50	90	Delaware.
255	214	225	297	333	235	259	327	290	87	Maryland.
569	496	621	625	650	570	745	750	748	115	Virginia.
119	104	94	93	107	114	108	108	103	96	West Virginia.
1, 013	1, 128	1, 024	1, 176	1, 068	1, 523	1, 485	1, 646	1, 314	123	North Carolina.
92	117	80	88	81	205	148	167	136	168	South Carolina.
223	260	220	171	150	429	385	323	242	161	Georgia.
178	154	87	105	184	185	115	201	177	96	Kentucky.
256	208	205	256	270	268	283	340	292	108	Tennessee.
10	10	9	9	10	14	13	12	11	114	Arkansas.
396	198	312	308	202	196	287	277	178	68	Oklahoma.
197	98	180	240	112	93	185	221	74	66	Texas.
1, 594	2, 412	2, 156	1, 221	1, 130	1, 761	1, 488	879	282	25	Montana.
46	48	48	42	39	36	35	36	20	50	Idaho.
583	675	400	360	342	466	288	245	113	33	Wyoming.
832	798	814	891	1, 070	559	570	633	396	37	Colorado.
14	6	12	18	6	1	10	15	3	45	New Mexico.
33	40	24	21	30	33	21	19	18	60	Utah.
218	352	279	144	104	317	251	137	62	60	Washington.
128	160	120	112	126	152	122	129	76	60	Oregon.

RICE (ROUGH)

39, 137	44, 754	43, 440	40, 462	41, 367	41, 598	38, 456	39, 536	31, 823	76. 4	United States.
287	75	400	35	45	68	360	33	38	85	Missouri.
8, 097	7, 700	7, 823	7, 956	7, 912	6, 930	6, 728	7, 320	5, 776	73	Arkansas.
16, 944	20, 000	18, 896	18, 833	17, 676	17, 400	17, 006	18, 456	13, 257	75	Louisiana.
6, 952	8, 019	8, 150	7, 416	8, 463	6, 896	7, 172	7, 194	6, 517	77	Texas.
6, 856	8, 960	8, 171	6, 222	7, 271	10, 304	7, 190	6, 533	6, 035	83	California.

No. 671.—POTATOES: Area, Production,

Note.—Weight of a bushel

Division and State	Acres					Yield per acre				
	1924–1928, average	1927	1928	1929	1930 (preliminary)	1924–1928, average	1927	1928	1929	1930 (preliminary)
United States	*Thousands* 3,363	*Thousands* 3,476	*Thousands* 3,537	*Thousands* 3,338	*Thousands* 3,394	*Bushels* 117	*Bushels* 116	*Bushels* 121	*Bushels* 108	*Bushels* 106
New England	211	225	248	234	244	225	203	196	248	231
Maine	149	161	181	179	188	261	232	220	280	240
New Hampshire	11	12	12	10	11	154	150	138	166	215
Vermont	20	21	21	17	17	147	155	142	150	200
Massachusetts	14	14	15	12	12	131	100	108	133	200
Rhode Island	2	2	2	2	2	132	110	122	125	190
Connecticut	15	15	17	14	14	132	109	130	130	190
Middle Atlantic	543	547	587	548	528	119	117	125	102	115
New York	274	270	284	270	251	113	106	114	92	116
New Jersey	57	57	57	44	43	144	161	160	121	192
Pennsylvania	215	220	246	234	234	121	120	130	110	99
East North Central	747	732	838	707	735	106	89	112	85	72
Ohio	113	116	123	106	105	98	105	98	99	90
Indiana	53	53	61	55	56	93	95	109	84	89
Illinois	69	64	70	63	67	89	84	110	80	78
Michigan	268	289	306	263	263	110	80	117	75	58
Wisconsin	244	260	278	220	244	113	92	115	92	74
West North Central	732	777	887	819	772	97	100	111	79	77
Minnesota	319	328	364	322	305	108	101	110	85	70
Iowa	78	75	81	65	65	99	82	135	103	70
Missouri	79	68	85	81	82	88	83	121	68	103
North Dakota	115	113	141	145	116	90	102	105	53	62
South Dakota	63	60	67	67	65	82	115	90	66	53
Nebraska	87	84	105	92	94	87	106	96	97	100
Kansas	51	49	54	47	45	101	110	140	93	110
South Atlantic	379	378	449	382	405	107	123	123	118	92
Delaware	6	6	7	6	5	91	119	94	82	50
Maryland	41	43	47	32	32	96	122	115	106	76
Virginia	135	130	151	128	143	122	152	143	134	102
West Virginia	50	52	60	57	60	105	113	125	115	70
North Carolina	70	72	95	74	90	98	102	111	111	98
South Carolina	30	29	36	22	23	107	105	113	119	129
Georgia	19	17	22	20	20	67	77	76	78	81
Florida	27	29	31	23	32	112	105	125	118	80
East South Central	131	136	153	131	136	82	85	93	89	70
Kentucky	50	52	57	50	45	90	91	105	88	63
Tennessee	38	39	43	39	41	79	88	95	92	70
Alabama	31	33	38	28	36	73	75	74	86	80
Mississippi	12	12	15	14	14	77	78	89	87	69
West South Central	140	150	179	137	154	67	66	74	76	85
Arkansas	30	29	36	31	33	67	68	75	87	87
Louisiana	35	41	41	31	37	65	65	70	64	72
Oklahoma	44	45	63	44	43	71	65	80	75	91
Texas	31	35	39	31	41	65	66	69	79	90
Mountain	254	298	318	267	279	151	168	139	141	177
Montana	35	36	37	33	29	106	135	115	60	76
Idaho	92	115	116	102	117	185	212	170	168	214
Wyoming	15	17	21	17	17	115	137	112	102	150
Colorado	84	96	110	88	86	151	150	122	140	175
New Mexico	2	2	2	2	3	70	75	66	91	70
Arizona	3	4	3	3	4	64	80	74	80	80
Utah	18	22	23	18	20	144	135	144	185	180
Nevada	5	6	6	4	3	142	130	140	170	175
Pacific	159	183	178	133	141	141	151	132	133	156
Washington	65	79	70	56	64	154	170	135	155	156
Oregon	46	52	52	42	42	108	120	120	90	150
California	48	52	56	35	35	156	153	138	150	165

Source: Bureau of Agricultural Economics, Department of Agriculture.

AND FARM VALUE, BY STATES

of potatoes, 60 pounds

Production					Farm value, Dec. 1					Division and State
					Amount				Per bushel, 1930	
1924–1928, average	1927	1928	1929	1930 (preliminary)	1927	1928	1929	1930 (preliminary)		
1,000 bushels	*1,000 bushels*	*1,000 bushels*	*1,000 bushels*	*1,000 bushels*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*Cents*	
392,605	402,741	465,350	359,048	361,090	388,741	249,460	469,837	326,457	90	U. S.
47,400	45,662	48,532	57,996	56,325	43,547	23,455	73,224	41,007	73	New Eng.
38,559	37,352	39,820	50,120	45,120	31,749	15,928	60,144	29,328	65	Me.
1,747	1,800	1,656	1,660	2,365	2,520	1,325	2,656	2,483	105	N. H.
2,982	3,255	2,982	2,550	3,400	4,069	2,535	3,825	3,060	90	Vt.
1,819	1,400	1,620	1,596	2,400	2,170	1,458	2,873	2,640	110	Mass.
295	220	244	250	380	341	220	450	437	115	R. I.
1,998	1,635	2,210	1,820	2,660	2,698	1,989	3,276	3,059	115	Conn.
65,307	64,197	73,476	55,920	60,542	77,550	46,391	85,748	60,092	100	Mid. Atl.
31,046	28,620	32,376	24,840	29,116	35,775	21,044	36,018	26,204	90	N. Y.
8,225	9,177	9,120	5,340	8,260	10,095	4,560	8,544	7,847	95	N. J.
26,036	26,400	31,980	25,740	23,166	31,680	20,787	41,184	26,641	115	Pa.
79,361	69,631	94,175	60,119	52,970	67,476	44,210	79,952	50,070	95	E. N. Cen.
11,155	12,180	12,054	10,494	9,450	14,616	9,040	10,266	10,395	110	Ohio
4,964	5,035	6,640	4,620	4,984	5,538	4,654	6,930	5,732	115	Ind.
6,215	5,376	7,700	5,040	5,226	6,182	5,005	7,812	6,532	125	Ill.
29,403	23,120	35,802	19,725	15,254	20,808	14,321	24,656	12,966	85	Mich.
27,624	23,920	31,970	20,240	18,056	20,332	11,190	24,288	14,445	80	Wis.
77,997	77,642	98,635	64,879	59,584	54,144	38,726	74,100	40,527	83	W. N. Cen.
34,704	33,128	38,940	27,370	21,350	10,877	11,682	27,370	13,878	65	Minn.
7,781	6,150	10,935	6,695	4,550	6,150	5,577	9,378	5,915	130	Iowa
7,014	5,644	10,285	5,508	8,692	6,491	6,171	8,262	8,257	95	Mo.
10,518	11,526	14,805	7,685	7,192	5,763	4,442	8,069	5,754	80	N. Dak.
5,187	6,900	6,030	4,422	3,445	3,795	2,412	5,085	3,273	95	S. Dak.
7,671	8,904	10,080	8,924	9,400	6,678	5,040	9,816	7,990	85	Nebr.
5,122	5,390	7,560	4,375	4,955	5,390	3,402	6,125	4,460	90	Kans.
41,083	46,347	55,351	42,671	37,459	63,714	37,249	56,032	44,560	119	S. Atl.
580	714	658	492	250	571	494	787	288	115	Del.
4,020	5,246	5,405	3,395	2,430	5,508	2,702	4,074	2,308	95	Md.
16,615	19,760	21,618	17,135	14,583	25,688	10,809	21,419	15,312	105	Va.
5,344	5,876	7,500	6,555	4,200	7,345	6,000	9,177	5,670	135	W. Va.
6,991	7,368	10,545	8,207	8,839	11,052	6,854	9,848	10,607	120	N. C.
3,210	3,034	4,068	2,608	2,973	5,765	2,644	3,651	3,865	130	S. C.
1,291	1,304	1,682	1,565	1,624	2,152	1,934	2,191	2,030	125	Ga.
3,031	3,015	3,875	2,714	2,500	5,633	5,812	4,885	4,480	175	Fla.
10,799	11,575	14,212	11,594	9,563	16,041	12,450	16,136	12,675	133	E. S. Cen.
4,558	4,732	5,985	4,395	2,831	6,152	4,788	5,933	3,539	125	Ky.
3,024	3,432	4,086	3,576	2,887	4,633	3,677	4,828	3,609	125	Tenn.
2,252	2,475	2,812	2,409	2,875	3,712	2,390	3,493	4,169	145	Ala.
965	936	1,329	1,214	970	1,544	1,595	1,882	1,358	140	Miss.
9,531	9,872	13,298	10,457	13,091	16,432	11,498	14,653	17,250	132	W. S. Cen.
2,039	1,972	2,700	2,708	2,869	2,958	2,160	3,791	3,299	115	Ark.
2,287	2,665	2,870	1,977	2,655	4,397	2,870	2,807	3,584	135	La.
3,174	2,925	5,038	3,313	3,893	5,265	3,778	4,307	4,672	120	Okla.
2,031	2,310	2,690	2,459	3,674	3,812	2,690	3,688	5,695	155	Tex.
38,761	50,189	44,253	37,602	49,407	29,541	21,355	44,766	31,769	64	Mountain.
3,772	4,860	4,255	1,980	2,204	3,159	2,340	3,366	2,424	110	Mont.
17,131	24,380	19,720	17,136	25,038	13,409	8,874	20,563	15,023	60	Idaho.
1,762	2,329	2,352	1,734	2,550	1,630	1,529	2,254	1,912	75	Wyo.
12,419	14,400	13,420	12,320	15,050	7,920	6,039	13,552	9,030	60	Colo.
140	150	132	182	210	180	125	273	242	115	N. Mex.
219	320	222	240	320	352	244	408	400	125	Ariz.
2,613	2,070	3,312	3,330	3,600	2,228	1,490	3,330	2,160	60	Utah
705	780	840	680	525	663	714	1,020	578	110	Nev.
22,361	27,628	23,415	17,710	22,059	20,296	14,116	25,228	18,907	86	Pacific.
9,986	13,430	9,450	8,680	9,984	8,058	4,725	12,586	7,488	75	Wash.
4,996	6,240	6,240	3,780	6,300	4,680	4,368	5,292	5,355	85	Oreg.
7,379	7,956	7,728	5,250	5,775	7,558	5,023	7,350	6,064	105	Calif.

No. 672.—SWEETPOTATOES AND TOBACCO: AREA,

NOTE.—Weight of a bushel of

SWEETPOTATOES

State	Acres					Yield per acre				
	1924–1928, average	1927	1928	1929	1930 (preliminary)	1924–1928, average	1927	1928	1929	1930 (preliminary)
	Thousands	*Thousands*	*Thousands*	*Thousands*	*Thousands*	*Bushels*	*Bushels*	*Bushels*	*Bushels*	*Bushels*
United States	806	933	810	821	838	91	101	96	103	85
New Jersey	16	15	15	14	15	135	126	145	140	133
Ohio	3	3	3	3	3	114	133	120	125	90
Indiana	2	2	2	2	3	112	112	116	125	90
Illinois	11	10	10	10	12	101	103	98	102	80
Iowa	3	3	3	3	3	101	90	123	105	100
Missouri	10	12	11	12	11	105	112	105	110	95
Kansas	3	3	2	2	3	125	136	130	120	105
Delaware	8	8	7	8	9	126	110	140	145	75
Maryland	10	11	10	10	10	140	144	150	125	66
Virginia	40	43	44	45	47	126	135	144	149	80
West Virginia	3	2	2	2	2	105	110	102	120	75
North Carolina	83	89	80	78	98	96	114	98	117	97
South Carolina	50	53	49	50	52	78	100	86	115	100
Georgia	114	132	119	124	115	74	80	86	95	82
Florida	28	29	28	29	28	90	92	88	110	85
Kentucky	15	16	14	15	14	94	93	89	91	68
Tennessee	41	43	41	44	44	100	98	95	100	85
Alabama	68	78	70	74	74	87	98	93	103	85
Mississippi	58	69	55	59	53	95	112	110	130	95
Arkansas	33	38	28	26	28	96	116	90	66	68
Louisiana	77	99	74	80	76	82	98	90	93	82
Oklahoma	21	23	20	15	15	96	106	89	66	61
Texas	98	133	109	104	109	78	90	76	71	70
California	10	12	12	10	12	98	90	96	99	110
Other States	3	2	2	2	2	130	111	130	132	110

TOBACCO

United States	*Thousands* 1,720	*Thousands* 1,585	*Thousands* 1,894	*Thousands* 2,040	*Thousands* 2,110	*Pounds* 758	*Pounds* 765	*Pounds* 726	*Pounds* 747	*Pounds* 716
Massachusetts	8	7	8	8	8	1,300	1,223	1,245	1,450	1,407
Connecticut	26	24	25	21	23	1,295	1,223	1,190	1,370	1,372
New York	1	1	1	1	1	1,170	1,200	1,275	1,000	950
Pennsylvania	38	34	37	39	40	1,334	1,360	1,340	1,280	965
Ohio	45	30	40	53	49	828	819	795	774	950
Indiana	16	8	14	19	16	846	760	820	783	694
Wisconsin	33	31	37	38	43	1,167	1,070	1,300	1,250	1,230
Minnesota			1	2	2			1,200	1,200	1,250
Missouri	5	4	4	4	5	963	1,100	1,100	900	900
Maryland	31	32	31	33	34	781	818	660	750	535
Virginia	191	177	181	168	174	665	723	580	650	507
West Virginia	8	4	7	8	7	785	775	750	775	680
North Carolina	599	559	728	764	779	676	737	686	658	687
South Carolina	105	104	148	133	129	637	737	556	620	730
Georgia	73	82	122	110	127	736	725	690	817	827
Florida	8	9	12	12	12	851	935	768	900	895
Kentucky	414	290	388	493	508	792	697	775	790	654
Tennessee	118	88	109	132	152	764	780	737	815	796
Louisiana	1	1	1	1	1	422	400	405	378	460

[1] Estimated season average price based on sales to Dec. 1, 1930.

Production, and Farm Value, by States

sweetpotatoes, 54 pounds

SWEET POTATOES

Production					Farm value, Dec. 1					State
					Amount				Per bushel, 1930	
1924–1928, average	1927	1928	1929	1930 (preliminary)	1927	1928	1929	1930 (prel.)		
1,000 bushels	*1,000 bushels*	*1,000 bushels*	*1,000 bushels*	*1,000 bushels*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*Cents*	
74,141	94,112	77,661	84,521	71,154	77,615	71,096	79,819	64,490	90.6	U. S.
2,100	1,890	2,175	1,960	1,995	2,268	2,610	2,744	2,394	120	N. J.
341	399	360	375	270	559	486	544	392	145	Ohio.
246	224	232	250	270	302	302	338	364	135	Ind.
1,072	1,030	980	1,020	960	1,184	1,078	1,326	1,104	115	Ill.
303	270	360	315	300	405	572	536	540	180	Iowa.
1,094	1,344	1,155	1,320	1,045	1,613	1,213	1,584	1,150	110	Mo.
374	408	260	240	315	449	286	324	346	110	Kans.
980	880	980	1,160	675	616	784	1,044	608	90	Del.
1,436	1,584	1,500	1,250	660	1,109	1,200	1,125	594	90	Md.
5,142	5,805	6,336	6,705	3,760	4,934	4,435	6,034	3,760	100	Va.
272	220	204	240	150	308	286	384	225	150	W. Va.
7,989	10,146	7,840	9,126	9,506	8,117	6,664	8,213	8,555	90	N. C.
3,907	5,300	4,214	5,750	5,200	4,240	3,582	4,888	4,160	80	S. C.
8,435	10,560	10,234	11,780	9,430	7,920	8,699	9,424	7,072	75	Ga.
2,499	2,668	2,464	3,190	2,380	2,268	2,834	3,360	2,261	95	Fla.
1,309	1,488	1,248	1,365	952	1,786	1,423	1,638	1,142	120	Ky.
4,108	4,704	3,895	4,400	3,740	3,998	3,700	4,180	3,366	90	Tenn.
5,917	7,644	6,510	7,622	6,290	6,497	5,859	6,860	5,346	85	Ala.
5,600	7,728	6,050	7,670	5,035	6,182	5,445	6,136	3,776	75	Miss.
3,169	4,408	2,520	1,716	1,904	3,526	2,268	1,973	1,809	95	Ark.
6,446	9,702	6,060	7,440	6,232	6,791	5,661	6,324	5,609	90	La.
2,037	2,438	1,780	990	915	1,950	1,091	1,138	915	100	Okla.
7,786	11,970	8,284	7,384	7,630	8,978	8,284	7,753	7,248	95	Tex.
994	1,080	1,152	990	1,320	1,242	1,267	1,436	1,386	105	Calif.
338	222	261	263	220	373	457	523	358	163	Other States.

TOBACCO

1,000 pounds	*1,000 pounds*	*1,000 pounds*	*1,000 pounds*	*1,000 pounds*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*Cents per lb.*[1]	
1,302,463	1,211,909	1,374,547	1,524,677	1,510,308	256,882	277,506	282,764	216,895	14.4	U. S.
10,061	8,683	9,462	11,600	11,397	3,099	3,227	4,942	3,499	30.7	Mass.
33,511	28,985	29,750	28,496	32,105	10,621	11,067	13,678	12,621	39.0	Conn.
1,570	960	1,020	800	760	173	197	124	114	15.0	N. Y.
50,856	46,240	49,580	49,536	38,118	6,011	6,941	5,944	4,955	13.0	Pa.
37,175	24,652	32,198	40,881	40,376	4,531	7,084	6,623	5,704	12.3	Ohio.
13,531	6,384	11,234	15,112	11,382	1,403	2,096	2,569	1,593	14.0	Ind.
38,868	33,170	48,100	48,125	52,900	5,315	7,023	7,219	7,935	15.0	Wis.
		1,200	1,800	2,875		144	252	385	13.4	Minn.
4,377	4,400	4,400	4,050	4,680	968	1,258	887	936	20.0	Mo.
24,369	26,176	20,460	24,750	18,190	6,020	5,586	6,732	4,184	23.0	Md.
127,153	127,971	104,864	109,500	88,200	22,828	16,778	19,162	8,996	10.2	Va.
6,053	3,488	5,100	6,588	4,896	855	1,367	1,383	783	16.0	W. Va.
407,697	485,683	499,408	502,600	535,195	106,850	97,385	91,473	73,322	13.7	N. C.
66,469	76,648	82,288	82,460	94,170	15,713	10,451	13,104	11,300	12.0	S. C.
52,552	59,088	84,387	80,870	104,994	11,440	11,139	16,806	10,814	10.3	Ga.
6,715	8,228	9,216	11,070	11,008	2,365	2,682	3,454	2,818	25.6	Fla.
330,997	202,269	300,700	389,277	331,699	43,349	75,175	68,123	47,433	14.3	Ky.
89,846	68,484	80,775	107,784	120,903	14,661	17,124	20,048	19,465	16.1	Tenn.
422	400	405	378	460	180	182	151	138	30.0	La.

Source: Bureau of Agricultural Economics.

No. 673.—TAME HAY: Area, Production, and Farm Value, by States

[Tons are of 2,000 pounds]

Division and State	Acres			Yield per acre			Production			Farm value, Dec. 1, 1930 (preliminary)	
	1928	1929	1930 (preliminary)	1928	1929	1930 (preliminary)	1928	1929	1930 (preliminary)	Amount	Per ton
	Thousands	*Thousands*	*Thousands*	*Tons*	*Tons*	*Tons*	*1,000 tons*	*1,000 tons*	*1,000 tons*	*1,000 dollars*	*Dollars*
United States	58,140	60,265	58,473	1.61	1.67	1.41	93,351	100,893	82,656	1,048,205	12.68
New England	3,485	3,122	3,053	1.46	1.47	1.40	5,064	4,586	4,265	56,942	13.35
Maine	1,235	1,050	1,028	1.28	1.30	1.22	1,583	1,365	1,262	13,756	10.90
New Hampshire	459	390	382	1.41	1.45	1.37	647	567	522	7,151	13.70
Vermont	914	914	906	1.62	1.67	1.62	1,480	1,528	1,465	16,115	11.00
Massachusetts	460	416	392	1.56	1.48	1.40	717	616	549	10,376	18.90
Rhode Island	43	38	37	1.56	1.42	1.24	67	54	46	1,040	22.60
Connecticut	354	314	298	1.61	1.45	1.41	570	456	421	8,504	20.20
Middle Atlantic	7,768	7,656	7,390	1.48	1.46	1.31	11,526	11,173	9,678	161,677	16.71
New York	4,597	4,564	4,340	1.40	1.44	1.29	6,439	6,561	5,584	80,410	14.40
New Jersey	247	220	215	1.83	1.51	1.51	453	332	324	6,998	21.60
Pennsylvania	2,924	2,872	2,835	1.59	1.49	1.33	4,636	4,280	3,770	74,269	19.70
East North Central	13,869	15,087	14,268	1.41	1.74	1.22	19,598	26,276	17,432	251,015	14.40
Ohio	2,780	3,056	2,813	1.33	1.64	.88	3,698	5,009	2,462	42,339	17.40
Indiana	1,864	2,163	1,975	1.37	1.63	1.02	2,558	3,517	2,005	29,273	14.60
Illinois	3,115	3,463	3,305	1.32	1.56	1.14	4,108	5,408	3,752	49,151	13.10
Michigan	2,832	2,989	2,822	1.51	1.68	1.25	4,277	5,022	3,541	57,718	16.30
Wisconsin	3,278	3,416	3,353	1.51	2.14	1.69	4,957	7,320	5,672	72,034	12.70
West North Central	14,018	14,965	14,361	1.69	1.74	1.49	23,685	26,009	21,415	213,713	9.98
Minnesota	2,355	2,499	2,271	1.81	1.78	1.59	4,269	4,457	3,601	36,730	10.20
Iowa	2,880	3,294	3,070	1.48	1.97	1.62	4,276	6,474	4,986	57,339	11.50
Missouri	3,571	3,899	3,591	1.28	1.34	.92	4,567	5,211	3,310	36,720	12.00
North Dakota	1,080	1,208	1,279	1.88	1.18	1.16	2,028	1,426	1,486	10,402	7.00
South Dakota	1,086	1,151	1,169	1.52	1.68	1.35	1,655	1,933	1,581	13,438	8.50
Nebraska	1,550	1,532	1,611	2.16	2.33	2.37	3,351	3,572	3,818	30,544	8.00
Kansas	1,496	1,382	1,370	2.37	2.12	1.92	3,539	2,936	2,633	25,540	9.70
South Atlantic	4,499	4,274	4,153	1.16	1.14	.74	5,212	4,853	3,090	63,107	20.42
Delaware	81	70	67	1.70	1.46	1.18	138	102	79	1,778	22.50
Maryland	430	407	392	1.75	1.54	.95	754	628	374	8,527	22.80
Virginia	1,063	1,037	959	1.37	1.32	.62	1,451	1,373	596	13,350	22.40
West Virginia	814	805	729	1.45	1.43	.68	1,183	1,149	495	11,385	23.00
North Carolina	797	813	874	.95	.99	.86	756	804	748	14,436	19.30
South Carolina	434	365	380	.87	.86	.80	376	313	303	5,696	18.80
Georgia	792	691	665	.62	.61	.66	490	423	436	6,932	15.90
Florida	88	86	87	.73	.71	.68	64	61	59	1,003	17.00
East South Central	3,563	3,700	3,469	1.22	1.26	.80	4,359	4,649	2,784	52,098	18.71
Kentucky	1,244	1,243	1,150	1.31	1.42	.75	1,631	1,763	860	16,942	19.70
Tennessee	1,271	1,425	1,332	1.33	1.32	.84	1,690	1,874	1,119	22,492	20.10
Alabama	500	590	589	.77	.77	.75	457	453	442	6,674	15.10
Mississippi	458	442	398	1.27	1.26	91	581	559	363	5,990	16.50
West South Central	2,135	2,198	2,203	1.26	1.17	1.00	2,681	2,562	2,214	27,738	12.53
Arkansas	625	600	586	1.09	1.05	.83	683	629	489	7,237	14.80
Louisiana	297	272	306	1.43	1.15	1.11	424	314	341	4,604	13.50
Oklahoma	576	668	609	1.46	1.31	1.10	841	875	668	6,947	10.40
Texas	637	658	702	1.15	1.13	1.02	733	744	716	8,950	12.50
Mountain	5,358	5,604	5,839	2.23	2.11	2.03	11,939	11,797	11,834	111,853	9.45
Montana	1,294	1,426	1,563	1.98	1.43	1.28	2,558	2,034	2,009	22,099	11.00
Idaho	1,047	1,095	1,079	2.53	2.51	2.68	2,645	2,751	2,896	24,326	8.40
Wyoming	681	701	736	1.80	1.73	1.55	1,224	1,213	1,141	10,383	9.10
Colorado	1,187	1,203	1,244	2.08	2.23	2.14	2,467	2,677	2,659	24,463	9.20
New Mexico	186	197	191	2.19	2.27	2.02	407	447	386	5,018	13.00
Arizona	185	193	202	3.77	3.52	3.74	697	679	756	9,828	13.00
Utah	570	578	610	2.46	2.60	2.40	1,400	1,500	1,466	10,995	7.50
Nevada	208	211	214	2.60	2.35	2.43	541	496	521	4,741	9.10
Pacific	3,465	3,659	3,737	2.68	2.46	2.66	9,285	8,988	9,944	110,062	11.07
Washington	903	945	923	2.36	1.98	2.07	2,140	1,875	1,933	25,709	13.30
Oregon	905	931	1,004	2.26	2.08	2.27	2,041	1,935	2,282	21,907	9.60
California	1,654	1,783	1,809	3.09	2.90	3.18	5,104	5,178	5,729	62,446	10.90

Source; Bureau of Agricultural Economics, Department of Agriculture.

No. 674.—WILD HAY: Area, Production, and Farm Value, by States

[Tons are of 2,000 pounds]

Division and State	Acres			Yield per acre			Production			Farm value, Dec. 1, 1930 (preliminary)	
	1928	1929	1930 (preliminary)	1928	1929	1930 (preliminary)	1928	1929	1930 (preliminary)	Amount	Per ton
	Thousands	*Thousands*	*Thousands*	*Tons*	*Tons*	*Tons*	*1,000 tons*	*1,000 tons*	*1,000 tons*	*1,000 dollars*	*Dollars*
United States	13,138	13,938	14,136	0.98	0.92	0.86	12,915	12,765	12,111	87,089	7.19
New England	66	66	60	1.20	1.08	.97	79	70	58	561	9.67
Maine	13	13	11	1.05	1.10	.90	14	14	10	85	8.50
New Hampshire	16	16	15	1.15	1.00	.90	18	16	14	112	8.00
Vermont	13	13	13	1.30	1.10	.90	17	14	12	89	7.40
Massachusetts	12	12	11	1.25	1.10	1.05	15	13	12	132	11.00
Rhode Island	2	2	2	1.10	1.15	1.00	2	2	2	31	15.50
Connecticut	10	10	8	1.30	1.10	.95	13	11	8	112	14.00
Middle Atlantic	99	95	99	1.23	1.29	1.19	122	123	118	1,228	10.36
New York	68	68	68	1.09	1.25	1.20	74	85	82	795	9.70
New Jersey	16	13	14	1.65	1.50	1.25	26	20	18	194	10.80
Pennsylvania	15	14	17	1.45	1.30	1.05	22	18	18	234	13.00
East North Central	313	310	384	1.30	1.41	1.15	406	437	442	3,628	8.21
Ohio	7	6	9	1.13	1.50	.80	8	9	7	82	11.70
Indiana	20	16	17	1.15	1.40	1.00	23	22	17	168	9.90
Illinois	41	37	30	1.12	1.30	1.00	46	48	30	294	9.80
Michigan	38	40	54	1.31	1.57	1.10	50	63	59	584	9.90
Wisconsin	207	211	274	1.35	1.40	1.20	279	295	329	2,500	7.60
West North Central	9,386	10,030	10,145	.95	.86	.84	8,856	8,793	8,472	54,602	6.44
Minnesota	1,809	1,827	1,827	1.20	1.10	1.10	2,171	2,010	2,010	14,070	7.00
Iowa	264	240	216	1.16	1.35	1.15	306	324	248	2,170	8.75
Missouri	143	139	145	1.10	1.00	.75	157	139	109	850	7.80
North Dakota	1,210	1,367	1,381	1.12	.70	.80	1,355	957	1,105	6,188	5.60
South Dakota	2,107	2,509	2,634	.60	.65	.60	1,264	1,631	1,580	9,638	6.10
Nebraska	2,903	3,048	3,078	.87	.87	.85	2,526	2,652	2,616	16,219	6.20
Kansas	900	900	864	1.23	1.20	.93	1,107	1,080	804	5,467	6.80
South Atlantic	119	116	131	1.13	1.10	.75	134	128	98	1,432	14.61
Delaware	2	2	2	1.60	1.70	1.30	3	3	3	45	15.00
Maryland	3	3	4	1.68	1.45	.90	5	4	4	60	15.00
Virginia	21	21	19	1.33	1.30	.60	28	27	11	187	17.00
West Virginia	12	12	22	1.33	1.20	.60	16	14	13	228	17.50
North Carolina	52	52	57	1.15	1.15	.80	60	60	46	644	14.00
South Carolina	6	3	3	.60	.85	.64	4	3	2	28	13.90
Georgia	19	19	20	.80	.75	.80	15	14	16	198	12.40
Florida	4	4	4	.85	.70	.75	3	3	3	42	14.00
East South Central	165	132	132	1.16	1.05	.65	192	139	88	1,148	13.35
Kentucky	58	20	20	1.40	1.35	.75	81	30	22	282	12.80
Tennessee	50	48	48	1.20	1.10	.70	60	53	34	493	14.50
Alabama	22	18	18	.75	.80	.57	16	14	10	123	12.30
Mississippi	35	37	37	1.00	.90	.55	35	33	20	250	12.50
West South Central	860	970	1,053	.97	.91	.75	836	882	787	7,103	9.03
Arkansas	131	151	181	.85	.80	.45	111	121	81	859	10.60
Louisiana	18	22	26	1.38	1.20	.65	25	26	17	180	10.60
Oklahoma	492	556	600	1.00	.88	.80	492	489	480	3,744	7.80
Texas	219	241	246	.95	1.02	.85	208	246	209	2,320	11.10
Mountain	1,764	1,806	1,728	.99	.95	.90	1,752	1,714	1,552	13,301	8.57
Montana	606	636	572	.90	.75	.65	545	477	372	3,794	10.20
Idaho	101	101	106	1.20	1.20	1.10	121	121	117	831	7.10
Wyoming	401	401	381	1.05	.95	.85	421	381	324	2,560	7.90
Colorado	376	387	391	.90	1.10	1.10	338	426	430	3,784	8.80
New Mexico	33	34	34	.90	.90	.80	30	31	27	237	9.90
Arizona	10	10	12	.50	1.00	1.00	5	10	12	120	10.00
Utah	77	79	76	1.30	1.60	1.50	100	126	114	775	6.80
Nevada	160	158	156	1.20	.90	1.00	192	142	156	1,170	7.50
Pacific	416	413	404	1.22	1.16	1.23	508	479	498	4,091	8.21
Washington	31	28	28	1.50	1.40	1.25	46	39	35	388	11.10
Oregon	235	235	223	1.20	1.20	1.25	282	282	279	2,176	7.80
California	150	150	153	1.20	1.05	1.20	180	158	184	1,527	8.30

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 675.—MINOR CROPS: AREA, PRODUCTION, AND FARM VALUE, BY STATES

NOTE.—Totals for grain sorghum, beans, and broomcorn are for principal producing States only, including for beans a few States not shown separately. Farm values are for the most part as of Dec. 1. The number of pounds to a bushel is as follows: Flaxseed, 56; grain sorghums, approximately, 56; beans, 60

Crop and State	Acres				Yield per acre				Production				Average farm price, 1930 [1]
	1927	1928	1929	1930 [1]	1927	1928	1929	1930 [1]	1927	1928	1929	1930 [1]	
	Thousands	*Thousands*	*Thousands*	*Thousands*	*Bushels*	*Bushels*	*Bushels*	*Bushels*	*1,000 bushels*	*1,000 bushels*	*1,000 bushels*	*1,000 bushels*	*Cents per bush.*
Flaxseed, total	2,837	2,675	3,050	3,946	9.1	7.4	5.6	6.0	25,847	19,928	17,049	33,682	140
Wisconsin	10	9	7	9	13.2	13.5	11.5	12.0	132	122	80	108	156
Minnesota	757	726	523	732	9.7	7.3	9.0	10.0	7,343	5,808	4,707	7,320	*145*
Iowa	19	19	13	26	12.0	10.4	10.0	12.0	228	198	130	312	155
North Dakota	1,242	1,143	1,463	1,931	8.2	8.0	4.7	5.2	10,184	8,344	6,876	10,041	139
South Dakota	594	554	637	670	10.0	6.5	5.9	5.2	5,940	3,601	3,758	3,484	133
Nebraska	7	8	17	24	10.0	8.0	7.6	6.0	70	64	129	144	125
Kansas	31	25	23	37	5.5	6.9	5.9	7.3	170	172	136	270	156
Montana	170	183	343	480	10.2	8.5	3.2	3.7	1,734	1,556	1,098	1,776	131
Wyoming	------	1	18	27	------	7.0	5.5	5.0	------	7	99	135	129
Other States [2]	7	7	6	[3] 10	6.5	8.0	6.0	[3] 9.2	46	56	36	[3] 92	[3] 150
Grain sorghums, [4] total	6,723	6,497	5,921	6,180	20.4	21.9	17.0	14.0	137,358	142,513	100,845	86,632	64.1
Missouri	113	99	89	95	24.0	22.0	17.0	18.0	2,712	2,178	1,513	1,710	80
Nebraska	30	24	22	17	23.5	20.2	17.1	20.0	705	485	376	340	80
Kansas	1,547	1,284	1,091	1,100	21.0	22.3	18.0	13.0	32,487	28,633	19,638	14,300	*65*
Oklahoma	1,744	1,709	1,384	1,451	20.0	18.0	14.8	9.0	34,880	30,762	20,483	13,059	60
Texas	2,654	2,760	2,760	2,926	21.0	25.0	17.0	16.0	55,734	69,000	46,920	46,816	65
Colorado	284	256	205	211	10.0	10.5	11.0	13.5	2,840	2,688	2,255	2,848	50
New Mexico	171	188	203	206	14.0	18.0	22.0	8.2	2,394	3,384	4,466	1,689	*45*
Arizona	50	52	52	59	31.0	29.0	30.0	35.0	1,550	1,508	1,560	2,065	70
California	130	125	115	115	31.2	31.0	31.6	33.0	4,056	3,875	3,634	3,795	70
Beans, dry, total	1,569	1,641	1,960	2,181	10.3	10.8	10.6	10.1	16,171	17,647	20,707	22,137	240
New York	75	80	100	120	13.0	14.5	12.5	9.3	975	1,160	1,250	1,116	335
Michigan	566	538	694	819	8.5	11.0	8.2	5.9	4,811	5,918	5,691	4,832	260
Montana	32	40	60	60	20.0	14.5	11.0	11.5	640	580	660	690	245
Idaho	72	86	92	115	23.7	19.0	23.0	21.0	1,706	1,634	2,116	2,415	180
Wyoming	17	24	31	33	18.0	15.0	18.5	22.0	306	360	574	726	240
Colorado	281	309	350	385	5.5	4.5	6.7	10.2	1,546	1,390	2,345	3,927	135
New Mexico	195	214	225	227	5.0	4.0	7.5	3.2	975	856	1,688	726	150
California	296	307	339	363	16.3	17.3	17.0	19.4	4,825	5,325	5,768	7,049	290
Broomcorn, total	237	298	303	395	*Lbs.* 338	*Lbs.* 363	*Lbs.* 312	*Lbs.* 251	*Tons* 40,000	*Tons* 54,100	*Tons* 47,200	*Tons* 49,600	*Dolls. per ton* 74
Illinois	28	21	26	31	380	440	432	480	5,300	4,600	5,600	7,400	110
Missouri	3	4	4	4	400	430	380	280	600	900	800	600	85
Kansas	27	43	44	66	375	450	340	255	5,100	9,700	7,500	8,400	60
Oklahoma	112	131	122	167	349	350	262	208	19,500	22,900	16,000	17,400	82
Texas	10	9	7	7	260	311	350	340	1,300	1,400	1,200	1,200	75
Colorado	35	52	60	69	330	360	336	275	5,800	9,400	10,100	9,500	51
New Mexico	22	38	40	51	220	272	300	200	2,400	5,200	6,000	5,100	57
Peanuts, [5] total	1,142	1,211	1,325	1,108	757	706	701	668	*1,000 pounds* 864,549	*1,000 pounds* 855,096	*1,000 pounds* 928,975	*1,000 pounds* 740,710	*Cents per lb.* [6] 3.2
Virginia	152	152	160	147	810	928	913	665	123,120	141,056	146,080	97,755	3.1
North Carolina	211	205	220	213	954	1,050	1,020	900	201,294	215,250	224,400	191,700	3.3
South Carolina	11	10	10	12	775	690	735	700	8,525	6,900	7,350	8,400	3.4
Georgia	304	350	343	292	725	540	650	680	220,400	189,000	222,950	198,560	3.3
Florida	44	44	46	37	640	575	600	560	28,160	25,300	27,600	20,720	3.3
Tennessee	20	18	20	16	850	800	820	625	17,000	14,400	16,400	10,000	3.3
Alabama	230	225	260	221	680	560	550	600	156,400	117,600	143,000	132,600	2.8
Mississippi	9	10	10	10	725	600	640	520	6,525	6,000	6,400	5,200	6.0
Arkansas	11	12	15	10	800	720	575	475	8,800	8,640	8,625	4,750	4.0
Louisiana	13	12	16	15	625	460	595	415	8,125	5,400	9,520	6,225	6.0
Oklahoma	20	47	80	25	800	750	570	480	16,000	35,250	45,600	12,000	3.0
Texas	117	126	145	110	600	650	490	480	70,200	81,900	71,050	52,800	3.5

[1] Preliminary. [2] One State only. [3] Two States. [4] For all purposes. [5] For nuts.
[6] Average of State prices weighted by total production which includes peanuts grazed or otherwise utilized as well as those gathered.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 676.—ORCHARD CROPS: PRODUCTION, TOTAL AND IN LEADING STATES

NOTE.—The approximate number of pounds to a bushel are as follows: Apples, 45; peaches, 48; pears, 50

[In thousands of bushels]

State	1909	1919	1928	1929	1930
APPLES					
U. S	145,412	136,561	186,893	142,788	163,543
Me	3,636	4,829	1,400	3,360	3,024
N. H	1,108	1,364	1,000	974	1,419
Vt	1,400	960	560	1,029	762
Mass	2,550	3,187	2,700	2,650	4,750
Conn	1,541	1,395	1,500	990	1,936
N. Y	25,409	14,350	21,900	16,520	27,683
N. J	1,407	1,666	3,299	1,880	3,713
Pa	11,048	5,513	8,460	5,973	9,774
Ohio	4,604	2,976	5,880	2,660	3,500
Ind	2,759	926	2,520	1,170	1,240
Ill	3,093	4,673	7,150	4,725	4,932
Mich	12,332	5,843	5,400	7,020	5,223
Wis	2,232	1,306	2,160	1,749	928
Minn	1,044	1,028	1,230	726	315
Iowa	6,747	1,810	2,740	2,120	1,272
Mo	9,259	5,132	3,380	2,800	1,992
Nebr	3,321	907	470	868	462
Kans	1,356	1,749	820	1,810	601
Del	183	606	1,520	1,012	1,748
Md	1,823	1,519	2,190	2,200	1,650
Va	6,104	8,943	16,100	13,000	7,700
W. Va	4,225	4,189	8,750	5,600	3,944
N. C	4,776	1,938	5,040	2,628	2,555
Ga	896	417	1,400	680	1,126
Ky	7,368	1,281	5,700	2,000	1,212
Tenn	4,640	1,259	3,790	2,000	1,653
Ala	888	577	885	500	760
Ark	2,296	7,164	2,200	1,400	1,700
Okla	742	1,597	350	634	310
Idaho	660	3,646	5,500	5,500	5,000
Colo	3,559	3,418	3,020	2,460	1,130
N. Mex	417	939	675	1,035	420
Utah	350	760	880	500	1,100
Wash	2,672	21,569	33,500	29,500	37,850
Oreg	1,931	6,921	7,600	4,000	6,600
Calif	4,935	7,842	13,105	7,880	11,644
Other States	1,978	2,360	2,128	1,735	1,915
PEACHES					
U. S	35,470	50,686	[1]68,369	45,789	[1]53,286
N. Y	1,736	1,262	2,400	1,470	2,158
N. J	441	1,653	1,625	2,600	1,788
Pa	1,024	1,100	1,867	1,157	936
Ohio	1,036	618	1,742	494	400
Ind	1,174	82	605	726	12
Ill	1,223	450	1,638	3,600	(2)
Mich	1,687	448	1,156	816	329
Mo	1,485	1,263	655	1,261	24
PEACHES—continued					
Md	325	564	465	532	231
Va	243	682	880	928	240
W. Va	329	700	810	580	122
N. C	1,344	479	2,590	1,400	1,800
S. C	643	390	1,363	552	952
Ga	2,555	4,780	10,000	2,880	4,698
Ky	1,023	460	1,035	600	75
Tenn	1,579	1,255	2,190	1,225	630
Ala	1,417	1,083	1,350	504	1,105
Miss	1,157	776	635	444	490
Ark	1,902	3,341	3,000	2,635	84
Okla	358	2,925	480	1,100	80
Tex	730	4,621	1,612	1,953	750
Colo	692	721	650	1,000	817
Utah	143	884	612	542	335
Wash	84	1,545	1,470	1,250	615
Oreg	179	504	292	232	280
Calif	9,267	5,969	25,752	13,334	32,836
Other States	1,094	2,086	1,495	1,974	1,199
PEARS					
U. S	8,841	14,204	24,212	22,083	25,703
N. Y	1,343	1,830	1,800	1,152	3,168
N. J	463	402	502	338	488
Pa	379	421	620	272	620
Ohio	375	157	395	175	190
Ind	320	109	288	209	136
Ill	249	375	540	711	315
Mich	666	405	819	468	805
Mo	143	431	171	445	177
Kans	19	221	51	234	108
Del	105	98	108	248	142
Md	367	287	193	254	180
Va	74	288	230	330	80
N. C	84	112	234	205	115
S. C	66	99	133	104	102
Ga	150	178	245	174	174
Ky	252	55	116	120	29
Tenn	84	115	255	242	124
Ala	100	163	234	142	200
Miss	101	121	194	132	162
Ark	38	124	102	104	65
Okla	7	250	72	190	40
Tex	111	637	390	455	350
Colo	133	269	185	650	173
Wash	311	1,729	3,700	3,400	4,500
Oreg	375	761	2,700	2,750	3,200
Calif	1,928	3,953	9,365	7,917	9,459
Other States	508	615	580	633	601

[1] The production of peaches includes some estimated quantities not harvested or not utilized, as follows: 1928, 2,917,000 bushels in California and 1,000,000 in Georgia; 1930, 6,376,000 bushels in California.
[2] Too small to estimate.

Source: 1909 and 1919, enumerations of Bureau of the Census; 1928, 1929, and 1930, estimates of Department of Agriculture.

No. 677.—ORCHARD CROPS: United States Production

[In thousands of bushels. For weights of the bushel see headnote Table 676]

Yearly average or year	Apples	Peaches	Pears	Year	Apples	Peaches	Pears
1891–1895	157,693	----------	----------	1922	202,702	55,852	20,705
1896–1900	179,143	----------	----------	1923	202,842	46,382	17,845
1901–1905	152,672	38,166	----------	1924	171,725	53,848	18,866
1906–1910	154,454	39,684	----------	1925	172,389	46,562	20,720
1911–1915	215,572	49,027	11,341	1926	246,609	[1] 69,865	25,249
1916–1920	179,208	43,632	14,066	1927	123,693	[1] 45,463	18,373
1921–1925	160,732	46,849	17,887	1928	186.893	[1] 68.369	24.212
1926–1930	172,705	56,554	23,120	1929	142,788	45,789	22,003
1921	99,002	32,602	11,297	1930	163,543	[1] 53,286	25,703

[1] Includes some estimated quantities not harvested or not utilized. See footnote 1, Table 676.

No. 678.—ORCHARD CROPS: Farm Prices per Bushel

Division and State	Apples, Dec. 1					Peaches[1]					Pears[1]		
	1926	1927	1928	1929	1930	1926	1927	1928	1929	1930	1928	1929	1930
United States	$0.75	$1.39	$0.99	$1.32	$0.93	$1.00	$1.18	$0.99	$1.36	$0.90	$1.02	$1.43	$0.78
New England:													
Maine	.85	1.00	1.00	1.10	.65	----	----	----	----	----	1.50	1.85	1.70
New Hampshire	.90	1.30	1.10	1.25	.60	1.50	2.20	2.40	2.00	2.00	1.70	1.60	1.50
Vermont	1.20	1.50	1.50	1.50	1.30	----	----	----	----	----	2.10	1.85	1.60
Massachusetts	.90	1.40	1.25	1.40	.80	1.80	2.10	2.30	2.10	1.60	1.70	1.80	1.20
Rhode Island	1.00	1.80	1.30	1.50	.90	1.70	2.10	2.30	2.50	1.80	1.80	2.00	1.25
Connecticut	1.00	1.70	1.30	1.80	.90	1.70	2.20	1.90	2.00	1.30	1.60	2.00	1.15
Middle Atlantic:													
New York	.55	1.45	1.10	1.45	.80	.90	1.90	1.45	1.80	1.15	1.45	1.85	.90
New Jersey	.70	1.45	1.10	1.75	.95	.70	1.50	1.35	1.15	1.70	1.00	1.60	.90
Pennsylvania	.80	1.40	1.15	1.55	.95	1.00	2.00	1.55	1.75	1.70	1.20	1.55	1.10
East North Central:										1.95			1.15
Ohio	.90	1.50	1.30	1.80	1.30	1.25	1.95	1.55	1.95	----	.90	1.40	----
Indiana	.95	1.80	1.30	1.70	1.35	1.60	2.35	1.60	1.60	2.00	.75	.85	.90
Illinois	.95	1.75	1.30	1.65	1.40	1.25	2.05	1.40	1.35	1.60	.85	.90	.95
Michigan	.65	1.50	1.30	1.30	1.05	1.00	2.10	1.55	1.90	1.65	.95	1.35	1.05
Wisconsin	1.00	1.70	1.10	1.25	1.45	----	----	----	----	----	----	----	----
West North Central:													
Minnesota	1.20	1.40	1.00	1.35	1.60	----	----	----	----	----	----	----	----
Iowa	1.30	1.95	1.50	1.80	1.80	1.60	1.95	1.50	1.50	1.70	1.20	1.35	1.45
Missouri	1.05	1.80	1.25	1.35	1.40	1.25	1.90	1.55	1.40	1.95	1.15	.95	1.10
South Dakota	1.50	1.60	1.30	1.80	1.50	----	----	----	----	----	----	----	----
Nebraska	1.50	1.40	1.40	1.40	1.60	1.50	1.60	2.00	1.65	1.90	1.90	1.50	1.55
Kansas	1.25	1.45	1.40	1.55	1.55	1.70	1.75	1.90	1.55	1.75	1.40	1.10	1.15
South Atlantic:													
Delaware	.50	1.60	1.10	1.35	.95	.85	1.10	1.20	1.10	1.60	.60	.50	.55
Maryland	.50	1.25	.90	1.20	.80	.75	1.50	1.30	1.20	1.50	.90	.80	.85
Virginia	.55	1.35	.85	1.10	.95	1.00	1.60	1.40	1.00	1.60	1.05	.90	1.35
West Virginia	.70	1.60	.90	1.30	1.10	1.25	2.10	1.50	1.55	1.80	1.25	1.40	1.70
North Carolina	.85	1.65	.90	1.25	1.05	.90	1.70	1.15	1.40	1.35	1.10	1.20	1.30
South Carolina	1.40	1.75	1.25	1.60	1.30	1.00	1.60	1.10	1.35	1.35	1.10	1.25	1.15
Georgia	.95	1.70	1.10	1.40	1.10	.80	1.35	.90	1.15	1.15	1.00	1.05	1.05
Florida	----	----	----	----	----	1.60	1.75	1.35	1.70	1.20	.95	1.05	1.05
East South Central:													
Kentucky	.90	1.80	1.00	1.45	1.35	1.30	1.90	1.25	1.45	1.75	1.10	1.00	1.35
Tennessee	.85	1.80	1.10	1.40	1.15	1.05	1.70	1.10	1.25	1.35	1.05	1.05	1.15
Alabama	1.10	1.85	1.45	1.55	1.35	1.10	1.50	1.10	1.30	1.20	1.10	1.15	1.00
Mississippi	1.25	1.65	1.45	1.65	1.25	1.40	1.65	1.45	1.50	1.45	1.10	1.05	.95
West South Central:													
Arkansas	.75	1.55	1.20	1.30	1.10	1.05	1.40	1.20	1.20	1.60	1.20	1.20	1.30
Louisiana	1.00	1.50	1.50	1.75	1.50	1.50	1.80	1.60	1.70	1.75	1.35	1.35	1.30
Oklahoma	1.05	1.60	1.35	1.35	1.30	1.30	1.30	1.30	1.00	1.30	1.30	1.05	1.20
Texas	1.25	2.10	1.55	1.55	1.45	1.10	1.60	1.30	1.25	1.40	1.25	1.00	1.10
Mountain:													
Montana	1.20	1.80	.90	1.30	1.20	----	----	----	----	----	----	----	----
Idaho	.70	1.10	.75	1.10	.75	1.00	1.60	1.05	1.35	2.00	1.35	1.70	1.30
Wyoming	1.25	1.60	1.35	1.50	1.30	----	----	----	----	----	----	----	----
Colorado	.70	1.10	.65	.95	.85	1.10	1.20	1.20	1.45	1.45	1.05	1.50	1.30
New Mexico	.90	1.80	1.25	1.45	1.35	1.80	2.20	1.95	1.80	1.90	1.55	1.40	1.45
Arizona	1.60	1.90	1.90	1.85	1.80	1.70	2.30	2.00	1.80	1.80	2.50	2.45	2.10
Utah	.80	1.10	.80	.95	.60	.90	1.20	.95	1.00	1.35	1.40	1.50	1.25
Nevada	1.60	1.85	1.50	1.60	1.50	1.50	2.30	2.00	2.25	2.00	2.50	1.35	2.20
Pacific:													
Washington	.75	1.30	.90	1.30	.95	.90	1.75	1.00	1.35	1.35	1.05	1.40	.75
Oregon	.70	1.10	.90	1.10	.75	1.20	1.60	1.40	1.70	1.15	1.00	1.40	.75
California	.40	.90	.50	.90	.55	.94	.60	.55	1.36	.54	.90	1.65	.55

[1] Seasonal.

Source of Tables 677 and 678: Bureau of Agricultural Economics, Department of Agriculture.

No. 679.—SUGAR PRODUCTION: CONTINENTAL UNITED STATES AND CERTAIN OUTLYING AREAS, AND WORLD TOTAL

[In thousands of tons of 2,000 pounds. Data represents predominantly raw sugar except as noted]

Yearly average, or year beginning July 1—	Continental United States and outlying areas	Continental United States			Porto Rico [2]	Hawaii [3]	Philippine Islands [4]	World total	Per cent of world total in—	
		Total (in terms of raw) [1]	Beet (chiefly refined)	Cane (chiefly raw)					Continental United States	U. S. and outlying areas
1870–1874	281	73	(5)	72	95	[6] 13	110	(7)	(7)	(7)
1875–1879	347	96	(5)	96	78	20	152	(7)	(7)	(7)
1880–1884	476	131	1	130	87	64	195	(7)	(7)	(7)
1885–1889	542	153	1	152	73	119	196	(7)	(7)	(7)
1890–1894	759	284	14	271	63	145	266	(7)	(7)	(7)
1895–1899	812	326	48	279	56	256	174	10, 844	3.0	7.5
1900–1904	1, 141	543	194	348	115	389	94	13, 321	4.1	8.6
1905–1909	1, 692	868	440	361	255	489	141	15, 793	5.1	10.7
1910–1914	2, 251	986	652	285	363	593	309	19, 853	5.0	11.3
1915–1919	2, 576	1, 069	789	220	466	594	447	18, 873	5.7	13.6
1920–1924	2, 917	1, 233	951	[8] 211	477	622	585	22, 093	5.6	13.2
1925–1929	3, 538	1, 189	996	[8] 118	687	861	801	28, 863	4.1	12.3
1924	3, 469	1, 260	1, 090	[8] 88	660	769	780	26, 670	4.7	13.0
1925	3, 119	1, 121	913	[8] 139	603	787	607	27, 989	4.0	11.1
1926	3, 218	1, 011	897	[8] 47	629	811	767	26, 624	3.8	12.1
1927	3, 699	1, 246	1, 093	[8] 71	749	897	808	28, 508	4.4	13.0
1928	3, 693	1, 273	1, 061	[8] 132	587	899	934	30, 672	4.2	12.0
1929	3, 962	1, 294	1, 018	[8] 200	806	912	[9] 890	29, 524	4.2	13.0
1930 (preliminary)	4, 046	1, 482	1, 208	[8] 184	784	[9] 910	[9] 870	31, 505	4.7	12.8

[1] Beet sugar not converted to raw prior to 1909. [2] For 1900 to 1906, shipments to the United States. [3] Statistics for 1874 to 1880 represent exports. [4] Exports 1871 to 1911, production 1912 and subsequently. [5] Less than 500. [6] One year only. [7] Not available. [8] Louisiana only, beginning 1924. [9] Unofficial estimate; data for Philippine Islands represented estimated commercial crop.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 680.—SUGAR: PRODUCTION, TRADE, AND SUPPLY AVAILABLE FOR CONSUMPTION, CONTINENTAL UNITED STATES

Yearly average or year beginning July 1—	Production (beet and cane only)	Brought in from insular areas [1]	Imports as sugar [2]	Exports as sugar [3]	Exports in other forms	Available for consumption [4]	
						Total	Per capita
	In terms of raw sugar [5]						
	Short tons	*Short tons*	*Short tons*	*Short tons*	*Short tons*	*Short tons*	*Pounds*
1870–1874	72, 508	----------	777, 685	5, 269	(6)	844, 924	40.7
1875–1879	96, 444	----------	830, 375	23, 820	(6)	902, 999	38.1
1880–1884	131, 073	----------	1, 151, 724	39, 347	(6)	1, 243, 449	46.5
1885–1889	152, 879	----------	1, 414, 647	43, 136	(6)	1, 524, 389	50.9
1890–1894	284, 346	----------	1, 864, 201	16, 903	(6)	2, 131, 644	64.3
1895–1899	326, 362	----------	1, 943, 078	5, 660	(6)	2, 264, 380	62.2
1900–1904	542, 798	500, 704	1, 839, 377	7, 301	(6)	2, 875, 638	71.7
1905–1909	808, 015	751, 650	1, 956, 304	32, 423	(6)	3, 483, 547	78.9
1910–1914	985, 531	1, 038, 605	2, 187, 459	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, 849	104.4
1925–1929	1, 189, 000	2, 015, 039	3, 643, 887	158, 468	31, 270	6, 668, 211	111.9
1924	1, 022, 828	1, 098, 314	2, 529, 963	302, 641	13, 685	4, 334, 878	87.9
1925	1, 078, 407	1, 102, 057	2, 689, 067	882, 864	12, 213	3, 974, 453	79.4
1926	1, 193, 107	1, 203, 938	2, 527, 984	676, 752	29, 211	4, 219, 066	83.2
1927	1, 068, 437	975, 684	2, 344, 816	305, 429	46, 131	4, 037, 377	78.5
1928	1, 102, 421	1, 073, 944	2, 799, 962	568, 566	36, 747	4, 371, 013	83.8
1929	903, 069	975, 735	3, 812, 955	776, 502	98, 386	4, 816, 862	91.1
1920	1, 346, 811	1, 076, 342	3, 228, 279	319, 589	89, 491	5, 242, 852	97.7
1921	1, 424, 726	1, 340, 867	3, 940, 777	1, 035, 349	31, 397	5, 589, 624	102.5
1922	1, 021, 360	1, 235, 049	4, 068, 205	412, 196	12, 568	5, 899, 849	106.6
1923	1, 111, 898	1, 274, 870	3, 436, 055	152, 883	24, 017	5, 646, 223	100.5
1924	1, 260, 000	1, 645, 319	3, 931, 282	273, 470	22, 436	6, 540, 695	114.7
1925	1, 121, 000	1, 981, 482	3, 895, 947	325, 804	24, 998	6, 647, 627	114.9
1926	1, 011, 000	1, 689, 347	3, 968, 880	124, 555	26, 303	6, 518, 486	111.1
1927	1, 246, 000	2, 051, 659	3, 415, 830	115, 566	29, 833	6, 568, 090	110.4
1928	1, 273, 000	1, 974, 899	4, 115, 601	139, 324	31, 894	7, 102, 282	119.2
1929	1, 294, 000	2, 377, 808	2, 823, 175	87, 092	43, 320	6, 364, 571	104.0
1930 (preliminary)	1, 482, 000	(7)	(7)	(7)	(7)	(7)	(7)

[1] Includes Hawaii, Porto Rico, and the Philippine Islands; Virgin Islands included after 1916. [2] Imports from the Philippine Islands excluded beginning 1900; reexports deducted. [3] Includes shipments to Hawaii and Porto Rico. Excludes direct exports from them to foreign countries and also reexports of imported raw sugar. [4] Stocks at the beginning or end of year ignored. [5] Except beet sugar production and exports prior to 1909 which are chiefly refined. [6] Not computed. [7] Not yet available.

No. 680.—Sugar: Production, Trade, and Supply Available for Consumption, Continental United States—Continued

Year beginning July 1—	Production	Brought in from insular areas	Imports as sugar	Exports as sugar	Exports in other forms	Available for consumption	
						Total	Per capita
	In terms of refined sugar [8]						
	Short tons	*Short tons*	*Short tons*	*Short tons*	*Short tons*	*Short tons*	*Pounds*
1922	950,625	1,161,351	3,805,745	383,439	11,682	5,522,600	99.8
1923	1,034,615	1,198,777	3,214,883	142,217	22,943	5,283,115	94.0
1924	1,172,000	1,547,587	3,674,563	254,391	20,911	6,118,848	107.3
1925	1,043,000	1,859,332	3,634,323	303,073	23,298	6,210,284	107.3
1926	941,000	1,588,981	3,714,054	115,865	24,514	6,103,656	104.0
1927	1,159,000	1,930,732	3,196,443	107,704	27,805	6,150,666	103.3
1928	1,134,000	1,858,331	3,851,311	129,846	29,726	6,734,070	111.6
1929	1,204,000	2,239,160	2,641,711	81,167	40,375	5,963,329	97.5
1930 (preliminary)	1,379,000	[7]	[7]	[7]	[7]	[7]	[7]

[7] Not yet available.
[8] Raw sugar converted to refined by multiplying by the following factors: Cuba and Hawaii, 0.9358; Porto Rico, 0.9393; Philippine Islands, 0.95; all others, 0.932.

No. 681.—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]—		
		Domestic	Noncontiguous territory	All foreign countries			Domestic	Noncontiguous territory	All foreign countries
1870–1874	[2]	8.6	13.4	78.0	1916	22.7	28.3	28.5	43.2
1875–1879	[2]	10.7	13.5	75.8	1917	19.9	26.6	24.2	49.4
1880–1884	[2]	10.5	17.1	72.4	1918	23.3	25.2	24.6	50.2
1885–1889	[2]	10.0	18.8	71.2	1919	26.8	18.7	20.3	61.0
1890–1894	[2]	13.3	11.1	75.6	1920	26.8	25.7	20.5	53.8
1895–1899	20.9	14.4	13.4	72.1	1921	27.2	25.5	24.0	50.5
1900–1904	21.6	18.9	17.4	63.7	1922	28.3	17.3	20.9	61.8
1905–1909	22.0	23.0	21.6	55.3	1923	24.8	19.7	22.6	57.7
1910–1914	20.7	24.0	25.3	50.7	1924	24.5	19.3	25.2	55.6
1915–1919	22.7	25.0	24.9	50.2	1925	23.8	16.9	29.8	53.3
1920–1924	26.2	21.3	22.7	56.0	1926	24.5	15.5	25.9	58.6
1925–1929	23.1	17.9	30.1	51.9	1927	[1]23.0	19.0	31.2	49.8
1913	21.0	24.5	21.1	54.4	1928	23.4	17.7	27.5	54.8
1914	20.8	23.6	25.3	51.1	1929	20.9	20.3	37.4	42.3
1915	21.0	27.1	27.7	45.1					

[1] Exports assumed to be wholly from sugar imported from foreign countries. [2] Not available.

No. 682.—Sugar: Wholesale Prices of Raw and Refined, New York

[Cents per pound]

Yearly average or year	Raw, 96° centrifugal	Refined, granulated	Year and month	Raw, 96° centrifugal	Refined, granulated	Year and month	Raw, 96° centrifugal	Refined, granulated	Year and month	Raw, 96° centrifugal	Refined, granulated
1891–1895	3.5	4.4	1928			1929			1930		
1896–1900	4.1	4.8	Jan	4.5	5.7	Jan	3.8	5.0	Jan	3.7	5.1
1901–1905	3.9	4.9	Feb	4.3	5.6	Feb	3.7	4.9	Feb	3.7	4.9
1906–1910	4.0	4.8	Mar	4.5	5.7	Mar	3.7	4.8	Mar	3.6	4.9
1911–1915	4.1	5.0	Apr	4.5	5.8	Apr	3.7	4.8	Apr	3.5	4.8
1916–1920	7.8	8.8	May	4.5	5.9	May	3.6	4.9	May	3.2	4.8
1921–1925	5.3	6.7	June	4.3	5.9	June	3.5	4.9	June	3.2	4.5
1926–1930	4.1	5.3	July	4.2	5.7	July	3.8	5.2	July	3.3	4.6
1925	4.3	5.5	Aug	4.1	5.5	Aug	3.8	5.4	Aug	3.2	4.4
1926	4.3	5.5	Sept	4.2	5.6	Sept	4.0	5.3	Sept	3.1	4.3
1927	4.7	5.8	Oct	3.9	5.2	Oct	4.0	5.4	Oct	3.3	4.4
1928	4.2	5.6	Nov	3.9	5.1	Nov	3.8	5.0	Nov	3.4	4.7
1929	3.8	5.1	Dec	3.9	5.2	Dec	3.8	5.0	Dec	3.3	4.6
1930	3.4	4.7									

Sources: Table 680, Bureau of Agricultural Economics, Department of Agriculture; Table 681, 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 679 and 680; Table 682, Bureau of Labor Statistics, Department of Labor.

No. 683.—SUGAR BEETS AND BEET SUGAR: PRODUCTION

NOTE.—Prior to 1924 acreage and production of beets are accredited to State in which made into sugar and include a small quantity produced in Canada for United States factories. "Per cent 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] (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)	Per cent of sucrose— In beets	Per cent of sucrose— Extracted
United States:										
1901–1905	227,841	2,079	9.22	4.89	10,166	45	2,079	240	15.03	11.50
1906–1910	386,052	3,910	10.13	[2] 5.18	20,254	63	3,910	479	15.78	12.27
1911–1915	540,777	5,654	10.17	5.63	30,836	67	5,477	724	16.17	13.18
1916–1920	697,649	6,623	8.88	9.38	58,156	88	6,200	832	15.85	13.41
1921–1925	694,400	6,981	10.05	7.47	51,991	88	6,606	916	15.74	13.86
1926–1930	701,000	7,719	11.01	-------	[2] 54,180	80	7,402	1,055	15.71	14.23
1921	815,000	7,782	9.55	6.35	49,392	92	7,414	1,020	15.77	13.79
1922	530,000	5,183	9.77	7.91	41,017	81	4,963	675	15.44	13.01
1923	657,000	7,006	10.66	8.99	62,965	89	6,565	881	15.30	13.37
1924	815,000	7,489	9.20	7.99	59,838	90	7,075	1,090	17.19	15.41
1925	647,000	7,381	11.40	6.39	47,177	88	6,993	913	14.86	13.06
1926	677,000	7,223	10.67	7.61	54,964	78	6,782	897	14.94	13.23
1927	721,000	7,753	10.75	7.67	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	16.73	15.42
1929	688,000	7,318	10.6	7.08	51,824	79	7,117	1,018	15.64	14.22
1930	776,000	9,201	11.9	-------	-------	78	8,789	1,208	15.22	13.70
California:										
1927	59,000	476	8.1	9.28	4,418	7	470	84	18.72	17.87
1928	49,000	638	13.0	8.03	5,121	5	630	103	18.14	16.35
1929	46,000	545	11.8	7.28	3,966	5	524	91	17.62	16.41
1930	65,000	768	11.8	-------	-------	5	753	124	17.86	16.50
Colorado:										
1927	218,000	2,774	12.7	7.84	21,758	17	2,652	381	15.38	14.37
1928	179,000	2,394	13.4	6.97	16,687	17	2,410	384	16.51	15.93
1929	210,000	2,612	12.4	6.93	18,106	17	2,505	348	14.51	13.57
1930	242,000	3,312	13.7	-------	-------	17	3,126	407	14.10	13.02
Idaho:										
1927	29,000	381	13.1	7.50	2,854	5	373	61	17.69	16.35
1928	27,000	297	11.0	7.44	2,210	6	317	53	17.86	16.72
1929	48,000	492	10.2	7.17	3,530	8	492	79	17.39	16.06
1930	44,000	446	10.1	-------	-------	7	427	66	16.56	15.40
Michigan:										
1927	99,000	698	7.0	7.16	4,996	14	780	109	16.28	13.97
1928	71,000	452	6.4	7.22	3,263	12	458	64	16.30	13.97
1929	52,000	300	5.8	7.94	2,381	9	364	57	17.60	15.38
1930	74,000	513	6.9	-------	-------	10	567	86	16.97	14.95
Montana:										
1927	32,000	364	11.4	8.22	2,996	3	343	54	17.03	15.74
1928	28,000	258	9.2	7.36	1,897	4	275	44	17.38	16.00
1929	38,000	386	10.2	7.29	2,815	4	348	54	17.17	15.52
1930	45,000	572	12.7	-------	-------	4	522	75	15.94	14.29
Nebraska:										
1927	82,000	1,036	12.6	7.96	8,241	7	1,012	134	15.12	13.24
1928	86,000	1,021	11.9	6.98	7,127	7	975	140	16.27	14.97
1929	92,000	1,054	11.5	6.96	7,332	7	1,068	140	14.71	13.11
1930	81,000	1,136	14.0	-------	-------	7	1,095	136	14.27	12.44
Ohio:										
1927	37,000	325	8.8	7.00	2,272	4	249	36	16.87	14.46
1928	38,000	266	7.0	7.13	1,897	5	238	31	16.09	13.03
1929	20,000	174	8.7	7.55	1,314	4	121	17	16.20	14.05
1930	31,000	286	9.2	-------	-------	4	223	33	15.54	13.34
Utah:										
1927	55,000	677	12.3	7.03	4,761	11	623	94	16.69	15.09
1928	51,000	637	12.5	7.03	4,478	11	568	90	17.28	15.85
1929	45,000	565	12.6	7.05	3,986	10	523	77	16.42	14.72
1930	44,000	553	12.6	-------	-------	8	517	78	16.30	15.13
Wisconsin:										
1927	11,000	90	8.2	7.00	633	3	100	13	16.00	13.00
1928	8,000	74	9.2	7.35	543	3	86	12	16.56	13.95
1929	8,000	56	7.0	7.29	408	3	65	10	17.88	15.38
1930	12,000	102	8.5	-------	-------	3	115	15	15.96	12.91
Wyoming:										
1927	37,000	431	11.6	7.07	3,303	4	363	57	16.97	15.49
1928	44,000	462	10.5	7.21	3,326	4	368	59	17.16	16.03
1929	47,000	487	10.4	7.18	3,495	4	441	66	16.35	14.97
1930	46,000	646	14.0	-------	-------	5	657	94	15.90	14.37

[1] Beets used 1901 to 1912. [2] Four-year average.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 684.—LOUISIANA SUGAR CANE, 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 687). 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	----------	230,200	3,496	15.2	150	236	134.9	20,666	88
1916–1920	----------	211,789	3,286	15.5	133	224	136.1	22,956	103
1921–1925	305,320	207,589	2,844	13.7	103	202	141.9	18,247	90
1926–1930	165,569	124,111	1,833	14.8	56	127	138.2	12,656	100
1921	294,500	226,366	4,181	18.5	124	324	155.2	25,423	78
1922	319,600	241,433	3,778	15.6	112	295	156.2	22,719	77
1923	317,500	217,259	2,387	11.1	105	152	135.8	15,719	97
1924	301,100	162,640	1,228	7.6	82	88	144.1	9,500	109
1925	263,000	190,248	2,645	14.0	91	139	105.4	17,783	128
1926	198,000	127,916	864	6.8	54	47	109.1	6,614	141
1927	105,000	72,987	962	13.4	46	71	147.2	6,624	93
1928	151,680	114,991	1,860	16.2	55	132	141.9	13,535	103
1929	186,114	155,445	2,918	18.8	65	200	136.8	19,619	98
1930	187,050	149,217	2,569	17.1	61	184	143.6	16,887	92

SUGAR MADE (1,000 TONS)

1906	258	1911	353	1916	304	1921	324
1907	381	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	169	1925	139

No. 685.—HAWAIIAN SUGAR CANE AND CANE SUGAR

NOTE.—Figures are for years ending September 30. All 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)	Amount (1,000 tons)	Per cent of cane used
1913–1915	----------	113,500	4,854	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	239,194	128,271	7,299	57	861	11.80
1921	236,500	113,100	4,657	41	522	11.20
1922	229,000	124,000	5,088	41	592	11.64
1923	235,000	114,000	4,560	40	537	11.77
1924	232,000	111,000	5,661	51	691	12.21
1925	241,000	122,000	6,297	52	769	12.21
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

TOTAL, ALL ISLANDS: SUGAR MADE (1,000 TONS)

1906	429	1911	567	1916	593	1921	522
1907	440	1912	595	1917	645	1922	592
1908	521	1913	547	1918	577	1923	537
1909	535	1914	612	1919	600	1924	691
1910	517	1915	646	1920	556	1925	769

Sources: Table 684 and Table 685 prior to 1926, Bureau of Agricultural Economics, Department of Agriculture; Table 685, beginning 1926, Hawaiian Sugar Planters Association.

No. 686.—MAPLE SUGAR AND SIRUP: PRODUCTION BY STATES

State and year	Trees tapped	Sugar made	Sirup made	Total product in terms of sugar [1]
CENSUS RETURNS				
United States:	*Thousands*	*1,000 pounds*	*1,000 gallons*	*1,000 pounds*
1850		40,120	1,598	52,901
1860		28,444	921	35,812
1879		36,576	1,790	50,944
1889		32,953	2,258	51,020
1899		11,929	2,057	28,382
1909	18,000	14,024	4,106	46,912
1919	17,457	9,692	3,508	37,754
DEPARTMENT OF AGRICULTURE [2]				
Total:				
1921	15,114	4,730	2,386	23,818
1922	16,274	5,147	3,640	34,267
1923	15,291	4,685	3,605	33,525
1924	15,407	4,078	3,903	35,302
1925	15,313	3,236	3,089	27,948
1926	14,712	3,569	3,737	33,465
1927	14,603	3,133	3,671	32,501
1928	14,388	2,317	3,007	26,373
1929	14,130	1,706	2,595	22,466
1930	14,395	2,586	3,969	34,338
1931 [3]	13,548	1,628	2,520	21,788
Maine:				
1928	304	3	38	307
1929	307	14	50	214
1930	307	38	47	414
1931 [3]	307	5	32	261
New Hampshire:				
1928	806	274	137	1,370
1929	766	231	177	1,647
1930	774	315	188	1,810
1931 [3]	789	161	113	1,065
Vermont:				
1928	5,723	1,133	1,038	9,437
1929	5,665	966	1,083	9,630
1930	5,778	1,239	1,398	12,428
1931 [3]	5,316	838	593	5,582
Massachusetts:				
1928	280	134	67	670
1929	288	50	46	418
1930	288	134	84	806
1931 [3]	271	38	45	406
New York:				
1928	3,647	549	718	6,293
1929	3,647	334	615	5,254
1930	3,720	686	1,123	9,670
1931 [3]	3,274	363	579	4,995
Pennsylvania:				
1928	607	67	157	1,323
1929	565	43	85	723
1930	565	87	224	1,879
1931 [3]	520	78	129	1,110
Ohio:				
1928	1,583	58	480	3,898
1929	1,425	15	246	1,983
1930	1,439	21	442	3,557
1931 [3]	1,482	37	529	4,269
Michigan:				
1928	869	70	208	1,734
1929	886	40	163	1,344
1930	904	47	289	2,359
1931 [3]	913	77	310	2,557
Wisconsin:				
1928	570	29	164	1,341
1929	581	13	130	1,053
1930	620	19	174	1,411
1931 [3]	676	31	189	1,543

[1] 1 gallon of sirup taken as equivalent to 8 pounds of sugar.
[2] Totals cover the 9 States listed, except that for 1921 to 1923 Connecticut, which produced only a negligible quantity of sugar and sirup, and prior to 1927 Indiana, are included. The 11 States included for 1921 to 1923 produced 97.1 per cent of the maple sugar and 97.2 per cent of the maple sirup made in the United States in 1919, and had 98.1 per cent of the trees tapped as reported by the Bureau of the Census.
[3] Preliminary.

No. 687.—SUGAR CANE AND SIRUP IN SOUTHERN STATES

NOTE.—Sorghum, sometimes confused with sugar cane, is not included. For molasses, a by-product of sugar refineries and not included in this table, see Table 684

State and year	Cane harvested for sirup	Sirup produced
		1,000 gallons
All States:	*Acres*	
1922	214,300	41,611
1923	200,000	33,620
1925	125,000	20,400
1926	132,000	22,172
1927	114,000	20,830
1928	110,000	20,401
1929	117,000	22,114
1930	116,000	19,176
South Carolina:		
1928	6,000	750
1929	6,000	900
1930	6,000	900
Georgia:		
1928	29,000	4,060
1929	33,000	5,280
1930	31,000	4,650
Florida:		
1928	8,000	1,440
1929	9,000	1,710
1930	9,000	1,530
Alabama:		
1928	16,000	1,872
1929	17,000	2,125
1930	17,000	2,380
Mississippi:		
1928	18,000	3,600
1929	22,000	5,060
1930	19,000	2,470
Louisiana:		
1928	20,000	6,079
1929	17,000	5,773
1930	22,000	6,208
Texas:		
1928	11,000	1,760
1929	11,000	1,056
1930	10,000	930
Arkansas:		
1928	2,000	240
1929	2,000	210
1930	2,000	108

Source of Tables 686 and 687. Bureau of Agricultural Economics, Department of Agriculture, except data for 1859 to 1919, Table 686, which are from the Bureau of the Census, Department of Commerce.

No. 688.—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 year ended July 31 or June 30—	Cottonseed		Cottonseed products														
			Production				Value					Value per unit				Exports	
	Production	Used in mills	Oil	Meal and cake	Hulls	Linters	All products	Oil	Meal and cake	Hulls	Linters	Oil	Meal and cake	Hulls	Linters	Oil	Meal and cake
	1,000 tons	*1,000 tons*	*1,000 pounds*	*1,000 tons*	*1,000 tons*	*Bales* [1]	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*Cents per lb.*	*Dollars per ton*	*Dollars per ton*	*Cents per pound*	*1,000 pounds*	*1,000 tons*
1881–1890	3,018	553	165,810	193			12,064	7,864	4,300			4.7	22.25			34,038	
1891–1900	4,280	1,625	483,015	570	[2] 1,169	114,544	26,580	13,348	11,733	[2] 3,190	[2] 1,800	2.8	20.68	[2] 2.73	3.1	191,157	[3] 388
1901–1905	5,139	3,085	890,745	1,130	1,382	167,327	65,148	34,038	22,824	5,400	2,880	3.8	20.19	3.91	3.4	297,888	548
1906–1910	5,253	3,296	99,450	1,339	1,215	282,064	83,424	40,432	32,236	7,242	3,514	40.7	24.07	6.06	2.5	311,463	578
1911–1915	6,353	4,847	1,466,940	2,162	1,527	595,225	143,766	75,334	51,580	10,126	6,526	5.1	23.86	6.63	2.2	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	45.18	13.58	5.6	172,878	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	4.9	106,371	258
1926–1930	6,784	5,319	1,631,597	2,409	1,495	1,117,754	247,765	132,413	81,514	11,294	22,544	8.1	33.84	7.55	4.0	48,762	328
1918	5,040	4,252	1,312,470	2,068	996	1,080,802	360,736	217,902	97,352	18,878	26,604	16.6	47.08	18.95	4.9	100,780	22
1919	5,360	4,479	1,325,333	2,170	1,137	889,500	383,580	227,316	116,119	17,917	22,228	17.2	53.51	15.76	5.0	178,710	156
1920	5,074	4,013	1,211,464	1,817	1,143	584,146	352,138	208,668	119,039	11,095	12,336	17.3	65.51	9.71	4.2	159,400	225
1921	5,971	4,069	1,309,183	1,786	1,256	422,226	156,513	84,650	58,298	10,059	3,506	6.5	32.84	8.00	1.7	283,268	227
1922	3,531	3,008	930,475	1,355	937	383,547	136,974	71,508	49,898	8,949	6,619	7.7	36.84	9.55	3.5	91,615	266
1923	4,336	3,242	1,002,922	1,487	944	584,177	173,254	84,818	59,037	12,200	17,199	8.5	39.70	12.93	5.9	64,292	227
1924	4,502	3,308	979,617	1,518	941	642,348	182,137	88,093	59,300	12,737	22,007	9.0	39.06	13.54	6.9	39,418	125
1925	6,051	4,605	1,403,781	2,126	1,331	859,624	240,855	126,665	79,173	13,749	21,268	9.0	37.24	10.33	4.9	53,261	443
1926	7,150	5,558	1,617,015	2,597	1,547	1,068,919	256,027	138,652	81,508	12,649	23,218	8.6	31.39	8.17	4.3	63,230	358
1927	7,089	6,306	1,887,910	2,840	1,854	1,112,019	240,284	142,242	72,476	8,882	16,684	7.5	25.52	4.79	3.0	57,580	495
1928	5,758	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	5.1	61,470	332
1929	6,435	5,061	1,604,131	2,282	1,368	1,234,287	265,247	133,906	90,706	12,842	27,793	8.4	39.75	9.39	4.5	29,531	286
1930	6,590	5,016	1,572,322	2,232	1,384	1,195,676	229,440	114,892	82,296	12,103	20,149	7.3	36.87	8.74	3.4	31,998	170
Alabama	596	348	109,210	150	103	67,121	15,271	7,939	5,295	922	1,115	7.3	35.30	8.95	3.3		
Arizona	68	62	20,124	28	19	11,155	2,888	1,471	1,027	153	237	7.3	36.68	8.05	4.2		
Arkansas	638	430	135,157	181	125	111,523	19,778	10,150	6,871	949	1,808	7.5	37.96	7.59	3.2		
California	115	113	37,469	55	28	24,045	5,706	2,724	2,078	355	549	7.3	37.78	12.68	4.6		
Georgia	596	486	153,535	215	136	103,143	20,830	10,625	7,242	1,255	1,708	6.9	33.68	9.23	3.3		
Louisiana	359	233	73,259	107	63	56,440	10,823	5,538	3,819	516	950	7.6	35.69	8.19	3.4		
Mississippi	851	809	270,595	336	230	225,990	37,927	20,105	11,710	1,560	4,552	7.4	34.85	6.78	4.0		
North Carolina	331	267	87,962	117	68	60,046	11,921	6,377	3,960	603	981	7.2	33.85	8.87	3.3		
Oklahoma	508	357	108,568	171	88	85,258	16,747	7,076	6,952	870	1,249	7.1	40.65	9.89	2.9		
South Carolina	368	220	68,207	99	56	49,759	9,310	4,686	3,328	556	740	6.9	33.62	9.93	3.0		
Tennessee	229	337	105,498	137	103	84,322	14,986	7,910	4,971	679	1,426	7.5	36.28	6.59	3.4		
Texas	1,756	1,284	380,779	606	344	298,987	59,998	28,063	23,880	3,533	4,522	7.4	39.41	10.27	3.0		
Other States	175	70	21,998	30	20	17,887	3,255	1,628	1,163	152	312	7.4	38.77	7.60	3.5		

[1] Of 500 pounds net. [2] Figures for 1900. [3] Six-year average, 1895–1900. Source: Bureau of the Census, Department of Commerce.

No. 689.—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) [1]

Year or yearly average (growth year)	Production	Consumption	Domestic exports	Net imports	Year (growth year)	Production	Consumption	Domestic exports	Net imports
1790	3	11	(2)	1	1907	11,375	4,493	7,780	141
1800	73	19	32	9	1908	13,587	5,199	8,800	165
1810	178	36	124	(2)	1909	10,315	4,759	6,492	151
1820	335	100	250	(2)	1910	12,006	4,713	8,026	231
1830	732	130	554	(2)	1911	16,250	5,400	11,081	229
1840	1,348	245	1,060	1	1912	14,313	5,807	9,199	225
1850	2,136	423	1,854	(2)	1913	14,795	5,943	9,256	266
1860	3,841	842	615	----	1914	15,906	5,597	8,323	364
1870	4,025	1,027	2,923	2	1915	11,068	6,398	5,896	421
1866–1875	3,104	1,007	2,164	3	1916	11,364	6,789	5,300	288
1876–1885	5,452	1,708	3,721	6	1917	11,248	6,566	4,288	217
1886–1895	7,636	2,473	5,174	52	1918	11,906	5,766	5,592	197
1896–1900	10,133	3,455	6,907	115	1919	11,326	6,420	6,545	683
					1920	13,271	4,893	5,745	211
1901–1905	11,007	4,330	7,210	141					
1906–1910	12,176	4,828	8,002	178	1921	7,978	5,910	6,134	352
1911–1915	14,895	6,125	8,975	301	1922	9,729	6,666	4,823	450
1916–1920	12,817	6,770	5,836	319	1923	10,171	5,681	5,656	272
1921–1925	12,247	6,864	6,855	338	1924	13,639	6,193	8,005	303
					1925	16,123	6,456	8,051	314
1901	9,676	4,080	6,870	190					
1902	10,827	4,187	6,914	149	1926	17,755	7,190	10,927	382
1903	10,046	3,981	6,234	100	1927	12,783	6,834	7,540	321
1904	13,080	4,523	9,057	130	1928	14,207	7,091	8,044	442
1905	10,805	4,877	6,975	133	1929	14,548	6,106	8,690	368
1906	13,595	4,974	8,825	203	1930 (prel.)	13,756	5,271	6,760	102
1914	832	412	222	----	1923	640	537	116	----
1915	945	881	295	----	1924	858	659	191	----
1916	1,300	870	439	----	1925	1,044	804	104	----
1917	1,096	1,119	188	----	1926	1,042	806	257	----
1918	910	468	72	----	1927	875	780	193	----
1919	505	342	53	----	1928	1,086	879	186	----
1920	429	516	51	----	1929	1,038	805	118	----
1921	382	639	132	----	1930	824	709	112	----
1922	591	646	41	----					

AVERAGE PRICE, UPLAND LINT COTTON, CENTS PER POUND [3]

1790	26.0	1906–1910	11.8	1913	12.5	1929	16.3
1800	44.0	1911–1915	10.4	1914	7.3	1930:	
1810	15.5	1916–1920	24.9	1915	11.2	August	11.4
1820	14.3	1921–1925	22.2	1916	17.3	September	9.9
						October	9.2
1830	9.7	1901	8.1	1917	27.1	November	9.6
1840	9.5	1902	8.2	1918	28.8	December	8.7
1850	12.1	1903	12.2	1919	35.4	1931:	
1860	13.0	1904	8.7	1920	15.8	January	8.6
1870	17.0	1905	10.9	1921	16.9	February	9.1
						March	9.6
1871–1875	16.7	1906	10.0	1922	22.9	April	9.3
1876–1880	11.4	1907	11.5	1923	28.7	May	8.8
1881–1885	10.7	1908	9.2	1924	22.9	June	7.7
1886–1890	10.3	1909	14.3	1925	19.6	July	8.5
1891–1895	7.5	1910	14.0	1926	12.5		
1896–1900	6.9	1911	9.6	1927	20.2		
1901–1905	9.0	1912	11.5	1928	18.0		

[1] Production, consumption, and exports of cotton include linters prior to 1914.
[2] Less than 500 bales.
[3] See headnote.

Source: Bureau of the Census. See Bulletin 167, p. 57, of that bureau for original sources.

No. 690.—EXPORTS OF UNITED STATES COTTON (INCLUDING LINTERS)

Yearly average or year ended June 30—	Total value (thousands of dollars)	Quantity in thousands of equivalent 500-pound bales, exported to—										
		All countries	Total Europe	United Kingdom	Germany	France	Italy	Spain	Belgium	Russia [1]	Japan	Canada
1866–1875	205, 285	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	[2] 8	64
1896–1900	220, 557	6, 465	6, 163	2, 968	1, 523	715	367	239	122	86	167	96
1901–1905	334, 256	7, 097	6, 769	3, 096	1, 812	778	431	251	139	121	158	113
1906–1910	437, 582	7, 850	7, 510	3, 243	2, 180	956	486	254	130	99	183	133
1911–1915	537, 044	9, 318	8, 706	3, 804	2, 196	1, 031	648	327	164	91	363	165
1916–1920	765, 515	5, 920	4, 972	*2, 790*	[3] 421	795	614	310	[4] 141	[5] 60	661	211
1921–1925	764, 101	6, 386	5, 405	1, 803	1, 390	764	584	272	186	[6] 138	713	189
1926–1930	828, 920	8, 774	6, 984	1, 937	2, 149	946	758	318	228	335	1, 244	255
1916	374, 186	6, 168	5, 273	2, 761	-------	890	837	340	-------	173	503	193
1917	543, 073	6, 176	5, 328	2, 895	-------	1, 050	687	394	-------	49	531	187
1918	655, 025	4, 641	3, 783	2, 387	-------	659	369	259	-------	16	584	250
1919	873, 580	5, 526	4, 497	2, 494	-------	774	558	281	73	-------	809	203
1920	1, 331, 703	7, 087	5, 977	3, 445	421	596	617	275	210	-------	876	217
1921	600, 185	5, 623	4, 775	1, 787	1, 152	591	558	261	166	-------	555	169
1922	596, 379	6, 718	5, 476	1, 807	1, 617	820	469	342	186	-------	895	201
1923	658, 983	5, 253	4, 314	1, 403	946	704	572	250	186	7	679	217
1924	903, 975	5, 899	5, 129	1, 695	1, 346	751	564	216	169	120	584	152
1925	1, 060, 980	8, 349	7, 332	2, 623	1, 892	951	756	290	224	286	850	207
1926	917, 720	8, 212	6, 712	2, 298	1, 690	944	745	315	203	236	1, 118	254
1927	866, 923	11, 560	9, 071	2, 673	2, 982	1, 089	845	364	298	485	1, 044	281
1928	820, 537	8, 120	6, 640	1, 465	2, 222	940	715	321	221	448	1, 007	246
1929	868, 210	8, 739	6, 801	1, 934	2, 011	873	772	302	228	341	1, 373	286
1930	671, 201	7, 239	5, 693	1, 315	1, 840	887	713	286	191	165	1, 078	210

[1] Includes Finland, Estonia, Latvia, and Poland prior to 1919.
[2] 5-year average, 1891–1895.
[3] One year only, 1920.
[4] Average for 1919 and 1920.
[5] Average for 1916–1919.
[6] Average for 1923–1925.

No. 691.—COFFEE: IMPORTS AND REEXPORTS

NOTE.—Imports and reexports in thousands of pounds.—Years ended June 30 through 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*

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. 3	1901	857, 018	45, 835	10. 43	7. 4
1840	94, 996	8, 698	5. 04	8. 8	1902	1, 092, 344	35, 125	13. 32	6. 4
1850	145, 273	15, 481	5. 58	7. 6	1903	923, 254	48, 849	10. 80	6. 6
1851–1860	203, 190	14, 710	6. 78	9. 0	1904	998, 677	35, 102	11. 67	7. 0
1861–1870	173, 290	8, 229	4. 66	10. 5	1905	1, 046, 023	37, 087	11. 98	8. 1
1871–1880	331, 925	7, 911	7. 19	14. 7	1906	853, 800	19, 133	9. 72	8. 6
1881–1890	513, 039	24, 725	8. 52	10. 8	1907	986, 596	11, 627	11. 15	7. 9
1891–1895	585, 270	8, 788	8. 61	[1] 10. 8	1908	892, 092	17, 115	9. 82	7. 6
1896–1900	761, 715	21, 819	10. 07	8. 9	1909	1, 051, 750	15, 188	11. 43	7. 5
1901–1905	*983, 464*	*40, 400*	*11. 65*	*7. 1*	*1910*	*873, 984*	*13, 569*	*9. 33*	*7. 9*
1906–1910	931, 644	15, 326	10. 29	7. 9	1911	878, 322	8, 371	9. 29	10. 3
1911–1915	952, 906	21, 493	9. 65	11. 5	1912	887, 748	7, 196	9. 26	13. 3
1916–1920 [2]	1, 227, 214	67, 382	11. 20	13. 2	1913	866, 054	7, 135	8. 90	13. 8
1921–1925	1, 343, 579	40, 594	11. 63	15. 4	1914	1, 006, 362	13, 811	10. 14	11. 1
1926–1930	1, 498, 291	24, 222	12. 30	18. 9	1915	1, 126, 042	70, 953	10. 62	9. 6
1885	572, 600	33, 335	9. 52	8. 2	1916	1, 203, 841	75, 818	11. 20	9. 6
1886	564, 708	27, 496	9. 27	7. 6	1917	1, 322, 059	57, 503	12. 38	10. 1
1887	520, 109	25, 290	8. 46	10. 7	1918	1, 145, 956	65, 598	10. 43	9. 0
1888	423, 646	15, 083	6. 75	14. 0	1918 (6 mos.)	436, 771	23, 815	-------	10. 0
1889	578, 397	17, 265	9. 08	13. 0	1919	1, 341, 306	93, 021	11. 89	19. 5
1890	499, 159	8, 997	7. 77	16. 0	1920	1, 299, 743	54, 846	11. 68	19. 5
1891	519, 528	8, 487	7. 94	[1] 19. 0	1921	1, 345, 367	41, 821	12. 05	10. 7
1892	640, 211	10, 539	9. 59	[1] 20. 0	1922	*1, 248, 938*	*35, 576*	*11. 04*	*12. 9*
1893	563, 469	12, 074	8. 23	14. 0	1923	1, 412, 233	31, 898	12. 38	13. 5
1894	550, 934	3, 865	8. 01	16. 4	1924	1, 423, 758	39, 213	12. 23	17. 5
1895	652, 209	8, 974	9. 24	14. 7	1925	1, 287, 601	27, 833	10. 97	22. 3
1896	580, 598	7, 926	8. 08	14. 6	1926	1, 495, 517	26, 029	12. 61	21. 6
1897	737, 646	13, 086	10. 04	11. 1	1927	1, 444, 124	24, 029	12. 02	18. 5
1898	870, 514	18, 823	11. 59	7. 5	1928	1, 460, 860	19, 318	12. 03	21. 3
1899	*831, 827*	*30, 070*	*10. 72*	*6. 5*	1929	1, 486, 253	16, 998	12. 09	20. 4
1900	787, 992	39, 191	9. 84	6. 7	1930	1, 604, 701	34, 138	12. 75	13. 1

[1] Overvalued, due to depreciation of Brazilian paper milreis. [2] Average, July 1, 1915, to Dec. 31, 1920.
Source of Tables 690 and 691: Bureau of Foreign and Domestic Commerce.

No. 692.—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 601: 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
1830	6,873	1,532	0.54	1916–1920 [1]	106,988	22,528	1.03	1919	65,074	15,056	0.62
1840	16,883	4,067	.99	1921–1925	92,202	30,829	.83	1920	87,801	23,408	.83
1850	28,200	3,982	1.21	1926–1930	88,654	26,604	.74	1921	75,002	13,797	.69
1851–1860	21,028	5,361	.76	1911	99,367	17,166	1.06	1922	93,888	23,067	.85
1861–1870	32,394	8,969	.91	1912	100,395	18,057	1.06	1923	102,157	28,860	.92
1871–1880	69,536	18,550	1.32	1913	93,911	17,295	.97	1924	90,496	26,608	.80
1881–1890	76,534	15,071	1.34	1914	90,148	16,599	.92	1925	99,567	30,957	.87
1891–1895	89,675	13,689	1.34	1915	92,174	16,763	.93	1926	94,512	30,555	.81
1896–1900	86,217	11,357	1.17	1916	109,075	20,442	1.08	1927	87,896	27,691	.74
1901–1905	95,814	13,849	1.18	1917	102,739	19,008	1.01	1928	88,843	26,815	.74
1906–1910	93,595	15,211	1.05	1918	147,379	29,469	1.42	1929	88,247	25,444	.73
1911–1915	95,199	17,176	.99	1918 [2]	76,365	16,461		1930	83,773	22,214	.68

[1] Average for period July 1, 1915, to Dec. 31, 1920. [2] June 30 to Dec. 31, 1918.

No. 693.—COCOA AND CHOCOLATE: IMPORTS

[NOTE.—Quantity in thousands of pounds; value in thousands of dollars.]

Yearly average or year [1]	Cocoa or cacao beans and chocolate [2]		Year [1]	Cocoa or cacao beans and chocolate [2]		Year [1]	Cocoa or cacao beans and chocolate [2]	
	Quantity	Value		Quantity	Value		Quantity	Value
1871–1880 [3]	5,132	706	1907	97,060	14,579	1919	392,365	58,342
1881–1890	13,504	1,891	1908	86,605	15,284	1920	344,986	54,811
1891–1900	29,408	4,120	1909	32,661	15,562	1921	306,568	23,566
1901–1905	63,600	8,260	1910	111,070	11,966	1922	347,010	32,571
1906–1910	102,304	13,378	1911	140,970	15,261	1923	416,818	34,396
1911–1915	161,473	19,002	1912	148,786	16,590	1924	382,029	30,152
1916–1920	346,583	45,480	1913	143,510	18,177	1925	387,108	39,412
1921–1925	367,907	32,019	1914	179,373	21,504	1926	433,117	44,227
1926–1930	429,338	47,044	1915	194,734	23,478	1927	431,049	58,291
1904	75,071	9,601	1916	244,911	34,602	1928	388,635	49,216
1905	77,383	9,484	1917	390,838	41,674	1929	515,571	51,271
1906	84,127	9,699	1918	360,015	37,972	1930	378,320	32,214

[1] Fiscal years through 1915; calendar years thereafter. [2] Includes prepared except confectionery
[3] Includes 3-year average for quantity of chocolate and 9-year average for its value.

No. 694.—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 [1]	Unmanufactured silk, imports			Silk manufactures, value		Year [1]	Unmanufactured silk, imports			Silk manufactures, value	
	Quantity	Value	Average price per pound	Imports [2]	Exports		Quantity	Value	Average price per pound	Imports [2]	Exports
1871–1880	[3] 1,340	[3] 6,300	$4.77	27,063	53	1913	32,102	84,915	2.65	27,596	2,401
1881–1890	5,328	16,775	3.15	34,162	83	1914	34,546	100,930	2.92	35,458	2,316
1891–1900	9,259	26,843	2.90	29,775	208	1915	31,053	83,131	2.68	25,050	2,754
1901–1905	15,798	45,968	2.91	32,215	425	1916	40,872	149,785	3.66	37,110	6,363
1906–1910	20,281	67,414	3.32	33,725	835	1917	43,428	189,758	4.37	39,763	8,608
1911–1915	30,190	82,703	2.74	28,306	2,210	1918	48,721	194,199	3.99	28,569	17,982
1916–1920	45,641	235,332	5.16	47,121	16,735	1919	55,522	341,887	6.16	54,746	23,903
1921–1925	62,030	356,287	5.74	40,941	12,992	1920	39,560	301,038	7.60	75,419	26,821
1926–1930	86,458	374,715	4.33	36,325	17,293	1921	52,332	264,723	5.06	48,276	9,672
1904	16,723	46,101	2.76	32,173	497	1922	58,467	371,629	6.36	37,413	11,824
1905	22,357	61,040	2.73	32,813	630	1923	61,954	401,655	6.48	44,597	11,136
1906	17,352	54,081	3.12	33,138	609	1924	60,603	335,041	5.53	37,699	14,148
1907	18,744	71,412	3.81	38,903	708	1925	76,795	408,380	5.32	36,719	18,182
1908	16,662	64,547	3.87	32,908	770	1926	77,666	402,676	5.18	40,570	17,788
1909	25,188	79,904	3.17	30,719	926	1927	86,344	399,088	4.62	42,234	15,298
1910	23,457	67,130	2.86	32,898	1,162	1928	88,269	373,331	4.23	41,338	18,648
1911	26,666	74,998	2.81	28,854	1,569	1929	98,016	432,340	4.41	38,851	20,388
1912	26,585	69,542	2.62	24,561	2,009	1930	81,994	266,138	3.25	18,582	14,342

[1] Fiscal years through 1915; calendar thereafter. [2] Includes artificial silk prior to 1911. [3] Raw silk.

Source of Tables 692, 693, and 694: Bureau of Foreign and Domestic Commerce.

No. 695.—RUBBER: World Production and United States Imports

NOTE.—Figures include guayule. Value of imports of rubber (excluding guayule beginning 1911) are shown in Table 646. Tons are of 2,240 pounds

Year	World production			United States				Average price per pound, New York	
						Retained			
	Total	Plantation (Middle East)	Wild (tropical America and Africa)	Imports	Reexports	Amount	Share of world production	Fine para	Ribbed smoked sheet
	Long tons	*Long tons*	*Long tons*	*Long tons*	*Long tons*	*Long tons*	*Per cent*	*Dollars*	*Dollars*
1907	67,170	1,157	66,013	30,649	1,832	28,817	42.9	1.063	
1908	*66,566*	1,796	64,770	34,058	1,655	32,403	48.7	.871	
1909	73,756	3,386	70,370	41,950	2,156	39,794	54.0	1.481	
1910	93,950	10,916	83,034	45,003	2,749	42,254	45.0	1.908	2.066
1911	94,055	17,501	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	53,644	66,479	53,906	1,881	52,025	43.3	.807	.820
1914	123,173	74,587	48,586	54,884	2,618	62,266	50.6	.616	.653
1915	170,826	116,370	54,456	101,093	2,082	99,011	58.0	.557	.659
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	.487
1920	342,033	305,106	36,927	253,680	4,160	249,520	73.0	.333	.363
1921	301,512	277,516	23,996	185,452	5,716	179,736	59.6	.182	.163
1922	406,394	379,520	26,874	301,203	4,809	296,394	72.9	.183	.175
1923	408,641	380,058	28,583	310,299	8,772	301,527	73.8	.248	.295
1924	425,991	394,037	31,954	329,322	10,309	319,013	74.9	.212	.262
1925	*528,485*	*488,825*	*39,660*	*400,423*	*14,827*	*385,596*	*73.0*	*.569*	*.725*
1926	622,477	582,163	40,314	417,643	17,671	399,972	64.3	.380	.487
1927	609,442	565,027	44,415	431,246	27,775	403,471	66.2	.268	.381
1928	658,000	626,181	31,819	439,732	32,159	407,573	61.9	.186	.226
1929	*862,139*	*833,720*	*28,419*	*565,087*	*36,485*	*528,602*	*61.3*	*.164*	*.206*
1930	820,000	800,000	20,000	487,627	30,205	457,422	55.8	.144	.120

Source: Bureau of Foreign and Domestic Commerce (compiled from various original sources); prices Bureau of Labor Statistics, Department of Labor.

No. 696.—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 (including durum)		
	Acreage		Production	Yield per acre (bushels)	Acreage harvested	Production	Yield per acre (bushels)
	Sown	Harvested					
1912	33,229	26,571	399,919	15.1	19,243	330,348	17.2
1913	33,274	31,699	523,561	16.5	18,485	239,819	13.0
1914	37,158	36,008	684,990	19.0	17,533	206,027	11.8
1915	42,431	41,308	673,947	16.3	19,161	351,854	18.4
1916	39,245	34,709	480,553	13.8	*17,607*	*155,765*	*8.8*
1917	38,359	27,257	412,901	15.1	17,832	223,754	12.5
1918	43,126	37,130	565,099	15.2	22,051	356,339	16.2
1919	51,483	50,494	760,377	15.1	25,200	207,602	8.2
1920	44,861	40,016	610,597	15.3	21,127	222,430	10.5
1921	45,025	43,414	600,316	13.8	20,282	214,589	10.6
1922	47,930	42,358	586,878	13.8	19,959	280,720	14.1
1923	40,091	39,508	571,777	14.5	20,151	225,617	11.2
1924	38,916	35,656	592,259	16.6	16,879	272,169	16.1
1925	39,951	31,346	402,070	12.8	21,021	274,695	13.1
1926	39,887	36,987	627,433	17.0	19,372	203,948	10.5
1927	43,373	37,723	552,747	14.7	21,061	325,627	15.5
1928	47,317	36,213	578,073	16.0	22,059	336,203	15.2
1929	42,720	40,059	576,213	14.4	21,405	232,963	10.9
1930 (preliminary)	42,513	38,608	604,337	15.7	20,545	246,628	12.0

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 697.—WHEAT: Supply and Distribution and Per Capita Disappearance for Food, Etc., in Continental United States

[All quantities, except per capita, in thousands of bushels (number of pounds to a bushel, 60)]

Item	Year beginning July 1—						
	1909–1913, average	1914–1920, average	1921–1925, average	1926	1927	1928	1929
Supply, total	782,287	951,935	923,936	953,226	1,026,010	1,073,364	1,082,902
On hand July 1:							
Stocks on farms	28,872	32,631	37,059	20,982	27,222	23,729	45,483
Stocks in country mills and elevators [1]	29,000	26,997	30,991	29,501	21,776	19,277	41,546
Commercial visible (Bradstreet's)	24,168	19,290	25,519	16,486	25,516	42,208	95,684
Stocks of flour (in terms of wheat) [1]	8,305	8,606	8,076	9,757	9,076	9,019	13,541
In merchant mills and elevators				24,605	37,038	31,920	48,279
In transit				7,350	11,274	10,893	16,237
New crop	690,108	844,605	804,218	831,381	878,374	914,876	809,176
Imports (flour included)	1,834	10,806	17,473	13,264	16,734	21,442	12,956
Accounted-for distribution, total	280,519	437,581	389,896	438,304	436,431	511,266	535,150
Exports (flour included)	107,103	257,030	207,237	219,160	206,259	163,687	153,316
Reexports	195	562	221	98	53	55	72
Shipments (flour included) to Alaska Hawaii, and Porto Rico	2,549	2,546	2,830	3,082	2,690	3,172	2,977
Estimated seed requirements	72,326	88,312	82,171	84,062	90,383	83,582	82,965
Carry-over at end of year:							
On farms	32,485	36,127	29,912	27,222	23,729	45,483	47,151
In country mills and elevators [1]	31,600	26,449	31,457	21,776	19,277	41,546	54,031
Commercial visible (Bradstreet's)	25,326	18,265	26,822	25,516	42,208	95,684	112,755
Flour (in terms of wheat)	8,935	8,290	9,240	9,076	9,019	13,541	20,497
In merchant mills and elevators				37,038	31,920	48,279	46,670
In transit				11,274	10,893	16,237	14,706
Disappearance for food, feed, and loss	501,768	514,354	534,040	514,922	589,579	562,098	547,752
Per capita (bushels)	5.3	5.0	4.7	4.4	5.0	4.7	4.5

[1] From Chicago Daily Trade Bulletin. Stocks in country mills and elevators, from 1909–1918, are stocks in second hands less visible supply on July 1, as given by Chicago Daily Trade Bulletin.

Source: Compiled from various sources by the Bureau of Agricultural Economics, Department of Agriculture.

No. 698.—VISIBLE SUPPLY OF GRAIN IN UNITED STATES: As Reported on Saturday Nearest the First of Each Month

[All figures in thousands of bushels. Number of pounds to a bushel: Wheat, 60; corn, 56; oats, 32]

WHEAT [1]

Year beginning July 1—	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1909–1913, avg.	24,168	28,569	37,458	48,202	56,838	63,908	66,229	62,228	58,419	53,802	43,857	34,183
1914–1920, avg.	19,290	24,822	38,946	56,235	69,877	76,250	75,530	69,586	60,014	49,475	35,591	27,728
1921–1925, avg.	25,519	34,513	52,612	64,541	66,786	67,445	68,005	62,988	59,746	52,365	43,975	35,777
1926	16,486	34,575	72,884	84,724	81,175	78,910	70,811	62,317	61,271	53,827	42,402	31,115
1927	25,516	37,533	71,908	88,755	98,675	100,013	94,336	83,720	77,949	73,220	66,184	52,460
1928	42,208	66,762	96,798	118,327	143,003	145,234	140,813	133,750	130,034	128,339	116,559	99,966
1929	95,684	145,504	196,886	205,778	209,426	198,557	188,171	173,483	165,174	158,176	140,315	123,035
1930	112,755	165,616	201,541	219,108	211,600	207,479	200,007	202,537	208,102	213,052	206,463	206,196

CORN [2]

Year beginning Nov. 1—	Nov.	Dec	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
1909–1913, avg.	3,352	2,088	7,342	10,406	15,165	16,233	8,358	4,656	7,980	4,583	3,566	5,444
1914–1920, avg.	3,763	2,953	6,909	12,521	17,069	18,949	13,827	9,059	8,509	6,140	4,048	5,246
1921–1925, avg.	7,679	7,861	17,054	23,496	31,478	34,183	26,334	17,732	16,882	11,558	8,053	8,853
1926	22,258	28,699	34,712	38,792	45,103	47,244	36,621	29,961	34,427	30,205	22,312	23,687
1927	20,574	19,216	27,034	31,349	40,998	43,865	33,556	25,496	16,008	13,267	9,516	6,791
1928	2,030	6,419	17,140	26,042	33,302	34,150	25,687	14,259	13,054	8,751	5,417	4,197
1929	3,237	3,267	9,892	15,215	22,667	23,532	19,986	10,825	6,825	3,650	3,940	4,643
1930	4,379	6,964	16,390	16,757	18,961	20,447	18,270	11,412	7,815	8,183	8,846	

[1] Bradstreet's. [2] Chicago Board of Trade.

No. 698.—Visible Supply of Grain in United States: As Reported on Saturday Nearest the First of Each Month—Continued

OATS [2]

Year beginning Aug. 1—	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
1909–1913, avg.	7,185	13,460	18,525	19,024	17,969	16,286	14,857	14,521	13,869	10,748	7,866	7,894
1914–1920, avg.	7,879	14,984	23,791	26,613	28,498	28,660	26,513	25,203	23,404	20,717	17,141	13,698
1921–1925, avg.	21,818	34,206	47,372	51,211	50,468	51,075	50,611	49,063	43,706	36,706	28,498	25,539
1926	33,772	43,671	48,450	48,097	48,288	44,927	45,422	43,454	37,145	29,573	20,502	17,790
1927	12,001	21,501	24,931	23,857	23,252	21,907	20,350	19,791	15,746	11,168	7,086	3,225
1928	2,377	13,376	15,193	14,472	13,295	13,968	13,611	14,898	12,609	10,276	9,280	7,430
1929	7,626	23,488	26,321	30,155	27,534	26,946	24,471	21,673	18,349	16,242	12,652	10,875
1930	8,467	23,230	30,495	30,815	28,269	28,226	24,565	21,229	16,966	13,152	9,439	7,242

[2] Chicago Board of Trade.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 699.—EXPORTS (EXCLUDING REEXPORTS) AND IMPORTS OF WHEAT, CORN, RICE, TOBACCO, AND FLAXSEED

Note.—Number of pounds to a bushel of wheat, 60; of corn and flaxseed, 56; to a barrel of wheat flour, 196

Yearly average or year ended June 30—	Exports (excl. reexports)			Imports—wheat and flour [1]	Year ended June 30—	Exports (excl. reexports)			Imports—wheat and flour [1]
	Wheat (grain)	Wheat flour	Wheat and flour [1]			Wheat (grain)	Wheat flour	Wheat and flour [1]	
	1,000 bushels	*1,000 barrels*	*1,000 bushels*	*1,000 bushels*		*1,000 bushels*	*1,000 barrels*	*1,000 bushels*	*1,000 bushels*
1852–1856	4,715	2,892	19,173	4,178	1916	173,274	15,521	243,117	7,188
1857–1861	12,378	3,318	28,970	2,617	1917	149,531	11,943	203,574	24,925
1862–1866	22,530	3,531	40,184	------	1918	34,119	21,880	132,579	31,215
1867–1871	22,107	2,585	35,032	1,818	1919	178,583	24,182	287,402	11,289
1872–1876	48,958	3,416	66,037	1,680	1920	122,431	21,052	219,865	5,496
1877–1881	107,781	5,376	133,263	906	1921	293,268	16,180	366,977	57,398
1882–1886	82,884	8,620	121,675	517	1922	208,321	15,797	282,566	17,375
1887–1891	64,739	11,287	115,529	352	1923	154,951	14,883	224,900	20,031
1892–1896	99,914	15,713	170,624	1,634	1924	78,793	17,253	159,880	28,079
1897–1901	120,247	17,151	197,427	1,280	1925	195,490	13,896	260,803	6,201
1902–1906	70,527	15,444	140,026	993	1926	63,189	9,542	108,036	15,680
1907–1911	62,855	11,841	116,138	706	1927	156,250	13,385	219,160	13,263
1912–1916	129,415	13,185	188,748	2,996	1928	145,999	12,821	206,258	15,734
1917–1921	155,646	19,167	241,899	20,064	1929	103,114	12,888	163,688	21,442
1922–1926	140,129	14,274	207,237	17,424	1930	92,175	12,994	153,247	12,956

Yearly average or year ended June 30—	Corn [2]		Rice [3]		Flaxseed		Unmanufactured tobacco	
	Exports [4]	Imports	Exports [4]	Imports	Exports [4]	Imports	Exports [4]	Imports
	1,000 bushels	*1,000 bushels*	*1,000 pounds*	*1,000 pounds*	*1,000 bushels*	*1,000 bushels*	*1,000 pounds*	*1,000 pounds*
1852–1856	7,123	------	56,515	------	11	1,133	140,184	5,044
1857–1861	6,558	------	65,732	------	7	------	167,711	5,154
1862–1866	12,060	------	2,258	70,893	16	1,037	140,208	------
1867–1871	9,924	75	1,857	52,954	[5]	------	194,754	5,631
1872–1876	38,561	57	391	72,536	[5]	2,915	241,848	8,886
1877–1881	88,190	42	602	62,615	[5]	1,224	266,315	7,871
1882–1886	49,992	24	561	99,871	[6]	1,541	237,942	13,672
1887–1891	54,606	15	3,210	156,359	[7] 66	1,833	259,248	21,640
1892–1896	63,980	8	10,278	160,808	1,516	1,181	281,746	25,871
1897–1901	102,531	4	18,407	165,232	2,660	404	304,402	16,058
1902–1906	74,615	20	45,978	150,914	2,950	234	325,539	33,805
1907–1911	56,568	92	27,195	215,892	2,313	3,249	334,396	42,813
1912–1916	38,774	5,686	60,043	250,775	67	9,227	408,000	55,556
1917–1921	45,296	4,950	299,021	262,514	13	14,750	496,924	74,595
1922–1926	66,759	1,149	300,030	74,178	[6]	18,198	496,676	68,470
1924	23,135	228	227,757	38,210	[6]	19,577	597,630	54,497
1925	9,791	4,617	112,037	57,677	[6]	13,419	430,702	76,870
1926	24,781	635	48,175	131,848	[6]	19,354	537,239	69,973
1927	19,819	1,098	304,358	71,053	[6]	24,224	516,401	92,983
1928	19,410	5,463	309,789	44,102	[6]	18,112	489,996	81,045
1929	41,876	490	392,654	36,794	[6]	23,494	565,925	79,284
1930	10,278	496	289,533	31,212	[6]	19,652	600,181	63,182

[1] Flour converted to grain at rate of 5 bushels to a barrel, 1852 to 1879, 4½, 1880 to 1921; 4.7 thereafter.
[2] Including meal in terms of grain (4 bu. of corn to 1 bbl. of meal). [3] Includes flour, meal, etc.
[4] Excluding reexports. [5] Less than 500 bushels. [6] Not separately reported. [7] 3-year average.

Source: Bureau of Foreign and Domestic Commerce.

No. 700.—YEARLY WEIGHTED AVERAGE FARM PRICES OF SPECIFIED CROPS: BY CROP YEARS, FOR THE UNITED STATES AS A WHOLE

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 oats, barley, cotton, cottonseed, and timothy and alfalfa seed; in September for flaxseed, buckwheat, clover seed; in November for corn and peanuts; and in July for other crops named. For index numbers of prices of farm products by great groups see Table 616

Crop year beginning—	Wheat	Corn	Oats	Barley	Rye	Buck-wheat	Flaxseed
1911	88.3	68.8	46.1	81.9	81.0	75.4	195.8
1912	83.3	56.7	34.9	52.7	68.7	68.3	127.4
1913	79.3	71.8	38.9	53.0	62.9	76.6	123.9
1914	99.4	71.4	44.9	54.8	83.3	81.1	131.6
1915	98.2	60.6	39.3	53.8	85.0	81.5	169.6
1916	144.4	119.0	51.4	83.4	113.0	126.5	233.8
1917	205.8	148.1	72.1	122.5	176.4	167.1	315.9
1918	206.3	153.1	70.1	100.0	152.1	164.7	374.2
1919	218.6	151.5	80.3	124.9	146.9	159.2	427.0
1920	182.9	92.1	51.1	70.7	148.2	126.8	217.6
1921	104.4	54.3	33.4	48.4	86.9	89.1	171.0
1922	98.0	76.7	39.0	51.8	68.1	89.9	209.5
1923	92.4	84.0	42.6	56.6	59.4	96.3	212.3
1924	127.8	105.8	48.3	77.4	96.3	108.6	220.7
1925	145.9	71.0	39.0	59.2	83.1	87.5	224.6
1926	123.8	74.9	41.2	61.9	84.2	87.0	205.8
1927	120.5	85.2	48.9	72.7	84.7	87.6	192.0
1928	100.1	85.8	41.1	56.1	85.4	90.7	206.7
1929	105.1	79.8	41.9	51.8	87.7	96.3	277.1

Crop year beginning—	Potatoes	Sweet potatoes	Apples	Cotton	Cotton-seed	Peanuts	All hay (loose)
1911	99.6	92.2	76.6	9.6	17.08	4.4	14.36
1912	55.6	85.6	66.8	11.5	19.10	4.6	11.17
1913	70.6	84.0	93.0	12.5	22.30	4.6	11.49
1914	58.0	84.6	62.7	7.4	16.50	4.4	10.92
1915	70.8	75.4	71.0	11.2	32.65	4.3	10.34
1916	166.3	92.9	90.7	17.3	49.13	4.8	11.21
1917	122.5	122.3	113.6	27.1	66.15	7.1	16.60
1918	125.6	150.0	137.5	28.8	65.23	6.5	19.88
1919	223.8	161.7	186.1	35.2	67.27	9.2	21.34
1920	130.7	144.8	133.8	15.8	22.95	4.7	16.51
1921	121.4	110.9	195.2	17.0	29.72	3.7	11.83
1922	75.3	97.4	109,4	22.8	34.70	5.5	11.08
1923	94.6	121.7	117.4	28.7	42.23	6.5	12.93
1924	77.9	152.4	122.1	22.9	34.08	6.7	12.76
1925	183.4	165.9	127.0	19.6	30.82	4.7	12.83
1926	142.0	120.3	88.3	12.5	21.55	4.8	13.23
1927	108.1	106.5	141.7	20.2	35.94	5.0	10.57
1928	62.0	113.1	110.3	18.0	35.26	4.9	11.29
1929	186.2	113.7	141.4	16.8	30.43	3.8	11.05

Crop year beginning—	Prairie hay	Timothy hay	Clover hay	Alfalfa hay	Timothy seed	Clover seed	Alfalfa seed
1914	7.69	13.87	12.83	9.12	2.49	8.41	7.52
1915	7.13	13.09	11.29	9.39	2.89	9.98	9.16
1916	8.61	12.83	11.33	12.76	2.42	9.54	8.70
1917	13.31	18.67	17.21	18.42	3.50	14.48	9.66
1918	16.03	22.66	20.93	20.35	4.19	21.01	10.40
1919	16.78	25.13	23.69	22.70	4.98	28.34	16.97
1920	10.94	20.64	19.48	15.96	3.29	11.81	11.74
1921	7.62	14.82	14.15	10.58	2.64	11.14	8.22
1922	8.79	14.18	13.03	12.82	2.60	10.71	9.36
1923	8.92	16.53	15.14	13.54	3.19	12.38	10.03
1924	8.70	14.30	13.43	13.81	3.11	15.35	10.62
1925	9.36	15.40	14.52	13.52	3.33	15.87	9.99
1926	10.87	15.42	15.06	13.57	2.61	19.06	9.45
1927	7.64	11.64	12.15	11.96	1.77	16.11	9.87
1928	8.10	12.31	13.02	13.90	2.20	16.99	11.37
1929	8.12	11.71	11.99	13.71	2.16	10.34	11.65

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 701.—GRAIN PRICES: Weighted Average Market Price per Bushel of Reported Cash Sales

Yearly average or crop year beginning—	Wheat, July-June			Corn, Nov.-Oct.		Oats, Aug.-July		Barley, Aug.-July	Rye, July-June	Flaxseed, Sept.-Aug.[1]	Kafir, Nov.-Oct.[2]
	No. 1, Northern, Minneapolis	No. 2, Hard Winter, Kansas City	No. 2, Red Winter, Chicago	No. 3, Yellow, Chicago	No. 3, Yellow, Kansas City	No. 3, White, Chicago	No. 3, White, Minneapolis	No. 2, Minneapolis	No. 2, Chicago	No. 1, Minneapolis	No. 2, White, Kansas City
1909-1913	$0.99	$0.95	$0.99	$0.61	$0.60	$0.40	$0.38	$0.64	$0.76	$1.92	$1.34
1914-1920	1.90	1.85	1.83	1.15	1.12	.60	.58	1.02	1.52	3.03	2.17
1921-1925	1.30	1.27	1.33	.79	.78	.42	.38	.65	.94	2.47	1.52
1914	1.20	1.05	1.08	.70	.72	.50	.48	.65	1.05	1.70	1.17
1915	1.00	1.19	1.13	.79	.69	.41	.38	.63	.99	2.04	1.19
1916	1.76	1.71	1.68	1.11	1.06	.54	.52	1.17	1.54	2.91	3.24
1917	2.20	[3]2.52	2.25	1.63	1.63	.71	.71	1.49	2.11	3.78	3.28
1918	2.25	2.19	2.22	1.02	1.56	.70	.66	1.00	1.61	4.19	2.80
1919	2.72	2.42	2.24	1.59	1.60	.80	.80	1.43	1.70	4.52	2.41
1920	2.07	1.83	2.23	.62	.59	.51	.48	.74	1.62	2.09	1.06
1921	1.48	1.20	1.25	.55	.54	.35	.32	.55	.97	2.19	1.36
1922	1.20	1.13	1.14	.73	.74	.41	.36	.68	.81	2.58	1.63
1923	1.17	1.05	1.02	.88	.78	.45	.40	.63	.70	2.44	1.51
1924	1.56	1.35	1.58	1.06	1.12	.50	.47	.84	1.25	2.63	1.81
1925	1.61	1.63	1.64	.75	.74	.41	.37	.67	.96	2.52	1.30
1926	1.46	1.35	1.38	.87	.88	.43	.42	.71	1.01	2.24	1.20
1927	1.36	1.35	1.40	1.01	.85	.55	.50	.84	1.06	2.20	1.46
1928	1.18	1.12	1.38	.92	.85	.44	.41	.65	1.01	2.33	1.38
1929	1.33	1.20	1.30	.83	.80	.44	.42	.59	1.02	2.92	1.53

[1] Average closing price through December, 1920. [2] Price per 100 pounds. [3] 11-month average.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 702.—GRAIN RECEIVED AT SIX ATLANTIC PORTS

Note.—Data are for calendar years. Total receipts by ports include flour, meal, and malt 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	1915	1920	1925	1928	1929	1930
TOTALS BY PORTS							
	1,000 bu.	*1,000 bu.*	*1,000 bu.*	*1,000 bu.*	*1,000 bu.*	*1,000 bu.*	*1,000 bu.*
New York, total	93,320	220,667	145,534	189,162	166,692	140,089	126,383
By canal via river	10,108	2,504	4,139	32,767	39,138	29,098	39,797
Coastwise and river	410	7,120	5,966	9	2		462
By rail	82,742	211,044	135,429	156,386	127,552	110,991	86,124
Boston	22,402	28,097	13,099	11,911	14,430	10,837	7,918
Philadelphia	28,736	69,772	45,148	55,933	25,284	20,209	13,529
Baltimore	32,272	105,856	74,260	35,552	36,343	27,804	17,693
New Orleans	16,213	56,774	72,976	32,039	28,872	24,780	24,639
Montreal, Canada	44,178	68,185	67,044	179,950	247,377	113,623	110,675
COMMODITY							
Flour, 1,000 bbls.	16,841	23,279	17,016	23,801	24,436	27,473	24,291
Corn meal, do.	1,039	941	77	75	112	81	86
Wheat, 1,000 bu.	62,944	260,719	220,296	238,631	270,513	153,136	167,771
Corn, do.	42,193	45,434	17,916	13,220	18,171	11,784	4,829
Oats, do.	47,181	104,554	34,629	76,401	35,416	22,005	10,265
Barley, do.	3,929	16,195	16,600	45,191	65,831	33,078	6,086
Rye, do.	934	13,928	51,742	23,709	18,655	2,386	2,245
Total grain, do.	157,181	440,829	341,183	397,152	408,586	222,389	191,186
Flour and meal [1], do.	79,940	108,522	76,878	107,404	110,413	114,952	109,651
Grand total, do.	237,123	549,351	418,061	504,556	518,999	337,341	300,837

[1] Grain equivalent.

Source: New York Produce Exchange.

No. 703.—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 or year beginning—	Total	Chicago	Milwaukee	Minneapolis	Duluth	St. Louis	Toledo	Detroit	Kansas City	Peoria	Omaha	Indianapolis
	WHEAT											
July 1:												
1914–1920	385,102	60,469	9,655	119,090	51,044	38,228	6,028	2,121	67,515	2,232	22,521	4,600
1921–1925	388,647	49,959	5,903	112,209	60,874	37,295	10,801	1,636	74,144	2,601	22,541	4,685
1923	333,388	49,804	2,307	105,958	38,201	33,119	15,401	1,884	60,516	2,221	17,896	6,081
1924	478,555	71,009	8,934	104,037	111,194	44,047	12,434	1,915	89,444	2,095	29,120	4,336
1925	325,490	25,776	4,919	111,877	70,210	29,697	8,945	1,006	52,502	1,769	15,023	3,766
1926	359,436	39,062	6,867	89,148	53,061	33,342	14,715	2,677	92,740	1,314	21,486	5,023
1927	462,709	45,851	5,662	125,615	118,855	34,167	14,171	2,281	77,775	1,336	31,948	5,048
1928	488,334	33,755	5,526	121,893	108,268	53,231	14,118	1,836	106,417	2,411	37,427	3,452
1929	388,495	29,780	6,455	91,020	72,650	40,355	12,618	1,583	91,720	2,036	34,353	5,025
	CORN											
Nov. 1:												
1914–1920	246,387	101,633	14,788	10,643	[1] 1,348	22,286	3,025	3,043	18,263	25,349	20,731	19,469
1921–1925	266,015	115,372	14,538	13,213	5,061	30,749	3,774	1,423	18,436	22,221	22,668	18,559
1923	275,082	101,108	17,083	18,436	9,570	39,215	4,090	1,683	21,136	17,730	27,495	17,536
1924	202,225	80,696	7,180	14,310	795	25,116	2,972	410	21,448	20,981	13,138	17,199
1925	226,484	92,283	7,519	9,867	142	27,751	4,665	610	18,634	27,139	20,396	18,078
1926	220,778	91,869	11,000	11,261	177	21,005	3,940	1,489	12,453	26,098	21,836	19,650
1927	293,627	104,975	14,471	9,378	505	35,261	1,480	1,018	46,807	25,056	32,859	21,817
1928	268,798	95,265	14,987	12,169	2,257	38,108	1,796	703	34,468	27,134	17,355	24,556
1929	235,102	77,409	13,726	13,325	1,588	25,486	1,253	417	20,025	22,882	26,522	23,489
	OATS											
Aug. 1:												
1914–1920	277,426	121,664	30,007	31,750	3,963	27,613	5,583	4,390	10,295	12,090	15,837	14,234
1921–1925	226,219	71,431	19,646	35,224	12,494	31,186	5,860	2,376	9,834	12,533	14,494	10,841
1923	220,631	69,516	19,729	29,069	5,068	35,001	4,243	3,083	11,701	13,419	18,144	11,653
1924	262,501	74,690	20,233	53,533	23,165	34,211	8,848	1,942	8,198	11,131	15,918	10,632
1925	207,817	50,669	13,970	38,342	26,798	28,549	7,814	1,127	11,443	9,850	12,972	8,283
1926	143,960	49,420	14,826	18,205	2,360	21,076	8,781	1,352	3,270	8,954	6,628	9,088
1927	148,485	53,591	10,411	27,133	1,145	19,351	4,507	1,389	4,226	9,195	8,844	8,688
1928	138,944	41,023	7,011	20,899	3,527	24,257	7,189	1,143	4,951	7,100	6,853	14,391
1929	133,669	34,680	12,557	21,409	5,727	19,355	4,345	618	6,417	7,796	9,228	11,537

[1] 5-year average; no report for 1915.

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. 704.—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 [1]	Calendar year	By lake and canal	By lake and rail	By all rail [1]
1893	6.33	8.44	14.70	1912	5.57	6.17	9.60
1894	4.44	7.00	12.88	1913	5.74	7.01	9.60
1895	4.11	6.95	12.17	1914	5.31	6.54	9.60
1896	5.38	7.32	12.00	1915	6.08	7.48	10.08
1897	4.35	7.37	12.32	1916	7.95	9.55	10.08
1898	4.42	4.96	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	6.44	10.20	1924	8.67	10.92	18.00
1906	5.94	6.48	10.50	1925	7.24	10.89	18.00
1907	6.68	6.93	11.30	1926	8.08	12.04	18.00
1908	6.00	6.33	11.70	1927	7.16	11.14	18.00
1909	5.35	6.88	11.70	1928	8.40	11.36	18.00
1910	5.13	6.57	9.60	1929	6.37	10.42	18.00
1911	5.35	5.23	9.69	1930	6.41	10.80	18.00

[1] Rates beginning with 1900 represent wheat for domestic consumption, lower rates applying on grain for export.

Source: New York Produce Exchange.

No. 705.—FREIGHT RATES ON WHEAT FROM BUFFALO TO NEW YORK BY CANAL

Calendar year	Average rate	Calendar year	Average rate	Calendar year	Average rate	Calendar year	Average rate
	Cents per bushel		*Cents per bushel*		*Cents per bushel*		*Cents per bushel*
1891	3.5	1901	3.5	1911	4.3	1921	7.4
1892	3.5	1902	3.8	1912	4.4	1922	10.4
1893	4.6	1903	4.0	1913	4.6	1923	7.1
1894	3.2	1904	3.2	1914	4.3	1924	6.8
1895	2.2	1905	3.9	1915	4.6	1925	5.0
1896	3.7	1906	4.2	1916	5.0	1926	5.1
1897	2.8	1907	5.0	1917	4.4	1927	5.0
1898	2.8	1908	5.0	1918	9.3	1928	6.0
1899	3.0	1909	3.9	1919	8.2	1929	4.4
1900	2.5	1910	4.0	1920	10.3	1930	5.1

Source: Secretary of the Buffalo Chamber of Commerce.

No. 706.—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	1923	1924	1925	1926	1927	1928	1929	1930
Grain:													
Liverpool [1]	29.49	19.16	18.15	23.39	48.17	32.65	34.87	33.8	37.17	33.89	32.32	30.69	30.30
Glasgow [1]	30.98	20.00	18.91	22.92	(2)	32.50	34.39	35.3	39.80	36.42	33.90	34.10	34.70
London [1]	31.10	20.23	17.75	24.33	(2)	31.33	33.95	33.4	36.66	34.31	31.74	30.18	30.30
Antwerp	------	------	18.05	24.62	45.02	33.27	34.50	33.9	35.83	35.56	32.38	32.35	30.75
Hamburg	------	------	------	26.16	45.76	32.80	35.22	35.0	37.15	36.50	33.04	31.19	30.11
Amsterdam	------	------	------	25.07	49.53	------	------	------	47.50	39.50	33.91	32.75	31.76
Rotterdam	------	------	------	25.07	48.64	33.69	35.50	35.5	37.26	36.18	33.04	31.86	30.67
Sacked flour:													
Liverpool	27.90	22.40	19.75	30.00	58.63	39.82	42.80	43.8	46.68	45.01	43.17	42.19	40.44
Glasgow	31.56	22.50	21.50	32.00	(2)	41.38	45.11	45.0	47.93	47.39	45.17	44.19	43.52
London	35.01	23.64	22.00	30.50	(2)	39.80	42.73	43.9	46.66	45.04	43.17	42.19	40.44
Antwerp	------	------	------	35.60	55.27	40.73	43.75	44.3	45.31	48.05	45.71	43.98	41.54
Hamburg	------	------	------	37.00	56.15	40.46	43.58	44.1	45.51	46.80	45.79	43.02	41.54
Amsterdam	------	------	------	30.00	55.74	41.52	44.13	44.6	46.10	47.70	46.50	44.54	42.35
Rotterdam	------	------	------	29.00	55.12	41.28	44.13	44.6	44.34	47.81	45.71	43.67	41.54
Copenhagen	------	------	------	40.00	64.01	46.89	48.94	50.4	51.15	55.32	53.50	53.50	53.50
Stockholm	------	------	------	43.00	------	48.81	52.25	53.5	54.42	57.32	55.69	56.50	56.50
Provisions:													
Liverpool	48.84	38.49	45.38	51.00	137.13	94.10	104.83	106.5	106.50	116.33	117.75	101.50	101.50
Glasgow	55.31	43.23	46.88	55.31	(2)	94.10	104.83	106.5	106.50	116.33	117.75	101.50	101.50
London	55.87	40.88	47.62	51.00	(2)	94.10	104.83	106.5	106.50	116.33	117.75	101.50	101.50
Antwerp	51.09	43.70	49.44	55.22	104.01	[4] 82.94	87.75	86.5	87.19	89.00	91.50	97.80	99.00
Hamburg	50.00	45.75	50.00	55.33	104.87	[5] 84.65	91.50	91.5	91.50	110.50	95.67	90.60	91.50
Amsterdam	51.00	45.42	48.00	54.00	104.25	[5] 82.54	87.75	86.5	86.72	89.00	91.50	97.80	99.00
Rotterdam	51.00	44.53	47.00	53.00	104.25	[5] 83.00	87.75	86.5	86.72	89.00	89.00	97.80	99.00
Copenhagen	55.31	48.06	55.31	69.43	113.00	96.50	100.87	96.5	100.92	103.00	101.50	101.50	101.50
Stockholm	64.50	51.47	56.72	73.14	------	94.00	102.00	104.0	104.27	109.00	104.24	102.25	103.00
Bordeaux	64.12	51.46	57.50	71.25	105.16	96.50	105.45	106.5	106.50	110.75	109.83	102.86	111.50
Havre	------	------	------	60.38	104.20	96.50	105.45	106.5	106.50	110.75	109.83	102.86	111.50

[1] Berth rates to British ports beginning 1922 converted from English money at average exchange rates.
[2] Rates for Liverpool applied to London and Glasgow.
[3] Average for first 18 weeks of 1922.
[4] Average for first 8 months.
[5] Average for 11 months; October is not available.

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. 707.—FOOD MANUFACTURING INDUSTRIES: MATERIALS USED AND PRODUCTS

Industry, material, and product	Quantity (thousands of unit specified)				Value (thousands of dollars)		
	Unit	1925	1927	1929	1925	1927	1929
CANNING AND PRESERVING							
Canning and preserving industry, all products, total value					677,131	637,428	831,190
Canned and processed vegetables, fruits, and sea foods, all industries [1]					665,577	618,335	797,839
Fruits, vegetables, and soups					457,838	400,238	539,434
Canned vegetables and soups					282,891	234,260	325,738
Beans	Case [2]	24,680	25,360	31,454	55,165	53,069	69,664
Corn	do	22,597	10,255	16,724	51,346	22,855	36,797
Peas	do	16,544	13,085	17,546	42,887	34,031	44,508
Tomatoes	do	21,807	18,229	21,401	42,680	33,814	42,171
Asparagus	do	1,896	2,177	2,727	10,487	12,202	15,465
Spinach	do	2,045	2,462	4,815	5,456	6,225	12,132
All other (incl. soups)	do	25,299	25,788	38,166	74,870	72,064	105,002
Canned fruits					102,653	101,731	137,399
Peaches	Case [2]	10,526	11,305	8,724	38,562	36,235	35,675
Apples	do	3,467	2,939	3,593	6,051	5,895	7,941
Berries	do	2,120	2,375	2,516	9,080	9,807	10,760
Pears	do	3,880	2,954	4,932	20,898	18,067	24,450
Apricots	do	2,088	3,099	4,257	7,668	12,256	17,134
Cherries	do	1,487	1,229	2,141	7,253	6,490	11,781
Fruits for salad	do	914	1,101	1,680	6,972	7,575	11,005
All other	do	1,511	2,552	5,198	5,254	10,406	18,662
Dried fruits	Pound	1,054,127	1,012,796	938,699	72,119	64,167	75,892
Raisins	do	533,722	435,292	421,204	28,788	25,824	23,513
Prunes	do	397,583	438,886	347,849	28,971	23,738	30,362
Peaches	do	36,857	38,038	35,850	3,555	3,805	4,308
Apples	do	21,121	22,253	44,620	2,227	2,228	5,206
Apricots	do	33,039	36,755	42,090	5,434	5,439	7,320
All other	do	31,805	41,572	46,587	3,144	3,043	5,183
Dried and dehydrated vegetables	do	1,276	200		189	80	405
Fish and oysters					58,637	64,410	75,998
Canned fish, oysters, etc					47,463	51,090	58,470
Salmon	Case [3]	1,559	1,504	1,561	15,380	15,712	14,303
Sardines	do [4]	5,163	6,183	9,273	13,097	14,518	18,193
Shrimps	do [5]	736	853	980	3,783	5,322	5,535
Tuna	do [6]	1,102	1,256	1,541	8,499	8,368	10,798
Oysters	do [5]	568	447	455	3,009	2,368	2,174
Clams	do [5]	122	202	167	819	1,402	943
All other	do [3]	592	686	1,157	2,876	3,400	6,523
Cured fish	Pound	88,349	91,213	102,489	11,174	13,320	17,523
Pickles, sauces, etc					109,283	116,005	135,263
Preserves, jams, etc					39,819	37,682	47,149
FLOUR-MILL INDUSTRY							
Grains, ground:							
Wheat	Bushel [7]	530,593	544,054	546,333			
Corn	do [7]	105,355	92,093	87,542			
Rye	do [7]	8,126	9,255	9,671			
Buckwheat	do [7]	2,408	2,761	2,027			
Oats	do [7]	45,818	27,761	29,006			
Barley	do	15,658	8,180	9,499			
Other grains	do		3,805	1,939			
Flour and other grain-mill products industry, all products, total value					1,298,015	1,143,760	1,069,573
Flour, meal, feed, etc., all industries [1]					1,235,991	1,115,498	1,040,295
Wheat flour	Barrel [8]	114,690	118,132	120,366	910,170	820,273	737,347
Rye flour	do	1,508	1,724	1,679	9,152	9,299	9,179
Buckwheat flour	Pound	47,873	44,559	38,453	1,913	1,674	1,570
Corn meal and flour	Barrel [9]	9,707	9,867	11,110	48,253	44,840	55,710
Other flour	Pound		2,394	10,097		206	588
Bran and middlings	Ton [10]	4,527	4,638	4,682	137,897	142,194	142,089
Feed, screenings, etc	do	3,430	2,749	2,518	128,606	97,013	93,862

For footnotes, see p. 748.

No. 707.—Food Manufacturing Industries: Materials Used and Products—Continued

Industry, material, and product	Unit	Quantity (thousands of units specified) 1925	1927	1929	Value (thousands of dollars) 1925	1927	1929
CORN SIRUP, CORN SUGAR, CORN OIL, AND STARCH							
Corn sirup, corn sugar, corn oil, and starch industry, all products, total value					132,898	134,461	165,984
Corn sirup, corn oil, starch, etc., all industries [1]					130,370	130,469	159,963
Cornstarch	Pound	854,125	1,012,175	1,046,435	33,716	32,317	39,285
Corn sirup (incl. all sirup)	do	1,145,945	1,123,791	1,165,183	41,314	32,519	40,553
Corn sugar	do	580,370	904,331	896,121	19,505	25,635	30,217
Corn oil	do	110,716	148,200	176,499	15,224	18,275	20,165
Stock feed	Ton [10]	522	636	646	17,934	19,346	24,543
All other					2,677	2,377	5,200
RICE CLEANING AND POLISHING							
Rough rice milled	Pound	1,438,901	1,915,038	1,749,962			
All products, total value					53,498	54,130	48,794
Clean rice	Pound	947,787	1,246,643	1,233,801	51,113	51,828	46,058
All other					2,385	2,302	2,706
BEET SUGAR							
Beets treated	Ton [10]	7,423	6,711	6,951			
All products, total value					132,339	104,927	108,553
Sugar	Ton [10]	1,083	899	1,036	124,413	98,585	100,767
Molasses	Gallon	24,466	19,097	19,445	2,251	692	1,169
Pulp	Ton [10]	1,550	1,308	1,461	5,530	4,414	5,231
All other					145	1,236	1,386
CANE SUGAR							
Cane crushed	Ton [10]		975	2,726			
All products, total value					13,435	8,009	18,328
Sugar	Ton [10]	116	66	180	9,670	5,115	13,750
Molasses other than blackstrap	Gallon	5,520	3,284	7,957	1,131	927	1,370
Blackstrap molasses	do	9,651	2,301	10,874	621	193	1,088
Sirup	do	5,699	3,885	4,625	1,768	1,341	1,341
All other					246	433	777
CANE SUGAR REFINING							
Raw sugar treated	Ton [10]	5,735	5,405	5,296			
All products, total value					606,633	597,446	507,389
Refined sugar, sirup, etc.					606,120	597,039	507,198
Refined sugar	Ton [10]	5,412	5,128	5,115	600,109	593,020	502,404
Sirup	Gallon	8,536	5,537	4,320	2,152	1,247	920
Refiners' blackstrap	do	37,373	31,014	32,169	3,859	2,172	3,044
Miscellaneous sugar products							830
All other products					513	407	191
CHOCOLATE AND COCOA PRODUCTS							
Chocolate and cocoa products industry, all products, total value					106,642	122,723	119,541
Chocolate, cocoa, etc., all industries [1]					117,883	125,532	119,359
Chocolate in cakes, including coatings	Pound	417,863	406,245	419,839	96,970	99,083	97,149
Cocoa	do	85,746	91,114	105,694	11,176	13,821	15,054
Cocoa butter	do	25,359	22,769	19,184	6,818	8,555	5,428
Other chocolate and cocoa products					2,869	4,073	1,728

[1] Includes beside amounts produced in the industry named above, data for similar products made in establishments classified in other industries. [2] Figures represent actual numbers of cases of all sizes. [3] 48 1-pound cans. [4] 100 No. ¼ cans. [5] 48 No. 1 cans. [6] 48 No. ½ cans. [7] Weight of bushel: Wheat, 60 pounds; both corn and rye, 56; buckwheat, 48; oats, 32. [8] 196 pounds. [9] 200 pounds. [10] 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 Porto Rico, as indicated]

No. 708.—FORESTS: Estimated Original Area, Area in 1922, Annual Growth, and Stand of Saw Timber by Regions

Note.—Data in the following table are necessarily approximate. The original area and area in 1922 refer only to land capable of producing saw timber or pulp timber in commercial quantities, and do not include the open woodland and chaparral of the Southwest. 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), 1922 [1]					
		Total	Saw timber			Cordwood (growing)	Nonrestocking
			Total	Virgin	Growing		
Total	822,238	469,475	251,916	133,160	113,756	136,359	81,200
New England [2]	38,908	25,708	11,261	2,000	9,261	8,872	5,575
Middle Atlantic [3]	69,610	28,678	11,456	1,896	9,559	10,793	6,430
Lake [4]	103,680	57,100	24,030	10,100	13,930	12,570	20,500
Central [5]	170,560	60,182	31,901	7,600	24,301	26,011	2,270
South Atlantic and East Gulf [6]	170,240	99,000	46,200	18,300	27,900	32,080	20,720
Lower Mississippi [7]	128,400	78,865	41,035	20,835	20,200	24,075	13,755
Rocky Mountain [8]	63,720	60,842	41,059	37,746	3,313	14,533	5,250
Pacific Coast [9]	77,120	59,100	44,975	39,683	5,292	7,425	6,700

Region	Stand of saw timber (millions of board feet), 1920 [10]			Annual growth in area, 1920 [10]		
	Total	Hardwood	Softwood	Saw timber (millions of board feet)	Cordwood (millions of cubic feet)	Total growing (millions of cubic feet)
Total	2,214,893	459,675	1,755,218	9,672	3,877	5,995
New England [2]	49,799	11,319	38,480	609	341	474
Middle Atlantic [3]	44,857	29,504	15,353	714	342	499
Lake [4]	110,110	69,350	40,760	988	261	168
Central [5]	144,470	133,152	11,318	1,458	587	906
South Atlantic and East Gulf [6]	220,577	83,750	136,827	2,428	1,062	1,594
Lower Mississippi [7]	280,908	132,600	148,308	1,752	800	983
Rocky Mountain [8]	223,141	----------	223,141	461	264	365
Pacific Coast [9]	1,141,031	----------	1,141,031	1,262	430	706

[1] Revised October, 1922.
[2] Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut.
[3] New York, New Jersey, Pennsylvania, Delaware, and Maryland.
[4] Michigan, Wisconsin, and Minnesota.
[5] Ohio, Indiana, Illinois, West Virginia, Kentucky, Tennessee, Iowa, Missouri, eastern Kansas, and eastern Nebraska.
[6] Virginia, North Carolina, South Carolina, Georgia, Florida, and Alabama.
[7] Mississippi, Arkansas, Louisiana, eastern Texas, and eastern Oklahoma.
[8] Idaho, Montana, Wyoming, Colorado, western South Dakota (Black Hills), New Mexico, Arizona, Utah, and Nevada.
[9] California, Oregon, and Washington.
[10] Data relate to 1920 or about that year.

Source: Forest Service, Department of Agriculture.

No. 709.—STAND OF SAW TIMBER (ESTIMATED): About 1920

[Quantities in millions of board feet]

Specie	Total	New England	Middle Atlantic	Lake	Central	South Atlantic and East Gulf	Lower Mississippi	Rocky Mountain	Pacific coast
Grand total	2,214,393	49,799	44,857	110,110	144,470	220,577	280,908	223,141	1,141,031
Eastern hardwoods, total	459,675	11,319	29,504	69,350	133,152	83,750	132,600		
Oak	157,372	1,510	5,500	8,301	64,712	27,889	49,460		
Birch, beech, and maple	90,784	8,143	16,897	36,076	20,505	4,522	4,641		
Red gum	44,222		176		3,728	13,400	26,918		
Chestnut	19,319	960	3,754		7,989	6,616			
Hickory	15,784	40	412	187	6,791	3,183	5,171		
Cottonwood and aspen	10,824	374	13	999	2,131	1,340	5,967		
Ash	9,088	215	513	1,893	2,929	1,256	3,182		
Yellow poplar	9,611		126	7	5,193	4,020	265		
Others	101,771	77	2,113	21,887	19,174	21,524	36,996		
Eastern softwoods, total	391,048	38,480	15,353	40,760	11,318	136,827	148,309		
Southern yellow pine	257,691				365	121,442	135,884		
Hemlock	30,896	1,804	5,036	18,301	3,910	1,845			
Spruce and fir	31,572	23,971	2,948	3,772		881			
Cypress	22,021					11,208	11,713		
White and Norway pine	23,457	9,816	4,037	8,000	515	1,089			
Others	24,509	2,889	[1] 3,332	10,687	[1] 6,528	362	711		
Western softwoods, total	1,364,172							223,141	1,141,031
Douglas fir	595,505							36,934	558,571
Western yellow pine and Jeffrey pine	249,578							66,125	183,453
Western hemlock	95,092							1,092	94,000
True firs	91,349							8,870	82,479
Redwood	72,208								72,208
Western white pine and sugar pine	57,071							18,586	38,485
Western red cedar	53,348							4,348	49,000
Lodgepole pine	43,919							39,353	4,566
Spruce	39,822							26,467	13,355
Others	66,280							21,366	44,914

[1] Includes small amounts of spruce, cypress, and various species of yellow pine.

No. 710.—NATIONAL FORESTS: Area and Standing Timber

Note.—Includes acreage actually acquired under the Weeks law, see Table 712. In 1920, there were 12,580,368 acres of State forests, including forest preserves of New York, Hawaiian forest reserves, State parks, and other forest lands belonging to States; also 726,577 acres of municipal and county forests and parks

State	Net area (acres), June 30, 1930	Standing timber, Jan. 1, 1926		State	Net area (acres), June 30, 1930	Standing timber, Jan. 1, 1926	
		Saw-timber (million board feet)	Cordwood (1,000 cords)			Saw timber (million board feet)	Cordwood (1,000 cords)
Total	160,090,817	552,339	91,142	Nevada	4,978,400	208	6,613
Cont'l U. S.	138,733,761	487,579	91,142	New Hampshire	460,753	1,027	
				New Jersey		3	[1]
Alabama	122,419	124	34	New Mexico	8,478,356	11,187	13,448
Arizona	11,371,341	14,385	11,427	New York		3	[1]
Arkansas	1,161,895	1,799		North Carolina	389,924	421	2,727
California	19,043,520	100,509	24,771	Oklahoma	61,480		
Colorado	13,330,832	22,167	5,694	Oregon	13,407,810	138,266	
Florida	343,180	182	1,288	Pennsylvania	317,333	17	134
Georgia	254,999	338	455	South Carolina	43,490	73	83
Idaho	19,317,373	46,993	6,017	South Dakota	1,062,383	2,508	831
Illinois	10,710			Tennessee	376,857	567	719
Kentucky		10		Utah	7,497,644	5,225	6,670
Louisiana	9,613			Virginia	595,949	320	877
Maine	33,482	57		Washington	9,564,576	77,155	
Maryland		1	6	West Virginia	278,371	75	148
Michigan	200,747	9	37	Wyoming	8,476,276	14,447	2,813
Minnesota	1,073,213	859	6,349				
Montana	16,174,810	28,495		Alaska	21,344,613	84,760	
Nebraska	206,026			Porto Rico	12,443		

[1] Less than 500 cords.

Source of Tables 709 and 710: Forest Service, Department of Agriculture.

No. 711.—NATIONAL FORESTS: AREA OF EACH FOREST, 1930

NOTE.—Net area is gross area less area of alienated lands. The aggregate includes national forests in Alaska and Porto Rico

State and forest	Net area
	Acres
Aggregate (149 national forests)	160,090,817
Alabama: Alabama	[1] 122,419
Alaska	21,344,613
Chugach	4,799,470
Tongass	16,545,143
Arizona	11,371,341
Apache [2]	678,197
Coconino	1,726,026
Coronado [2]	1,323,955
Crook	1,424,291
Kaibab	723,411
Prescott	1,207,112
Sitgreaves	795,597
Tonto	2,262,607
Tusayan	1,230,145
Arkansas	1,161,895
Ouachita	[1] 753,420
Ozark	[1] 408,475
California	19,043,520
Angeles	644,138
California	827,839
Cleveland	380,321
Crater [2]	48,218
Eldorado [2]	559,956
Inyo [2]	1,521,550
Klamath [2]	1,526,815
Lassen	925,094
Modoc	1,496,082
Mono [2]	799,452
Plumas [3]	1,117,638
San Bernardino	597,317
Santa Barbara	1,776,418
Sequoia	1,330,141
Shasta [3]	893,758
Sierra	1,495,831
Siskiyou [2]	320,384
Stanislaus [3]	822,845
Tahoe [2,3]	543,094
Trinity	1,410,629
Colorado	13,330,832
Arapaho [3]	774,863
Cochetopa	1,142,393
Colorado	780,752
Grand Mesa	659,584
Gunnison	1,189,764
Holy Cross	1,100,431
La Sal [2]	26,631
Montezuma	727,757
Pike	1,220,544
Rio Grande	1,157,870
Routt	1,041,522
San Isabel	613,652
San Juan	1,344,925
Uncompahgre	756,530
White River	893,614
Florida	343,180
Choctawhatchee	184,449
Ocala	158,731
Georgia	254,999
Cherokee [2]	158,118
Nantahala [2]	96,881
Idaho	19,317,373
Boise	1,063,358
Cache [2]	494,602
Caribou [2]	708,944
Challis	1,346,864
Clearwater	799,402
Coeur d'Alene	674,344
Idaho—Continued.	
Idaho	1,735,175
Kaniksu [2]	192,838
Lemhi	1,353,772
Minidoka [2]	520,544
Nezperce	1,661,107
Payette	1,308,447
Pend Oreille	676,610
St. Joe	613,729
Salmon	1,708,098
Sawtooth	1,165,591
Selway	1,689,960
Targhee [2]	1,031,136
Weiser	567,843
Illinois: Bellevue-Savanna	10,710
Louisiana: Kisatchie	9,613
Maine: White Mountain [2]	33,482
Michigan	290,747
Huron	[1] 262,195
Michigan	[1] 28,552
Minnesota	1,073,213
Chippewa	192,750
Superior	[1] 880,463
Montana	16,174,810
Absaroka	853,607
Beartooth	660,384
Beaverhead	1,339,292
Bitterroot [3]	1,051,255
Blackfeet	836,340
Cabinet	337,783
Custer [2]	516,325
Deerlodge	822,553
Flathead	1,722,492
Gallatin	552,183
Helena	934,859
Jefferson	1,042,459
Kootenai [3]	1,361,696
Lewis and Clark	810,891
Lolo [3]	890,654
Madison	955,106
Missoula	976,925
Nebraska: Nebraska	206,026
Nevada	4,978,400
Dixie [2]	56,324
Eldorado [2]	400
Humboldt	1,322,228
Inyo [2]	60,416
Mono [2]	464,502
Nevada	1,175,128
Tahoe [2]	10,373
Toiyabe	1,883,029
New Hampshire: White Mountain [2]	460,753
New Mexico	8,478,355
Apache [2]	888,600
Carson	1,076,616
Coronado [2]	124,988
Datil	1,751,638
Gila	1,596,336
Lincoln	1,115,174
Manzano	679,650
Santa Fe	1,245,353
North Carolina	389,924
Cherokee [2]	5,808
Nantahala [2]	[4] 131,341
Pisgah [2]	252,715
Oklahoma: Wichita	61,480
Oregon	13,407,810
Oregon—Continued.	
Cascade	1,027,122
Crater [2, 3]	817,490
Deschutes [3]	1,309,367
Fremont	975,015
Klamath [2]	8,723
Malheur	1,059,149
Mount Hood [3]	1,071,301
Ochoco [3]	721,732
Santiam	611,859
Siskiyou [2]	1,033,252
Siuslaw [3]	488,424
Umatilla [2]	943,408
Umpqua	1,014,339
Wallowa [3]	968,376
Whitman [3]	1,358,193
Pennsylvania: Allegheny	317,333
Porto Rico: Luquillo	12,443
South Carolina: Nantahala [2]	43,490
South Dakota	1,062,383
Black Hills [2, 3]	479,119
Custer [2]	73,787
Harney [3]	509,477
Tennessee	376,857
Cherokee [2]	201,065
Pisgah [2]	30,741
Unaka [2]	145,051
Utah	7,497,644
Ashley [2]	989,175
Cache [2]	282,636
Dixie [2]	797,634
Fishlake	1,398,897
La Sal [2]	504,291
Manti [3]	720,450
Minidoka [2]	70,655
Powell	1,040,758
Uinta	884,898
Wasatch	802,250
Virginia	595,949
Monongahela [2]	10,414
Natural Bridge	162,903
Shenandoah [2]	371,070
Unaka [2]	51,472
Washington	9,564,576
Chelan	1,790,044
Columbia	759,011
Colville	748,035
Kaniksu [2]	273,143
Mount Baker	1,461,153
Olympic	1,450,327
Rainier	1,281,669
Snoqualmie [3]	619,451
Umatilla [2]	313,359
Wenatchee [3]	881,784
West Virginia	278,371
Monongahela [2]	218,157
Shenandoah [2]	60,214
Wyoming	8,476,270
Ashley [2]	6,490
Bighorn	1,125,632
Black Hills [2]	147,391
Caribou [2]	6,668
Medicine Bow	883,286
Shoshone	1,599,832
Targhee [2]	345,570
Teton	1,802,200
Washakie	801,195
Wyoming	1,698,092

[1] Figures include acreage actually acquired under the Weeks law. (See Table 712.)
[2] Forest lies in more than one State.
[3] Additions made under the exchange act of Mar. 20, 1922 (42 Stat. 465), and other related acts.
[4] Figures include acreage transferred from the Treasury Department.

Source: Forest Service, Department of Agriculture.

No. 712.—NATIONAL FORESTS: Lands Acquired or Approved for Purchase Under Weeks Law to June 30, 1930

State and area	Total area approved for purchase	Area acquired	Area approved but not acquired
	Acres	*Acres*	*Acres*
Grand total	4,133,476	3,413,292	720,184
Alabama: Alabama	109,866	104,670	5,196
Arkansas, total	294,061	246,294	47,767
Ouachita	160,779	122,772	38,007
Ozark	133,282	123,522	9,760
Florida, total	177,598	85,015	92,583
Choctawatchee	40,120		40,120
Ocala	14,241		14,241
Osceola	123,237	85,015	38,222
Georgia, total	319,557	254,999	64,558
Cherokee (part)	195,323	158,118	37,205
Nantahala (part)	124,234	96,881	27,353
Louisiana: Kisatchie	86,041	9,613	76,428
Maine: White Mountain (part)	33,482	33,482	
Michigan, total	229,937	144,725	85,212
Huron	79,731	73,903	5,828
Keweenaw	37,792	35,675	2,117
Mackinac	70,354	23,726	46,628
Marquette	42,060	11,421	30,639
Minnesota: Superior	106,889	67,580	39,309
New Hampshire: White Mountain (part)	487,505	460,753	26,752
North Carolina, total	395,658	378,555	17,103
Cherokee (part)	7,603	5,868	1,735
Nantahala (part)	129,387	119,972	9,415
Pisgah (part)	258,668	252,715	5,953
Pennsylvania: Allegheny	354,711	317,333	37,378
South Carolina: Nantahala (part)	47,648	43,490	4,158
Tennessee, total	389,907	376,857	13,050
Cherokee (part)	205,431	201,065	4,366
Pisgah (part)	35,608	30,741	4,867
Unaka (part)	148,868	145,051	3,817
Virginia, total	608,953	595,949	13,004
Monongahela (part)	10,414	10,414	
Natural Bridge	166,908	162,993	3,915
Shenandoah (part)	380,010	371,070	8,940
Unaka (part)	51,621	51,472	149
West Virginia, total	330,380	278,371	52,009
Monongahela (part)	259,269	218,157	41,112
Shenandoah (part)	71,111	60,214	10,897
Wisconsin, total	161,283	15,606	145,677
Flambeau	58,523		58,523
Moquah	60,031	15,606	44,425
Oneida	42,729		42,729

Source: Forest Service, Department of Agriculture.

No. 713.—NATIONAL FORESTS: Summary of Operations

Note.—Data for revenue are for fiscal years ended June 30; all other data are for calendar years. Figures include data for national forests in Alaska

Item	1924	1925	1926	1927	1928	1929	1930
Timber sales:							
Number	13,382	12,349	13,199	12,048	13,791	13,864	15,093
Quantity [1] M ft.[2]	1,333,254	1,771,531	1,489,372	642,698	2,089,916	1,050,894	3,370,417
Timber cut under sales do	1,093,278	1,183,167	1,175,273	1,091,621	1,336,614	1,421,188	1,254,963
Free timber given:							
Number of users	35,568	32,695	34,797	35,068	38,165	42,135	53,930
Timber cut M ft.[2]	89,367	78,348	[1] 88,170	81,363	82,442	86,768	116,093
Value dollars	93,900	81,902	[1] 97,330	91,346	90,111	97,518	116,786
Grazing, kinds of stock: [3]							
Cattle No.	1,664,087	1,538,942	1,456,858	1,403,191	1,335,903	1,322,465	1,321,231
Goats do	29,008	19,795	15,666	18,046	17,070	16,487	13,496
Swine do	1,560	846	1,085	1,002	1,206	853	540
Horses do	58,184	57,904	57,396	55,629	51,956	48,171	42,357
Sheep do	6,301,308	6,162,263	6,212,657	6,376,838	6,509,421	6,650,719	6,824,967
Revenue, total dollars	5,251,903	5,000,137	5,155,661	5,166,606	5,441,601	6,299,802	6,751,553
From—							
Timber [4] do	3,036,396	2,940,393	3,366,685	3,253,243	3,325,079	4,108,595	4,389,893
Water power do	82,916	95,287	94,718	98,749	101,798	113,228	107,493
Special uses do	207,637	229,236	259,820	277,612	285,684	287,119	300,257
Grazing do	1,915,561	1,725,377	1,421,589	1,530,952	1,713,730	1,740,290	1,942,914
All other do	9,393	9,844	12,849	6,650	15,144	50,570	10,996

[1] Amount sold is to be cut during a period of years; hence greater than amount cut in any one year.
[2] Board measure.
[3] Number actually grazed under permit.
[4] Includes receipts from timber and turpentine sales, timber settlement and trespass.

Source: Forest Service, Department of Agriculture.

No. 714.—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 and Indian reservations are not available for inclusion

Year	Area needing protection	Area protected	Area unprotected [1]	Number of fires		Area burned		Damage [2]	
				On protected area	On unprotected area [1]	On protected land	On unprotected land [1]	On protected area	On unprotected area [1]
	Thousands of acres					Thousands of acres		Thousands of dollars	
1926	529, 850	339, 238	190, 612	33, 867	57, 920	4, 755	19, 561	15, 048	11, 864
1927	533, 210	359, 725	173, 485	35, 300	123, 138	2, 784	35, 747	4, 297	29, 088
1928	542, 822	367, 605	175, 216	39, 260	136, 674	4, 111	39, 431	8, 447	74, 096
1929	[3] 599, 565	[3] 395, 675	203, 890	44, 076	90, 819	4, 876	41, 354	14, 139	87, 917
1930	697, 921	399, 142	208, 779	70, 832	120, 143	5, 809	46, 457	14, 597	51, 371

[1] Figures are based upon partial information only, from incomplete reports. Reliable data are not available prior to organized protection.

[2] Figures do not take into account the vast amount of intangible and indirect damage resulting from forest fires, such as that through decay or 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.

[3] The increase in total acreage is primarily nonforest land.

Source: Forest Service, Department of Agriculture.

No. 715.—FOREST FIRES: Number, Area Burned, and Damage, by Causes, Protected Areas Only

Year	Lightning	Railroads	Campers	Smokers	Débris burning	Incendiary	Lumbering	Miscellaneous	Unknown
Number of fires:									
1926	4, 121	4, 642	2, 496	5, 625	4, 075	3, 272	1, 531	2, 903	5, 202
1927	3, 903	3, 732	2, 645	6, 747	4, 349	5, 379	2, 183	2, 946	3, 416
1928	3, 753	3, 578	3, 643	7, 703	5, 057	7, 200	1, 589	3, 540	3, 197
1929	4, 312	3, 652	3, 837	9, 507	5, 337	7, 930	1, 839	4, 165	3, 497
1930	5, 217	4, 625	5, 011	17, 460	9, 180	14, 394	1, 626	6, 987	6, 332
Area burned (acres):									
1926 [1]	567, 190	221, 580	241, 520	504, 910	559, 140	732, 650	203, 840	305, 350	698, 880
1927 [1]	94, 260	134, 820	140, 390	507, 290	318, 020	570, 110	168, 100	311, 990	232, 610
1928 [1]	234, 680	151, 480	257, 860	600, 040	483, 890	1, 453, 130	176, 060	465, 450	250, 980
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, 460	1, 766, 090	175, 540	628, 810	802, 250
Damage (dollars): [2]									
1926 [1]	4, 061, 410	1, 150, 210	343, 660	897, 820	1, 031, 850	1, 939, 910	758, 040	1, 244, 770	1, 664, 550
1927 [1]	232, 400	329, 890	171, 650	751, 610	381, 800	659, 330	406, 940	609, 410	506, 700
1928 [1]	378, 910	266, 600	281, 740	1, 477, 150	901, 120	2, 290, 990	964, 040	975, 990	713, 920
1929 [1]	1, 723, 920	580, 410	784, 450	2, 358, 440	859, 440	3, 752, 750	2, 401, 950	1, 144, 030	500, 530
1930	331, 730	1, 005, 450	572, 310	2, 344, 420	1, 706, 590	2, 934, 020	449, 880	1, 639, 630	3, 200, 570

[1] The totals by causes, for these years, are less than the total area burned or total damage, shown in Tables 714 and 716 because of incomplete reports.

[2] See footnote 2, Table 714.

Source: Forest Service, Department of Agriculture.

No. 716.—FOREST FIRES: Classification of Area Burned and Damage, Protected Areas Only

AREA BURNED

Year	Forest land (acres)					Nonforest land (acres)			Grand total
	Mature or merchantable	Protection forest	Young growth		Total	Protection brush and grass	No protection or forest value	Total	
			Will restock	Will not restock					
1926	942, 870	179, 750	1, 681, 590	1, 311, 530	4, 115, 740	567, 660	71, 180	638, 840	4, 754, 580
1927	587, 070	85, 580	1, 095, 020	441, 700	2, 209, 370	539, 470	35, 610	575, 080	2, 784, 450
1928	746, 250	78, 370	1, 854, 400	174, 150	2, 853, 170	1, 165, 180	92, 340	1, 257, 520	4, 110, 690
1929	953, 720	340, 750	1, 891, 960	445, 620	3, 632, 050	855, 470	388, 800	1, 244, 270	4, 876, 320
1930	1, 322, 160	65, 870	3, 216, 350	183, 450	4, 787, 830	759, 180	262, 310	1, 021, 490	5, 809, 320

No. 716.—Forest Fires: Classification of Area Burned and Damage, Protected Areas Only—Continued

DAMAGE [1]

Year	Timber	Reproduction	Forage	Other	Total	Protection forest value	Grand total
1926	$7,837,050	$3,911,990	$263,500	$3,034,820	$15,048,260	----------	$15,048,260
1927	1,341,230	1,527,820	398,430	1,029,920	4,297,400	----------	4,297,400
1928	2,403,050	2,551,130	612,660	2,305,690	7,932,530	$514,310	8,446,840
1929	5,965,850	3,664,750	403,100	2,911,650	12,945,350	1,193,200	14,138,550
1930	5,895,240	6,007,200	325,690	1,771,100	13,999,230	598,050	14,597,280

[1] See footnote 2, Table 714.

Source: Forest Service, Department of Agriculture.

No. 717.—ESTIMATED QUANTITY OF TIMBER REMOVED ANNUALLY FROM FORESTS

Note.—Quantities are based mainly upon averages of production within the period 1912–1921. Values are based on prices prevailing in 1919 and include all value added to the material by cutting, transporting, manufacturing, or otherwise preparing for use

Product and waste	Unit of measure	Quantity in thousands	Approximate value or cost	Equivalent in lumber which could have been sawed from same trees		
				Total (M feet, b. m.)	Softwoods (M feet, b. m.)	Hardwoods (M feet, b. m.)
Aggregate	----------	----------	$2,254,015,000	80,193,700	41,057,780	19,135,920
Products, total	----------	----------	2,232,015,000	62,948,700	35,307,780	17,635,920
Lumber, dimension material and sawed ties.	Foot, b. m.	37,700,000	1,138,917,000	37,700,000	28,275,000	9,425,000
Fuel wood	Cord	100,000	475,000,000	5,000,000	1,500,000	3,500,000
Pulpwood	do	5,000	79,750,000	2,340,000	2,145,000	195,000
Ties, hewed	Number	70,000	73,500,000	2,100,000	420,000	1,680,000
Cooperage stock:						
Tight staves	do	350,000	19,250,000	532,000	133,000	399,000
Tight heading	Set	24,000	12,000,000	178,000	36,200	141,800
Slack staves	Number	1,200,000	18,000,000	362,000	121,600	240,400
Slack heading	Set	90,000	10,800,000	333,000	166,500	166,500
Hoops	Number	120,000	1,800,000	21,500	----------	21,500
Shingles	do	9,000,000	37,710,000	900,000	900,000	----------
Mine timbers	Cubic foot	293,000	56,913,000	879,000	439,500	439,500
Fence posts	Number	900,000	225,000,000	825,000	660,000	165,000
Veneer logs	Foot, l. s.	576,000	25,079,000	691,200	103,680	587,520
Poles	Number	4,250	10,625,000	255,000	200,000	55,000
Vehicle stock, woodenware, handles, furniture, etc.	Board foot.	200,000	7,288,000	200,000	2,300	197,700
Distillation wood	Cord	1,400	9,268,000	185,000	----------	185,000
Piling	Number	1,500	6,000,000	180,000	140,000	40,000
Export logs and hewn timbers	Board foot.	100,000	3,445,000	100,000	50,000	50,000
Tanning extract wood	Cord	1,000	10,250,000	87,000	----------	87,000
Excelsior wood	do	200,000	1,800,000	75,000	15,000	60,000
Lath	Number	2,000,000	9,620,000	----------	----------	----------
Destroyed by fire	Cubic foot	1,080,000	10,000,000	2,250,000	1,750,000	500,000
Destroyed by insects, disease, and windfall.	do	1,300,000	12,000,000	5,000,000	4,000,000	1,000,000

Sources: Bureau of the Census, Department of Commerce, and Forest Service, Department of Agriculture.

No. 718.—LUMBER: Reported Production, by Species, and Average Value

Note.—For 1889, 1904, 1914, 1921, 1923, 1925, and 1927 custom mills are excluded and beginning with 1910 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. Apart from the specific exclusions mentioned there are other variations in the completeness of the returns

[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	Hardwood	Softwood			Total	Hardwood	Softwood	
1869	12,756			(1)	1917	35,831	6,657	29,174	$20.32
1879	18,091			(1)	1918	31,890	6,223	25,667	24.79
1889	23,842			$11.41	1919	34,552	7,145	27,407	30.21
1899	[2] 35,078	8,034	26,146	11.13	1920	33,799	6,989	26,810	38.42
1904	34,127	6,782	27,345	12.76	1921	20,961	4,775	22,186	23.47
1909	44,510	10,613	33,897	15.38	1922	31,569	4,925	26,644	26.15
1910	40,018	8,857	31,161	15.30	1923	37,166	6,282	30,904	31.78
1911	37,003	8,101	28,902	15.05	1924	35,931	6,525	29,406	28.57
1912	39,158	8,632	30,526	15.35	1925	38,339	6,628	31,710	28.02
1913	38,387	8,084	30,303	(1)	1926	36,036	6,407	30,469	27.34
1914	37,345	7,939	29,407	(1)	1927	34,532	6,090	28,442	25.80
1915	37,012	7,527	29,485	14.04	1928	34,142	5,797	28,345	25.61
1916	39,807	8,475	31,332	15.32	1929	36,872	7,059	29,813	26.94

Specie	Production by species								
	1899	1909	1914	1919	1923	1925	1927	1928	1929
Softwoods:									
Yellow pine	9,659	16,277	14,473	13,063	12,949	13,236	10,891	10,610	11,630
Douglas fir	1,737	4,856	4,764	5,902	8,223	8,154	8,443	8,449	8,689
White pine	7,742	3,900	2,633	1,724	1,572	1,521	1,344	1,367	1,248
Hemlock	3,421	3,051	2,166	1,755	1,573	2,140	2,071	2,222	2,099
Western yellow pine	945	1,500	1,327	1,755	2,805	3,127	2,799	2,976	3,288
Spruce	1,442	1,749	1,246	980	758	751	529	572	564
Cypress	496	956	1,013	656	819	903	610	501	532
Redwood	360	522	535	410	592	511	570	487	485
Cedar	233	346	500	332	365	372	306	267	309
Larch	51	421	359	388	351	307	288	250	245
White fir		80	113	223	330	337	280	292	307
Sugar pine	54	97	136	134	228	307	232	306	349
Balsam fir		109	125	68	19	20	16	19	37
Lodgepole pine		24	18	16	18	25	13	27	31
All other softwood	9				4				
Hardwoods:									
Oak	4,438	4,414	3,270	2,708	2,028	2,120	2,013	1,830	2,574
Maple	633	1,107	910	857	842	921	774	743	824
Red gum	285	707	675	851	1,016	1,101	1,101	968	1,104
Yellow poplar	1,115	858	519	329	353	376	336	328	436
Chestnut	207	664	541	546	350	308	264	260	268
Birch	133	452	431	375	351	412	327	337	374
Beech		511	376	359	191	181	154	146	187
Basswood	308	390	265	184	173	180	146	140	133
Elm	457	347	214	194	206	191	161	156	176
Cottonwood	415	266	195	144	158	142	104	144	165
Ash	269	291	189	155	149	179	137	130	152
Hickory	97	334	116	170	96	79	52	48	57
Tupelo		97	124	144	175	220	267	315	307
Walnut	39	46	26	39	49	70	65	57	72
Sycamore	30	57	23	28	25	24	29	38	58
All other hardwood	209	63	56	61	100	115	161	156	172

[1] Not available.
[2] 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. 719.—LUMBER: Reported Production by Regions and States

NOTE.—See headnote, Table 718

[In millions of board feet]

Region and State	1889	1899	1909	1919	1923	1925	1927	1928	1929
United States	23,843	35,078	44,510	34,552	37,166	38,339	34,532	34,142	36,872
Northeastern	4,726	5,709	5,197	2,684	1,632	1,507	1,231	1,210	1,218
Maine	597	785	1,112	596	376	330	264	267	268
New Hampshire	277	572	650	339	255	261	216	239	192
Vermont	384	376	352	218	120	126	91	107	120
Massachusetts	212	344	361	167	128	109	88	112	72
Connecticut	49	108	168	87	59	42	56	34	30
New York	925	878	681	358	236	198	142	130	160
New Jersey	34	74	62	37	14	10	5	3	15
Pennsylvania	2,133	2,333	1,463	630	361	331	278	239	300
Maryland	82	194	268	113	63	89	67	60	55
Rhode Island	8	19	25	11	4	4	7	5	6
Delaware	23	36	55	27	16	7	17	13	10
Central	3,130	5,643	5,487	3,016	2,045	1,969	1,829	1,663	2,347
Ohio	565	990	543	280	152	141	128	112	175
Indiana	755	1,037	556	282	189	179	148	127	170
Illinois	222	388	170	65	28	30	29	30	38
Missouri	402	724	660	321	179	187	189	142	228
West Virginia	302	778	1,473	763	640	533	542	548	633
Kentucky	423	775	861	512	196	207	198	174	339
Tennessee	460	951	1,224	792	661	642	595	530	764
Lake States	8,251	8,750	5,476	2,692	2,392	2,445	1,794	1,803	1,771
Michigan	4,300	3,018	1,890	876	833	797	578	572	571
Minnesota	1,084	2,342	1,562	700	552	579	397	412	357
Wisconsin	2,866	3,389	2,025	1,116	1,070	1,069	819	819	843
North Carolina Pine States	1,129	2,712	5,177	3,374	2,937	2,730	2,408	2,390	2,979
Virginia	416	959	2,102	1,098	771	709	536	547	709
North Carolina	515	1,287	2,178	1,654	1,096	1,041	1,055	1,021	1,202
South Carolina	199	466	898	622	1,070	980	817	822	1,068
Southern States	3,718	6,404	14,796	12,704	13,524	14,418	12,068	11,588	12,484
Georgia	575	1,312	1,342	894	1,149	1,365	1,201	1,039	1,386
Florida	412	790	1,202	1,137	1,110	1,064	907	995	1,137
Alabama	589	1,101	1,691	1,799	1,787	2,236	2,172	1,980	2,059
Mississippi	454	1,206	2,578	2,390	2,691	3,128	2,557	2,524	2,670
Arkansas	538	1,624	2,111	1,772	1,538	1,507	1,229	1,130	1,348
Louisiana	304	1,115	3,552	3,164	3,554	3,293	2,386	2,279	2,232
Texas	843	1,232	2,099	1,380	1,550	1,578	1,446	1,447	1,452
Oklahoma	3	22	226	168	136	157	170	194	200
Rocky Mountain States	249	556	1,292	1,299	1,811	1,920	1,748	1,790	1,943
Montana	90	256	308	287	427	389	396	388	389
Idaho	28	65	646	765	1,073	1,140	924	978	1,029
Arizona	5	36	63	74	131	146	169	158	175
New Mexico	26	31	92	87	126	152	173	162	148
Colorado	80	134	142	65	38	71	67	72	71
Utah	14	18	13	12	8	6	6	8	5
Wyoming	6	17	29	9	8	16	13	24	26
Pacific States	2,028	[1] 2,902	6,906	8,798	[1] 12,762	[1] 13,287	[1] 13,390	[1] 13,630	14,149
Washington	1,064	1,429	3,863	4,961	6,678	7,027	7,326	7,305	7,302
Oregon	446	735	1,899	2,577	3,966	4,217	3,993	4,372	4,784
California	518	737	1,114	1,259	[1] 2,118	[1] 2,043	[1] 2,071	[1] 1,953	[1] 2,063
All other [2]	612	401	179	85	63	63	64	68	81
Iowa	509	352	132	18	10	10			
PERCENTAGE DISTRIBUTION									
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	4.4	3.9	3.6	3.5	3.3
Central States	*13.1*	*16.1*	*12.3*	*8.7*	*5.5*	*5.1*	*5.3*	*4.9*	*6.4*
Lake States	34.6	24.9	12.3	7.8	6.4	6.4	5.2	5.3	4.8
North Carolina Pine States	4.7	7.7	11.6	9.8	7.9	7.1	7.0	7.0	8.1
Southern States	15.6	24.0	33.3	36.8	36.4	37.0	34.9	33.9	33.8
Rocky Mountain States	1.1	1.6	2.9	3.7	4.9	5.0	5.0	5.2	5.0
Pacific States	*8.5*	*8.3*	*15.5*	*25.4*	*34.3*	*34.7*	*38.8*	*40.0*	*38.4*
All other	2.6	1.1	.4	.2	.2	.2	.2	.2	.2

[1] Figures include Nevada.

[2] Includes, besides Iowa, the Plains States of Kansas and South Dakota, and in certain years small figures for the District of Columbia, Nebraska, and Nevada.

Sources: Bureau of the Census, Department of Commerce, and Forest Service, Department of Agriculture.

No 720.—LUMBER: Average Mill Value per 1,000 Board Feet

Kind of wood	1899	1904	1909	1919	1921	1923	1925	1926	1927	1928	1929
All kinds [1]	$11.13	$12.76	$15.38	$30.21	$23.47	$31.78	$28.02	$27.34	$25.90	$25.61	$26.94
SOFTWOODS											
Balsam fir	(2)	(2)	13.09	32.23	25.71	27.62	26.65	25.64	25.92	25.40	25.49
Cedar	10.91	14.35	19.95	33.80	38.55	37.56	38.80	37.28	34.39	38.32	34.83
Cypress	13.32	17.50	20.46	38.38	36.88	44.61	40.90	43.33	39.91	36.18	35.29
Douglas fir	8.67	9.51	12.44	24.62	18.04	26.99	20.94	20.17	19.45	19.02	20.05
Hemlock	9.98	11.91	13.95	29.16	20.79	26.21	21.58	20.23	19.06	18.84	18.90
Larch (tamarack)	8.73	11.39	12.68	23.39	15.56	21.98	18.25	17.77	17.69	18.34	18.35
Lodgepole pine	(2)	(2)	16.25	29.98	21.81	21.76	20.22	19.98	20.82	19.29	17.97
Redwood	10.12	12.83	14.30	30.04	40.57	43.08	33.99	33.80	33.81	31.39	31.00
Spruce	11.27	14.03	16.91	30.76	25.73	31.44	27.98	27.27	26.50	26.50	28.64
Sugar pine	12.30	(2)	18.14	35.99	37.83	45.33	44.79	43.45	43.22	39.06	43.08
Western yellow pine	9.70	11.30	15.39	27.75	26.95	33.09	27.70	26.63	26.04	26.35	26.47
White fir	(2)	(2)	13.10	25.66	21.37	23.84	22.51	20.15	199.2	20.00	20.63
White pine	12.69	14.93	18.16	32.83	30.03	34.85	32.58	31.36	29.90	28.71	29.87
Yellow pine	8.46	9.96	12.69	28.71	19.42	29.82	26.46	26.54	23.77	24.62	25.66
HARDWOODS											
Ash	15.84	18.77	24.44	52.69	38.18	50.35	48.46	48.07	43.82	45.61	43.14
Basswood	12.84	16.86	19.50	40.03	33.09	45.60	39.76	37.07	39.84	39.72	39.88
Beech	(2)	(2)	13.25	29.98	26.99	30.22	29.21	27.84	27.71	28.63	28.39
Birch	12.50	15.44	16.95	35.79	31.53	43.33	41.68	40.80	41.03	40.30	39.35
Chestnut	13.37	13.78	16.12	32.30	27.87	29.75	30.37	29.54	29.35	31.09	29.51
Cottonwood	10.37	14.92	18.05	32.24	25.05	30.19	29.70	34.47	30.92	27.54	29.70
Elm	11.47	14.45	17.52	36.39	29.03	43.53	36.41	37.13	36.22	37.89	35.28
Gum; red and sap	9.63	10.87	13.20	32.68	22.46	32.35	31.39	33.73	31.82	31.91	34.42
Hickory	18.78	23.94	30.80	44.37	36.60	46.39	39.25	51.20	37.08	38.83	40.33
Maple	11.83	14.94	15.77	35.56	30.34	41.59	30.18	37.21	35.35	36.31	36.93
Oak	13.78	17.51	20.50	37.87	30.56	39.08	37.00	35.67	35.72	35.23	38.43
Sycamore	11.04	(2)	14.87	30.32	22.55	30.25	31.11	29.49	29.31	30.06	30.97
Tupelo	(2)	(2)	11.87	28.42	18.59	24.90	24.66	26.71	26.71	25.51	25.39
Walnut	36.49	45.64	43.79	72.13	88.83	109.38	111.53	113.57	111.64	112.54	119.15
Yellow poplar	14.03	18.99	25.39	41.65	37.31	51.29	43.44	38.63	38.58	40.90	41.66

[1] Including minor species. [2] No data.

Sources: Bureau of the Census, Department of Commerce and Forest Service, Department of Agriculture.

No. 721.—VENEERS: Timber Consumed in Manufacturing Veneers

[In thousands of feet, log scale]

State	1923	1925	1927	1929
Total	645,783	734,599	961,561	1,112,910
Alabama	43,214	38,561	41,424	43,221
Arkansas	64,117	58,122	57,611	63,363
Florida	49,016	29,999	77,321	96,199
Illinois	13,722	11,967	11,414	15,821
Kentucky	25,020	23,309	24,193	21,437
Louisiana	23,728	34,395	35,012	47,617
Mississippi	45,496	57,268	80,218	75,427
New York	16,382	34,095	27,364	37,377
North Carolina	53,196	64,640	78,171	96,417
Oregon	26,369	29,793	32,091	55,644
South Carolina	20,783	29,669	35,311	48,966
Tennessee	30,983	40,454	25,586	24,710
Virginia	21,179	26,416	33,319	24,688
Washington	53,510	112,484	140,319	181,826
Wisconsin	37,513	34,292	37,864	38,724
All other	121,565	119,135	224,343	241,479

Kind of wood	1923	1925	1927	1929
DOMESTIC				
Basswood	8,771	9,413	11,885	13,920
Birch	43,936	51,490	51,331	47,715
Cottonwood	40,404	39,860	43,456	51,742
Douglas fir	55,123	101,869	101,220	102,415
Elm	9,570	8,503	16,945	19,459
Maple	23,310	23,922	24,706	35,617
Red gum	220,703	237,465	250,247	295,035
Tupelo	36,396	48,311	113,720	88,123
Walnut	15,452	17,573	20,786	26,893
Oak	25,274	20,661	19,502	20,409
Yellow pine	65,100	45,818	92,153	119,785
Yellow poplar	45,376	50,770	56,899	71,989
All other	58,373	65,201	141,134	152,142
IMPORTED				
Mahogany	6,664	7,471	11,954	3,741
Spanish cedar	2,714	5,149	4,829	3,917
All other	961	1,114	785	10,008

Source: Bureau of the Census, Department of Commerce.

No. 722.—LATH AND SHINGLES: PRODUCTION

[All figures in thousands of lath or shingles]

Year (calendar)	Lath	Shingles	Year (calendar)	Lath	Shingles
1899	2, 523, 998	12, 102, 017	1922	2, 940, 714	8, 131, 242
1904	2, 647, 847	14, 546, 551	1923	3, 328, 013	7, 506, 869
1909	3, 703, 195	14, 907, 371	1924	2, 961, 200	6, 862, 385
1915	2, 745, 134	8, 459, 378	1925	3, 161, 137	7, 324, 027
1918	1, 362, 187	5, 690, 182	1926	3, 083, 130	6, 008, 346
1919	1, 724, 078	9, 192, 704	1927	2, 372, 333	6, 443, 868
1920	1, 952, 983	6, 156, 416	1928	1, 903, 887	5, 603, 690
1921	1, 970, 696	6, 843, 187	1929	1, 705, 858	6, 110, 672

States	Lath				Shingles			
	1909	1919	1927	1929	1909	1919	1927	1929
Alabama	50, 979	42, 502	34, 084	33, 478	245, 871	62, 241	10, 747	9, 896
Arkansas	78, 362	72, 827	31, 598	13, 906	208, 080	98, 937		4, 808
California	32, 615	43, 042	84, 941	54, 106	574, 842	101, 831	122, 314	111, 435
Florida	55, 741	76, 402	101, 217	107, 036	283, 206	128, 286	40, 606	38, 991
Georgia	58, 704	19, 718	4, 575	12, 457	443, 260	114, 806	7, 350	24, 973
Idaho	86, 740	69, 150	108, 337	92, 813	62, 308	22, 657	9, 464	18, 088
Louisiana	377, 708	190, 018	186, 167	71, 458	757, 868	300, 784	72, 159	13, 705
Maine	337, 086	104, 223	117, 756	73, 767	598, 131	188, 576	50, 854	96, 146
Michigan	218, 308	51, 469	30, 396	17, 520	891, 649	144, 173	31, 538	35, 999
Minnesota	478, 008	115, 741	131, 281	56, 653	74, 818	4, 451	110	50
Mississippi	90, 926	96, 204	144, 453	87, 937	151, 303	34, 002	11, 754	11, 158
Montana	35, 430	21, 362	19, 314	17, 002	525	253	68	20
North Carolina	70, 724	19, 079	14, 616	8, 206	280, 942	92, 139	15, 588	24, 241
Oregon	161, 512	122, 848	273, 066	236, 716	293, 644	530, 066	309, 818	330, 072
Texas	59, 627	35, 916	82, 015	46, 830	137, 719	13, 581	1, 917	4, 176
Virginia	127, 555	27, 073	14, 317	8, 497	39, 172	1, 637	50	33
Washington	451, 384	339, 058	766, 109	568, 819	8, 879, 407	7, 095, 122	5, 690, 579	5, 333, 374
West Virginia	150, 820	22, 005	58, 204	77, 501	6, 829	120		
Wisconsin	299, 845	138, 936	95, 332	67, 066	392, 863	96, 928	54, 096	37, 011
All other	481, 121	107, 505	74, 555	54, 030	585, 374	72, 114	8, 846	15, 296

No. 723.—COOPERAGE STOCK: PRODUCTION OF STAVES, HEADING, AND HOOPS

NOTE.—Production of wooden hoops in 1923 was 153,954,000; in 1925, 149,167,000; in 1927, 134,596,000; and in 1929, 133,054,000, nearly all elm

Year and kind of wood	Staves (thousands)		Heading (thousand sets)	
	Tight	Slack	Tight	Slack
1909	379, 231	2, 029, 548	20, 691	140, 234
1919	353, 825	1, 121, 324	21, 274	87, 381
1921	255, 047	893, 621	20, 505	66, 747
1923	222, 507	893, 082	19, 342	80, 477
1925	240, 022	937, 597	23, 052	71, 371
1927	324, 127	961, 782	26, 445	59, 337
1929	357, 353	1, 039, 450	30, 329	72, 591
1929				
Ash	4, 305	63, 880	389	(1)
Basswood				1, 923
Beech		(1)		724
Birch		(1)		1, 368
Cottonwood		41, 351		2, 248
Cypress	(1)		(1)	881
Douglas fir	79, 989	35, 109	4, 113	2, 315
Elm	(1)	88, 398		
Gum	27, 252	314, 890	1, 790	5, 073
Hemlock	(1)	8, 466	146	(1)
Maple	(1)	(1)		1, 783
Oak	145, 643	10, 626	20, 750	(1)
Pine	20, 776	354, 520	1, 742	46, 077
Spruce	77, 587	54, 355	1, 193	5, 624
Tupelo	(1)	22, 882		1, 239
All other	1, 801	44, 973	206	2, 736

State	Staves (thousands)		Heading (thousand sets)	
	Tight	Slack	Tight	Slack
1929				
Alabama	9, 427	66, 969	(1)	20, 416
Arkansas	72, 400	169, 118	16, 802	(1)
Florida	(1)	30, 842	(1)	2, 563
Georgia	9, 329	18, 815	420	9, 277
Kentucky	10, 335	2, 470	(1)	(1)
Louisiana	20, 990	75, 236	(1)	(1)
Maine		9, 875	(1)	1, 780
Maryland		11, 826		190
Minnesota				1, 954
Mississippi	12, 345	106, 671	(1)	(1)
Missouri	13, 949	52, 634	(1)	(1)
New Hampshire	(1)	7, 521	(1)	974
New York	(1)			246
North Carolina	(1)	74, 032		3, 848
South Carolina	(1)			6, 595
Tennessee	24, 030	27, 903	3, 316	(1)
Virginia	(1)	196, 622	(1)	2, 329
All other	184, 548	188, 916	9, 791	21, 910

[1] Included in "All other."

Sources of Tables 722 and 723: Bureau of the Census, Department of Commerce, and Forest Service Department of Agriculture.

No. 724.—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	1,986,310	9,838	$4.95	1920	6,114,072	116,496	$19.03	1925	6,093,821	94,340	$15.48
1905	3,192,123	17,736	5.56	1921	4,557,179	91,589	20.10	1926	6,766,007	101,229	14.96
1909	4,001,607	34,478	8.62	1922	5,548,842	89,895	16.20	1927	6,750,035	95,452	14.14
1914	4,470,763	39,408	8.81	1923	5,872,870	95,306	16.23	1928	7,160,100	97,024	13.55
1919	5,447,832	87,386	15.95	1924	5,768,082	92,672	16.07	1929	7,645,011	100,054	13.09

Kind of wood	Total consumption (cords)				Consumption by processes,[1] 1929 (cords)				Average cost per cord, 1929
	1909	1919	1925	1929	Mechanical	Sulphite	Soda	Sulphate	
Total	4,001,607	5,477,832	6,093,821	7,645,011	1,559,788	3,420,646	925,371	1,701,359	$13.09
Spruce:									
Domestic	1,653,249	2,313,419	2,253,219	2,074,267	950,134	1,004,876	2,213	57,044	16.70
Imported	768,332	873,795	818,143	1,029,913	320,413	673,784	25,723	9,993	19.89
Hemlock:									
Domestic	559,657	795,154	1,013,109	1,309,170	111,184	960,380	10,640	226,966	9.90
Imported			21,705	15,379	9,728	5,651			12.23
Yellow pine (southern)	90,885	234,463	531,157	1,036,272	6,827	34,035	95,884	899,526	7.57
Poplar:									
Domestic	302,876	180,160	206,982	329,466	36,830	9,577	281,993	1,066	13.60
Imported	25,622	158,220	195,938	157,829	78	14,505	143,246		17.99
Balsam fir:									
Domestic	95,366	288,814	214,600	317,552	49,176	188,018	613	79,745	13.17
Imported			52,590	45,412	5,767	33,580		6,065	17.84
Jack pine	[2]	51,581	102,040	195,577	11,576			184,001	10.86
Yellow poplar	[3]	72,605	145,871	129,697		13,638	116,059		11.41
White fir	37,176	31,138	84,305	111,054	31,681	64,847		14,526	9.12
Tamarack (larch)	[4]	44,042	76,585	51,835	87			51,748	11.94
Gum	[4]	30,355	43,386	39,685	605	1,515	33,584		11.85
Other wood	219,467	229,005	177,975	210,618	2,938	4,115	201,366	10,333	11.57
Slabs and mill waste	248,977	175,081	156,216	561,285	22,764	352,125	14,050	160,346	5.26

[1] In addition there were 37,487 cords of semichemical pulpwood consumed.
[2] Included in yellow pine. [3] Included in domestic poplar. [4] Included in "Other wood."

No. 725.—WOOD PULP: Total Production and by States and Processes

Note.—In 1929, 1,474,415 tons of mechanical pulp were not steamed and 163,238 tons steamed; of the other chemical pulp (sulphite, soda, and sulphate) 1,734,713 tons were unbleached and 1,385,611 bleached

Year	Tons	Year	Tons[1]	Year	Tons[1]	Year	Tons[1]
1890	1,179,525	1914	2,893,150	1923	3,788,672	1927	4,313,403
1904	1,921,768	1919	3,517,952	1925	3,962,217	1928	4,510,800
1909	2,495,523	1921	2,875,601	1926	4,394,766	1929	4,862,895

State and process[1]	1909	1919	1921	1923	1925	1927	1929
Principal States:							
Maine	620,705	916,764	710,329	901,007	917,632	942,162	981,433
Louisiana		[2]	[2]	48,225	87,147	179,878	246,690
New York	679,534	811,953	606,869	760,199	770,777	710,227	662,988
Wisconsin	324,509	506,549	488,501	577,993	599,601	690,921	733,617
Pennsylvania	135,525	215,686	167,310	236,000	224,399	216,587	213,083
New Hampshire	212,599	232,134	152,797	188,323	217,489	200,324	212,774
Michigan	64,369	106,194	103,532	138,034	161,063	193,539	178,015
Minnesota	37,295	129,560	117,934	170,609	171,536	191,220	189,664
Washington	[2]	83,575	95,161	136,943	161,853	268,349	523,948
West Virginia	48,797	39,195	27,623	23,072	27,167	[2]	[2]
Vermont	59,356	85,945	41,945	70,840	45,597	32,562	26,307
Virginia	48,641	[2]	[2]	130,013	145,619	170,630	206,050
California and Oregon	83,602	123,990	124,494	162,653	160,736	200,869	256,546
Other States	180,501	266,402	239,106	243,861	270,596	316,135	431,879
Process:							
Mechanical	1,170,266	1,518,829	1,207,382	1,580,553	1,629,689	1,618,638	1,649,112
Sulphite	1,017,631	1,419,829	1,166,926	1,448,690	1,447,191	1,588,132	1,729,889
Soda	298,626	411,693	300,533	445,162	472,647	487,478	520,729
Sulphate		120,378	140,760	314,267	412,690	607,172	922,674
Semichemical						11,983	40,481

[1] Beginning 1914 includes screenings except data by process for 1919. [2] Not shown separately.
Sources of Tables 724 and 725: Bureau of the Census, Department of Commerce.

No. 726.—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				
	1921	1923	1925	1927	1929	1921	1923	1925	1927	1929
Paper and paper boards, total	5,431	8,029	9,182	10,002	11,091	585,735	812,509	862,589	872,207	897,523
Standard newsprint, in rolls and sheets	1,237	1,521	1,563	1,517	1,409	114,315	110,865	106,083	98,782	80,707
Hanging	57	111	105	113	101	5,949	10,285	9,506	9,035	7,294
Poster, novel, newstablet, lining, catalogue, etc	35	55	84	183	262	4,174	4,960	7,096	15,573	21,314
Book [1]	702	1,208	1,328	1,329	1,498	122,930	169,286	175,525	160,869	168,272
Cover	16	21	24	26	28	4,112	4,974	5,086	5,938	6,430
Writing (fine)	231	377	474	509	587	61,314	89,098	105,474	105,148	111,533
Wrapping	827	1,184	1,292	1,525	1,606	103,259	141,532	143,587	162,580	163,442
Boards	1,740	2,793	3,287	2,774	4,451	104,346	182,867	192,942	211,264	227,761
Tissue	186	251	281	316	370	33,647	44,144	45,735	46,617	51,132
Absorbent	12	16	51	64	79	2,667	3,777	10,000	13,331	15,036
Building	217	345	[2] 582	[2] 626	[2] 659	12,842	23,529	[2] 45,692	[2] 40,062	[2] 39,376
All other	81	148	111	21	39	16,179	27,195	15,142	3,008	5,226

[1] Excludes plate, map, and woodcut paper and, prior to 1927, also lithograph paper.
[2] Not strictly comparable with earlier years due to a change in classification.
Source: Bureau of the Census, Department of Commerce.

No. 727.—TURPENTINE AND ROSIN PRODUCTION

Year [1]	Turpentine (gallons)			Rosin (barrels of 500 pounds)		
	Total	From gum	From wood	Total	From gum	From wood
1899	37,733,500	37,733,500	[2]	2,434,933	2,434,933	[2]
1904	31,129,236	30,687,051	442,185	1,964,674	1,964,674	[2]
1909	29,714,132	28,988,954	706,868	1,827,760	1,827,760	[2]
1914	27,648,939	26,980,981	575,557	1,649,160	1,615,643	29,022
1919	19,228,174	17,693,841	1,534,333	1,269,717	1,138,660	131,057
1921	24,820,620	24,378,854	441,766	1,690,971	1,661,624	29,347
1923	29,781,944	27,174,580	2,607,364	1,990,865	1,790,087	200,778
1924	29,333,450	26,072,200	3,261,250	2,018,296	1,760,765	257,531
1925	27,261,425	23,922,250	3,339,175	1,903,370	1,618,866	284,504
1926	29,483,055	[3] 25,500,000	[4] 3,983,055	2,105,480	[3] 1,740,000	[4] 365,480
1927	35,882,258	31,549,082	4,333,176	2,524,000	2,071,813	452,187
1928	31,894,800	[3] 28,000,000	[4] 3,894,800	2,296,654	[3] 1,865,000	[4] 431,654
1929	35,940,124	31,320,871	4,619,253	2,454,186	1,975,631	478,555

PRODUCTION FROM CRUDE GUM	Turpentine (gallons)				Rosin (barrels of 500 pounds)			
	1919	1925	1927	1929	1919	1925	1927	1929
Alabama	2,037,005	1,557,200	2,179,710	1,993,410	120,839	102,775	144,381	123,798
Florida	6,992,489	8,649,050	10,275,713	9,847,151	486,432	570,837	711,852	623,188
Georgia	3,997,310	10,301,750	15,060,761	15,938,491	234,690	679,915	953,923	1,002,446
Mississippi	1,749,812	2,914,250	1,879,418	1,267,776	115,984	192,339	117,688	81,683
Louisiana	1,885,231				112,900			
Texas	906,404		1,357,929	1,032,900	60,179		93,601	70,580
North Carolina and South Carolina	125,590	500,000	795,551	1,241,143	7,636	33,000	50,368	73,936

[1] The figures of turpentine and rosin from crude gum beginning with 1919 and from wood beginning with 1925 refer to the crop year ended Mar. 31 of the year following. All other figures relate to calendar years.
[2] Not reported.
[3] Estimated: Savannah Naval Stores Review, and Bureau of Chemistry, Department of Agriculture.
[4] Compiled by J. E. Lockwood, Hercules Powder Co., for 1926; by the Producers' Committee, J. E. Lockwood, secretary, for 1928.
Source: Bureau of the Census, Department of Commerce.

30.—FISHERIES

No. 728.—QUANTITY AND VALUE OF THE PRODUCTS OF THE FISHERIES OF SPECIFIED SECTIONS

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
1889	653,170	10,550.6	129,560	2,111.2	4,355	88.5
1902	534,075	12,406.3	242,390	2,918.8	1,593	50.4
1905	480,284	14,184.2	124,724	2,386.4	1,036	51.9
1908	*530,029*	*15,139.0*	*173,843*	*3,257.0*	*677*	*53.0*
1919	467,340	19,838.7	147,956	3,889.0	529	92.7
1924	406,822	18,818.1	116,707	4,137.0	447	56.0
1928	603,598	25,619.9	123,326	4,231.1	239	45.5
1929	694,286	29,072.5	162,939	4,897.2	378	52.1

Calendar year	Massachusetts		Rhode Island		Connecticut	
1880		7,959.8		696.8		933.2
1889	299,218	5,858.3	127,365	935.1	39,750	1,557.5
1902	230,646	6,482.4	21,614	1,155.7	37,832	1,799.4
1905	255,664	7,025.2	23,896	1,546.7	74,973	3,173.9
1908	244,313	7,095.0	44,254	1,752.0	66,942	2,982.0
1919	246,951	10,859.7	48,251	3,206.6	23,653	1,700.6
1924	243,363	10,799.6	20,535	1,818.9	25,770	2,006.7
1928	380,169	15,648.8	27,666	2,397.9	72,198	3,296.6
1929	447,689	18,052.5	28,401	2,435.3	54,879	3,635.4

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	408,203	8,489.1	329,453	4,225.7	65,151	3,176.6	1,080	89.1	11,918	997.7
1890	299,104	8,645.1	192,471	4,602.2	88,730	3,447.4	7,849	328.2	10,054	267.3
1901	357,888	9,104.7	228,092	3,894.3	117,931	4,755.5	6,030	251.5	5,835	203.4
1904	375,412	10,043.1	277,650	6,230.6	90,108	3,385.4	2,046	167.5	5,608	259.6
1908	221,450	8,280.0	71,474	4,390.0	74,827	3,069.0	4,380	280.0	70,769	541.0
1921	332,932	11,667.4	210,377	4,986.9	90,937	5,983.4	595	44.6	25,023	652.4
1926	168,012	12,456.3	60,721	5,128.7	73,299	6,254.3	735	43.3	33,258	1,030.0
1929	190,773	14,137.6	47,259	5,061.7	110,002	8,730.7	42	9.3	33,470	335.9

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
1890	329,188	9,555.5	143,906	6,019.2	185,283	3,536.4
1901	461,159	8,330.8	82,975	3,767.5	378,183	4,613.4
1904	436,445	8,920.9	81,129	3,336.6	355,316	5,584.4
1908	426,311	8,022.0	113,796	3,306.0	312,615	4,716.0
1920	530,750	12,740.4	59,531	4,198.7	471,219	8,541.7
1925	333,206	13,948.1	56,978	4,863.4	276,228	9,084.6
1929	274,673	11,580.6	63,388	4,294.9	211,285	7,285.7

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
1890	67,202	1,573.7	51,799	1,027.7	4,945	202.6	2,994	123.6	7,464	219.9
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
1923	228,748	5,086.3	95,192	2,414.5	6,763	284.8	39,896	668.1	86,896	1,719.9
1927	260,669	5,695.9	144,466	2,777.4	8,374	350.4	47,607	697.2	60,222	1,870.9
1928	*258,440*	*6,027.2*	*141,899*	*2,629.2*	*7,432*	*316.8*	*42,069*	*866.3*	*67,040*	*2,214.9*
1929	340,874	5,952.5	217,595	2,544.0	6,135	275.1	43,514	877.2	73,630	2,256.2

No. 728.—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	8,376	504.8	3,542	119.3
1890	69,076	2,438.7	27,419	1,064.1	4,777	154.9
1902	113,697	3,494.2	48,120	1,462.2	9,351	266.7
1908	118,274	4,860.0	37,566	2,120.0	10,665	387.0
1918	130,924	6,510.3	54,754	3,420.4	5,609	230.6
1923	160,324	8,096.7	73,266	4,026.2	7,631	341.6
1927	195,705	9,965.8	73,835	4,351.4	10,076	437.2
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

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	22.5	6,996	392.6	3,859	128.3
1890	8,131	245.7	20,789	660.1	7,959	313.8
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	24,954	1,419.4	25,015	677.2
1923	25,032	995.7	34,835	1,961.1	19,560	782.0
1927	34,503	1,259.4	56,208	2,863.5	21,083	1,054.3
1928	30,701	1,060.1	69,507	3,477.9	15,212	876.0
1929	34,629	1,005.3	61,920	2,764.6	16,624	907.3

PACIFIC COAST STATES

Calendar year	Total		Washington		Oregon		California	
	1,000 pounds	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*
1888	71,883	2,993.1	23,400	890.9	25,169	1,010.8	23,313	1,091.4
1899	219,338	6,316.2	121,630	2,884.9	23,246	862.9	74,462	2,568.4
1904	168,000	6,680.9	88,955	2,972.6	27,595	1,185.1	52,110	2,523.1
1908	176,150	6,839.0	100,456	3,513.0	28,217	1,356.0	47,477	1,970.0
1915	286,205	9,300.7	158,983	5,317.1	34,708	1,495.5	92,513	2,488.1
1922	282,968	12,983.6	69,470	4,953.9	22,372	1,255.7	191,127	6,774.0
1923	404,949	19,042.1	111,262	7,800.7	32,883	3,504.4	260,805	7,737.1
1924	477,515	20,416.5	93,042	7,487.7	39,578	3,203.6	344,895	9,725.1
1925	624,022	25,510.4	143,714	10,406.3	40,007	3,442.4	440,301	11,661.7
1926	521,286	18,914.7	89,637	7,942.3	32,998	3,068.0	398,651	7,904.3
1927	651,197	22,306.6	125,655	9,145.4	34,195	3,102.9	491,347	10,058.3
1928	693,484	20,512.8	82,874	7,500.8	27,474	2,686.3	583,136	10,325.7
1929	1,034,434	25,038.4	152,224	9,562.7	25,284	2,005.2	856,926	12,870.5

GREAT LAKES

Calendar year	Total [1]		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	2,691.9	8,826	291.5	23,518	878.8	11,457	276.4	51,457	1,109.1
1890	113,899	2,471.8	6,116	221.0	26,434	830.5	10,056	221.1	64,851	1,000.9
1899	113,727	2,611.4	5,430	150.9	34,500	876.7	12,418	308.1	58,394	1,150.9
1903	86,195	2,745.5	13,205	343.7	33,579	1,099.6	14,455	450.3	23,189	786.0
1908	106,631	3,768.0	10,198	342.0	40,019	1,554.0	12,932	486.0	41,922	1,280.0
1917	103,750	6,298.0	15,447	726.7	35,461	2,270.9	13,363	857.5	38,300	2,330.2
1922	108,732	6,689.6	10,988	484.3	26,128	2,133.8	13,942	945.3	56,338	2,977.1
1926 [2]	72,908	6,444.6	13,436	760.5	20,495	2,077.6	13,132	1,201.0	25,057	2,246.5
1927 [2]	79,188	6,614.8	15,302	918.1	23,681	2,354.8	15,711	1,444.4	23,796	1,831.3
1928 [2]	63,308	5,960.8	13,132	772.7	17,990	2,332.5	9,943	1,024.0	19,643	1,573.9
1929	85,389	6,787.7	17,148	835.2	35,616	3,460.9	10,477	927.5	18,648	1,268.1

[1] Includes small amounts for Lake Ontario, Lake-of-the-Woods, Namakan Lake, Rainy Lake, Lake St. Clair, and St. Clair and Detroit Rivers not shown separately.

[2] Data collected for the most part by State fishery agencies and compiled by the Bureau of Fisheries.

No. 728.—Quantity and Value of the Products of the Fisheries of Specified Sections—Continued

MISSISSIPPI RIVER AND TRIBUTARIES

	Total		Tributary	1922	
	1,000 pounds	*1,000 dollars*		*1,000 pounds*	*1,000 dollars*
1894	44, 545	1, 384. 6	Arkansas River	2, 034	136. 3
1899	96, 797	1, 781. 0	Atchafalaya River [4]	4, 579	254. 7
1903	93, 374	1, 841. 2	Cumberland River	728	14. 7
1908	148, 284	3, 125. 0	Illinois River [5]	12, 661	617. 3
1922	105, 734	4, 503. 5	Missouri River [6]	1, 232	105. 2
			Ohio River [5]	7, 458	379. 1
	Mississippi River [3]		Red River [5]	6, 677	324. 5
			St. Francis River [5]	3, 684	108. 9
			Tennessee River [5]	4, 990	98. 3
1894	21, 242	587. 8	Wabash River [5]	12, 063	357. 8
1899	68, 604	823. 0	White River (Missouri and Arkansas) [5]	14, 662	405. 9
1903	53, 851	1, 157. 4	Yazoo River	1, 022	55. 6
1922	33, 945	1, 645. 3			

[3] Including minor tributaries.
[4] Not included with Mississippi River and tributaries, 1899 to 1908.
[5] Including tributaries.

No. 729.—SUMMARY OF THE FISHERIES OF THE UNITED STATES AND ALASKA, 1929 [1]

Section	Fishermen	Fishing vessels	Fishing boats	Persons on transporters	Transporting vessels	Products	
						Quantity	Value
	Number	*Number*	*Number*	*Number*	*Number*	*1,000 pounds*	*1,000 dollars*
Total	**123, 146**	**4, 367**	**79, 065**	**4, 246**	**1, 434**	**3, 567, 277**	**123, 054**
New England	17, 160	731	11, 617	404	154	694, 286	29, 072
Middle Atlantic States	10, 491	583	4, 396	100	32	190, 773	14, 138
Chesapeake Bay States	18, 470	406	13, 415	855	465	274, 674	11, 581
South Atlantic States and Gulf States	26, 643	614	17, 541	757	193	535, 395	14, 904
Pacific Coast States	19, 992	799	7, 659	310	125	1, 034, 434	25, 038
Mississippi River States [2]	12, 310		15, 538	27	13	100, 903	4, 449
Lake States	7, 159	500	3, 479	77	36	85, 389	6, 788
Alaska	10, 921	734	5, 420	1, 716	416	651, 423	17, 084

[1] All figures are for 1929 except for the Mississippi River States. See note 2.
[2] Figures for catch of mussels are for 1929; for operating units and catch of other products, for 1922.

No. 730.—FISHERY PRODUCTS LANDED AT SEATTLE, WASH., BY UNITED STATES VESSELS AND FISH RECEIVED BY SEATTLE WHOLESALE DEALERS

Species	Quantity in thousands of pounds				Value in dollars			
	1927	1928	1929	1930	1927	1928	1929	1930
Grand total	**31, 515**	**33, 773**	**39, 671**	**38, 850**	**3, 620, 731**	**3, 147, 362**	**4, 029, 074**	**3, 462, 304**
Landed by U. S. vessels [1]	**15, 733**	**17, 547**	**16, 257**	**16, 562**	**2, 009, 404**	**1, 755, 959**	**1, 996, 468**	**1, 703, 083**
Halibut	11, 795	13, 734	12, 360	12, 618	1, 786, 815	1, 594, 573	1, 791, 767	1, 529, 103
Sablefish	2, 426	2, 252	2, 251	2, 659	159, 209	105, 486	137, 892	121, 701
Lingcod	973	957	1, 070	747	40, 294	33, 173	41, 351	30, 829
Rockfishes	531	575	577	538	22, 636	21, 292	25, 448	21, 450
Sturgeon	8	29			450	1, 435		
Received by wholesale dealers [2]	**15, 782**	**16, 226**	**23, 414**	**22, 288**	**1, 251, 327**	**1, 391, 403**	**2, 032, 606**	**1, 759, 221**
Salmon—								
Humpback or pink	646	223	3, 204	9	29, 660	7, 056	141, 638	236
Chum or keta	2, 361	2, 439	5, 001	4, 662	101, 340	*122, 605*	*251, 000*	*69, 214*
King or spring	7, 680	7, 066	8, 174	9, 532	776, 480	860, 049	1, 071, 023	1, 158, 328
Coho or silver	3, 009	3, 578	4, 604	4, 631	241, 920	298, 662	420, 660	344, 629
Sockeye or red	94	102	133	90	9, 400	11, 190	19, 650	10, 763
Trout, steelhead	117	135	89	86	11, 230	13, 980	12, 711	12, 080
Smelt	202	219	142	497	22, 560	26, 225	20, 003	28, 385
Sole	371	310	287	325	14, 540	10, 376	14, 020	12, 433
Crabs	301	273	608	1, 389	20, 505	19, 450	41, 105	98, 638
Miscellaneous	*1, 001*	*1, 881*	*1, 172*	*1, 017*	*23, 692*	*21, 810*	*40, 796*	*24, 525*

[1] Halibut fleet. [2] Does not include fish received from Alaska or Canada.

Source of Tables 728, 729, and 730: Bureau of Fisheries, Department of Commerce.

No. 731.—FISHERIES: PRODUCTS LANDED AT BOSTON AND GLOUCESTER, MASS., AND PORTLAND, ME., BY FISHING VESSELS

Port and calendar year	Total, all species	Cod	Haddock	Hake	Pollock	Cusk	Halibut	Mackerel	Miscellaneous
	Quantity in thousands of pounds								
All three ports:									
1919	196,481	65,374	82,716	4,339	18,752	2,063	2,115	5,713	15,408
1920	178,281	62,266	75,279	4,721	8,561	1,855	3,789	7,294	14,516
1921	150,865	53,515	67,413	4,536	6,945	2,098	5,666	3,384	7,308
1922	159,875	55,180	70,196	5,374	5,097	2,247	5,624	4,727	11,430
1923	174,941	62,655	73,762	6,338	4,804	2,998	4,875	11,565	7,945
1924	182,948	61,449	79,902	7,285	5,085	3,406	4,422	9,758	11,643
1925	216,809	67,250	91,886	5,806	5,290	3,713	3,561	26,210	13,153
1926	238,426	78,219	94,061	5,505	6,740	2,728	3,431	36,233	11,511
1927	263,850	63,355	128,593	5,862	7,663	2,727	4,779	31,530	19,341
1928	277,982	59,302	155,331	8,423	8,040	2,358	3,385	24,253	16,890
1929	327,096	50,647	187,204	12,051	10,565	3,483	2,696	37,743	22,707
1930	350,801	66,616	180,371	15,618	13,380	4,433	2,581	33,513	24,089
Boston:									
1928	218,388	39,956	136,840	6,590	3,087	1,573	3,316	15,305	11,721
1929	255,722	38,879	160,099	10,167	4,453	2,703	2,521	21,264	15,036
1930	285,257	52,399	167,098	12,696	4,671	3,412	2,510	23,682	13,789
Gloucester:									
1928	41,904	16,090	9,659	392	4,092	305	4	8,212	3,150
1929	53,880	9,774	18,864	578	5,161	224	47	14,480	4,752
1930	47,359	11,501	13,457	1,635	8,379	393	25	9,102	2,867
Portland:									
1928	17,690	3,256	8,832	1,441	861	480	65	736	2,019
1929	17,494	1,993	7,640	1,307	951	556	128	2,000	2,910
1930	18,185	2,716	8,816	1,287	930	629	46	728	3,033
	Value in thousands and tenths of thousands of dollars								
All three ports:									
1919	7,548.4	2,583.2	2,793.9	181.1	380.5	62.2	387.2	547.2	613.1
1920	8,227.0	2,637.6	2,740.1	153.9	262.1	48.1	741.8	763.1	880.3
1921	5,722.6	1,730.8	2,046.2	109.6	164.6	37.8	803.1	335.6	494.9
1922	5,465.9	1,635.3	1,809.4	111.3	118.0	34.6	784.1	276.0	696.6
1923	7,051.2	2,184.1	2,423.2	142.4	152.2	61.7	922.7	487.0	677.3
1924	6,993.0	2,138.3	2,308.6	186.1	159.4	68.1	789.6	541.0	801.0
1925	8,115.6	2,321.2	2,747.7	173.7	147.6	84.6	655.2	1,191.0	794.4
1926	9,057.7	2,647.5	3,082.9	146.2	153.7	69.6	671.2	1,406.0	880.1
1927	9,404.5	2,146.5	3,531.7	156.5	171.8	71.4	830.9	1,295.0	1,191.0
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	394.9	263.8	113.2	443.0	1,157.6	1,559.1
Boston:									
1928	8,806.1	1,506.0	4,574.0	182.0	83.6	43.5	597.0	874.2	946.0
1929	10,736.6	1,508.5	6,010.2	351.1	122.1	81.4	459.8	912.0	1,285.5
1930	10,870.6	1,686.7	5,994.7	338.4	106.9	90.1	432.3	872.7	1,348.8
Gloucester:									
1928	1,477.7	567.4	222.8	7.1	76.0	4.8	0.6	446.8	152.1
1929	1,708.6	386.2	586.8	15.7	104.0	3.7	3.9	417.5	190.8
1930	1,348.1	424.8	372.6	29.7	141.7	6.4	3.7	256.9	112.3
Portland:									
1928	565.3	125.3	239.7	32.6	14.8	14.4	11.4	34.9	92.1
1929	606.5	88.8	242.3	38.3	17.4	17.8	20.8	52.9	128.2
1930	566.8	96.6	278.5	26.8	15.2	16.7	7.0	28.0	98.0

No. 732.—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 707 and 814

Product	1923	1924	1925	1926	1927	1928	1929	1930
Total values	85,151	82,468	95,177	98,326	94,177	110,753	124,833	106,579
Salmon	45,534	42,402	47,370	56,219	45,729	54,638	56,086	42,835
California sardines	4,608	5,446	6,381	7,807	9,269	9,659	11,997	8,742
Maine and Massachusetts sardines	5,289	7,191	6,717	6,727	5,249	8,076	6,898	4,459
Tuna and tunalike fishes	6,915	5,757	8,499	5,282	8,368	8,374	9,873	13,056
Shrimps and crabs	4,429	4,645	3,385	4,147	5,348	5,559	5,559	6,017
Clams	1,711	2,161	1,850	2,005	2,745	2,624	2,548	2,666
Oysters	2,720	2,478	3,721	2,027	2,308	2,761	2,732	1,837
Miscellaneous canned products	1,119	2,085	2,204	1,978	2,308	4,514	5,372	4,246
Menhaden—meal, scrap, and oil	6,411	3,310	5,623	3,442	3,690	3,440	3,630	2,674
Miscellaneous by-products	6,415	6,983	8,978	8,691	9,103	11,441	20,138	21,047

Source of Tables 731 and 732: Bureau of Fisheries, Department of Commerce.

No. 733.—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]

Specie	Quantity				Value			
	Total	Washington	Oregon and California	Alaska	Total	Washington	Oregon and California	Alaska
Total, all species:								
1923	6,403.0	975.8	391.5	5,035.7	45,533.6	7,533.4	5,127.1	32,873.0
1924	6,253.6	542.0	416.7	5,294.9	42,401.6	5,062.1	4,332.4	33,007.1
1925	6,018.6	1,132.5	426.2	4,459.9	47,369.5	10,079.5	5,300.4	31,989.5
1926	7,488.6	489.6	346.2	6,652.9	50,219.3	5,428.3	4,711.0	46,080.0
1927	5,076.6	1,091.0	413.5	3,572.1	45,728.8	10,158.2	5,554.3	30,016.3
1928	6,926.8	497.4	345.5	6,083.9	54,638.1	5,024.0	4,230.2	45,383.9
1929	6,990.7	1,278.5	342.1	5,370.1	56,085.7	10,922.4	4,693.9	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
Cobo or silver:								
1928	450.8	110.0	42.1	298.7	3,470.1	937.3	407.5	2,125.3
1929	370.7	113.8	85.0	171.9	3,343.5	1,088.7	950.3	1,304.5
1930	580.8	141.5	106.9	332.4	5,178.4	1,294.4	1,138.9	2,745.1
Chum or keta:								
1928	1,305.3	103.4	116.2	995.7	7,916.9	1,178.4	702.0	6,036.5
1929	1,126.6	208.8	53.3	864.5	6,039.8	1,123.7	294.8	4,621.3
1930	672.7	64.2	8.6	599.9	2,427.2	235.3	29.6	2,162.3
Humpback or pink:								
1928	2,793.3	6.1	----------	2,787.2	18,331.0	45.5	----------	18,285.5
1929	3,299.4	727.7	----------	2,571.7	20,455.0	4,876.6	----------	15,579.4
1930	3,207.8	19.2	----------	3,188.6	13,369.0	80.6	----------	13,288.4
King, chinook, or spring:								
1928	337.0	110.6	172.2	54.2	5,248.1	1,748.0	2,897.3	602.8
1929	351.9	96.7	183.1	72.1	5,601.0	1,007.7	3,133.5	859.8
1930	373.3	101.1	212.3	59.9	5,690.2	1,592.8	3,209.2	708.2
Red or sockeye:								
1928	2,021.3	70.2	3.0	1,948.1	19,409.6	1,015.2	60.6	18,333.8
1929	1,819.1	123.0	6.2	1,689.9	20,315.0	2,099.1	111.5	18,104.4
1930	1,283.7	376.3	5.9	851.5	15,899.8	5,074.4	124.4	10,701.0
Steelhead:								
1928	19.1	7.1	12.0	----------	262.4	99.6	162.8	----------
1929	23.0	8.5	14.5	----------	330.4	126.6	203.8	----------
1930	18.1	6.4	11.5	0.2	271.3	86.9	183.5	0.9

Source: Bureau of Fisheries, Department of Commerce.

No. 734.—ALASKA FISHERY INDUSTRIES: SUMMARY OF PRODUCTS

Product	Unit	Quantity in thousands of unit specified					Value in thousands of dollars				
		1915	1920	1925	1929	1930	1915	1920	1925	1929	1930
Total	----------	----------	----------	----------	----------	134,470	21,006	41,492	40,039	50,096	37,679
Salmon:											
Canned	Case	4,500	4,429	4,460	5,370	5,082	18,653	35,603	31,990	40,469	23,695
Fresh and frozen	Pound	3,137	5,165	5,193	5,603	7,909	219	424	395	539	679
Cured, all forms	do	4,929	3,067	6,895	6,668	6,979	341	510	1,297	1,445	1,096
By-products	do	1,922	2,071	1,738	2,202	2,703	40	105	60	71	62
Halibut, fresh and frozen	do	15,718	15,295	10,972	37,457	31,557	812	1,727	884	4,423	2,991
Herring:											
Fresh and frozen	do	----------	----------	----------	117	79	----------	----------	----------	5	4
Cured for food	do	7,195	8,582	35,171	6,982	8,765	114	542	2,323	553	496
Bait	do	----------	4,085	7,087	8,921	9,298	----------	41	39	95	103
By-products	do	2,213	11,186	34,806	50,558	50,002	41	720	1,490	2,141	1,531
Cod	do	14,196	12,764	2,854	714	322	390	1,117	129	40	17
Sablefish	do	143	584	1,043	472	449	4	29	45	23	21
Other fish	do	148	110	142	143	484	10	14	10	13	26
Shrimps	do	----------	112	520	498	514	----------	49	207	200	211
Crabs	do	14	8	206	211	107	1	2	53	73	35
Clams	do	----------	222	2,066	704	853	----------	47	492	204	242
Whales:											
Oil	do	7,337	8,317	7,224	6,251	7,034	333	436	556	431	417
Fertilizer	do	2,990	3,199	2,444	2,622	2,340	48	120	57	69	51
All other	do	----------	18	797	52	43	----------	6	12	2	2

Source: Bureau of Fisheries, Department of Commerce.

No. 735.—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	Humpback or pink	King or spring	Red or sockeye	Coho or silver	Chum or keta	Humpback or pink	King or spring	Red or sockeye
1910–1914	14,885	3,423	129	439	1,040	42	1,771	4.55	2.94	3.14	5.25	5.44
1915	18,653	4,500	124	480	1,876	88	1,932	4.31	2.59	2.78	4.63	5.82
1916	23,209	4,901	261	724	1,738	66	2,111	5.34	3.34	3.64	5.36	6.04
1917	46,304	5,947	193	907	2,297	62	2,488	8.76	6.14	6.44	10.40	9.48
1918	51,042	6,606	219	1,305	2,439	49	2,534	9.15	6.27	6.58	9.85	9.44
1919	43,265	4,584	233	1,366	1,612	96	1,278	11.27	6.82	8.35	13.13	12.98
1920	35,603	4,429	192	1,034	1,503	110	1,501	9.13	4.19	5.47	10.97	13.05
1921	19,633	2,597	107	255	424	45	1,766	5.63	3.68	4.21	10.22	8.96
1922	29,787	4,502	176	566	1,655	31	2,071	5.47	3.98	4.34	8.08	9.24
1923	32,873	5,036	164	526	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	11.01	13.12
1926	46,080	6,653	203	902	3,338	52	2,157	8.40	5.01	5.39	10.37	9.89
1927	30,016	3,572	253	508	1,421	70	1,320	8.51	5.47	5.87	11.25	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	40,469	5,370	172	864	2,572	72	1,690	7.59	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

No. 736.—FISH PROPAGATION: OUTPUT OF FISH EGGS, FRY, AND FINGERLINGS, BY UNITED STATES BUREAU OF FISHERIES, YEARS ENDED JUNE 30

[All quantities expressed in thousands]

Year	Total	Eggs	Fry	Fingerlings	Cost per million [1]
1895	619,916	55,408	561,894	2,613	$292.64
1900	1,164,337	88,682	1,070,757	4,898	250.00
1915	4,288,758	336,260	3,694,282	58,216	131.55
1920	4,770,356	630,749	3,872,218	267,388	130.11
1922	5,125,101	1,068,981	3,716,688	339,432	120.36
1923	4,314,850	1,463,730	2,586,812	264,316	143.30
1924	5,361,811	1,237,582	3,863,848	260,381	116.25
1925	5,301,862	1,050,393	4,114,514	136,954	135.61
1926	5,232,240	737,135	4,195,939	299,166	142.50
1927	6,481,073	1,523,458	4,767,113	190,502	116.30
1928	7,036,317	2,253,244	4,521,439	261,634	119.37
1929	7,060,369	2,861,236	4,062,948	136,185	125.55
1930	7,570,482	2,553,481	4,766,831	250,170	120.50

Species	1930			Species	1930		
	Eggs	Fry	Fingerlings		Eggs	Fry	Fingerlings
Catfish			86,423	Grayling		1,000	
Buffalo fish	35,613		1,376	Smelt	12,000		
Common sucker	6,750			Pike and pickerel			451
Carp	95,375	2,600	4,388	Mackerel		16,502	
Shad		4,813		Crappie			19,436
Glut herring		10,000		Largemouth black bass		1,280	1,898
Whitefish	6,450	146,815		Smallmouth black bass		480	53
Cisco		33,950		Rock bass			95
Chinook salmon	2,310	1,585	20,971	Warmouth bass			34
Chum salmon	250	23,791	403	Sunfish			30,499
Silver salmon	823	4,838	2,091	Pike perch	24,850	141,515	
Sockeye salmon	4,667	6,430	20,182	Yellow perch	53,700	117,685	2,662
Humpback salmon	1,021	5,227	54	White bass			286
Steelhead salmon	2,490	795	4,485	Rio Grande perch			6
Atlantic salmon	755		106	Fresh-water drum			2
Landlocked salmon	35	80	846	Cod	2,055,034	229,709	
Rainbow trout	5,688		7,216	Haddock	220,344	36,416	
Golden trout			10	Pollock		616,713	
Black-spotted trout	6,818	55	9,584	Winter flounder	6,692	3,329,897	
Loch Leven trout	10,896	2,149	2,930	Miscellaneous fishes			18,955
Lake trout	415	30,093	681				
Brook trout	500	2,353	14,047				

[1] 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 735 and 736: 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, and Porto Rico. Index numbers of mineral production are shown in Table 817, p. 850]

No. 737.—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	Metallic	Nonmetallic	Unspecified	Year	Total	Metallic	Nonmetallic	Unspecified
1881–1885	426	191	229	6	1912	2,238	862	1,375	(1)
1886–1890	541	248	292	1	1913	2,434	879	1,554	(1)
1891–1895	592	244	347	1	1914	2,111	687	1,424	(1)
1896–1900	828	366	461	1	1915	2,395	992	1,400	2
1901–1905	1,392	578	813	1	1916	3,508	1,621	1,884	3
1906–1910	1,887	769	1,118	(1)	1917	4,902	2,086	2,900	6
1911–1915	2,220	820	1,399	1	1918	5,541	2,153	3,381	7
1916–1920	5,124	1,796	3,322	5	1919	4,596	1,360	3,233	3
1921–1925	5,155	1,153	3,998	5	1920	6,981	1,762	5,214	5
1926–1930	5,565	1,273	4,284	9	1921	4,139	654	3,482	3
1903	1,495	589	906	1	1922	4,647	987	3,656	4
1904	1,359	501	858	(1)	1923	5,987	1,511	4,472	4
1905	1,624	703	921	(1)	1924	5,306	1,232	4,068	6
1906	1,901	886	1,015	(1)	1925	5,678	1,380	4,291	6
1907	2,070	904	1,165	(1)	1926	6,214	1,403	4,803	8
1908	1,592	551	1,041	(1)	1927	5,530	1,218	4,304	8
1909	1,887	755	1,132	(1)	1928	5,385	1,284	4,092	9
1910	1,988	750	1,238	(1)	1929	5,887	1,476	4,401	10
1911	1,924	681	1,243	(1)	1930	4,810	982	3,819	9

[1] Less than $500,000.
Source: Bureau of Mines, Department of Commerce.

No. 738.—YEARLY AVERAGE PRICES OF NONFERROUS METALS

[Prices are cents per pound, except quicksilver (dollars per flask[1]) and platinum (dollars per ounce)]

Year	Copper, electrolytic (New York)	Lead (New York)	Tin [2] (New York)	Zinc (St. Louis)	Aluminum (New York)	Antimony (New York)	Quicksilver (New York)	Platinum (New York)
1896–1900	[3] 13.41	3.84	19.54	[4] 4.55	37.15	8.204	42.17	[5] 16.66
1901–1905	18.877	4.330	28.194	[6] 5.284	33.80	7.398	43.17	19.56
1906	19.278	5.657	39.819	6.048	35.75	21.730	40.90	23.04
1907	20.004	5.325	38.166	5.812	45.00	14.840	41.50	30.98
1908	13.208	4.200	29.465	4.578	28.70	8.004	44.84	16.32
1909	12.982	4.273	29.725	5.352	23.18	7.466	46.30	24.87
1910	12.738	4.446	34.123	5.370	22.97	7.386	47.06	32.70
1911	12.376	4.420	42.281	5.608	20.34	7.540	46.54	43.12
1912	16.341	4.471	46.096	6.799	22.52	7.760	42.46	45.55
1913	15.269	4.370	44.252	5.504	23.63	7.520	39.54	44.88
1914	13.602	3.862	34.301	5.061	18.60	8.763	48.31	45.14
1915	17.275	4.673	38.590	13.054	34.13	30.280	87.01	47.13
1916	27.202	6.858	43.480	12.634	60.73	25.370	126.49	83.40
1917	27.180	8.787	61.802	8.730	51.25	20.690	106.30	102.82
1918	[7] 24.628	7.413	[8]	7.890	33.60	12.581	123.47	105.95
1919	18.691	5.759	63.328	6.988	32.14	8.190	92.15	114.61
1920	17.456	7.957	49.101	7.671	30.61	8.485	81.12	110.90
1921	12.502	4.545	29.916	4.655	21.21	4.957	45.46	75.03
1922	13.382	5.734	32.554	5.716	18.68	5.471	58.95	97.62
1923	14.421	7.267	42.554	6.607	25.41	7.897	66.50	116.54
1924	13.024	8.097	50.176	6.344	27.03	10.836	69.76	118.82
1925	14.042	9.020	57.893	7.322	27.19	17.494	83.13	119.09
1926	13.795	8,417	65.285	7.337	26.99	15.988	91.90	113.27
1927	12.920	6.759	64.353	6.242	25.41	12.393	118.16	84.64
1928	14.670	6.305	50.427	6.027	23.90	10.305	123.51	78.58
1929	18.107	6.833	45.155	6.512	23.90	8.956	122.14	67.66
1930	12.982	5.517	31.694	4.556	23.39	7.667	115.01	45.36

[1] Flasks of 75 pounds prior to 1928; 76 thereafter.
[2] 99 per cent tin, 1896 to 1919; Straits tin, thereafter.
[3] Prices 1895 to 1898 are for Lake copper.
[4] Data are for New York zinc.
[5] Average for 1899 and 1900 only.
[6] Average, 1903–1905; average for New York zinc, 1901–1905, 5.058 cents.
[7] Average of 11 months.
[8] No average computed.

Sources: Review Number and Year Book, Engineering and Mining Journal-Press, except aluminum beginning 1909, which is from the American Metal Market.

No. 739.—MINES AND QUARRIES, PRODUCING AND NONPRODUCING: PRINCIPAL STATISTICS, 1919

NOTE.—Data relating to mines and quarries are not yet available for 1929

	Total	Continental United States	Alaska	Hawaii	Porto Rico
Number of enterprises	22,361	21,997	346	5	13
Number of mines and quarries	14,802	14,417	367	5	13
Number of petroleum and natural gas wells	257,681	257,673	8		
Number of natural-gas gasoline plants	1,115	1,115			
Persons engaged, total	1,088,444	1,084,796	3,267	155	226
Proprietors and firm members, total	22,769	22,155	593	4	17
Salaried employees	75,688	75,457	199	6	26
Wage earners (average number)	980,987	987,184	2,475	145	183
Power used (aggregate horsepower)	6,816,814	6,786,475	29,979	326	35
Capital	$7,225,446,992	$7,108,623,496	$116,626,441	$112,882	$84,173
Principal expenses	2,556,682,424	2,545,925,350	10,493,020	171,850	92,204
Salaries	151,820,643	151,272,451	533,076	5,533	9,583
Wages	1,309,555,597	1,304,409,342	5,010,611	89,365	56,279
Supplies and materials	531,688,470	528,853,639	2,789,755	34,423	10,653
Cost of ore, coal, and natural gas purchased as material or for resale	35,905,352	35,905,352			
Fuel and purchased power	124,610,053	123,509,588	1,080,348	14,560	5,557
Royalties and rents	176,478,995	176,129,858	314,086	26,282	8,789
Taxes	141,878,154	141,567,734	307,390	1,687	1,343
Contract work	82,696,372	82,239,008	457,774		
Value of products	3,174,507,462	3,158,463,966	15,634,801	250,538	158,157

Source: Bureau of the Census, Department of Commerce.

No. 740.—PRODUCING MINES AND QUARRIES: PRINCIPAL STATISTICS, CONTINENTAL UNITED STATES

	1889	1902	1909	1919	Per cent of increase[1] 1909–1919
Number of enterprises	[2]	46,858	21,268	21,280	0.1
Number of mines and quarries	22,084	17,039	18,164	13,844	−23.8
Number of petroleum and natural-gas wells	37,410	123,200	166,320	257,673	54.9
Number of natural-gas gasoline plants				1,115	
Persons engaged			1,041,662	1,077,675	3.5
Proprietors and firm members, total	[2]	[2]	20,922	21,918	−26.7
Number performing manual labor	[2]	[2]	3,861	5,245	−40.8
Salaried employees	6,541	38,128	44,127	74,197	68.1
Wage earners (average number)	536,043	581,728	967,633	981,560	1.4
Wage earners, Dec. 15, or nearest representative day, total	[3] 536,043	[3] 581,728	1,065,283	1,088,189	2.2
Above ground	244,127	221,505	366,962	382,766	4.3
Below ground	291,916	360,223	698,321	705,423	1.0
Power used (aggregate horsepower)	[4]	2,867,562	4,608,253	6,723,786	45.9
Capital	$1,310,535,318	[2]	$3,380,525,841	$6,955,406,831	105.8
Principal expenses:					
Salaries	5,520,600	$39,020,552	53,393,551	149,328,985	179.7
Wages	222,041,887	369,959,960	586,774,079	1,295,936,226	103.8
Supplies and materials	86,075,925	[5]123,814,967	173,411,438	519,593,676	199.6
Cost of ore, coal, and natural gas purchased as material or for resale			29,318,310	35,905,352	22.5
Fuel and purchased power	[4]	[4]	45,136,550	122,105,930	170.5
Royalties and rents	[4]	34,530,713	63,973,585	175,293,984	174.0
Taxes	[4]	[4]	17,796,763	140,099,626	692.3
Contract work	[4]	20,677,938	28,887,898	79,380,177	174.8
Value of products	438,111,548	796,826,417	1,238,410,322	3,158,463,966	155.0

[1] A minus sign (−) denotes decrease.
[2] Not reported.
[3] Average number.
[4] Comparable figures not available.
[5] Includes cost of fuel.

Source: Bureau of the Census, Department of Commerce.

No. 741.—PRODUCING MINES AND QUARRIES: SIZE OF ENTERPRISES, CONTINENTAL UNITED STATES, 1919

Industry and value of products per enterprise	Number of enterprises	Value of products		Industry and wage earners per enterprise	Enterprises		Wage earners	
		Amount	Per cent		Number	Per cent	Average number	Per cent
All industries	21,280	$8,158,463,966	100.0	**All industries**	21,280	100.0	981,560	100.0
Less than $5,000	6,586	16,228,604	0.5	No wage earners	3,722	17.5		
$5,000 to $20,000	5,539	58,745,473	1.9	1 to 5	7,912	37.2	16,761	1.7
$20,000 to $100,000	4,990	237,600,990	7.5	6 to 20	3,948	18.6	44,506	4.5
$100,000 to $500,000	3,005	686,788,422	21.7	21 to 50	2,309	10.9	76,040	7.7
$500,000 to $1,000,000	684	472,131,630	14.9	51 to 100	1,372	6.4	98,621	10.0
$1,000,000 to $5,000,000	392	754,160,505	23.9	101 to 500	1,743	8.2	377,339	38.4
$5,000,000 and over	84	933,808,246	29.6	501 to 1,000	182	0.9	125,278	12.8
				Over 1,000	92	0.4	243,015	24.8
Anthracite coal	254	364,084,142	100.0	**Anthracite coal**	254	100.0	147,372	100.0
Less than $5,000	37	39,977	(1)	No wage earners	2	0.8		
$5,000 to $20,000	38	440,045	0.1	1 to 5	62	24.4	139	0.1
$20,000 to $100,000	43	1,843,631	0.5	6 to 20	39	15.4	469	0.3
$100,000 to $500,000	39	10,076,964	2.8	21 to 50	20	7.9	629	0.4
$500,000 to $1,000,000	32	24,276,649	6.7	51 to 100	13	5.1	981	0.7
$1,000,000 to $5,000,000	48	83,086,309	22.8	101 to 500	63	24.8	18,240	12.4
$5,000,000 and over	17	244,270,547	67.1	501 to 1,000	33	13.0	21,804	14.8
				Over 1,000	22	8.7	105,110	71.3
Bituminous coal	6,636	1,145,977,565	100.0	**Bituminous coal**	6,636	100.0	545,788	100.0
Less than $5,000	818	2,711,023	0.2	No wage earners	62	0.9		
$5,000 to $20,000	1,618	17,614,491	1.5	1 to 5	1,512	22.8	4,337	0.8
$20,000 to $100,000	2,006	100,379,035	8.8	6 to 20	1,549	23.3	18,074	3.3
$100,000 to $500,000	1,651	386,075,398	33.7	21 to 50	1,238	18.7	41,009	7.5
$500,000 to $1,000,000	377	257,196,333	22.4	51 to 100	888	13.4	64,355	11.8
$1,000,000 to $5,000,000	156	289,392,384	25.3	101 to 500	1,241	18.7	259,288	47.5
$5,000,000 and over	10	92,608,301	8.1	501 to 1,000	101	1.5	68,737	12.6
				Over 1,000	45	0.7	89,998	16.5
Petroleum and natural gas.	9,814	931,793,423	100.0	**Petroleum and natural gas.**	9,814	100.0	93,205	100.0
Less than $5,000	4,348	9,531,235	1.0	No wage earners	3,292	33.5		
$5,000 to $20,000	2,797	28,919,564	3.1	1 to 5	4,925	50.2	8,352	9.5
$20,000 to $100,000	1,696	75,785,417	8.1	6 to 20	1,634	10.5	11,036	11.8
$100,000 to $500,000	684	150,748,376	16.2	21 to 50	296	3.0	9,874	10.6
$500,000 to $1,000,000	156	109,951,280	11.8	51 to 100	133	1.4	9,592	10.3
$1,000,000 to $5,000,000	96	204,187,367	21.9	101 to 500	102	1.0	21,978	23.6
$5,000,000 and over	37	352,670,184	37.8	501 to 1,000	24	0.2	17,358	18.6
				Over 1,000	8	0.1	14,515	15.6
Iron ore	290	218,217,905	100.0	**Iron ore**	290	100.0	45,741	100.0
Less than $5,000	15	36,040	(1)	No wage earners	5	1.7		
$5,000 to $20,000	29	392,775	0.2	1 to 5	21	7.2	63	0.1
$20,000 to $100,000	69	3,774,321	1.7	6 to 20	43	14.8	574	1.3
$100,000 to $500,000	98	26,543,784	12.1	21 to 50	57	10.7	2,180	4.8
$500,000 to $1,000,000	41	28,239,920	12.9	51 to 100	54	18.6	3,822	8.4
$1,000,000 to $5,000,000	35	63,674,560	29.2	101 to 500	102	35.2	31,032	67.8
$5,000,000 and over	3	95,646,505	43.8	501 to 1,000	7	2.4	5,535	12.5
				Over 1,000	1	0.3	2,535	5.1

[1] Less than one-tenth of 1 per cent.

No. 742.—MINES AND QUARRIES: HOURS OF LABOR IN CONTINENTAL UNITED STATES, 1919

Industry	Total wage earners	Wage earners in mines where the prevailing hours of labor per week were—					
		35 and under	36 to 43	44 to 53	54 to 62	63 to 71	72 to 84
All industries	981,560	17,755	19,856	721,899	182,126	26,841	13,083
Coal:							
Anthracite	147,372	----------	315	145,787	807	442	21
Bituminous	545,798	15,978	17,163	486,574	25,222	1,841	20
Petroleum and natural gas	93,205	1,295	327	13,227	44,068	21,726	12,562
Iron ore	45,741	11	219	20,311	24,637	563	----------
Copper	43,717	----------	7	21,150	21,166	1,304	----------
Limestone	22,069	57	24	3,774	17,934	280	----------
Lead and zinc	21,884	115	----------	15,082	6,684	----------	3
Gold and silver; lode mines	15,436	----------	3	3,595	11,580	251	1
Gold, placer mines	1,380	----------	----------	62	1,243	72	3
Granite	8,049	43	1,195	4,829	1,948	34	----------
Clay	5,453	27	33	2,351	3,033	4	5
Phosphate rock	4,373	5	30	309	3,683	----------	346
Sandstone	4,287	----------	8	483	3,688	108	----------
Slate	3,513	----------	335	963	2,170	45	----------
Basalt	3,336	20	3	728	2,585	----------	----------
Gypsum	2,191	----------	1	830	1,317	43	----------
Marble	1,732	----------	----------	50	1,667	15	----------
Sulphur	1,129	----------	----------	----------	1,129	----------	----------
All other	10,895	204	193	2,794	7,559	23	122

Source of Tables 741 and 742: Bureau of the Census, Department of Commerce.

No. 743.—PRODUCING MINES AND QUARRIES: SUMMARY BY INDUSTRIES, CONTINENTAL UNITED STATES

Industry	Number of enterprises [1]		Wage earners (average number)		Power used (aggregate horsepower)		Wages		Value of products	
	1909	1919	1909	1919	1909	1919	1909	1919	1909	1919
							Expressed in thousands of dollars			
All industries [2]	19,915	21,280	867,633	981,560	4,608,253	8,723,786	586,774	1,295,936	1,238,410	3,158,484
FUELS										
Coal:										
Anthracite	192	254	169,367	147,372	676,753	899,783	92,318	210,289	149,180	364,084
Bituminous	3,503	6,636	511,723	545,798	1,227,401	2,155,412	294,196	682,601	427,962	1,145,978
Petroleum and natural gas	7,793	9,814	36,744	93,205	1,221,969	1,821,342	27,092	134,521	185,417	931,793
METALS										
Iron ore	176	290	47,246	45,741	346,534	370,869	29,731	75,713	106,947	218,218
Copper	161	195	51,643	43,717	376,464	523,591	49,383	66,390	134,617	181,258
Gold and silver:										
Lode mines	1,604	740	29,423	15,436	200,906	149,680	30,803	23,818	83,886	58,632
Placer mines	678	112	3,084	1,380	27,278	35,632	2,670	1,914	10,237	9,369
Lead and zinc	977	432	16,807	21,884	110,559	229,541	10,478	30,708	31,363	75,579
Manganese	5	35	60	909	215	5,800	12	1,086	31	2,188
Quicksilver	12	26	544	748	784	2,607	408	828	868	1,803
Rare metals	26	22	531	633	3,237	3,544	(3)	748	9,688	1,726
STONE										
Limestone	1,665	895	30,289	22,069	125,024	213,717	14,082	23,926	29,832	52,944
Granite	707	358	18,744	8,049	61,095	55,674	11,112	8,588	18,998	18,279
Sandstone	1,158	255	9,812	4,287	36,556	33,869	4,761	4,449	9,291	10,085
Basalt	196	163	5,256	3,336	29,211	37,307	2,539	3,991	5,578	9,658
Slate	185	101	8,803	3,513	29,777	20,613	4,089	3,128	6,054	5,721
Marble	77	48	6,166	1,732	21,779	15,628	3,079	1,452	6,239	4,398
MISCELLANEOUS										
Abrasive materials	49	34	403	317	1,344	1,748	(3)	322	----------	722
Asbestos	5	10	54	146	380	420	31	92	65	250
Asphalt	12	9	205	324	828	648	129	295	466	750
Barytes	23	89	240	919	262	3,029	90	709	225	1,592
Bauxite	10	10	503	738	1,565	2,507	198	942	671	2,190
Clay	261	345	3,262	5,453	8,868	21,243	1,362	5,367	2,946	10,086
Feldspar	22	30	247	349	993	1,782	107	264	271	584
Fluorspar	13	54	290	1,124	1,179	7,138	168	1,196	289	3,335
Fuller's earth	16	9	327	324	1,739	2,538	119	541	319	2,019
Graphite	19	21	294	419	2,647	6,410	160	342	344	869
Gypsum	78	47	3,462	2,191	17,685	15,032	1,821	2,478	5,813	6,806
Magnesite	6	11	50	448	126	2,540	32	652	68	2,177
Mica	73	65	272	448	463	803	125	288	207	605
Millstones	14	11	51	37	----------	220	17	48	34	61
Mineral pigments	23	23	151	185	849	1,630	44	174	151	480
Phosphate rock	51	48	7,873	4,373	50,526	49,639	3,216	3,901	10,781	10,300
Pyrite	11	17	1,086	1,172	5,758	7,338	408	1,385	677	2,409
Silica	14	24	158	166	1,219	2,032	82	166	231	372
Sulphur	4	4	366	1,129	3,114	15,291	325	1,682	4,432	17,938
Talc and soapstone	39	28	1,256	958	9,433	7,053	504	835	1,175	2,302

[1] Operators, not enterprises, in 1909.

[2] The totals for all industries include, besides those specified, statistics for the chromite industry in 1919 and for the borax, chromite, grindstone, marl, monazite and zircon, peat, and precious stones industries in 1909, for which comparable figures could not be given. The value of products of these industries did not exceed one-tenth of 1 per cent of the total for all industries in either year.

[3] Figures not available.

Source: Bureau of the Census, Department of Commerce.

No. 744.—PRODUCING MINES AND QUARRIES: SUMMARY BY STATES

Division and State	Number of enterprises [1]		Wage earners (average number)		Power used (aggregate horsepower)		Wages		Value of products	
	1909	1919 [2]	1909	1919	1909	1919	1909	1919	1909	1919
							Expressed in thousands of dollars			
Continental United States	[3] 19,915	21,230	967,633	981,560	4,608,253	6,723,788	586,774	1,295,936	1,238,410	3,158,464
New England	510	302	17,048	7,213	61,259	62,750	9,814	8,033	17,328	18,723
Maine	97	50	2,144	979	8,141	6,277	1,332	1,052	2,056	1,823
New Hampshire	45	30	1,418	682	3,771	4,336	926	826	1,309	1,568
Vermont	137	93	8,145	2,936	25,668	28,119	4,449	3,042	8,221	8,555
Massachusetts	139	74	3,291	1,704	15,031	12,493	1,967	2,069	3,408	4,176
Rhode Island	21	14	665	369	2,350	3,000	410	400	808	952
Connecticut	71	41	1,385	543	6,298	8,520	730	647	1,376	1,649
Middle Atlantic	6,333	6,604	376,633	334,175	1,738,613	2,124,662	204,992	458,109	370,742	853,891
New York	1,351	700	9,305	6,202	101,759	91,339	4,717	7,497	13,335	25,131
New Jersey	131	97	6,315	4,576	18,048	33,901	2,801	5,393	8,347	9,309
Pennsylvania	4,851	5,807	361,013	323,397	1,618,806	1,999,422	197,474	445,219	349,060	819,451
East North Central	4,152	3,772	190,468	190,011	913,857	1,150,153	118,673	237,638	237,533	490,482
Ohio	1,876	2,283	50,567	49,298	294,763	337,611	26,769	58,110	63,767	134,518
Indiana	1,010	503	23,936	25,751	95,039	129,633	14,783	30,193	21,934	52,840
Illinois	915	772	72,986	79,123	225,330	318,231	46,379	94,179	76,659	178,673
Michigan	83	122	30,169	31,202	273,861	337,882	27,661	50,406	67,714	103,870
Wisconsin	268	92	4,710	3,547	24,864	26,760	3,081	4,750	7,459	10,581
West North Central	2,300	1,726	75,196	62,253	370,390	426,242	50,586	84,267	130,252	280,111
Minnesota	153	135	16,586	17,265	151,834	144,199	11,907	29,383	58,665	130,309
Iowa	373	198	16,480	11,274	23,453	32,171	10,870	12,466	13,878	18,474
Missouri	1,021	468	23,429	14,857	109,672	100,160	14,394	16,777	31,667	33,306
North Dakota	53	79	562	774	2,025	2,037	364	1,029	665	1,927
South Dakota	39	23	3,456	1,755	15,648	11,844	3,225	2,497	6,432	5,314
Nebraska	18	9	349	162	815	1,847	179	166	322	293
Kansas	643	814	14,343	16,136	66,943	133,984	9,636	21,949	18,723	90,338
South Atlantic	1,358	2,281	109,210	129,695	536,648	849,169	49,886	149,268	105,716	352,059
Delaware	9	7	493	116	1,480	660	218	136	516	244
Maryland	126	126	7,190	5,628	18,118	18,660	3,339	6,152	5,782	9,699
Virginia	150	202	15,257	14,547	34,630	57,880	5,230	16,108	8,796	29,303
West Virginia	798	1,714	73,410	100,812	416,282	704,279	35,981	119,578	76,288	295,607
North Carolina	118	102	2,215	1,890	6,002	5,039	863	1,480	1,359	2,737
South Carolina	29	20	1,814	933	7,012	4,656	626	680	1,253	1,351
Georgia	92	74	3,383	2,307	10,698	13,026	1,278	2,017	2,875	4,082
Florida	36	36	5,448	3,372	42,366	44,969	2,351	3,108	8,847	8,976
East South Central	830	1,405	82,908	90,612	179,650	351,353	29,444	98,768	49,143	181,645
Kentucky	437	938	18,297	43,563	53,203	148,893	7,827	49,551	12,100	98,487
Tennessee	216	203	16,338	14,470	34,523	56,685	7,359	12,987	12,692	23,292
Alabama	177	264	28,271	32,579	91,924	145,775	14,258	36,230	24,351	59,866
West South Central	1,229	2,821	23,898	60,938	149,602	884,736	15,672	88,445	47,551	490,727
Arkansas	96	126	4,935	3,630	14,080	21,365	3,026	4,573	4,604	8,406
Louisiana-Mississippi [4]	33	137	926	5,228	8,445	80,135	873	7,505	6,547	40,016
Oklahoma	864	1,934	11,658	33,914	95,074	448,173	7,775	46,809	25,638	281,928
Texas	236	624	6,379	18,164	32,003	129,063	3,998	29,558	10,742	160,378
Mountain	1,972	1,506	83,993	81,519	467,184	716,949	82,081	131,192	205,054	321,826
Montana	373	259	18,846	16,129	174,389	143,718	21,361	25,724	54,992	49,924
Idaho	174	82	3,246	2,455	26,278	31,239	4,046	4,202	8,649	11,840
Wyoming	66	106	7,742	9,699	30,338	62,757	6,267	14,676	10,572	41,029
Colorado	672	477	21,483	16,790	93,777	110,351	18,463	25,405	45,980	51,217
New Mexico	98	85	5,107	7,100	16,042	59,876	3,529	10,494	5,588	18,873
Arizona	135	155	12,838	15,268	47,272	166,091	13,503	26,193	34,218	88,478
Utah	188	141	10,089	9,847	47,226	86,131	8,987	17,197	22,083	41,511
Nevada	266	203	4,642	4,231	26,862	50,786	5,925	7,401	23,272	18,054
Pacific	1,538	858	28,281	25,134	191,050	357,675	25,646	40,207	75,111	178,984
Washington	93	83	6,904	5,050	20,742	38,198	5,891	7,466	10,538	13,329
Oregon	116	50	860	740	8,070	6,264	705	993	1,191	1,885
California	1,329	725	20,517	19,344	162,238	313,213	19,050	31,748	63,382	163,770

[1] Operators, not enterprises, in 1909.
[2] The total for the United States includes, besides the States specified, statistics for the District of Columbia for which no statistics were reported for 1909.
[3] Exclusive of duplication, 307 operators having reported in two or more States.
[4] For 1909 statistics are for Louisiana only; nothing reported for Mississippi.

Source: Bureau of the Census, Department of Commerce.

No. 745.—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 1930 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	1928	1929	1930	1915	1920	1925	1928	1929	1930
METALLIC												
Aluminum, 1,000 pounds		138,000	140,000	210,000	225,000	229,035	16,280	41,375	36,430	47,899	51,864	50,961
Antimonial lead [1], short tons	23,224	12,535	19,667	33,058	25,669	13,711	3,666	1,963	3,786	3,978	3,267	1,393
Antimony [2], do	5,364	2,785	2,624	3,432	3,052	1,685	[3] 2,374	[3] 473	[3] 918	[3] 707	[3] 546	[3] 258
Bauxite, long tons	297,041	521,308	316,540	375,426	365,777	330,612	1,515	3,247	1,988	2,274	2,266	1,928
Cadmium, pounds	91,415	129,283	502,824	1,875,896	2,481,427	2,777,762	108	151	277	1,144	2,010	1,778
Chromite, long tons	3,281	2,502	108	660	269	80	37	45	2	15	4	2
Copper, [3] sales value, 1,000 pounds	1,388,010	1,209,061	1,674,870	1,825,900	2,002,863	1,894,389	242,902	222,467	237,832	262,930	352,504	181,271
Ferro-alloys, long tons	388,644	612,808	616,222	794,695	829,324	650,240	17,450	77,519	53,048	66,578	75,506	51,900
Gold, 1,000 troy ounces	4,888	2,476	2,412	2,233	2,208	2,286	101,036	51,187	49,860	46,165	45,651	47,248
Iron:												
Ore [4], 1,000 long tons	55,493	69,281	63,925	63,433	75,603	55,201	[4] 101,289	[4] 285,006	[4] 160,797	[4] 155,789	[4] 197,149	[4] 145,619
Pig, do	30,384	35,710	36,815	38,304	41,549	29,905	401,410	1,140,904	739,316	661,351	731,858	512,165
Lead (refined) [3] sales value, short tons	507,026	476,849	654,921	626,202	672,498	573,740	47,660	76,296	113,956	72,639	84,735	57,374
Manganese ore (35 per cent or more Mn.), long tons	9,613	94,420	98,324	46,860	60,379	67,035	113	2,396	1,858	1,215	1,612	1,437
Manganiferous ore (5 to 35 per cent Mn.) [5], long tons	195,735	767,664	1,448,054	1,177,632	1,188,258	785,390	817	2,438	3,752	3,053	3,274	2,402
Mercury, metal, flasks (76 pounds net)	20,756	13,216	9,053	17,820	28,682	21,553	1,805	1,067	763	2,207	2,893	2,479
Mercury ore, short tons	159,000	109,000	65,000	[6]	[6]	[6]	[6]	[6]	[6]	[6]	[6]	[6]
Nickel (value at New York City), do	822	365	272	522	340	308	538	293	170	292	297	214
Ores (crude), tailings, etc.:												
Copper, 1,000 short tons	43,404	36,765	53,262	62,125	68,422	[6]	[6]	[6]	[6]	[6]	[6]	[6]
Copper-lead and copper-lead zinc, do	11	27	229	351	259	[6]	[6]	[6]	[6]	[6]	[6]	[6]
Dry and siliceous (gold and silver), do	12,687	8,590	8,995	8,095	7,671	[6]	[6]	[6]	[6]	[6]	[6]	[6]
Lead, do	7,497	7,200	8,560	8,048	8,165	[6]	[6]	[6]	[6]	[6]	[6]	[6]
Lead-zinc, do	18,176	12,383	17,741	13,379	14,469	[6]	[6]	[6]	[6]	[6]	[6]	[6]
Zinc, do		2,651	3,411	5,855	7,193	[6]	[6]	[6]	[6]	[6]	[6]	[6]
Platinum and allied metals (value at New York City), troy ounces	8,665	41,544	49,643	59,039	47,977	43,502	479	4,698	5,662	4,693	3,121	2,049
Silver, 1,000 troy ounces	74,961	55,362	66,155	58,463	61,328	50,748	37,397	60,802	45,912	34,201	32,688	19,538
Tin (metallic equivalent), short tons	102	22	14	47	39	17	79	22	16	46	36	11
Titanium ore (ilmenite), do			5,566	[7]	[7]	[7]			89	[7]	[7]	[7]
Titanium ore (rutile), do	250	277	46	[7]	[7]	[7]	28	[7]	11	[7]	[7]	[7]
Tungsten ore (60 per cent concentrate), do	2,332	216	1,190	1,208	830	702	4,100	102	756	754	654	509
Uranium and vanadium ores, do		35,076	13,070	[7]	[7]	[7]	694	2,401	331	[7]	[7]	[7]
Zinc, [3] sales value, do	458,135	450,045	555,631	591,525	612,136	489,361	113,617	72,907	84,456	72,166	80,802	46,979
Total metallic products (approximate)							981,730	1,762,350	1,380,280	1,284,580	1,475,990	982,550

NONMETALLIC												
Arsenious oxide	short tons	5,498	11,502	12,317	11,767	14,546	17,425	302	2,021	1,199	735	884	1,008
Asbestos	do	1,731	1,648	1,258	2,239	3,155	4,242	77	678	52	351	351	289
Asphalt:													
Native	do	740,254	898,993	584,850	807,360	804,027	702,777	5,242	13,199	4,148	5,175	5,470	4,463
Oil	do			1,206,700	1,930,536	2,332,973	2,273,546			[4]15,306	[4]22,066	[4]24,136	[4]21,570
Barite (crude)	do	108,547	228,113	228,063	269,544	277,269	234,932	381	2,142	1,703	1,755	1,851	1,538
Borates	do	67,003	120,320	113,700	131,000	169,870	177,360	1,677	2,173	3,086	4,000	4,515	5,352
Bromine	1,000 pounds	856	1,161	1,566	2,164	6,415	8,463	856	745	488	649	1,759	2,110
Calcium-magnesium chloride	short tons	20,535	27,849	67,870	102,090	114,240	116,160	131	539	1,387	1,996	2,097	2,208
Cement	1,000 bbls. (376 lbs. net)	87,085	97,079	159,047	178,052	172,027	160,846	75,155	195,590	281,076	278,883	255,105	231,189
Clay:													
Products								160,080	373,670	[3]423,447	[3]373,551	[3]373,409	(9)
Raw	1,000 short tons	2,363	3,116	4,030	4,026	4,347	3,963	[4]3,972	[4]11,614	[4]12,737	[4]14,201	[4]14,851	[4]12,521
Coal:													
Bituminous [10]	do	442,624	568,667	520,053	500,745	534,989	461,630	502,038	2,129,933	1,060,402	933,774	952,781	812,469
Pennsylvania anthracite	1,000 long tons	79,460	79,998	55,194	67,275	65,918	61,951	184,653	434,252	327,065	393,638	385,643	354,574
Coke [4]	1,000 short tons	41,531	51,345	51,267	52,806	59,834	47,972	[4]105,504	[4]494,246	[4]262,559	[4]252,834	[4]278,905	[4]209,137
Diatomite and tripoli	short tons	35,304	102,155	102,418	[11]34,043	[11]38,011	[11]32,439	167	1,649	1,357	[11]556	[11]546	[11]508
Emery	do	3,063	2,327	769	1,341	924	555	31	22	6	17	11	6
Feldspar (crude)	long tons	93,855	135,551	185,706	210,811	197,609	171,788	489	851	1,316	1,419	1,277	1,067
Fluorspar	short tons	136,941	186,778	113,669	140,490	146,439	95,849	764	4,719	2,052	2,657	2,791	1,747
Fuller's earth	do	47,901	128,487	206,574	287,012	315,983	335,644	489	2,506	2,924	3,896	4,310	4,327
Garnet for abrasive purposes	do	4,301	5,476	8,429	6,617	5,961	5,003	140	434	713	459	435	314
Gems and precious stones								170	265	(12)	(12)	(12)	(12)
Graphite:													
Amorphous	short tons	1,181	4,694	3,536	2,994	3,555	1,941	12	50	40	43	47	21
Crystalline	1,000 pounds	7,074	9,632	2,257	5,233	5,806	(7)	417	576	57	254	264	(9)
Grindstones and pulpstones	short tons		53,484	37,340	33,238	27,736	18,700	648	1,707	1,706	1,509	1,242	771
Gypsum	1,000 short tons	2,448	3,129	5,678	5,102	5,016	3,471	6,597	24,533	47,577	32,036	31,203	27,051
Lime	do	3,023	3,570	4,581	4,458	4,270	3,384	14,424	37,544	42,609	36,450	33,479	24,950
Magnesite (crude)	short tons	30,499	303,767	120,660	127,200	187,660	129,320	274	2,748	1,433	1,099	1,500	1,033
Mica:													
Scrap	do	3,959	5,723	9,695	7,760	6,253	6,732	51	167	174	132	118	109
Sheet	1,000 pounds	554	1,683	1,794	1,682	2,035	1,465	378	547	322	231	286	177
Millstones								53	63	22	43	31	18
Mineral paints:													
Natural pigments [13]	short tons	57,442	(13)	(13)	(13)	(12)	(13)	552	(13)	(12)	(12)	(13)	(13)
Zinc and lead pigments [14]	do	141,383	143,244	190,190	202,363	204,574	147,948	14,962	24,585	28,311	20,018	26,212	18,420
Mineral waters	1,000 gallons	52,114	36,218	(12)	(12)	(12)	(12)	5,139	4,861	(12)	(12)	(12)	(12)
Natural gas	1,000,000 cu. ft.	628,579	798,210	1,188,571	1,568,139	1,917,693	1,979,000	101,312	196,194	265,271	363,726	413,276	412,000
Natural-gas gasoline	1,000 gallons	65,365	384,744	1,127,470	1,814,034	2,233,688	2,172,900	5,151	71,788	120,383	138,944	158,410	126,000
Oilstones, etc	short tons		1,144	970	956	838	651	115	232		228	212	137
Peat	do	42,284	73,204	72,436	(12)	(12)	(12)	289	922		(12)	(12)	(12)
Petroleum	1,000 barrels (42 gals.)	281,104	442,929	763,743	901,474	1,007,323	896,265	179,463	1,360,745	1,284,960	1,054,880	1,260,417	1,046,400
Phosphate rock	1,000 long tons	1,836	4,104	3,482	3,501	3,761	3,926	5,413	25,080	11,546	12,443	13,153	13,997
Potash (K_2O)	short tons	1,090	41,444	25,802	60,370	57,540	56,610	342	7,463	1,204	3,029	2,688	2,986
Pumice	do	27,708	41,838	40,380	57,430	67,013	56,843	63	114	179	279	353	336
Pyrites	long tons	394,124	310,777	170,081	[15]312,815	[15]333,466	[15]347,512	1,675	1,997	650	[15]1,082	[15]1,250	[15]1,029
Salt	1,000 short tons	5,352	6,840	7,398	8,075	8,544	8,054	11,748	29,894	26,162	26,773	27,335	25,009

For footnotes see p. 774.

No. 745.—Mineral Products of the United States: Quantities and Values—Continued

Products	Quantity						Value in thousands of dollars					
	1915	1920	1925	1928	1929	1930	1915	1920	1925	1928	1929	1930
NONMETALLIC—continued												
Sand:												
Glass, 1,000 short tons	1,884	2,166	2,335	2,311	2,220	2,000	1,607	4,749	3,836	3,436	3,788	3,600
Molding, building, etc., and gravel, do	74,719	79,875	169,667	206,808	220,352	188,000	21,515	60,913	103,706	115,772	129,048	111,400
Sand-lime brick, thousands	179,643	189,761	[8] 315,595	[8] 313,553	[5] 269,584	165,329	1,135	2,490	[8] 3,781	[8] 3,655	[8] 2,910	1,743
Silica (quartz), short tons	112,575	68,190	25,444	22,198	20,981	13,156	274	320	205	209	206	121
Slate, do		468,700	724,600	646,360	670,070	463,610	4,959	8,726	12,575	11,472	11,245	7,915
Stone, 1,000 short tons		78,527	115,851	133,370	141,110	127,000	74,595	133,542	174,217	196,821	202,693	178,832
Sulphur, 1,000 long tons	204	1,518	1,858	2,083	2,437	1,990	4,959	30,000	29,000	37,500	43,800	35,800
Sulphuric acid (60° Baumé) from copper and zinc smelters, 1,000 short tons	[16] 905	[16] 1,230	1,007	1,140	1,240	1,188	7,621	13,617	7,513	9,008	9,828	9,544
Talc and soapstone, short tons	186,891	210,635	[17] 182,256	[17] 202,976	[17] 219,783	[17] 179,385	1,892	3,035	[17] 2,012	[17] 2,538	[17] 2,629	[17] 2,108
Total nonmetallic products (approximate)							1,400,484	5,214,170	4,291,100	4,091,620	4,400,380	3,818,950
SUMMARY OF VALUES												
Metallic products							991,730	1,762,350	1,380,280	1,284,580	1,475,990	982,550
Nonmetallic products (exclusive of fuels)							427,867	1,021,260	1,232,420	1,206,658	1,210,353	1,067,500
Mineral fuels							972,617	4,192,910	3,058,680	2,884,962	3,190,527	2,751,450
"Unspecified" (metallic and nonmetallic) products partly estimated							2,430	4,820	6,250	9,000	10,430	8,900
Grand total (approximate)							2,394,644	6,981,340	5,677,630	5,385,200	5,887,300	4,810,400

[1] From both domestic and foreign ores.
[2] Content of antimonial lead. Value excluded from metallic total as the value of the antimony is included in the antimonial lead value. Value for antimony other than that in antimonial lead is included in metallic total. Bureau of Mines not at liberty to publish figures.
[3] Product from domestic ores only.
[4] Value not included in total value, since value of product derived therefrom, or of raw material used, is accounted for under other items.
[5] Including ore used for fluxing. [6] Figures not available. Value of products derived therefrom, or raw materials used, is included elsewhere.
[7] Value included in total value of metallic products. Bureau of Mines not at liberty to publish figures.
[8] Figures obtained through cooperation with Bureau of the Census. [9] Figures not yet available. Estimate of value included in total value of nonmetallic products.
[10] Includes brown coal and lignite and anthracite mined elsewhere than in Pennsylvania.
[11] Tripoli only. Value of diatomite is included in total value of nonmetallic products. Bureau of Mines not at liberty to publish figures.
[12] No canvass. Estimate of value included in total value of nonmetallic products.
[13] Canvass discontinued after 1915. Value of iron ore sold for paint included under "Unspecified."
[14] Sublimed blue lead, sublimed white lead, leaded zinc oxide, and zinc oxide.
[15] Figures include pyrites concentrates from Tennessee and partly desulphurized tailings from zinc operations in Wisconsin; similar output in earlier years was not included.
[16] In 1915 includes 59,189 tons and in 1920, 23,728 tons of stronger acid, not converted to 60° Baumé.
[17] Talc only. Value of soapstone is included in value of nonmetallic products. Bureau of Mines not at liberty to publish figures.

Source: Bureau of Mines, Department of Commerce.

No. 746.—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. For principal mineral products of each State see Table 747

[Values in thousands of dollars]

Division and State	1923	1924	1925	1926	1927	1928	1929
Continental United States	5,158,287	4,658,264	4,965,480	5,485,743	4,888,555	4,722,136	5,164,880
New England	48,030	48,950	48,452	50,707	48,531	49,053	49,101
Maine	7,566	6,035	5,839	5,786	5,476	5,923	6,749
New Hampshire	3,573	3,378	3,465	4,145	3,447	3,816	3,726
Vermont	13,910	14,549	14,409	14,955	14,703	14,649	14,663
Massachusetts	14,781	15,726	16,832	16,787	16,295	16,234	16,031
Rhode Island	1,023	1,133	1,152	1,339	1,311	831	940
Connecticut	7,177	8,129	6,756	7,695	7,299	7,600	7,053
Middle Atlantic	1,387,613	1,182,337	1,045,993	1,244,848	1,122,074	1,060,331	1,074,167
New York	89,975	95,435	102,036	112,016	112,210	108,026	109,361
New Jersey	72,602	75,271	76,761	77,036	73,091	70,865	71,892
Pennsylvania	1,225,036	1,011,631	867,196	1,055,766	936,773	881,490	892,914
East North Central	848,397	727,181	732,417	761,391	660,742	642,488	676,012
Ohio	287,869	249,050	247,507	253,884	226,963	211,041	220,061
Indiana	130,886	112,290	111,834	118,692	107,578	98,584	96,962
Illinois	282,761	235,796	231,059	237,242	180,304	188,099	182,791
Michigan	128,291	114,239	122,212	130,861	124,080	123,826	151,976
Wisconsin	19,090	15,797	19,205	20,712	21,777	20,938	24,222
West North Central	424,258	347,234	398,158	423,120	347,534	348,016	392,950
Minnesota	174,105	107,845	110,253	118,361	102,973	103,275	136,350
Iowa	46,175	40,460	38,420	35,972	33,426	35,499	35,955
Missouri	79,201	81,054	92,518	90,004	75,890	74,981	78,948
North Dakota	3,473	2,735	2,662	2,805	2,870	3,083	3,463
South Dakota	7,372	6,026	7,972	7,595	8,464	9,443	8,914
Nebraska	3,302	3,209	3,359	3,322	3,542	3,455	4,345
Kansas	110,630	105,005	142,944	165,061	120,369	118,280	124,472
South Atlantic	523,884	405,881	443,785	518,412	481,112	440,831	450,973
Delaware	416	512	536	378	493	482	467
Maryland	21,190	18,507	21,558	24,067	20,469	18,413	18,470
District of Columbia	930	814	955	987	1,375	1,031	1,065
Virginia	48,052	37,902	41,038	46,136	41,323	38,770	39,753
West Virginia	412,867	307,314	333,528	395,942	366,943	336,037	346,565
North Carolina	10,021	9,261	9,504	10,993	11,704	11,430	10,964
South Carolina	3,550	3,444	3,508	3,677	4,251	4,046	3,592
Georgia	14,300	14,947	16,504	17,480	16,758	14,740	15,294
Florida	12,558	13,120	16,651	19,752	18,096	15,227	14,804
East South Central	275,067	235,272	249,551	271,668	271,664	243,628	241,344
Kentucky	148,854	120,511	131,371	146,768	152,614	131,970	132,050
Tennessee	41,554	35,355	38,869	39,297	37,875	30,217	40,720
Alabama	82,496	77,316	77,139	83,710	78,641	69,807	65,402
Mississippi	2,163	2,090	2,172	1,883	2,554	2,634	2,573
West South Central	762,415	784,440	1,000,669	1,136,796	1,009,814	967,071	1,116,555
Arkansas	41,954	61,749	87,186	84,486	59,449	45,010	41,325
Louisiana	61,199	56,031	60,504	62,204	51,207	56,810	62,726
Oklahoma	398,811	393,031	501,767	569,519	524,595	486,634	516,685
Texas	260,451	272,729	351,212	420,587	374,563	378,617	495,820
Mountain	494,407	470,270	519,273	526,261	458,780	493,577	579,548
Montana	74,707	70,632	79,261	79,763	68,265	74,752	93,842
Idaho	27,105	27,832	31,611	31,753	29,184	28,589	32,143
Wyoming	77,695	75,494	78,755	78,988	66,167	52,951	51,237
Colorado	61,379	61,488	63,149	65,597	58,855	58,595	55,332
New Mexico	23,701	23,914	25,549	28,514	28,009	30,427	37,128
Arizona	104,940	100,327	114,203	115,048	100,559	116,000	157,960
Utah	86,221	84,357	100,275	98,985	90,388	97,381	115,131
Nevada	28,599	26,226	26,470	27,613	26,753	34,882	36,776
Pacific	403,716	456,399	527,132	551,550	488,284	463,068	584,228
Washington	22,109	21,159	22,382	21,257	21,966	22,120	22,435
Oregon	6,054	7,364	7,827	6,941	6,821	6,687	6,877
California	375,493	428,176	496,923	523,352	459,497	434,261	554,916
Alaska	20,241	17,302	18,286	17,607	14,402	14,024	15,947

Source: Bureau of Mines, Department of Commerce.

No. 747.—PRINCIPAL MINERAL PRODUCTS OF EACH STATE, IN ORDER OF VALUE IN 1929

New England:
Maine—Stone, cement, lime, slate.
New Hampshire—Sand and gravel, stone, clay products, feldspar.
Vermont—Stone, slate, talc, lime.
Massachusetts—Stone, sand and gravel, clay products, lime.
Rhode Island—Stone, sand and gravel, clay products, graphite.
Connecticut—Stone, clay products, sand and gravel, lime.

Middle Atlantic:
New York—Stone, clay products, cement, sand and gravel.
New Jersey—Clay products, zinc, sand and gravel, cement.
Pennsylvania—Coal, cement, clay products, natural gas.

East North Central:
Ohio—Clay products, coal, natural gas, petroleum.
Indiana—Coal, stone, clay products, cement.
Illinois—Coal, clay products, cement, petroleum.
Michigan—Iron ore, copper, cement, stone.
Wisconsin—Stone, iron ore, sand and gravel, clay products.

West North Central:
Minnesota—Iron ore, stone, cement, manganiferous ore.
Iowa—Coal, cement, clay products, gypsum.
Missouri—Lead, clay products, cement, coal.
North Dakota—Coal, clay products, sand and gravel, natural gas.
South Dakota—Gold, cement, stone, sand and gravel.
Nebraska—Sand and gravel, cement, clay products, stone.
Kansas—Petroleum, zinc, natural gas, cement.

South Atlantic:
Delaware—Clay products, stone, sand and gravel.
Maryland—Clay products, coal, cement, sand and gravel.
District of Columbia—Sand and gravel, clay products, sand-lime brick, stone.
Virginia—Coal, stone, clay products, zinc.
West Virginia—Coal, natural gas, clay products, petroleum.
North Carolina—Stone, clay products, copper, sand and gravel.
South Carolina—Stone, clay products, sand and gravel, barite.
Georgia—Stone, clay products, fuller's earth, cement.
Florida—Phosphate rock, stone, fuller's earth, cement.

East South Central:
Kentucky—Coal, petroleum, natural gas, clay products.
Tennessee—Coal, stone, cement, clay products.
Alabama—Coal, iron ore, cement, clay products.
Mississippi—Sand and gravel, clay products, stone, natural gas.

West South Central:
Arkansas—Petroleum, coal, natural gas, natural gasoline.
Louisiana—Natural gas, petroleum, natural gasoline, salt.
Oklahoma—Petroleum, natural gas, natural gasoline, zinc.
Texas—Petroleum, natural gas, sulphur, natural gasoline.

Mountain:
Montana—Copper, zinc, coal, petroleum.
Idaho—Lead, zinc, silver, copper.
Wyoming—Petroleum, coal, natural gas, natural gasoline.
Colorado—Coal, gold, zinc, clay products.
New Mexico—Copper, coal, zinc, petroleum.
Arizona—Copper, gold, silver, lead.
Utah—Copper, lead, coal, silver.
Nevada—Copper, gold, silver, gypsum.

Pacific:
Washington—Coal, cement, clay products, sand and gravel.
Oregon—Stone, cement, sand and gravel, clay products.
California—Petroleum, natural gas, natural gasoline, cement.
Alaska—Gold, copper, coal, silver.

No. 748.—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 per cent or more of manganese has been excluded

Yearly average or year	Production	Shipments	Exports	Imports
1881–1890	10,385			766
1891–1900	17,551			587
1901–1910	41,339		271	1,180
1911–1915	*51,595*	*50,592*	*953*	*1,841*
1916–1920	69,737	70,224	1,143	967
1921–1925	52,429	52,617	677	1,691
1926–1930	64,600	64,952	1,021	2,709
1916	75,168	77,871	1,184	1,326
1917	75,289	75,573	1,132	972
1918	60,958	72,021	1,256	787
1919	60,965	56,373	997	476
1920	67,604	69,281	1,145	1,273
1921	29,491	26,653	440	316
1922	47,129	50,613	602	1,135
1923	69,351	69,811	1,117	2,768
1924	54,267	52,083	595	2,047
1925	61,908	63,925	631	2,191
1926	67,628	69,293	869	2,555
1927	61,741	61,232	899	2,021
1928	62,197	63,433	1,282	2,453
1929	73,028	75,603	1,304	3,139
1930	58,409	55,201	752	2,775

Production	1927	1928	1929	1930
REGION				
Lake Superior [1]	51,540	52,517	62,825	49,383
Birmingham	6,295	6,167	6,282	5,552
All other	3,906	3,513	3,921	74
STATE				
Alabama	6,445	6,308	6,453	5,738
Michigan	15,075	13,677	15,456	13,544
Minnesota	35,461	37,564	45,761	34,518
Missouri	79	95	169	133
New Mexico	215	185	172	173
New Jersey	221	250	281	305
New York	853	*713	822	889
Pennsylvania	1,170	1,024	1,092	905
Utah	223	321	325	279
Wisconsin	1,091	1,285	1,609	1,321
Wyoming	603	491	630	320
All other	305	285	248	133
KIND				
Hematite	[2] 58,506	[3] 59,208	[2,3] 69,840	[2,3] 55,260
Brown ore	[2] 743	817	[2] 776	[2] 720
Magnetite	[3] 2,490	[3] 2,171	[3] 2,401	[3] 2,421
Carbonate	2	2	2	1

[1] Includes only those mines in Wisconsin which are in true Lake Superior district.
[2] Some hematite included with brown ore.
[3] Some hematite included with magnetite.

Source of Tables 747 and 748: Bureau of Mines, Department of Commerce.

No. 749.—ANALYSIS OF PIG IRON AND FERRO-ALLOY PRODUCTION

[In thousands of long tons (2,240 pounds) unless otherwise specified]

	1900	1905	1910	1915	1920	1925	1927	1928	1929	1930
Total pig iron and ferro-alloys	13,789	22,992	27,304	29,916	36,923	36,701	36,568	38,156	42,614	31,752
By States:										
New England	14	10	17	8	10					
New York, New Jersey	468	1,509	2,203	2,105	2,601	2,188	2,775	2,563	3,025	2,211
Pennsylvania	6,366	10,579	11,272	12,791	13,983	12,523	11,830	12,423	14,453	10,305
Maryland	290	332	326	252	524	705	857			
Virginia	491	510	445	251	429	125	99	1,051	1,166	1,088
Alabama	1,184	1,604	1,939	2,049	2,393	2,836	2,783	2,546	2,710	2,395
Ohio	2,471	4,586	5,752	6,913	8,533	8,863	8,502	9,099	9,796	6,895
Illinois	1,363	2,034	2,675	2,447	3,281	3,504	3,589	3,942	4,358	3,345
Indiana, Michigan	164	289	1,250	1,987	2,940	4,120	4,202	4,583	5,086	3,934
Wisconsin, Minnesota	185	351	307	373	711	468	456	339	379	805
Iowa, Colorado, Utah	798	1,182	1,117	741	1,520	505	641	634	638	
All other						762	833	976	1,603	864
By disposition:										
For sale	(1)	(1)	(1)	8,583	10,724	8,901	9,494	8,304	9,635	7,083
For maker's use	(1)	(1)	(1)	21,333	26,202	27,710	27,072	29,852	32,979	24,670
By kinds:										
Basic	1,072	4,105	9,085	13,093	16,738	19,667	19,357	22,124	24,912	18,303
Bessemer	7,979	12,407	11,246	10,523	12,062	9,410	9,105	9,014	9,877	7,315
Foundry (incl. ferrosilicon)	3,376	4,758	5,260	4,644	5,968	5,410	5,783	4,513	4,787	3,960
Malleable	173	635	843	830	1,311	1,554	1,700	1,923	2,313	1,572
Forge	793	728	564	316	318	241	145	88	168	51
Ferromanganese, spiegeleisen, and all other	395	359	306	310	539	409	476	493	557	401
Pig iron and ferro-alloys by fuels:										
Coke [2]	11,728	20,965	26,258	29,535	36,300	36,504	36,401	38,013	42,476	31,656
Anthracite	1,677	1,675	649	85	303					
Charcoal	384	353	397	296	323	196	165	143	138	97
Materials used:										
Iron ore, briquettes, etc	24,131	41,525	51,739	55,137	66,450	65,450	[3] 63,298	[3] 65,352	[3] 73,059	[3] 53,662
Cinder, scale, etc	1,600	(1)	2,300	4,483	4,986	5,017	[3] 6,417	[3] 6,712	[3] 7,434	[3] 6,296
Coke (1,000 tons of 2,000 pounds) [4]	(1)	(1)	(1)	33,329	42,046	39,296	[3] 37,373	[3] 38,363	[3] 42,403	[3] 31,108
Limestone	7,422	11,627	14,528	14,790	17,825	15,154	[3] 14,102	[3] 14,272	[3] 15,603	[3] 11,099
Total number of furnaces	406	424	473	445	452	395	364	334	316	300
Furnaces in blast Dec. 31	232	313	206	310	216	238	178	203	165	97

[1] Not available.
[2] Includes pig iron and ferro-alloys made in electric furnaces.
[3] Materials consumed in manufacture of pig iron only.
[4] Coke and bituminous coal prior to 1926.

Source: American Iron and Steel Institute.

No. 750.—PIG IRON: PRODUCTION (INCLUDING FERRO-ALLOYS), 1810–1906

NOTE.—For later years see Table 751. Tons are of 2,240 pounds

Year	Long tons	Year	Long tons	Year	Long tons	Year	Long tons	Year	Long tons
1810	53,908	1871	1,706,793	1880	3,835,191	1889	7,603,642	1898	11,773,934
1820	20,000	1872	2,548,713	1881	4,144,254	1890	9,202,703	1899	13,320,703
1830	165,000	1873	2,560,963	1882	4,623,323	1891	8,279,870	1900	13,789,242
1840	286,903	1874	2,401,262	1883	4,595,510	1892	9,157,000	1901	15,878,354
1850	563,755	1875	2,023,733	1884	4,097,868	1893	7,124,502	1902	17,821,307
1855	700,159	1876	1,868,961	1885	4,044,526	1894	6,657,388	1903	18,009,252
1860	821,223	1877	2,066,594	1886	5,683,329	1895	9,446,308	1904	16,497,033
1865	831,770	1878	2,301,215	1887	6,417,148	1896	8,623,127	1905	22,992,380
1870	1,665,179	1879	2,741,853	1888	6,489,738	1897	9,652,680	1906	25,307,191

Source: American Iron and Steel Institute.

No. 751.—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. All production figures are for calendar years

Yearly average or year	Pig iron			Steel ingots and castings, production	Year	Pig iron			Steel ingots and castings, production
	Production	Exports of domestic	Imports			Production	Exports of domestic	Imports	
1871–1875	2, 248, 203	7, 412	137, 891	[1] 389, 799	1916	39, 434, 797	607, 236	135, 349	42, 773, 680
1876–1880	2, 562, 763	3, 407	276, 600	803, 479	1917	38, 621, 216	656, 220	76, 786	45, 060, 607
1881–1885	4, 301, 096	5, 311	325, 290	1, 652, 268	1918	39, 054, 644	269, 575	34, 711	44, 462, 432
1886–1890	7, 079, 312	12, 407	229, 970	3, 292, 763	1919	31, 015, 364	321, 261	101, 665	34, 671, 232
1891–1895	8, 133, 013	22, 983	54, 778	4, 675, 736	1920	36, 925, 987	216, 828	185, 944	42, 132, 934
1896–1900	11, 491, 937	224, 268	84, 308	8, 439, 938	1921	16, 688, 126	28, 405	44, 842	19, 783, 797
1901–1905	18, 239, 665	45, 465	314, 765	15, 367, 931	1922	27, 219, 904	33, 332	498, 059	35, 602, 928
1906	25, 307, 191	83, 317	379, 828	23, 398, 136	1923	40, 361, 146	37, 559	474, 723	44, 943, 606
1907	25, 781, 361	73, 703	489, 475	23, 362, 694	1924	31, 405, 790	45, 818	276, 906	37, 931, 939
1908	15, 936, 018	46, 696	92, 202	14, 023, 247	1925	36, 700, 566	39, 907	516, 948	45, 393, 524
1909	25, 795, 471	61, 989	176, 442	23, 955, 021	1926	39, 372, 729	28, 606	514, 288	48, 293, 763
1910	27, 303, 567	127, 385	237, 233	26, 094, 919	1927	36, 565, 645	55, 899	175, 529	44, 935, 185
1911	23, 649, 547	120, 799	148, 459	23, 676, 106	1928	38, 155, 714	96, 743	194, 636	51, 544, 180
1912	29, 726, 937	272, 676	129, 325	31, 251, 303	1929	42, 613, 983	53, 749	223, 680	56, 433, 473
1913	30, 966, 152	277, 648	156, 450	31, 300, 874	1930	31, 752, 169	25, 344	182, 446	40, 699, 483
1914	23, 332, 244	114, 423	139, 683	23, 513, 030					
1915	29, 916, 213	224, 509	89, 836	32, 151, 036					

[1] 1875 only.

No. 752.—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	1928	1929	1930
Rolled products, total	16, 840	21, 621	24, 393	32, 348	33, 387	37, 663	41, 069	29, 513
Rails	3, 376	3, 636	2, 204	2, 604	2, 785	2, 647	2, 722	1, 873
Bessemer	3, 192	1, 884	327	143	10	3	3	2
Open hearth	183	1, 751	1, 775	2, 334	2, 692	2, 580	2, 662	1, 835
Rerolled			102	127	84	64	56	36
Sheets and plates	3, 532	4, 955	6, 078	9, 336	9, 606	11, 006	12, 436	9, 087
Universal			955	1, 250	1, 196	1, 304	1, 425	1, 041
Sheared			1, 923	3, 505	2, 557	2, 609	3, 597	2, 622
Black sheets [1]			1, 837	2, 886	4, 097	4, 962	5, 255	3, 512
Black plates for tinning			1, 093	1, 449	1, 632	1, 791	1, 699	1, 692
Other black-plate specialties			270	247	325	339	461	201
Wire rods	1, 809	2, 242	3, 096	3, 137	2, 845	3, 081	3, 134	2, 349
Structural shapes	1, 861	[2] 2, 267	2, 437	3, 307	3, 604	4, 096	4, 778	3, 512
Merchant bars	3, 594	3, 786	4, 131	6, 130	5, 659	6, 278	6, 471	4, 138
Skelp	1, 436	1, 828	2, 209	3, 220	3, 230	3, 369	3, 517	2, 682
Hoops	446	262	282	333	205	176	204	80
Bands and cotton ties		425	438	389	366	384	385	46
Splice and tie-plate bars			536	576	823	798	925	606
Rolled forging blooms, billets, etc	42	460	651	447	345	554	527	304
Bars for reinforced concrete work		241	353	572	820	952	952	850
Hot-rolled strips and flats for cold rolling	946					2, 162	2, 503	1, 942
Blanks or pierced billets for seamless tubes		1, 519	1, 888	2, 294	2, 908	1, 191	1, 382	1, 248
All other rolled products						968	1, 132	814
Miscellaneous products:								
Tin plate (million pounds)		1, 450	2, 202	3, 080	3, 459	3, 842	4, 068	3, 719
Terneplates (million pounds)		168	163	158	255	278	341	231
Galvanized sheets (million pounds)			1, 582	1, 871	2, 539	3, 041	3, 084	2, 324
Galvanized formed products (million pounds)			112	144	178	172	178	146
Wire nails (thousands of kegs [3])	10, 855	12, 705	14, 583	16, 450	15, 454	14, 234	13, 101	9, 561
Cut nails (thousands of kegs [3])	1, 358	1, 005	775	845	736	620	534	460
Wrought pipe, incl. boiler tubes			1, 920	3, 003	3, 031	2, 924	3, 019	2, 247
Boiler tubes			97	119	63	59	62	31
Seamless steel tubes			140	292	568	1, 079	1, 303	1, 194
Cast-iron pipe (1,000 short tons) [4]			1, 215	887	1, 925	1, 872	1, 651	1, 436
Forgings made by rolling mills		320	524	540	388	625	586	476

[1] Rolled on sheet or jobbing mills.
[2] Small structural forms not included.
[3] Of 100 pounds.
[4] Of 2,000 pounds.

Source of Tables 751 and 752: American Iron and Steel Institute.

No. 753.—PRODUCTION, EXPORTS, AND IMPORTS OF FINISHED ROLLED IRON AND STEEL

NOTE.—In long tons (2,240 pounds). Blank spaces indicate that figures are not available

Yearly average or year	Total production, finished rolled products	Rails			Plates and sheets			Merchant[1] bar production
		Production	Exports	Imports	Production	Exports	Imports	
1876–1880		911,095	4,441	59,851				
1881–1885		1,273,688	3,986	116,972				
1886–1890	[2] 5,278,214	1,710,278	7,275	49,775	[2] 684,914		8,013	
1891–1895	5,472,849	1,264,677	13,650	1,047	755,818	1,510	23,894	
1896–1900	8,102,560	1,881,905	232,518	2,399	1,463,879	30,995	4,771[3]	
1901–1905	13,670,907	2,895,138	225,746	43,207	2,694,625	39,505	6,167	[3] 3,593,601
1906–1910	18,509,490	3,238,486	303,234	3,963	4,054,102	158,591	4,096	3,479,910
1910	21,621,279	3,636,031	353,130	7,861	4,955,484	274,521	6,152	4,026,840
1911	19,039,171	2,822,790	420,874	3,414	4,488,049	372,373	2,453	3,306,103
1912	24,656,841	3,327,915	446,473	3,780	5,875,080	546,521	3,299	3,971,446
1913	24,791,243	3,502,780	460,553	10,408	5,751,037	463,426	2,893	4,277,279
1914	18,370,196	1,945,095	174,580	22,571	4,719,246	280,095	4,310	2,812,102
1915	24,392,924	2,204,203	391,379	78,525	6,077,694	419,004	1,420	4,484,650
1916	32,380,389	2,864,518	540,828	28,299	7,453,980	515,558	1,780	6,691,702
1917	33,067,700	2,944,161	512,669	9,263	8,267,616	851,529	1,748	6,681,141
1918	31,155,754	2,540,892	453,537	8,705	8,799,135	854,136	1,517	6,587,369
1919	25,101,544	2,203,843	652,443	17,008	7,372,814	1,042,697	1,095	4,810,945
1920	32,347,863	2,604,116	594,628	45,684	9,337,680	1,273,558	1,792	6,702,685
1921	14,774,006	2,178,818	321,822	22,048	4,260,574	607,370	1,976	1,702,982
1922	26,452,004	2,171,776	277,090	26,629	7,908,307	439,417	[4] 1,947	4,554,474
1923	33,277,076	2,904,516	267,409	29,706	9,497,717	386,405	[4] 4,572	6,233,663
1924	28,086,435	2,433,332	208,496	43,358	8,087,883	350,540	[4] 6,066	4,937,043
1925	33,386,960	2,785,267	151,690	30,872	9,807,059	386,912	[4] 4,480	6,478,902
1926	35,495,892	3,217,049	187,557	55,212	10,529,056	517,611	[4] 15,616	6,289,665
1927	32,879,031	2,806,486	177,593	15,455	9,627,734	468,511	[4] 19,760	5,686,260
1928	37,662,916	2,647,493	190,925	14,019	11,006,050	522,657	[4] 30,800	7,229,723
1929	41,069,416	2,722,138	148,060	6,236	12,436,312	540,806	[4] 28,461	7,423,496
1930	29,513,007	1,873,233	95,179	8,307	9,067,366	346,853	[4] 28,486	4,938,515

Yearly average or year (calendar year)	Skelp, flue, and pipe production	Wire rods			Structural shapes			All other finished rolled production
		Production	Exports	Imports	Production	Exports	Imports	
1891–1895		633,248		34,804	[5] 429,872			2,475,209
1896–1900		909,819	[6] 16,182	18,087	689,419	[6] 48,877		3,217,538
1901–1905	[3] 1,435,995	1,590,280	16,345	18,390	1,203,791	55,651	[7] 12,886	1,263,396
1906–1910	1,668,674	2,056,732	13,403	15,400	1,936,951	121,086	11,107	2,074,634
1910	1,828,194	2,241,830	22,869	20,374	[8] 2,266,600	146,721	14,897	2,666,010
1911	1,980,673	2,450,453	22,641	15,483	[8] 1,912,367	223,493	5,343	2,078,736
1912	2,446,816	2,653,553	64,978	15,059	2,846,487	288,164	3,120	3,535,544
1913	2,501,964	2,464,807	61,637	16,098	3,004,972	403,264	11,059	3,258,404
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	3,095,907	165,014	5,317	2,437,063	232,139	1,494	3,794,003
1916	2,927,674	3,518,746	158,284	4,130	3,029,964	300,594	1,473	5,903,805
1917	2,674,231	3,137,128	181,941	1,060	3,110,000	294,150	6,216	6,253,413
1918	2,504,011	2,562,300	148,523	7,677	2,849,969	232,729	3,504	5,251,988
1919	2,555,778	2,538,476	113,010	342	2,614,035	360,787	1,154	3,005,952
1920	3,220,289	3,136,907	116,775	5,488	3,306,748	493,633	1,685	4,039,438
1921	1,930,575	1,564,330	18,953	917	1,272,624	297,022	777	1,774,103
1922	2,872,215	2,654,741	40,424	1,735	2,718,768	167,585	7,823	3,511,633
1923	3,734,336	3,075,892	40,868	3,948	3,405,107	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	3,651,381
1925	3,229,768	2,844,656	21,207	7,988	3,604,180	169,252	77,291	4,036,588
1926	3,704,550	2,722,032	19,640	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	4,826,983
1928	3,368,973	3,080,816	38,619	19,298	4,090,143	296,885	163,762	6,232,718
1929	3,517,238	3,134,409	42,250	15,653	4,778,020	399,837	148,223	7,057,803
1930	2,682,046	2,348,600	39,779	8,843	3,512,473	243,840	120,333	5,040,774

[1] Includes concrete reinforcing bars.
[2] Average for years 1887–1890.
[3] 1905 only; data not available for earlier years.
[4] Includes skelp.
[5] Average for years 1892–1895.
[6] Average for period July 1, 1897, to Dec. 31, 1900.
[7] Average for period July 1, 1903, to Dec. 31, 1905.
[8] Small structural forms not included.

Source: American Iron and Steel Institute (exports and imports compiled from Government statistics).

No. 754.—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 tonnages 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	Unit	Quantity in thousands of unit specified			Value in thousands of dollars		
		1925	1927	1929	1925	1927	1929
STEEL WORKS AND ROLLING MILLS							
All products, total value					2,946,068	2,779,840	3,365,789
Unrolled steel, total	Ton [1]	45,119	44,757	58,161			
Ingots—							
For sale and interplant transfer	do	535	437	661	16,360	12,679	17,150
Produced and consumed in works	do	43,576	43,337	54,133			
Direct steel castings—							
For sale and interplant transfer	do	938	888	[2] 1,211	144,415	145,085	[2] 191,398
Produced and consumed in works	do	70	95	[2] 156			
Semifinished rolled products, for sale and interplant transfer, total.	do	11,388	10,307	12,779	405,412	346,051	421,328
Blooms, billets, and slabs, except for forging.	do	6,831	6,162	7,361	243,605	205,908	244,702
Rolled blooms and billets for forging	do	153	113	269	7,283	4,690	10,327
Sheet and tin-plate bars	do	4,351	3,985	5,062	151,756	133,094	162,316
Muck and scrap bar	do	53	47	86	2,768	2,359	3,893
Finished rolled products and forgings, total.	do	32,647	32,154	39,883			
Produced and consumed in works	do	8,145	8,416	9,532			
For sale and interplant transfer	do	24,502	23,738	30,351	1,373,049	1,251,788	1,604,833
Rails	do	2,693	2,703	2,666	114,334	114,505	113,925
Rail joints, fastenings, tie plates, etc.	do	815	893	872	46,724	50,394	47,761
Structural shapes (not fabricated)	do	3,413	3,502	4,469	154,814	148,339	188,898
Concrete reinforcing bars	do	709	783	972	35,078	35,410	42,417
Merchant bars, mill shafting, etc.[3]—							
Steel	do	4,933	4,249	6,226	301,604	240,469	358,601
Iron	do	255	202	186	16,896	13,582	13,284
Bolt and nut rods, spike and chain rods, etc.	do	63	95	121	3,312	4,381	5,683
Wire rods	do	1,105	1,024	1,155	54,713	46,059	49,042
Plates No. 12 and thicker	do	3,862	3,781	5,218	180,668	164,513	228,236
Sheets No. 13 and thinner	do	2,914	2,982	4,040	234,438	227,083	306,936
Skelp	do	1,280	1,241	1,271	54,431	50,604	50,121
Hot-rolled strips for cold rolling [3]	do	1,435	1,265	478	86,048	66,351	21,347
Other strips and cotton ties	do			1,566			75,626
Axles	do	135	119	150	11,387	10,737	12,039
Armor plate and ordnance	do	1	8	10	424	2,613	3,288
Car and locomotive wheels	do	147	155	209	15,345	15,197	19,352
All other rolled and forged products [4]	do	742	736	732	62,833	60,891	68,278
Scrap iron and steel, for sale and interplant transfer.	do	2,219	2,448	2,830	37,627	35,750	42,101
Cinder and scale	do			1,194	969,205	988,487	2,731
All other (including value added to rolled products by further manufacture).	do						1,086,248
WIRE AND WIRE PRODUCTS (ALL METALS)							
All industries, total value					702,039	697,684	914,640
Iron and steel wire:							
Plain wire, total [5]	Ton [6]	2,963	2,865	3,097			
For sale and interplant transfer	do	906	907	1,204	71,842	67,618	88,458
Produced and consumed in works	do	2,057	1,958	1,893			
Galvanized wire: For sale and interplant transfer.	do	249	250	269	17,246	17,035	19,656
Other coated wire: For sale and interplant transfer.	do	42	45	52	5,198	6,308	8,143
Cold-rolled flat wire: For sale and interplant transfer.[7]	do	151	150	29	18,859	18,543	4,255
Copper wire:							
For sale and interplant transfer	Lb	504,429	491,819	544,740	85,507	77,090	118,628
Produced and consumed in works	do	(8)	294,745	407,996			
Drawn on contract or custom basis from rods or bars furnished by others.	do	(8)	(8)	151,761			

For footnotes see p. 781.

No. 754.—Products of Steel Works and Rolling Mills, and of the Wire, Tin-Plate, and Cast-Iron Pipe Industries—Continued

Industry and product	Unit	Quantity in thousands of unit specified			Value in thousands of dollars		
		1925	1927	1929	1925	1927	1929
WIRE AND WIRE PRODUCTS (ALL METALS)—continued							
Brass wire:							
For sale and interplant transfer	Lb.	64,138	60,844	85,101	12,228	11,693	19,575
Produced and consumed in works	do.	(5)	3,086	2,689			
Other metal wire:							
For sale and interplant transfer	do.	45,589	34,117	50,102	13,083	12,009	24,847
Produced and consumed in works	do.	(5)	7,209	2,912			
Fabricated wire products for sale:							
Iron and steel—							
Nails, brads, and spikes	Keg [9]	15,977	14,819	13,601	53,623	48,002	44,935
Tacks [10]	Lb.	7,350	7,135	6,540	809	690	640
Staples	do.	53,427	49,379	58,879	1,853	1,566	2,342
Barbed wire	Ton [6]	218	202	222	16,659	12,973	13,324
Rope or cable, except insulated	do.	(5)	(5)	153	46,684	46,916	46,877
Strand, galvanized	do.	(5)	(5)	49			5,618
Poultry netting	do.	(5)	(5)	47	41,969	40,011	7,536
Woven wire fence, except poultry netting.	do.	(5)	(5)	365			31,041
Fly screening	Lb.	(5)	(5)	64,728	24,139	23,396	9,942
Other wire cloth							6,555
Other woven wire	Ton [6]	(5)	(5)	139			11,786
Automobile skid chains					(11)	(11)	11,491
Bale ties	Lb.	(5)	(5)	148,474	57,753	4,580	5,088
Wire springs						32,187	47,903
Other fabricated iron and steel wire products.		(5)	(5)			41,868	42,872
Nonferrous-wire products—							
Fly screening—							
Copper	Lb.	(5)	(5)	4,993	(5)	(5)	1,768
Other metals	do.	(5)	(5)	10,211	(5)	(5)	3,336
Fourdrinier and cylinder wire cloth.	do.	(5)	(5)	3,108	(5)	(5)	4,765
Other wire cloth—							
Copper	do.	(5)	(5)	1,168	(5)	(5)	588
Other metals	do.	(5)	(5)	1,450	(5)	(5)	683
Copper strand, except insulated	do.	(5)	(5)	92,395	(5)	(5)	18,617
Other fabricated nonferrous wire products, except insulated wire.					(5)	(5)	6,125
Insulated wire and cable					210,617	210,048	307,245
TIN PLATE AND TERNEPLATE							
All products, total value					190,918	193,894	213,084
Tin plate	Lb.	3,480,401	3,560,417	4,031,856	179,382	180,410	194,107
Terneplate	do.	181,436	193,066	345,592	9,229	10,016	15,568
All other products	do.				2,307	3,468	3,409
CAST-IRON PIPE AND FITTINGS							
All industries, total value					(12)	(12)	85,890
Reported with quantity	Ton [6]	(12)	(12)	1,736	(12)	(12)	78,296
Reported without quantity					(12)	(12)	7,594

[1] Of 2,240 pounds.
[2] In addition, 33,550 tons of steel castings, valued at $6,635,760, were produced for sale by establishments classified in other industries; and 46,257 tons were reported as produced and consumed in the same works in further manufacture by establishments in the "Foundry and machine-shop products, not elsewhere classified" industry. Steel castings are also produced and consumed in further manufacture to some extent in other industries, but no data in regard to such production are collected.
[3] Includes a considerable tonnage of cold-rolled steel for 1925, but none for 1927 and 1929.
[4] Includes "nail and tack plate" not shown separately to avoid disclosing data for individual operations.
[5] All iron and steel wire, including that subsequently galvanized, otherwise coated, and cold rolled.
[6] Of 2,000 pounds.
[7] Figures for 1925 and 1927 include all cold-rolled wire; for 1929, only wire cold rolled from drawn wire.
[8] No comparable data.
[9] Of 100 pounds.
[10] Not including value of tacks made from tack plate.
[11] Included in "Other fabricated iron and steel wire products" for years 1925 to 1927.
[12] No strictly comparable figures for earlier years are available.

Source: Bureau of the Census, Department of Commerce.

No. 755.—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			Crucible	Electric	Miscellaneous
			Total	Basic	Acid			
1890	4,277,071	3,688,871	513,232			71,175		3,793
1900	10,188,329	6,684,770	3,398,135	2,545,091	853,044	100,502		4,862
1905	20,023,947	10,941,375	8,971,376	7,815,728	1,155,648	102,233		8,963
1910	26,094,919	9,412,772	16,504,509	15,292,329	1,212,180	122,303	52,141	3,194
1915	32,151,036	8,287,213	23,679,102	22,308,725	1,370,377	113,782	69,412	1,527
1920	42,132,934	8,883,087	32,671,895	31,375,723	1,296,172	72,205	502,152	3,535
1925	45,393,524	6,723,962	38,034,488	37,087,342	947,146	10,562	615,512	
1927	44,935,185	6,191,727	38,068,335	37,144,268	924,067	9,036	666,087	
1928	51,644,180	6,620,195	44,113,956	43,200,483	913,473	7,769	802,260	
1929	56,433,473	7,122,509	48,352,388	47,232,419	1,120,469	6,645	951,431	
1930	40,699,483	5,035,459	35,049,172	34,268,316	780,856	2,253	612,599	

No. 756.—BLAST FURNACES AND STEEL MILLS: CENSUS STATISTICS

NOTE.—The scope of the industry "Steel works and rolling mills" is indicated by Table 755

Year	Number of establishments	Wage earners (average number)	Wages	Value of products [1]	Value added by manufacture [2]	Primary horsepower
			Thousands of dollars			
1879	792	[3] 140,708	[3] 55,451	290,558	105,287	[4]
1889	719	171,181	89,273	478,688	151,415	784,358
1899	668	222,490	120,820	803,968	281,569	1,598,073
1909	654	278,505	187,807	1,377,152	399,013	3,274,400
1914	587	278,072	210,923	1,236,319	380,913	[5] 3,925,869
1919	695	416,748	711,407	3,623,369	1,321,507	[5] 5,399,574
1921	628	254,213	354,357	1,901,431	535,256	[4]
1923	658	424,913	696,761	4,161,938	1,289,910	5,999,941
1925	595	399,914	660,297	3,711,354	1,281,976	6,143,927
1927	602	389,270	645,534	3,488,744	1,219,534	6,781,058
1929 [6]	590	419,196	730,368	4,137,214	1,623,008	7,532,122
Blast furnaces:						
1927	116	27,958	44,258	708,904	129,349	[7]
1929 [6]	104	24,961	41,959	771,425	161,151	[7]
Steel works and rolling mills:						
1927	486	361,312	601,275	2,779,840	1,090,185	[7] 6,781,058
1929 [6]	486	394,235	688,410	3,365,788	1,461,856	[7] 7,532,122

[1] Includes much duplication.
[2] Value of products less cost of materials.
[3] Returns were not secured for number of salaried employees and it is probable that "wages" included amounts paid for salaries, and "wage earners" may have included some salaried employees.
[4] No data.
[5] This total differs slightly from the corresponding one published in previous reports because of the exclusion here and the inclusion in previous reports of data for rented power other than electric.
[6] Preliminary.
[7] Blast furnace data are included with steel works and rolling mills.

No. 757.—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	Quantity	Value	Year	Quantity	Value	Year	Quantity	Value
1890	52		1910	1,538	63,436	1922	1,995	136,334
1895	89		1911	2,188	86,599	1923	2,010	167,247
1900	1,154	42,518	1912	2,948	112,535	1924	1,806	150,494
1901	701	29,050	1913	2,746	108,875	1925	1,763	144,262
1902	372	15,889	1914	1,550	63,409	1926	2,187	174,145
1903	327	14,533	1915	3,533	140,993	1927	2,183	160,609
1904	1,168	35,248	1916	6,101	353,971	1928	2,865	179,881
1905	1,010	33,813	1917	6,439	567,041	1929	3,038	200,203
1906	1,326	52,215	1918	5,375	558,279	1930	1,982	139,039
1907	1,302	60,046	1919	4,400	410,164			
1908	964	43,397	1920	4,935	458,376			
1909	1,244	50,777	1921	2,213	214,830			

Sources: Table 755, American Iron and Steel Institute; Table 756, Bureau of the Census, Department of Commerce; Table 757, Bureau of Foreign and Domestic Commerce, Department of Commerce.

No. 758.—EXPORTS OF HEAVY IRON AND STEEL PRODUCTS

NOTE.—This and Tables 757 and 759 exclude the highly elaborated manufactures of iron and steel

Articles	Quantity in long tons (2,240 pounds)				Value in thousands of dollars			
	1927	1928	1929	1930	1927	1928	1929	1930
Total	2,183,091	2,365,103	3,037,857	1,961,985	160,609	179,381	200,203	139,039
Pig iron, not including ferro-alloys	50,992	84,682	46,357	13,671	1,028	1,367	830	292
Ferromanganese and spiegeleisen	1,641	9,449	1,574	6,180	62	233	59	146
Scrap	239,159	515,139	557,044	368,569	3,765	6,615	7,748	5,562
Ingots, blooms, billets, sheet bars, and skelp	98,613	161,855	173,685	136,916	4,344	6,617	7,007	5,926
Iron bars	3,872	6,229	5,074	1,823	345	492	333	150
Steel bars	111,126	158,475	183,894	81,090	6,938	9,114	10,170	4,689
Alloy steel bars	6,149	14,079	15,743	6,668	917	1,487	1,660	911
Wire rods	16,128	38,617	42,251	39,777	883	1,734	2,012	1,870
Galvanized sheets	152,181	152,280	151,010	93,490	15,498	14,664	14,759	8,798
Plates, iron and steel	130,632	166,269	193,695	98,339	7,024	8,400	10,018	4,858
Black steel sheets	152,525	170,286	173,602	137,918	12,188	13,567	14,307	10,343
Black iron sheets	17,147	16,289	15,855	11,482	1,663	1,634	1,597	1,097
Hoop, band, and strip steel	43,159	58,080	70,864	39,316	3,061	3,979	5,136	2,673
Tin plate, terneplate, etc	253,890	249,642	258,965	215,984	29,062	26,346	28,560	24,202
Structural shapes, plain material	148,176	202,804	288,513	140,415	6,554	8,754	12,684	6,234
Structural materials, fabricated	69,423	92,758	112,090	103,471	5,912	8,112	9,665	9,146
Tanks, complete and knocked down				20,490				2,387
Metal lath	4,660	5,358	5,482	5,578	770	830	816	848
Steel rails	177,586	190,905	146,060	95,227	6,783	6,926	5,332	3,580
Rail fastenings, switches, frogs, etc	34,372	41,995	32,597	19,517	3,155	3,483	3,223	2,134
Boiler tubes and welded pipe	248,473	248,895	278,276	170,189	23,290	23,326	27,622	17,781
Cast-iron pipe and fittings	27,975	33,979	45,919	31,474	3,436	3,350	5,036	3,667
Malleable-iron screwed pipe fittings	10,061	10,034	12,534	10,743	3,086	2,857	3,927	3,413
Barbed-wire and woven-wire fencing	52,393	74,335	64,478	39,118	3,762	5,015	4,445	2,539
Plain wire	35,435	46,177	45,505	26,403	2,843	3,467	3,654	2,069
Wire cloth and screening	2,255	1,884	1,067	1,583	827	626	669	558
Wire rope	4,547	5,367	6,958	4,536	1,942	1,578	1,907	1,254
Insulated wire and cable	491	640	1,076	530	191	217	397	216
Wire, other, and manufactures thereof	9,558	9,812	10,382	7,468	1,894	2,145	2,446	1,677
Wire nails	9,990	14,547	12,987	8,472	763	950	864	536
Nails other than wire, including tacks	8,429	8,892	10,256	5,867	1,656	1,684	1,784	1,056
Horseshoes	563	468	441	180	91	73	69	32
Bolts, nuts, rivets, and washers [1]	12,228	13,278	16,235	10,131	2,190	2,537	3,145	2,093
Car wheels and axles	16,661	17,139	21,459	14,841	1,273	1,309	1,660	1,139
Iron castings	11,724	12,061	10,976	6,613	1,353	1,518	1,573	1,458
Steel castings	7,003	9,710	10,824	9,380	1,808	2,551	2,975	2,280
Forgings	4,868	11,703	12,070	8,467	827	2,308	2,207	1,420

[1] Except track.

No. 759.—IRON AND STEEL: EXPORTS BY DESTINATIONS

NOTE.—All figures in long tons (2,240 pounds). Products covered are those listed in Table 758

Country	1928	1929	1930	Country	1928	1929	1930
Belgium	14,079	2,680	7,960	Brazil	83,900	71,864	37,720
France	9,115	18,104	7,153	Chile	69,875	67,941	81,983
Germany	22,628	21,991	8,325	Colombia	64,843	41,016	24,087
Italy	90,011	111,857	44,750	Ecuador	3,296	3,844	4,895
Netherlands	2,332	3,094	3,082	Peru	26,543	35,674	16,620
Norway	4,378	5,293	6,914	Uruguay	9,038	11,112	20,334
Spain	1,483	13,948	11,335	Venezuela	80,499	67,851	37,624
U. S. S. R. (Russia) in Europe	2,781	14,377	10,892	India and Ceylon	25,509	21,661	24,742
United Kingdom	54,069	66,371	44,878	British Malaya	6,457	8,174	6,073
Canada	1,178,063	1,234,861	820,116	China	92,837	69,240	38,726
Central America	43,852	52,943	35,189	Netherland East Indies	40,726	61,115	41,041
Mexico	83,115	104,913	83,433	Hong Kong	5,515	7,131	7,062
British West Indies	7,651	18,049	12,253	Japan	411,754	426,974	276,286
Cuba	65,205	67,882	41,628	Kwantung	14,021	11,709	9,686
Dominican Republic	6,722	4,887	3,791	Philippine Islands	84,217	103,180	69,740
Netherland West Indies	29,116	17,672	11,109	Australia	19,033	22,101	9,501
Argentina	98,443	94,280	58,618	New Zealand	2,305	5,271	3,069
				British South Africa	7,419	8,131	5,303
				All other	103,672	140,651	56,022

Source of Tables 758 and 759: Bureau of Foreign and Domestic Commerce, Department of Commerce.

No. 760.—IRON AND STEEL: AVERAGE ANNUAL PRICES

[Prices of pig iron, rails, and billets in dollars per long ton (2,240 pounds); other prices in dollars per 100 pounds]

Year	Pig iron				Rails at mills in Pennsylvania [2]	Bessemer steel billets, Pittsburgh	Soft-steel bars, Pittsburgh	Iron bars (best refined), Pittsburgh [3]	Tank plates, Pittsburgh	Beams, Pittsburgh	Composite finished steel
	Bessemer, Pittsburgh	Basic, The Valleys	Southern, No. 2, Cincinnati	Local, No. 2, Chicago [1]							
1891–1895	13.46	-------	11.74	12.80	27.27	20.89	-------	1.46	-------	-------	-------
1896–1900	14.22	-------	12.56	14.30	24.96	21.08	[4] 1.46	1.50	1.61	[4] 1.63	-------
1901	15.93	-------	13.61	15.38	27.33	24.13	1.42	1.80	1.55	1.58	-------
1902	20.67	-------	20.00	20.86	28.00	30.57	1.58	1.94	1.70	1.81	-------
1903	18.98	-------	17.08	19.25	28.00	27.91	1.56	1.77	1.61	1.62	-------
1904	13.76	-------	12.73	14.37	28.00	22.18	1.33	1.48	1.54	1.54	1.71
1905	16.36	15.25	15.57	17.65	28.00	24.03	1.48	1.87	1.58	1.62	1.75
1906	19.54	18.10	18.37	20.43	28.00	27.45	1.51	1.93	1.61	1.70	1.77
1907	22.84	20.87	23.10	24.50	28.00	29.25	1.60	1.94	1.70	1.70	1.92
1908	17.07	15.16	15.54	17.57	28.00	26.31	1.49	1.60	1.64	1.64	1.86
1909	17.41	15.48	16.12	17.49	28.00	24.62	1.33	1.62	1.42	1.42	1.63
1910	17.19	14.76	15.16	17.09	28.00	25.38	1.44	1.65	1.47	1.45	1.66
1911	15.71	13.07	13.67	14.53	28.00	21.46	1.26	1.41	1.31	1.32	1.54
1912	15.94	13.92	14.93	15.32	28.00	22.38	1.29	1.44	1.33	1.32	1.53
1913	17.13	14.71	14.90	15.85	28.00	25.79	1.55	1.69	1.50	1.50	1.66
1914	14.89	12.87	13.41	13.60	30.00	20.09	1.15	1.32	1.14	1.15	1.43
1915	15.78	13.74	13.57	14.01	30.00	22.44	1.31	1.48	1.31	1.30	1.53
1916	23.86	19.76	18.67	20.26	34.00	43.95	2.67	2.13	3.53	2.55	2.67
1917	43.64	38.90	38.95	41.31	40.00	70.96	3.64	3.83	5.88	3.67	4.19
1918	36.67	32.50	36.56	33.25	57.00	47.33	2.89	4.31	3.24	2.99	3.54
1919	31.12	27.65	32.16	29.16	49.29	40.51	2.50	4.10	2.72	2.53	3.12
1920	44.44	42.21	44.47	42.53	54.42	56.22	3.22	4.75	3.28	2.95	3.68
1921	25.34	21.74	26.68	22.93	45.69	34.46	1.87	4.47	1.93	1.94	2.53
1922	27.58	24.20	23.93	24.85	40.75	33.95	1.72	3.35	1.72	1.71	2.22
1923	28.97	25.81	27.87	28.16	43.00	41.70	2.36	3.50	2.43	2.43	2.74
1924	23.29	20.24	23.92	22.11	43.00	37.99	2.20	4.00	2.12	2.19	2.61
1925	22.33	19.59	23.74	22.09	43.00	35.23	2.02	4.52	1.91	1.99	2.47
1926	21.33	18.55	24.71	21.64	43.00	36.00	2.00	4.62	1.88	1.95	2.44
1927	20.46	17.70	21.16	19.68	43.00	33.27	1.84	4.68	1.82	1.83	2.36
1928	19.22	16.66	19.70	18.54	43.00	32.67	1.87	4.64	1.87	1.87	2.35
1929	20.54	18.19	18.51	20.00	43.00	34.66	1.92	4.13	1.93	[5] 1.92	2.39
1930	20.27	17.97	16.16	18.47	43.00	31.84	1.71	4.11	1.69	[5] 1.69	2.21

[1] At furnace after 1907.
[2] Bessemer rails to end of 1913; open-hearth thereafter. The extra $2 per gross ton charged for many years on open-hearth rails was annulled, Oct. 22, 1921.
[3] Muck iron for 1890.
[4] Average for years 1898–1900.
[5] Structural shapes from March 19, 1929.

No. 761.—ALUMINUM AND BAUXITE: PRODUCTION, EXPORTS, AND IMPORTS

	1913	1920	1925	1927	1928	1929	1930
BAUXITE							
Quantities, long tons (2,240 pounds):							
Production	210,241	521,308	316,540	320,940	375,426	365,777	330,612
Georgia, Alabama, and Tennessee	40,370	40,029	20,220	17,110	14,190	14,723	15,339
Arkansas	169,871	481,279	296,320	303,830	361,236	351,054	315,273
Imports for consumption	21,456	42,895	353,696	350,580	350,111	380,812	409,678
Exports	(1)	22,257	78,633	121,858	112,984	133,551	104,504
Value of production [2] (1,000 dollars)	998	3,247	1,988	1,989	2,274	2,266	1,928
ALUMINUM							
Value, 1,000 dollars:							
Production—							
Primary metal	9,450	41,375	36,430	39,266	47,899	51,804	50,961
Secondary metal	2,199	9,489	24,816	23,470	22,848	23,135	(1)
Imports for consumption, total	4,784	13,077	10,107	14,202	8,873	10,860	5,286
Crude and semicrude	4,388	12,184	9,806	13,317	8,057	9,935	4,690
Manufactures	396	893	301	885	816	925	596
Exports, total	966	5,631	6,057	6,307	6,891	7,971	7,122
Crude and semicrude	-------	3,068	3,366	3,479	3,759	4,150	3,916
Manufactures	-------	2,563	2,691	2,829	3,133	3,822	3,206
Quantities, 1,000 pounds:							
Imports (crude and semicrude)	25,095	39,299	41,997	62,575	38,847	50,881	25,461
Exports (crude and semicrude)	(1)	9,408	12,642	14,523	15,728	17,032	17,330

[1] Unavailable.
[2] F. o. b mines.

Sources: Table 760, Iron Age and American Iron and Steel Institute; Table 761, Bureau of Mines, Department of Commerce.

No. 762.—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	1915	1920	1925	1927	1928	1929	1930
UNREFINED COPPER								
Ore produced (million short tons) [1]	28.5	43.4	36.8	53.1	56.7	62.1	68.4	[2]
Average copper yield, per cent	1.88	1.66	1.63	1.54	1.41	1.41	1.41	[2]
Smelter output from domestic ore	1,080.2	1,388.0	1,209.1	1,674.9	1,684.0	1,825.9	2,002.9	1,394.4
Mine production	1,088.2	1,488.1	1,224.6	1,673.1	1,650.0	1,809.8	1,995.1	[2]
Imports, unrefined:								
Ore (copper content)	64.2	92.1	52.0	107.6	99.3	106.2	124.6	101.3
Concentrates (copper content)	21.0	22.3	46.8	54.0	68.2	39.5	53.7	56.9
Matte and regulus (copper content)			17.6	1.7	1.4	2.6	2.1	4.7
Black, in bars, pigs, etc	[3] 259.2	[3] 193.8	244.7	379.3	438.6	543.2	646.2	560.5
REFINED COPPER PRODUCTION								
Total new and old copper	1,611.0	2,027.0	2,151.0	3,045.0	3,306.0	3,560.0	3,993.0	3,091.0
New copper (primary)	1,422.0	1,634.2	1,525.2	2,204.6	2,325.8	2,487.6	2,740.1	2,157.1
Domestic	1,071.9	1,387.7	1,182.4	1,682.9	1,719.0	1,791.8	1,982.7	1,391.2
Foreign	350.1	246.5	343.7	521.7	606.8	695.8	757.4	765.8
Electrolytic	1,128.3	1,360.8	1,351.7	2,050.6	2,125.8	2,300.9	2,542.3	1,993.6
Lake	221.5	236.8	153.5	133.0	195.1	179.1	185.3	143.0
Casting and best select [4]	72.3	36.6	21.0	15.9	4.8	7.6	12.5	20.5
Old copper rerefined (secondary)	189.0	392.4	624.9	840.4	980.4	1,072.8	1,253.1	934.4
REFINED COPPER CONSUMPTION								
New copper produced (refinery)	1,422.0	1,634.2	1,526.2	2,204.6	2,325.8	2,487.6	2,740.1	2,157.1
Refined copper imported	[5]	[5]	108.7	99.8	103.3	84.7	134.0	86.2
Refined copper exported [6]	708.3	588.8	553.1	1,022.3	981.1	1,020.8	903.5	669.3
Stocks, Dec. 31 (refined)	122.8	82.4	650.0	124.0	171.0	114.0	306.0	615.0
Withdrawn on domestic account:								
New refined copper	732.4	1,136.6	1,053.8	1,401.0	1,423.0	1,608.5	1,778.6	1,205.0
New and old copper [6]	921.0	1,529.0	1,679.0	2,241.0	2,403.0	2,681.3	3,031.7	2,199.4

[1] 2,000 pounds.
[2] Not available.
[3] Imports of refined copper in ingots, bars, or other forms included in imports of unrefined.
[4] Includes pig for years 1915 and 1920.
[5] Includes small exports of unrefined black blister and converter copper (bars, pigs, etc.) prior to 1925.
[6] Total from preceding line plus production of secondary copper as given above.

No. 763.—COPPER: Smelter Production by State of Origin of Ore Smelted

[Quantities in thousands of pounds]

State of origin	1910	1915	1920	1925	1927	1928	1929	1930
Total	1,080,160	1,388,010	1,209,061	1,674,870	1,684,041	1,825,900	2,002,863	1,394,389
Alaska	4,311	70,695	66,094	72,204	56,489	40,542	39,868	36,380
Arizona	297,251	432,468	552,989	722,653	681,168	735,632	829,207	570,897
California	45,760	37,658	11,822	46,944	25,803	24,708	33,084	26,262
Colorado	9,307	7,272	4,283	3,163	8,007	10,262	10,520	12,944
Idaho	6,878	6,218	1,922	3,144	1,811	2,337	6,268	2,714
Michigan	221,463	238,956	153,484	138,030	195,135	179,104	185,301	142,986
Missouri		306	533	12	5	1	2	2
Montana	283,079	268,263	177,744	270,905	225,209	251,046	299,895	198,796
Nevada	64,495	67,757	55,580	77,138	118,208	159,333	138,990	87,475
New Mexico	3,785	62,817	52,160	76,467	79,761	92,777	100,165	74,188
Oregon	22	797	2,529	126	485	375	739	230
Pennsylvania	741		618	562	2,149	5,014	3,581	3,061
Tennessee	16,692	18,205	16,728	19,789	14,499	16,374	[1]	[1]
Utah	125,185	175,178	110,358	242,731	267,706	298,375	325,965	206,770
Washington	65	904	2,126	1,185	1,787	1,197	1,569	1,405
Undistributed	1,127	514	92	117	5,749	8,821	27,709	31,280

[1] Included under "Undistributed."

Source of Tables 762 and 763: Bureau of Mines, Department of Commerce.

No. 764.—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 762

[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)			
						New copper			Secondary copper
	Quantity	Value		Quantity	Value	Total[1]	Domestic	Foreign[1]	
1850	1½	320	1908	943	124,419	1,138	943	195	----
1860	16	3,709	1909	1,093	142,084	1,391	1,093	298	----
1870	28	5,997	1910	1,080	137,180	1,422	1,072	350	189
1871–1875	34	8,895	1911	1,097	137,154	1,434	1,097	337	214
1876–1880	50	9,679	1912	1,243	205,139	1,568	1,243	325	273
1881–1885	118	17,236	1913	1,224	189,795	1,615	1,237	378	276
1886–1890	226	30,345	1914	1,150	152,968	1,534	1,150	384	252
1891–1895	339	37,266	1915	1,388	242,902	1,634	1,388	247	395
1896–1900	531	74,424	1916	1,928	474,288	2,259	1,928	331	700
1901–1905	732	103,859	1917	1,886	514,911	2,428	1,886	542	767
1906–1910	980	150,924	1918	1,909	471,408	2,432	1,883	549	705
1911–1915	1,221	185,592	1919	1,286	239,274	1,805	1,433	372	574
1916–1920	1,044	395,270	1920	1,209	222,467	1,526	1,182	344	625
1921–1925	1,240	171,275	1921	506	65,221	951	609	341	435
1926–1930	1,729	252,172	1922	950	128,289	1,256	905	351	672
			1923	1,435	210,945	1,980	1,464	516	822
1902	660	80,460	1924	1,634	214,087	2,260	1,674	586	777
1903	698	95,632	1925	1,675	237,832	2,205	1,683	522	840
1904	813	104,005	1926	1,740	243,547	2,322	1,731	591	960
1905	889	138,650	1927	1,684	220,609	2,320	1,719	607	980
			1928	1,826	262,930	2,488	1,792	696	1,073
1906	918	177,136	1929	2,003	352,504	2,740	1,983	757	1,253
1907	869	173,799	1930	1,394	181,271	2,157	1,391	766	934

[1] Includes refined copper imported from 1908 to 1919, inclusive.

Source: Bureau of Mines, Department of Commerce.

No. 765.—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[1]	65,586	14,392	5,477	896	1922	368,428	103,874	270,507	66,829
1896–1900[1]	137,684	36,745	24,634	5,806	1923	412,375	129,220	338,236	95,988
1901–1905[1]	190,451	54,942	83,237	22,611	1924	556,106	156,646	384,408	96,184
1906–1910[1]	289,445	92,334	130,111	38,026	1925	540,376	161,166	326,486	84,270
1911–1915[1]	416,840	123,655	176,635	46,129	1926	482,843	141,204	389,721	99,742
1916–1920[2]	376,877	208,909	244,948	103,805	1927	538,365	150,214	359,161	84,963
1921–1925	438,337	129,761	298,975	77,811	1928	562,510	169,831	393,537	98,187
1926–1930	491,209	142,999	407,630	108,244	1929	499,237	183,405	487,156	153,710
1921	314,402	97,898	175,236	45,785	1930	376,647	105,342	408,577	104,616

[1] Fiscal years ended June 30.
[2] Average for period July 1, 1915, to Dec. 31, 1920.

Source: Bureau of Foreign and Domestic Commerce.

No. 766.—REFINED PRIMARY LEAD AND SECONDARY LEAD

NOTE.—Production in short tons (2,000 pounds); values except price per pound in thousands of dollars. This table, except the column for secondary lead, relates to new (primary) lead only; the totals include lead derived from both domestic (including Alaska) and foreign ore. General production figures and production of desilverized lead do not include antimonial lead, shown in next to the last column. This table represents exclusively refined lead, while in Table 767 part of the lead from domestic ore is unrefined

Year	Production	Value	Year	Production	Value	Year	Production	Value
1830	8,000	608	1899	298,047	28,824	1916	571,134	78,817
1840	17,000	1,666	1900	367,773	32,384	1917	610,769	105,052
1850	22,000	2,112	1901	371,032	30,909	1918	640,195	90,908
1860	15,600	1,778	1902	367,892	30,157	1919	482,220	51,115
1870	17,830	2,247	1903	368,939	30,991	1920	529,657	84,745
1880	95,725	9,573	1904	393,452	33,837	1921	448,589	40,373
1885	126,192	10,095	1905	388,307	36,501	1922	532,052	58,593
1889	178,357	13,912	1906	404,746	46,141	1923	618,322	86,565
1890	167,844	14,206	1907	413,389	43,819	1924	660,493	110,479
1891	198,363	17,059	1908	396,564	33,311	1925	709,969	133,453
1892	208,223	17,074	1909	446,909	38,434	1926	798,941	127,831
1893	224,320	16,600	1910	470,272	14,384	1927	796,530	100,363
1894	213,650	14,101	1911	486,979	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	462,460	40,696	1930	643,033	64,303
1897	282,169	20,316	1914	542,122	42,286			
1898	302,148	22,963	1915	550,055	51,705			

Year	Class		Source			Average value per pound	Antimonial lead, total production	Secondary lead recovered, total
	Desilverized [1]	Soft	Domestic ores and bullion [2]	Foreign ores	Foreign base bullion			
1880	68,035	27,690	95,725			$0.050	2,100	
1885	104,217	21,975	126,102			.040	3,220	
1890	126,493	31,351	139,720	18,124		.045	3,910	
1895	195,932	39,890	159,649	76,173		.032	6,060	
1900	319,752	48,021	260,918	106,855		.044	9,906	
1905	302,852	85,455	307,514	80,793		.047	10,995	
1910	328,954	141,318	375,402	18,055	76,805	.044	14,069	55,422
1915	388,594	161,461	507,026	9,581	33,448	.047	23,224	78,900
1920	339,803	189,854	476,849	8,414	44,394	.080	12,535	124,650
1925	506,409	260,560	654,921	47,024	65,024	.087	19,667	226,880
1927	562,586	233,944	668,320	32,369	95,841	.063	24,347	276,000
1928	556,068	225,003	626,202	26,632	128,237	.058	33,058	308,600
1929	539,288	235,345	672,498	29,675	72,460	.063	25,669	311,000
1930	441,672	201,361	573,740	34,348	34,945	.050	13,711	255,800

[1] Desilverized soft lead is included. [2] Excludes antimonial lead.

No. 767.—SOURCES OF PRIMARY LEAD SMELTED OR REFINED IN THE UNITED STATES

[Production in short tons (2,000 pounds). See note to Table 766]

Source of ore	1910	1915	1920	1925	1927	1928	1929	1930
Total	494,081	580,041	547,155	798,499	812,545	797,686	788,127	649,306
From domestic ore	389,211	537,012	494,347	683,451	684,105	642,897	685,992	580,013
Arizona	948	6,953	5,987	10,281	7,918	8,144	8,153	4,223
Colorado	38,542	32,352	17,752	31,855	37,040	28,683	23,675	25,091
Idaho	109,951	160,680	117,191	123,363	150,618	141,748	147,595	135,411
Kansas	1,308	1,320	8,421	15,001	[1] 25,463	[1] 27,014	[1] 26,104	[2]
Missouri	161,659	195,634	171,999	208,547	210,366	192,789	211,345	201,056
Montana	1,943	4,853	13,231	22,008	23,041	20,470	26,795	15,412
Nevada	2,246	7,664	8,650	10,978	8,680	5,323	13,256	14,001
Oklahoma	1,805	4,346	68,494	78,487	[1] 47,857	[1] 46,692	[1] 45,653	[2] 36,601
Utah	60,605	106,105	64,006	106,844	155,199	151,724	157,085	122,311
Wisconsin	3,909	2,632	3,841	2,889	2,067	1,812	1,729	1,832
Undistributed	4,058	9,911	10,409	14,657	14,011	16,696	22,690	23,090
Zinc residues	2,237	4,562	4,366	1,541	1,905	102	1,903	995
From foreign ore [3]	18,065	9,581	8,414	47,024	32,539	26,632	29,675	34,348
Africa	3,310		1,171		12			
Canada	25	1,174	1,186	10,676	4,138	10,123	9,499	14,369
Mexico	11,704	5,437	2,729	31,107	22,844	14,339	16,807	14,949
South America	2,906	2,829	2,747	4,496	5,506	1,568	3,285	3,476
From foreign base bullion [3]	76,805	33,448	44,394	65,024	96,841	128,237	72,460	34,945
Mexico	76,805	33,173	42,421	65,024	95,841	117,193	51,295	18,592
Peru						11,044	21,165	16,353

[1] Separation as between Kansas and Oklahoma is made on the basis of mine figures.
[2] Production for Kansas is included with Oklahoma. [3] Totals include small unspecified items.

Source of Tables 766 and 767: Bureau of Mines, Department of Commerce.

No. 768.—SUPPLY AND DISTRIBUTION OF REFINED PRIMARY LEAD

NOTE.—All data in short tons (2,000 pounds). Apparent consumption is only approximate, as no account is taken of changes in stocks outside of bonded warehouses

	1910	1915	1920	1925	1927	1928	1929	1930[1]
Supply, total	473,836	550,467	565,610	770,035	869,708	791,197	780,430	644,570
Stock in bonded warehouses Jan. 1	79	2	234	5,045	10,711	9,464	4,139	1,328
Imports of pigs, bars, and old	3,485	410	35,719	7,021	2,467	862	1,658	209
Production from domestic and foreign ore	470,272	550,055	529,657	766,969	796,530	781,071	774,633	643,033
Deductions, total	78,661	130,907	27,590	123,380	146,735	133,632	87,665	61,461
Exports of foreign lead: From warehouses[1]	69,786	38,618	17,363	98,564	122,734	102,067	53,993	44,266
In manufactures with benefit of drawback	8,800	3,983	6,175	11,699	12,004	13,224	13,086	12,162
Exports of domestic lead		88,306	2,730	4,955	2,533	14,202	19,258	4,041
Stock in bonded warehouses Dec. 31	75		1,322	8,162	9,464	4,139	1,328	(2)
Apparent consumption	395,175	419,560	538,020	655,655	662,973	667,565	692,765	583,109

[1] Includes exports of pigs, bars, etc., produced from foreign ore and reexports of foreign lead imported in the form of pigs and bars.
[2] Not yet available.

Source: Bureau of Mines, Department of Commerce.

No. 769.—MANUFACTURES OF NONFERROUS METALS AND ALLOYS,[1] 1929

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 and products, not including aluminum products;" and "Smelting and refining, metals other than gold, silver, or platinum, not from the ore."

[Quantities in thousands of pounds; values in thousands of dollars]

Kind	1929		Kind	1929	
	Quantity	Value		Quantity	Value
Ingots and pigs:			Wire, bare:[2]		
Copper (secondary)	100,244	16,513	Brass and bronze	63,244	15,189
Lead (secondary)	300,084	21,539	Copper	607,616	131,385
Zinc (secondary)	79,688	5,519	Castings, rough:		
Brass and bronze	290,980	43,568	Brass and bronze—		
Babbitt	108,738	20,301	Weight reported	413,513	98,903
Solders, of all kinds	112,846	28,595	Weight not reported		
Type metal	84,580	7,885	Copper	9,799	2,691
Plates and sheets:			Nickel and nickel alloys	5,227	2,942
Brass and bronze	468,442	98,545	Finished products:		
Copper	255,578	59,540	Castings, finished, brass and bronze		12,352
Lead	71,604	6,490	Bearings and bushings, brass and bronze (including Babbitt-lined bearings)		26,600
Nickel and nickel alloys	54,324	18,338	Die castings		22,077
Rods and bars:			Extruded shapes, total		6,605
Brass and bronze	250,486	45,869	Forgings and hot-pressed parts, brass		7,052
Copper	454,616	81,057	Ornamental grilles and railings, brass and bronze		7,301
Nickel and nickel alloys	14,464	5,876	Bells		800
Tubing (seamless) and pipe:					
Brass and bronze	142,572	36,330			
Copper	98,124	25,774			
Lead	74,052	7,001			
Nickel and nickel alloys	3,578	2,542			
Tubing, brazed (practically all brass)	6,166	1,932			

[1] This table does not include data for establishments engaged in smelting and refining ores containing copper, lead, zinc, and other nonferrous metals.
[2] Does not include wire made by establishments engaged primarily in the drawing of wire.

Source: Bureau of the Census, Department of Commerce.

No. 770.—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	1915	1920	1925	1927	1928	1929	1930[1]
Mine production (recoverable zinc content of ore)	327,618	587,695	587,524	710,847	718,641	695,170	724,478	
Colorado	38,545	52,297	24,395	30,811	35,865	35,731	29,431	
Idaho	2,802	35,077	13,966	15,619	26,778	31,203	45,075	37,640
Kansas	13,229	14,365	61,073	118,778	109,427	107,251	109,850	74,304
Missouri	128,589	136,300	24,509	14,794	18,737	12,074	11,017	10,811
Montana	15,819	93,573	92,169	57,658	80,231	82,830	68,176	
Nevada	1,354	12,188	5,349	7,411	3,172	3,398	8,460	
New Jersey	68,584	117,722	78,511	89,261	95,695	99,871	103,740	
New Mexico	9,044	12,702	5,007	9,246	29,802	31,203	34,455	
New York		2,455	5,664	5,158	8,750	11,257	10,250	
Oklahoma	6,394	14,314	219,727	283,371	206,611	180,252	192,042	136,153
Tennessee	966	16,461	19,217	16,250	10,400	[2] 32,917	[2] 40,558	
Utah	8,184	12,146	4,079	26,306	49,593	46,929	51,510	44,495
Wisconsin	25,027	41,403	27,285	20,230	32,841	18,417	16,980	12,558
Other States	8,181	26,692	6,583	15,948	15,639	877	2,328	
Smelter production	310,407	542,419	506,227	634,376	657,316	673,281	690,847	147,345
Primary zinc	269,184	489,519	463,377	572,946	592,516	602,581	625,447	498,045
From domestic ore	252,479	458,135	450,045	555,631	576,960	591,525	612,136	489,361
From foreign ore	16,705	31,384	13,332	17,315	15,556	11,056	13,311	8,684
Secondary zinc	41,223	52,900	42,850	61,430	64,800	70,700	65,400	49,300
Redistilled	12,784	29,764	21,371	39,181	42,784	48,666	47,348	34,849
Remelted	28,439	23,136	21,479	22,249	22,016	22,034	18,052	14,451
Value of primary product from domestic ore ($1,000)	27,268	113,617	72,907	84,456	73,851	72,166	80,802	46,979
Primary zinc consumed:								
Supply, total	282,350	510,518	508,347	593,724	619,512	656,106	674,105	584,290
Stock, Jan. 1	11,206	20,095	38,793	20,754	26,937	53,522	48,432	85,904
Produced	269,184	489,519	463,377	572,946	592,516	602,581	625,447	498,045
Imported	1,960	904	8,177	24	59	3	226	347
Deductions:								
Exports, total	13,234	131,410	114,267	80,547	49,617	29,614	19,676	8,500
Stock, Dec. 31	23,232	14,253	71,037	13,080	53,522	48,432	85,904	167,293
Apparent domestic consumption	245,884	364,855	323,043	500,097	516,373	578,060	568,525	408,503

[1] Total mine production figures and data for some States are not yet available.
[2] Includes Virginia.

Source: Bureau of Mines, Department of Commerce.

No. 771.—SMELTER PRODUCTION OF PRIMARY ZINC FROM DOMESTIC ORE

[Quantities in short tons (2,000 pounds); values[1] in thousands of dollars]

Yearly average or year	Quantity	Value	Yearly average or year	Quantity	Value	Year	Quantity	Value
1875	15,833	[2] 2,217	1921–1925	426,261	56,149	1921	198,232	19,823
1880[3]	23,239	2,277	1926–1930	576,395	73,119	1922	363,274	40,273
1885	40,688	3,540	1913	337,252	37,772	1923	508,335	69,134
1886–1890	54,285	5,219	1914	343,418	35,029	1924	515,831	67,058
1891–1895	82,396	6,787	1915	458,135	113,617	1925	555,631	84,456
1896–1900	109,963	10,180	1916	564,338	151,243	1926	611,991	91,799
1901–1905	169,504	17,067	1917	584,597	119,258	1927	576,960	73,851
1906–1910	219,378	24,165	1918	492,405	89,618	1928	591,525	72,166
1911–1915	346,867	52,416	1919	452,272	66,032	1929	612,136	80,802
1916–1920	508,731	99,812	1920	450,045	72,907	1930	489,361	46,979

[1] 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.
[2] Computed at yearly average of high and low monthly prices at New York.
[3] Census year ended May 31.

Source: Bureau of Mines, Department of Commerce.

No. 772.—GOLD AND SILVER: PRODUCTION FROM MINES IN CONTINENTAL UNITED STATES, ALASKA, AND PHILIPPINE ISLANDS

NOTE.—The value of gold, in terms of money, being unchanging at $20.67+ per fine ounce, is not shown in the table. The value of silver given is commercial value (Pittman Act value for 1921 to June, 1923), which at times 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 or period	Gold, 1,000 fine ounces	Silver, 1,000 fine ounces	Silver, value, 1,000 dollars
1792–1847	1,187	310	405	1901	3,806	55,214	33,128
1848–1850	4,838	116	152	1902	3,870	55,500	29,415
1851–1855	14,271	194	259	1903	3,660	54,300	29,322
1856–1860	12,384	309	418	1904	3,892	67,683	33,456
1861–1865	10,716	28,811	38,674	1905	4,266	56,102	34,222
1866–1870	12,226	49,113	65,261	1906	4,565	56,518	38,256
1871–1875	8,826	121,083	156,270	1907	4,375	56,515	37,300
1876–1880	10,301	157,681	182,506	1908	4,574	52,441	28,051
1881–1885	7,730	182,841	202,807	1909	4,822	54,722	28,456
1886–1890	8,078	231,819	227,495	1910	4,657	57,138	30,855
1891–1895	9,107	287,057	227,960	1911	4,687	60,309	32,616
1896–1900	15,729	278,544	172,689	1912	4,521	63,767	39,198
1901–1905	19,394	278,798	159,543	1913	4,300	66,802	40,348
1906–1910	22,993	277,333	162,916	1914	4,573	72,455	40,068
1911–1915	22,968	338,384	189,026	1915	4,888	74,961	37,397
1916–1920	17,246	326,009	298,852	1916	4,479	74,415	48,953
1921–1925	12,194	313,757	258,862	1917	4,051	71,740	59,078
1926–1930	11,206	291,582	159,017	1918	3,321	67,810	66,485
1887	1,003	41,722	40,887	1919	2,919	56,682	63,534
1888	1,604	45,793	43,045	1920	2,476	55,362	60,802
1889	1,595	50,095	46,838	1921	2,422	53,052	[1] 53,052
1890	1,589	54,516	57,242	1922	2,363	56,240	[1] 56,240
1891	1,605	58,330	57,630	1923	2,503	73,335	[1] 60,135
1892	1,597	63,500	55,663	1924	2,529	65,407	43,823
1893	1,739	60,000	46,300	1925	2,412	66,155	45,912
1894	1,911	49,500	31,422	1926	2,335	62,719	39,136
1895	2,255	55,727	36,446	1927	2,197	60,434	34,266
1896	2,568	58,835	39,655	1928	2,233	58,403	34,201
1897	2,775	55,860	32,316	1929	2,208	61,328	32,688
1898	3,118	54,438	32,118	1930 [2]	2,233	48,638	18,726
1899	3,437	54,765	32,869				
1900	3,830	57,047	35,741				

State or Territory	Gold, 1,000 fine ounces					Silver, 1,000 fine ounces					Silver, value, 1930, [3] 1,000 dollars
	1910	1920	1925	1929	1930 [2]	1910	1920	1925	1929	1930 [2]	
Total	4,657	2,476	2,412	2,208	2,233	57,138	55,362	66,155	61,328	48,638	18,726
Alaska	787	413	301	375	395	154	822	766	479	405	156
Arizona	165	240	204	211	151	2,656	5,432	7,371	7,840	5,191	1,999
California	989	716	642	409	430	1,792	1,655	3,240	1,195	1,484	572
Colorado	993	363	357	220	214	8,523	5,167	4,435	4,416	4,435	1,708
Idaho	50	23	20	20	21	7,027	7,365	7,663	9,533	9,355	3,602
Michigan	------	------	------	------	------	262	512	136	18	10	4
Montana	180	92	84	56	46	12,283	13,263	12,597	12,614	8,001	3,081
Nevada	913	175	180	159	134	12,366	7,482	6,847	4,747	4,052	1,560
New Mexico	23	22	30	33	30	779	700	800	1,060	1,027	395
Oregon	33	50	19	18	14	44	102	35	38	10	4
South Dakota	260	210	288	312	402	121	88	98	84	104	40
Texas	(3)	(3)	------	1	1	364	523	555	1,042	484	187
Utah	209	103	181	237	200	10,446	11,755	21,241	17,845	13,551	5,217
Washington	39	7	11	4	4	205	178	166	52	37	14
Philippine Islands	7	62	92	152	179	2	22	49	95	117	45
Other	8	(3)	3	2	3	115	296	156	271	383	143

[1] For 1921, 1922, and first half of 1923 price is taken at the figure of $1 per ounce fixed by the Pittman Act.
[2] Preliminary estimate.
[3] Less than 500 ounces.

Source: Reports of the Director of the Mint, Treasury Department.

No. 773.—GOLD AND SILVER FOR USE IN MANUFACTURES AND THE ARTS

Yearly average or year	Gold in thousands of dollars [1]					Silver in thousands of fine ounces				
	New material			Old material	Grand total	New material			Old material	Grand total
	United States coin [2]	Bullion and foreign coin	Total			United States coin [2]	Bullion and foreign coin	Total		
1880	3,300	5,511	8,811	1,294	10,105	464	2,126	2,590	204	2,794
1881-1885	3,715	6,991	10,706	1,863	12,568	155	3,685	3,840	315	4,155
1886-1890	3,500	8,512	12,012	4,029	16,041	155	4,831	4,986	676	5,662
1891-1895	3,500	7,948	11,448	5,060	16,508	108	6,938	7,046	951	7,997
1896-1900	3,500	9,398	12,898	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	3,669	24,553
1911-1915	2,500	28,121	30,621	9,967	40,588	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
1921	1,000	19,442	20,442	28,014	48,455	77	28,766	28,844	7,024	35,868
1922	1,000	30,930	31,930	24,683	56,614	77	31,209	31,287	6,624	37,910
1923	1,000	34,627	35,627	31,265	66,892	77	28,278	28,355	8,470	36,825
1924	1,000	31,471	32,471	32,320	64,791	77	24,587	24,664	8,931	33,596
1925	1,000	30,134	31,134	30,092	61,226	77	29,852	29,929	9,897	39,827
1926	1,000	29,927	30,927	32,063	62,991	77	29,330	29,408	10,001	39,408
1927	1,000	25,450	26,450	30,369	56,820	77	28,416	28,493	10,155	38,649
1928	1,000	25,306	26,306	30,276	56,582	77	24,854	24,931	10,616	35,548
1929	1,000	23,873	24,873	32,031	56,904	77	30,900	30,978	11,382	42,359

[1] Revised estimates for period, 1914-1928. See 1930 Annual Report of Director of Mint.
[2] Estimated.

No. 774.—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 throughout at par of exchange, notwithstanding the fact that from 1918 to 1924, inclusive, the pound sterling was depreciated as compared to the dollar. During this period of depreciation the commercial ratio and the value of the silver (371¼ grains) in the dollar are computed on the basis of the New York average price; for other years they are computed on the basis of the London quotations, which were at all times close to the New York quotations

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	------	1903	0.543	0.542	0.624	0.475	38.10	0.420
1840	1.323	------	------	------	15.62	1.023	1904	.579	.578	.625	.534	35.70	.448
1845	1.298	------	------	------	15.92	1.004	1905	.610	.610	.665	.556	33.87	.472
1850	1.316	------	------	------	15.70	1.018							
1855	1.344	------	------	------	15.38	1.039	1906	.677	.674	.724	.631	30.54	.524
							1907	.662	.660	.710	.528	31.24	.512
1860	1.352	------	------	------	15.29	1.045	1908	.535	.535	.589	.483	38.64	.414
1865	1.338	------	------	------	15.44	1.035	1909	.520	.522	.545	.508	30.74	.402
1870	1.328	------	------	------	15.57	1.027	1910	.541	.542	.576	.508	38.22	.418
1875	1.242	1.239	1.261	1.210	16.64	.961							
1880	1.145	1.139	1.150	1.113	18.06	.886	1911	.539	.540	.575	.521	38.33	.417
1885	1.065	1.064	1.095	1.028	19.41	.824	1912	.615	.620	.656	.553	33.62	.475
							1913	.605	.612	.651	.580	34.19	.468
1886	.905	.999	1.035	.925	20.78	.769	1914	.553	.563	.609	.490	37.37	.428
1887	.979	.979	1.035	.950	21.10	.758	1915	.519	.511	.580	.478	39.84	.401
1888	.940	.943	.978	.920	22.00	.727							
1889	.935	.936	.972	.925	22.10	.723	1916	.686	.672	.791	.573	30.11	.531
1890	1.046	1.053	1.205	.958	19.75	.809	1917	.895	.840	1.165	.731	23.09	.692
							1918	1.042	.984	1.025	.894	21.09	.761
1891	.988	.990	1.075	.948	20.92	.764	1919	1.250	1.121	1.388	1.018	18.44	.867
1892	.871	.876	.953	.830	23.72	.674	1920	1.346	1.019	1.368	.608	20.27	.788
1893	.780	.782	.850	.650	26.49	.604							
1894	.635	.640	.700	.595	32.56	.491	1921	.805	.631	.738	.532	32.75	.488
1895	.654	.663	.690	.600	31.60	.506	1922	.754	.679	.742	.629	30.43	.525
							1923	.700	.652	.690	.629	31.69	.505
1896	.676	.682	.703	.656	30.59	.523	1924	.745	.671	.724	.630	30.80	.519
1897	.604	.608	.661	.528	34.29	.467	1925	.703	.694	.732	.668	29.38	.537
1898	.590	.591	.623	.551	35.03	.456							
1899	.602	.605	.648	.586	34.36	.465	1926	.629	.624	.689	.518	32.88	.483
1900	.620	.621	.658	.598	33.33	.480	1927	.571	.567	.603	.542	36.22	.438
							1928	.586	.585	.639	.568	35.26	.452
1901	.596	.597	.645	.548	34.68	.461	1929	.536	.533	.578	.468	38.54	.412
1902	.528	.528	.569	.474	39.15	.408	1930	.357	.355	.472	.311	53.38	.208

Source: Tables 773 and 774: Annual Reports of the Director of the Mint, Treasury Department

No. 775.—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	66	75	1908	415,843	83,269	332,574	158,179	374,135
1831–1840	1,032	722	310	1909	460,815	81,070	379,744	149,182	405,487
1841–1850	4,635	2,697	1,837	1910	501,596	84,485	417,111	160,275	469,282
1851–1860	12,513	7,645	4,868	1911	496,371	90,464	405,907	175,189	*451,376*
1861–1865	20,538	11,142	9,396	1912	534,467	84,362	450,105	177,623	517,983
1866–1870	31,706	16,281	15,425	1913	509,960	91,525	478,435	195,181	565,235
1871–1875	52,179	23,407	28,773	1914	513,525	90,822	422,704	188,181	493,309
1876–1880	62,261	25,800	36,461	1915	531,619	88,995	442,624	184,653	502,038
1881–1885	107,291	36,198	71,093	1916	590,098	87,578	502,520	202,010	665,116
1886–1890	138,398	43,952	94,446	1917	651,402	99,612	551,791	283,651	1,249,273
1891–1895	178,822	53,405	125,416	1918	678,212	98,826	579,386	336,480	1,491,810
1896–1900	227,123	55,625	171,498	1919[1]	553,952	88,092	*465,860*	*364,927*	*1,160,616*
1901–1905	339,357	66,854	272,503	1920	658,265	89,598	568,667	434,252	2,129,933
1906–1910	454,555	81,142	373,413	1921[1]	506,395	90,473	415,922	452,305	1,199,984
1911–1915	529,189	89,233	439,955	1922	476,951	54,683	422,268	273,700	1,274,820
1916–1920	626,386	92,741	533,645	1923	657,904	93,339	564,565	506,787	1,514,621
1921–1925	558,947	77,648	481,299	1924[1]	571,613	87,927	483,687	477,231	1,062,626
1926–1930	594,318	76,619	517,699	1925[1]	581,870	61,817	520,053	327,665	1,060,402
1905	392,723	77,660	315,063	1926[1]	657,804	84,437	573,367	474,164	1,183,417
1906	414,157	71,282	342,875	1927[1]	597,859	80,096	517,763	420,942	1,029,652
1907	480,303	85,604	394,759	1928[1]	576,093	75,348	500,745	393,038	933,774
				1929[1]	608,817	73,828	534,989	385,648	952,781
				1930[2]	531,015	69,385	461,630	364,574	812,469

State	1900	1911–1915	1916–1920	1921–1925	1926[1]	1927[1]	1928[1]	1929[1]	1930[2]
Total quantity	269,684	529,189	626,386	558,947	657,804	597,859	576,093	608,817	531,015
Anthracite (Pa.)	57,368	89,233	92,741	77,648	84,837	80,096	75,348	73,828	69,385
Bituminous	212,316	439,956	533,645	481,299	573,367	517,763	500,745	534,989	461,630
Alabama	8,394	15,864	17,834	18,097	21,001	19,766	17,621	17,944	*15,240*
Arkansas	1,448	1,986	1,980	1,261	1,459	1,549	1,061	1,695	1,590
Colorado	5,244	9,433	11,595	10,049	10,637	9,724	9,848	9,921	8,180
Illinois	25,768	58,320	78,255	68,523	69,367	46,848	55,948	60,658	53,275
Indiana	6,484	16,060	25,515	21,677	23,186	17,936	16,379	18,344	15,840
Iowa	5,203	7,442	7,571	4,952	4,625	2,950	3,684	4,241	*3,665*
Kansas	4,468	6,811	6,556	3,827	4,416	3,444	2,810	2,976	2,360
Kentucky	5,329	18,380	30,108	43,743	62,924	69,124	61,860	60,463	50,697
Maryland	4,025	4,549	4,168	2,033	3,078	2,815	2,687	2,649	2,288
Michigan	849	1,271	1,801	976	687	757	617	804	665
Missouri	3,540	4,048	5,086	3,011	3,008	3,004	3,733	4,030	3,408
Montana	1,662	2,972	*4,008*	*2,881*	*2,798*	*3,144*	*3,324*	*3,408*	*2,845*
New Mexico	1,299	3,618	3,728	2,772	2,818	2,936	2,712	2,623	1,924
North Dakota	130	506	787	1,221	1,370	1,528	1,350	1,862	1,630
Ohio	18,988	28,553	40,609	31,590	27,872	15,800	15,641	23,689	23,550
Oklahoma	1,922	3,720	4,202	2,741	2,843	3,818	3,501	3,774	2,546
Pennsylvania	79,842	157,229	168,532	133,721	153,042	132,965	131,202	143,516	122,459
Tennessee	3,510	6,288	6,208	5,078	5,789	5,783	5,611	5,405	5,103
Texas	968	2,201	1,980	1,084	1,091	1,326	1,182	1,101	836
Utah	1,147	2,999	4,693	4,593	4,374	4,781	4,843	5,160	4,275
Virginia	2,394	7,924	10,158	10,648	14,133	12,916	11,901	12,748	11,115
Washington	2,474	3,261	3,576	2,626	2,587	2,635	2,520	2,521	2,300
West Virginia	22,647	69,353	86,369	97,044	*143,509*	*145,122*	*132,952*	*138,519*	*120,040*
Wyoming	4,015	6,907	8,555	6,812	6,512	6,754	6,572	6,705	5,631
Miscellaneous	585	259	190	239	239	279	286	231	168

[1] Exclusive of product of wagon mines. [2] Preliminary.

Source: Bureau of Mines, Department of Commerce.

No. 776.—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 [1]		Anthracite exports		Bituminous exports [1]		Total imports		Bunker coal	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
1891–1895 [2]	3,028	10,012	1,128	4,929	1,900	5,081	1,237	3,984	------	------
1896–1900 [2]	4,710	13,300	1,469	6,268	3,241	7,032	1,403	3,831	------	------
1901–1905 [2]	7,750	24,254	1,846	8,782	5,903	15,472	2,287	6,376	------	------
1906–1910 [3]	12,018	36,805	2,646	13,034	9,372	23,770	1,727	4,530	[4] 5,638	[4] 18,291
1910	13,806	41,471	3,022	14,785	10,784	26,685	1,992	5,381	6,446	20,737
1911	17,433	52,593	3,554	18,093	13,879	34,500	1,241	3,623	6,667	21,473
1912	18,149	56.243	3,689	19,425	14,460	36,818	1,610	4,518	7,340	23,603
1913	22,141	67,410	4,154	21,960	17,987	45,450	1,415	3,863	7,701	25,036
1914	17,632	54,316	3,830	20,211	13,802	34,105	1,395	3,928	7,266	24,146
1915	20,305	61,246	3,540	18,429	16,765	42,817	1,524	4,413	7,471	25,193
1916	23,143	68,298	4,166	22,470	18,977	45,828	1,536	4,734	7,826	27,492
1917	26,649	110,413	5,364	30,910	21,285	79,503	1,304	4,842	6,883	31,845
1918	24,392	107,881	4,436	29,216	19,956	78,665	1,334	6,898	5,532	29,868
1919	22,402	120,377	4,443	36,668	17,959	83,709	977	5,473	7,343	48,206
1920	39,215	349,811	4,825	45,538	34,390	304,273	1,140	6,992	9,362	82,462
1921	24,829	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	27,913
1923	23,700	154,124	4,545	49,577	19,155	104,547	1,949	12,249	4,547	31,470
1924	18,855	111,039	3,587	40,068	15,268	70,971	478	3,019	3,983	22,883
1925	18,429	100,163	2,838	31,761	15,591	68,403	379	5,846	4,344	23,398
1926	35,091	196,905	3,598	41,086	31,493	155,819	1,201	9,301	6,907	38,025
1927	19,051	104,257	2,969	32,928	16,082	71,329	597	3,284	4,076	22,077
1928	17,411	92,121	2,979	32,557	14,433	59,464	831	4,989	3,834	20,258
1929	18,903	98,310	3,041	32,569	15,562	65,742	877	5,486	3,827	19,575
1930	16,455	83,694	2,278	24,509	14,176	59,185	818	5,525	3,122	15,697

[1] Does not include fuel or bunker coal laden on vessels engaged in the foreign trade.
[2] Fiscal years ended June 30. [3] Average for period July 1, 1905, to Dec. 31, 1910.
Figures do not include coal laden on vessels on the Great Lakes in 1906, 1907, and 1908.

No. 777.—COAL: Shipments, Average Value per Ton, and Men Employed

Calendar year	Thousand tons (2,000 pounds)				Average value per ton	Men employed	Average number of days worked	Average tonnage per man—		Per cent mined by machine	Calculated capacity, at 308 days (million tons [1])
	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	(3)	(2)
1895	52,093	1,315	4,591	------	1.41	142,917	196	2.07	406	(3)	(2)
1900	50,710	1,208	5,550	------	1.49	144,206	166	2.40	398	(3)	(2)
1905	69,053	1,571	7,036	------	1.83	165,406	215	2.18	470	(3)	(2)
1910	73,623	2,021	8,841	------	1.90	169,497	220	2.17	498	(3)	(2)
1915	76,906	2,092	9,997	------	2.07	176,552	230	2.19	504	1.5	(2)
1920	76,844	2,897	9,858	------	4.85	145,074	271	2.28	618	1.1	(2)
1925	53,768	2,885	5,164	------	5.30	160,312	182	2.12	386	1.6	(2)
1926	75,319	2,687	6,431	------	5.62	165,386	244	2.09	511	1.1	(2)
1927	70,495	3,047	6,554	------	5.26	165,259	225	2.15	485	1.5	(2)
1928	66,488	3,185	5,676	------	5.22	160,681	217	2.17	469	1.7	(2)
1929	65,295	3,233	5,301	------	5.22	151,501	225	2.17	487	1.6	(2)
1930	61,202	3,144	5,038	------	5.11	150,804	208	2.21	460	2.0	(2)
BITUMINOUS											
1890	87,373	7,008	1,607	15,332	.99	192,204	226	2.56	579	[3] 5.3	151
1895	106,287	8,340	2,086	18,404	.86	239,902	194	2.90	563	[4] 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	10,630	7,007	42,412	1.06	460,629	211	3.24	684	32.8	459
1910	342,969	12,287	9,668	52,187	1.12	555,533	217	3.46	751	41.7	592
1915	379,877	12,354	9,799	40,595	1.13	557,456	208	3.91	794	55.0	671
1920	504,873	21,289	11,896	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
1926	526,286	23,602	5,728	17,751	2.06	593,647	215	4.50	966	71.7	821
1927	480,233	21,890	4,930	10,720	1.99	593,918	191	4.55	872	72.2	835
1928	467,348	21,990	4,602	6,805	1.86	522,150	203	4.73	959	73.8	760
1929	497,934	23,263	4,663	9,129	1.78	502,993	219	4.85	1,064	75.4	752

[1] Of 2,000 pounds. [2] Not available. [3] 1891. [4] 1896.

Sources: Table 776, Bureau of Foreign and Domestic Commerce; Table 777, Bureau of Mines, Department of Commerce.

No. 778.—CONSUMPTION OF BITUMINOUS COAL: BY THE PRINCIPAL CLASSES OF CONSUMERS IN THE UNITED STATES, 1889 TO 1930

	1889	1899	1909	1914	1919	1923	1927	1929	1930
Consumption (million net tons 2,000 lbs.), total	95.8	190.3	370.3	408.3	481.7	519.0	499.8	519.6	449.1
(a) Colliery fuel	1.4	3.1	9.5	10.4	11.1	8.8	4.9	4.7	4.1
(b) Locomotive fuel, all steam roads	26.5	53.4	106.0	117.0	124.7	137.0	121.0	118.6	[1] 96.7
(c) Bunkers, vessels in foreign trade	1.9	3.8	6.8	8.2	8.2	5.1	4.6	4.3	3.5
(d) Coke ovens, beehive and by-product	16.0	30.2	59.4	51.6	65.6	84.4	74.4	86.8	70.5
(e) Electric public utilities [2]	------	7.6	18.7	24.6	35.1	39.0	41.9	44.9	42.9
(f) Local sales at mines, not shipped [3]	6.4	7.8	12.0	13.0	18.1	22.1	21.9		
(g) Iron and steel works (gas coal and steam coal) [4]	5.1	11.8	20.9	22.2	28.2	30.2	25.3	260.3	231.4
(h) Coal and water gas plants [5]	1.9	2.3	3.8	4.4	4.4	4.9	6.3		
(i) General manufacturing industries [6]	36.6	70.3	78.5	88.3	104.8	107.2	104.2		
(j) Domestic and all other [7]			54.7	69.1	81.5	80.3	95.3		
Per cent of total consumption	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
(a) Colliery fuel	1.5	1.6	2.6	2.6	2.3	1.7	1.0	.9	.9
(b) Locomotive fuel, all steam roads	27.7	28.1	28.6	28.6	25.9	26.4	24.2	22.8	21.5
(c) Bunkers, vessels in foreign trade	2.0	2.0	1.9	2.0	1.7	1.0	.9	.8	.8
(d) Coke ovens, beehive and by-product	16.7	15.9	16.0	12.6	13.6	16.3	14.9	16.7	15.7
(e) Electric public utilities	------	4.0	5.0	6.0	7.3	7.5	8.4	8.6	9.6
(f) Local sales at mines, not shipped	6.7	4.1	3.2	3.2	3.8	4.3	4.4		
(g) Iron and steel works (gas coal and steam coal)	5.3	6.2	5.7	5.4	5.8	5.8	5.1	50.1	51.5
(h) Coal and water gas plants	2.1	1.2	1.0	1.1	.9	.9	1.3		
(i) General manufacturing industries	38.0	36.9	21.2	21.6	21.8	20.6	20.8		
(j) Domestic and all other			14.8	16.9	16.9	15.5	19.1		

[1] Class I roads.
[2] Includes electric central stations and street railways and certain minor plants. Data not available for 1889.
[3] Item (f) includes coal used by mine employees and sold for domestic purposes in the vicinity of the mine. It also includes an unknown amount taken by locomotive tenders at the tipple or sold to a near-by factory or power plant. It therefore involves an unknown amount of overlapping with items (b), (c), and (i). Double counting in the total is avoided by an adjustment in item (j), which is obtained by subtracting the sum of all other items from the known total.
[4] Figures include all coal used except that charged in coke ovens.
[5] Includes coal for gas making only. Excludes coal charged in by-product coke ovens operated by city gas companies, which is included under item (d).
[6] Excludes coal consumed in coke ovens, iron and steel works, and for gas making at coal and water-gas plants; includes consumption of railroad-car shops.
[7] Includes heating of large buildings other than factories, and also some nondomestic uses not covered elsewhere. Obtained by subtraction; see item (f) and note 3. Because of this it is affected by any errors in the other items.

Source: Bureau of Mines, Department of Commerce (data were assembled from various original sources).

No. 779.—COAL: AVERAGE AND RELATIVE RETAIL PRICES[1] IN TON LOTS

Year	Anthracite—Chestnut				Anthracite—Stove				Bituminous			
	Average price		Relative price		Average price		Relative price		Average price		Relative price	
1913[2]	*Dollars* 7.91		100		*Dollars* 7.73		100		*Dollars* 5.43		100	
	Jan.	July	Jan.	July	Jan.	July	Jan.	July	Jan.	July	Jan.	July
1917	9.40	9.16	119	116	9.29	9.08	120	118	6.96	7.21	128	133
1918	10.03	10.07	127	127	9.88	9.96	128	129	7.68	7.92	141	146
1919	11.61	12.17	147	154	11.51	12.14	149	157	7.90	8.10	145	149
1920	12.77	14.33	161	181	12.59	14.28	163	185	8.81	10.55	162	194
1921	16.13	14.95	204	189	15.99	14.90	207	193	11.82	10.47	218	193
1922	15.02	14.92	190	189	14.98	14.87	194	192	9.89	9.49	182	175
1923	15.46	15.05	195	190	15.43	15.10	200	196	11.18	10.04	206	185
1924	15.76	15.10	199	191	15.77	15.24	204	197	9.75	8.94	180	165
1925	15.37	14.93	194	189	15.45	15.14	200	196	9.24	8.61	170	159
1926	[3]	15.19	[3]	192	[3]	15.43	[3]	200	9.74	8.70	179	160
1927	15.42	14.81	195	187	15.66	15.15	203	196	9.96	8.91	183	164
1928	15.08	14.63	191	185	15.44	14.91	200	193	9.30	8.69	171	160
1929	15.06	14.63	190	185	15.38	14.94	199	193	9.09	8.62	167	159
1930	15.00	14.53	190	184	15.33	14.84	198	192	9.11	8.65	168	159
1931	14.88	------	188	------	15.12	------	196	------	8.87	------	163	------

[1] Prices represent combined averages for cities shown in Table 780.
[2] Average of prices for January and July, 1913. This is used as a base in working relative prices.
[3] Insufficient data.

Source: Bureau of Labor Statistics, Department of Labor.

No. 780.—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,[1] chestnut					Bituminous					
	1926	1927	1929	1930	1931	1926	1927	1928	1929	1930	1931
Atlanta, Ga.						7.32	8.67	7.93	7.97	7.80	7.60
Baltimore, Md.	[2] 15.75	[2] 15.50	[2] 15.50	13.75	13.75	7.38	8.32	8.07	8.00	7.89	7.75
Birmingham, Ala.						7.79	8.09	7.72	7.66	7.66	7.38
Boston, Mass.	16.00	16.25	16.00	15.50	15.75						
Bridgeport, Conn.	15.38	16.00	15.00	15.50	14.75						
Buffalo, N. Y.	13.56	13.37	13.53	13.32	13.29						
Butte, Mont.						11.05	11.02	10.89	10.93	11.15	10.48
Charleston, S. C.	[2] 17.10					11.00	11.00	11.00	9.67	9.67	9.67
Chicago, Ill.	16.70	16.80	16.45	16.40	16.30	8.51	9.85	9.21	[3] 8.20	[3] 8.53	[3] 8.09
Cincinnati, Ohio						7.21	7.89	7.08	[3] 5.54	[3] 6.30	[3] 6.30
Cleveland, Ohio	*14.88*	*15.05*	*14.97*	*14.75*	*14.50*	8.37	9.73	9.00	[3] 7.43	[3] 7.10	[3] 6.81
Columbus, Ohio						6.68	7.75	7.21	[3] 6.09	[3] 6.07	[3] 6.09
Dallas, Tex.	[4] 17.75	[4] 16.00	[4] 15.50	[4] 15.50	[4] 15.0	14.22	13.22	12.70	13.17	12.92	12.58
Denver, Colo.	[5] 16.33	[5] 16.00	[5] 16.00	[5] 14.75	[5] 15.25	9.47	10.73	10.50	10.52	10.45	10.21
Detroit, Mich.	15.38	15.75	15.50	15.50	14.92	8.93	10.34	9.31	[3] 8.33	[3] 8.39	[3] 7.41
Fall River, Mass.	15.83	16.25	16.25	16.25	16.25						
Houston, Tex.						12.38	13.50	12.80	13.20	13.60	12.20
Indianapolis, Ind.	16.50					7.15	7.67	7.27	[3] 6.28	[3] 6.01	[3] 5.93
Jacksonville, Fla.						12.00	14.00	14.00	12.00	14.00	10.00
Kansas City, Mo.	[4] 15.17	[4] 14.50	[4] 12.60	[4] 12.55	[4] 12.44	8.13	7.81	7.50	7.33	7.18	6.79
Little Rock, Ark.	[4] 15.00	[4] 14.00	[4] 13.50	[4] 13.50	[4] 13.50	11.00	10.80	10.60	10.25	9.95	10.05
Los Angeles, Calif.						16.31	16.50	16.50	16.25	16.50	16.50
Louisville, Ky.						7.37	8.42	7.46	[3] 7.16	[3] 7.01	[3] 6.24
Manchester, N. H.	17.00	17.50	17.00	17.00	16.83						
Memphis, Tenn.						8.11	8.80	8.33	7.37	7.85	7.44
Milwaukee, Wis.	16.65	16.65	15.90	15.85	15.50	9.69	11.32	9.48	[3] 7.80	[3] 7.68	[3] 7.70
Minneapolis, Minn.	17.95	17.75	17.90	17.85	16.90	10.92	11.75	11.72	[3] 10.90	[3] 10.56	[3] 9.35
Mobile, Ala.						10.02	10.12	9.54	9.57	9.63	9.59
Newark, N. J.	13.43	13.50	13.50	13.46	13.40						
New Haven, Conn.	15.20	15.40	14.90	15.17	14.90						
New Orleans, La.						11.19	11.29	11.29	11.29	10.90	10.93
New York, N. Y.	14.33	14.50	14.33	14.13	13.67						
Norfolk, Va.	15.50	16.00	15.00	14.00	15.00	9.27	9.68	9.05	[3] 7.88	[3] 7.25	[3] 7.38
Omaha, Nebr.						10.04	10.19	10.26	9.50	9.69	9.68
Peoria, Ill.						6.79	7.29	7.10	6.90	6.75	6.43
Philadelphia, Pa.	[2] 15.32	[2] 15.64	[2] 14.11	[2] 14.50	13.50						
Pittsburgh, Pa.	16.50	15.88	15.00	15.00	14.50	6.83	6.24	5.65	5.25	5.20	4.91
Portland, Me.	16.56	16.80	16.80	16.80	16.80						
Portland, Oreg.						13.64	13.34	13.32	13.07	13.46	13.38
Providence, R. I.	[6] 16.00	[6] 16.50	[6] 16.00	[6] 16.00	[6] 16.00						
Richmond, Va.	15.50	16.50	15.00	15.00	15.00	8.83	11.66	9.70	[3] 8.38	[3] 8.38	[3] 8.75
Rochester, N. Y.	14.15	14.15	14.25	14.25	14.00						
St. Louis, Mo.	16.88	17.20	16.45	16.45	15.98	6.69	7.50	7.02	6.40	6.75	6.40
St. Paul, Minn.	17.95	17.75	17.90	17.85	16.90	11.57	12.16	11.98	[3] 10.68	[3] 10.27	[3] 9.58
Salt Lake City, Utah	[5] 18.50	[5] 18.00	[5] 18.00	[5] 18.00		8.40	8.47	8.34	7.86	8.37	8.47
San Francisco, Calif.	[7] 26.50	[7] 26.50	[7] 26.00	[7] 26.00	[7] 26.00	17.28	17.11	17.25	16.75	16.98	17.00
Savannah, Ga.	[3] 17.00					[3] 11.50	[3] 13.25	[3] 11.13	[3] 10.53	[3] 10.24	[3] 10.53
Scranton, Pa.	10.62	10.67	10.33	9.92	9.88						
Seattle, Wash.						10.21	10.47	10.18	10.48	10.68	10.79
Springfield, Ill.						4.25	4.38	4.44	4.24	4.34	4.34
Washington, D. C.	[2] 15.67	[2] 15.54	[2] 15.13	[2] 15.23	[2] 15.23	[2,3] 8.88	[2,3] 9.75	[2,3] 8.75	[2,3] 8.63	[2,3] 8.63	[2,3] 8.61

[1] The term "anthracite" signifies Pennsylvania anthracite, except as indicated by notes.
[2] Per ton of 2,240 pounds.
[3] Prepared sizes, high volatile.
[4] Arkansas anthracite, egg or furnace.
[5] Colorado anthracite, furnace, 1 and 2 mixed.
[6] 50 cents per ton additional is charged for binning.
[7] New Mexico anthracite.
[8] 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. 781.—LABOR STRIKES IN COAL MINES

Year	Men on strike	Working days lost	Average days lost per man	Year	Men on strike	Working days lost	Average days lost per man
1907[1]	32, 540	462, 392	14	1919	453, 418	15, 761, 410	35
1908[1]	145, 145	5, 449, 938	38	1920	282, 419	5, 914, 473	21
1909	24, 763	723, 634	29	1921	151, 263	3, 106, 103	21
1910	218, 493	19, 250, 524	88	1922	603, 031	73, 497, 043	122
1911	41, 413	983, 737	24	1923	197, 214	3, 868, 543	20
1912	311, 056	12, 527, 305	40	1924	129, 452	5, 362, 748	41
1913	135, 395	3, 049, 412	23	1925	186, 369	16, 433, 036	88
1914	161, 720	11, 013, 667	68	1926	174, 724	6, 707, 778	38
1915	67, 190	2, 467, 431	37	1927[2]	193, 322	26, 675, 109	138
1916	170, 633	3, 344, 586	20	1928	86, 870	4, 605, 086	53
1917	160, 240	2, 348, 399	15	1929	58, 052	468, 453	8
1918	79, 395	508, 526	6				

State	1926		1927		1928		1929	
	Men on strike	Days lost	Men on strike	Days lost	Men on strike	Days lost	Men on strike	Days lost
Grand total	174, 724	6, 707, 778	193, 322	26, 675, 109	86, 870	4, 605, 086	58, 052	468, 453
Anthracite (Pa.)	145, 376	5, 990, 477	20, 478	159, 242	36, 128	400, 682	39, 777	272, 511
Total bituminous	29, 348	717, 301	172, 844	26, 515, 867	50, 742	4, 204, 404	18, 275	195, 942
Arkansas	205	1, 635	339	41, 810			95	2, 177
Colorado			5, 429	267, 210	1, 594	57, 184		
Illinois	987	12, 609	66, 992	10, 018, 566	21, 815	1, 463, 409	10, 162	68, 155
Indiana	10, 450	179, 375	17, 303	2, 345, 279	3, 216	91, 842	3, 851	58, 553
Iowa	932	19, 510	5, 624	815, 764	1, 986	68, 623	810	2, 434
Kansas	118	1, 560	3, 014	390, 711	1, 525	168, 766	106	3, 341
Kentucky	688	3, 170	1, 824	24, 750	1, 130	14, 124	561	4, 286
Maryland	603	13, 280						
Michigan	225	225	470	1, 510	430	6, 320	782	3, 894
Missouri	64	760	2, 662	336, 972	941	67, 585	211	633
Montana	226	450			1, 219	9, 178		
Ohio	6, 857	85, 118	26, 250	5, 605, 443	9, 222	1, 576, 960	943	40, 166
Oklahoma	20	20	163	25, 428				
Pennsylvania[1]	4, 922	272, 918	41, 692	6, 591, 870	5, 999	658, 111	313	4, 073
Tennessee	300	300	50	3, 000	265	795	200	1, 200
Texas								
Utah								
Washington								
West Virginia	2, 602	126, 242	982	47, 548	210	18, 650		
Other States	60	120			1, 190	3, 057	261	1, 031

[1] Bituminous mines only.
[2] Owing to unusual conditions, figures tend to understate extent of the strike and number of idle miners.

Source: Bureau of Mines, Department of Commerce.

No. 782.—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[1]
	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	150
1906–1910	36,848	31,290	5,552	15.1	91,068	904	159
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	251,967	734	99
1926–1930	53,724	6,687	47,037	87.6	262,212	1,027	171
1914	34,556	23,336	11,220	32.5	88,334	664	133
1915	41,581	27,508	14,073	33.8	105,504	896	53
1916	54,534	35,464	19,069	35.0	170,841	1,175	55
1917	55,607	33,168	22,439	40.4	208,243	1,409	25
1918	56,478	30,481	25,998	46.0	382,324	1,688	30
1919	44,181	19,043	25,138	56.9	258,340	717	16
1920	51,345	20,511	30,834	60.0	475,981	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	56,978	19,380	37,598	66.0	373,497	1,237	85
1924	44,270	10,286	33,984	76.8	244,042	660	83
1925	51,267	11,355	39,912	77.9	262,559	954	202
1926	56,866	12,489	44,377	78.0	307,773	987	285
1927	51,092	7,207	43,885	85.9	262,321	807	169
1928	52,806	4,493	48,313	91.5	252,834	1,093	148
1929	59,884	6,472	53,412	89.2	278,995	1,238	120
1930	47,972	2,776	45,196	94.2	200,137	1,004	133

[1] Imports entered for consumption, prior to 1925.

No. 783.—COKE: By-Product and Beehive Production, by States

[Figures in thousands of short tons (2,000 pounds)]

	1915	1920	1923	1924	1925	1927	1928	1929	1930
BY-PRODUCT									
Total	14,073	30,834	37,598	33,984	39,912	43,885	48,313	53,412	45,196
Alabama	2,070	3,124	4,385	4,386	4,582	4,364	4,327	4,754	3,987
Colorado	----	517	448	523	490	594	606	565	379
Illinois	1,687	2,137	3,187	2,365	3,012	3,014	3,241	4,204	3,576
Indiana	2,768	4,554	5,043	4,272	5,142	5,550	6,094	6,455	4,984
Maryland	313	682	862	810	1,019	1,077	1,186	1,393	1,169
Massachusetts	504	488	554	398	535	744	687	777	863
Michigan	(1)	1,393	1,649	1,771	1,751	1,920	2,400	2,080	2,004
Minnesota	128	675	696	515	518	633	623	746	641
New Jersey	269	726	808	869	904	906	903	808	919
New York	684	1,040	1,784	1,601	2,220	3,603	3,803	4,299	3,850
Ohio	666	5,615	6,324	5,723	7,105	7,214	7,786	8,521	6,163
Pennsylvania	3,092	7,730	9,186	8,426	9,853	11,061	13,475	14,489	12,529
West Virginia	141	447	941	999	1,056	1,396	1,368	1,431	1,479
All other States	1,749	1,706	1,642	1,335	1,725	1,808	1,814	2,199	2,051
BEEHIVE									
Total	27,508	20,511	19,380	10,286	11,355	7,207	4,493	6,472	2,776
Pennsylvania	22,531	15,908	16,439	8,501	9,574	5,716	3,442	5,368	2,011
Ohio	19	87	150	110	156	(1)	(1)		
West Virginia	1,250	1,381	822	330	490	527	431	497	422
Alabama	1,001	890	269	155	88	----	----	----	----
Kentucky	285	273	126	79	(1)	(1)	(1)	----	----
Tennessee	234	163	180	132	128	105	104	96	25
Virginia	630	1,028	775	485	422	317	248	315	220
Colorado	671	273	200	212	155	194	144	156	79
Utah	(1)	(1)	233	160	146	85	28	14	7
All other States	887	509	188	123	196	263	46	26	12

[1] Included under "all other States."

Source of tables 782 and 783: Bureau of Mines, Department of Commerce.

No. 784.—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. Gas produced and consumed within the same establishment, blast-furnace gas, and gas resulting from by-product coke-oven operation are not included

Material or product	Unit	Quantity (thousands of unit specified)			Cost or value (thousands of dollars)		
		1925	1927	1929	1925	1927	1929
Materials used, total cost					178,423	211,786	188,416
Coal for gas making	Short ton [1]						
Anthracite	Long ton [2]	619	113	70			
Bituminous	Short ton [1]	6,871	8,102	9,031			
Oil for gas making	Gallon	212,211	230,729	196,701			
Oil for carbureting	do	679,378	683,048	672,930			
Gas purchased	M. cu. ft.	64,569	96,618	103,209			
Products, total value					455,490	516,705	512,658
Commercial plants					448,218	509,277	505,590
Municipal plants					7,242	7,428	7,063
Gas for sale, total	M. cu. ft.	359,402	412,236	408,401	395,969	446,245	438,243
Coal gas	do	7,411	(3)	(3)	12,481	(3)	(3)
Carbureted water gas	do	112,186	(3)	(3)	136,624	(3)	(3)
Mixed coal and water gas	do	210,743	(3)	(3)	213,018	(3)	(3)
Oil gas	do	24,289	(3)	(3)	29,040	(3)	(3)
Other gas	do	4,774	(3)	(3)	3,904	(3)	(3)
Coke for sale	Short ton [1]	2,398	2,977	3,444	20,721	25,514	26,868
Tar for sale:							
Coal gas	Gallon	63,803	78,691	88,149	3,547	4,449	4,816
Water gas and oil gas	do	61,471	83,479	75,546	2,594	3,768	3,354
All other products					32,631	36,729	39,372

[1] 2,000 pounds. [2] 2,240 pounds. [3] Not called for on schedule.

No. 785.—PRODUCTION, PURCHASE, AND SALE OF GAS BY COMPANIES ENGAGED IN THE MANUFACTURED-GAS INDUSTRY

[In millions of cubic feet]

Year	Gas sold	Year	Gas sold	Year	Total gas produced and purchased	Produced	Purchased		Gas sold
							Coke-oven gas	Natural gas	
1904	113,930	1913	188,286	1922	389,000	300,682	52,883	35,435	350,000
1905	112,444	1914	198,839	1923	418,000	313,718	65,872	38,410	384,722
1906	122,850	1915	204,310	1924	441,381	324,765	63,350	53,266	405,205
1907	132,012	1916	231,381	1925	457,100	324,400	76,600	56,100	421,403
1908	138,570	1917	264,493	1926	492,042	353,886	83,640	54,516	455,631
1909	143,118	1918	271,593	1927	508,323	354,456	91,270	62,597	471,000
1910	149,431	1919	300,000	1928	537,193	362,889	96,931	77,373	495,809
1911	159,101	1920	319,888	1929	578,304	352,060	118,159	[1] 108,085	524,100
1912	178,229	1921	326,950	1930 [2]	578,846	328,668	122,344	127,834	523,528

[1] Includes 2,142,000,000 cubic feet of oil still gas purchased and a small quantity of natural gas produced.
[2] Preliminary.

No. 786.—AVERAGE NET PRICE OF MANUFACTURED GAS

NOTE —Net prices for the first 1,000 cubic feet for household use in cities specified in the first section of Table 787

Date	Actual	Relative	Date	Actual	Relative	Date	Actual	Relative
Apr. 15, 1913	$0.95	100	Apr. 15, 1919	$1.04	110	Dec. 15, 1924	$1.24	131
Apr. 15, 1914	.94	99	Apr. 15, 1920	1.09	115	Dec. 15, 1925	1.23	130
Apr. 15, 1915	.93	98	May 15, 1921	1.32	139	Dec. 15, 1926	1.22	128
Apr. 15, 1916	.92	97	Mar. 15, 1922	1.29	136	Dec. 15, 1927	1.22	128
Apr. 15, 1917	.91	96	Mar. 15, 1923	1.25	132	Dec. 15, 1928	1.22	128
Apr. 15, 1918	.95	100	Mar. 15, 1924	1.24	131	Dec. 15, 1929	1.21	127
						Dec. 15, 1930	1.18	124

Sources: Table 784, Bureau of the Census, Department of Commerce; Table 785, American Gas Association; Table 786, Bureau of Labor Statistics, Department of Labor.

No. 787.—RETAIL PRICES OF GAS IN PRINCIPAL CITIES

NOTE.—Prices are net per 1,000 cubic feet of gas for household use. Prices for manufactured gas are based on a family consumption of 3,000 cubic feet per month. In cities where a service charge or a sliding scale is in operation rates are slightly higher for families using less than 3,000 cubic feet per month and slightly lower for those consuming more. Prices for natural gas and for manufactured and natural mixed gas are based on a family consumption of 5,000 cubic feet per month

City	Apr. 15, 1913	Apr. 15, 1915	Apr. 15, 1918	Apr. 15, 1919	Apr. 15, 1920	May 15, 1921	June 15, 1922	June 15, 1923	June 15, 1924	June 15, 1925	June 15, 1926	June 15, 1927	June 15, 1928	June 15, 1929	June 15, 1930	Dec. 15, 1930
MANUFACTURED GAS																
Atlanta	$1.00	$1.00	$1.00	$1.15	$1.15	$1.90	$1.65	$1.65	$1.55	$1.55	$1.55	$1.55	$1.55	$1.43		
Baltimore	.90	.80	.75	.75	.75	.75	.92	.92	.85	.85	.85	.85	.85	.85	$0.85	$0.85
Birmingham	1.00	.95	.95	.95	.95	.88	.88	.80	.80	.80	.80	.80	.80	.80	.80	.80
Boston	.81	.80	.86	1.05	1.08	1.40	1.32	1.25	1.20	1.18	1.18	1.18	1.18	1.18	1.16	1.16
Butte	1.49	1.49	1.49	1.49	1.49	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10
Charleston, S. C.	1.10	1.10	1.10	1.10	1.25	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55
Chicago	.80	.80	.72	.90	.87	1.20	1.07	1.07	1.02	1.02	1.02	1.02	.98	.98	.98	.98
Cleveland	.80	.80	.80	.80	.80	.80	.80	.80	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
Denver	.85	.80	.85	.95	.95	.95	.95	.95	.95	.95	.95	.90	.90			
Detroit	.75	.75	.75	.79	.79	.85	.79	.79	.82	.82	.79	.79	.79	.79	.79	.79
Fall River	.80	.80	.95	.95	1.05	1.25	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.14	1.14
Houston	1.00	1.00	1.00	1.00	1.09	1.09	1.09	1.09	1.09	1.09						
Indianapolis	.60	.55	.55	.60	.60	.90	1.20	1.15	1.15	1.10	1.05	1.05	.95	.95	.95	.95
Jacksonville	1.20	1.15	1.25	1.25	1.50	1.75	1.65	1.65	1.97	1.97	1.97	1.92	1.92	1.92	1.92	1.92
Manchester	1.10	1.00	1.00	1.18	1.18	1.58	1.48	1.48	1.38	1.38	1.38	1.38	1.34	1.34	1.34	1.34
Memphis	1.00	1.00	.93	.93	1.27	1.35	1.20	1.20	1.20	1.20	1.20	1.20	1.20			
Milwaukee	.75	.75	.75	.75	.75	.90	.90	.80	.82	.82	.82	.82	.82	.82	.82	.82
Minneapolis	.85	.80	.77	.95	.95	1.28	1.02	1.05	1.01	.95	.97	.96	.94	.89	1.05	.96
Mobile	1.10	1.10	1.10	1.35	1.35	1.80	1.80	1.80	1.80	1.80	1.80	1.76	1.76	1.76	1.76	
Newark	1.00	.90	.97	.97	1.15	1.40	1.25	1.25	1.20	1.20	1.20	1.20	1.20	1.20	1.21	1.21
New Haven	.90	.90	1.00	1.10	1.10	1.27	1.18	1.18	1.18	1.13	1.13	1.13	1.13	1.13	1.13	1.13
New Orleans	1.10	1.00	1.00	1.30	1.30	1.30	1.45	1.30	1.30	1.30	1.30	1.30	1.30			
New York	.84	.83	.83	.85	.87	1.40	1.31	1.23	1.23	1.23	1.23	1.24	1.25	1.25	1.24	1.24
Norfolk	1.00	1.00	1.20	1.20	1.60	1.40	1.40	1.40	1.40	1.40	1.33	1.33	1.33	1.33	1.32	1.32
Omaha	1.15	1.15	1.15	1.15	1.15	1.47	1.18	1.18	1.18	1.08	1.08	1.08	1.00	.95	.95	.88
Peoria	.90	.90	.85	.85	.85	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
Philadelphia	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Portland, Me.	1.10	1.00	1.00	1.00	1.40	1.85	1.65	1.55	1.55	1.55	1.50	1.42	1.42	1.42	1.42	1.42
Portland, Oreg.	.95	.95	.95	.95	.95	1.38	1.25	1.16	1.16	1.16	1.19	1.17	1.17	1.17	1.17	1.17
Providence	.85	.85	1.00	1.30	1.30	1.42	1.42	1.22	1.22	1.17	1.17	1.13	1.13	1.13	1.13	1.13
Richmond	.90	.90	.80	1.00	1.00	1.30	1.30	1.30	1.30	1.30	1.29	1.29	1.29	1.29	1.29	1.29
Rochester	.95	.95	.95	.95	.95	1.18	1.10	1.05	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
St. Louis	.80	.80	.75	.75	.85	1.05	1.05	1.00	1.00	1.00	1.00	1.00	1.00	1.11	1.11	1.11
St. Paul	.95	.90	.85	.85	.85	1.00	1.00	.85	.85	.85	.90	.90	.90	.90	.90	.90
Salt Lake City	.87	.87	.87	1.15	1.35	1.57	1.57	1.57	1.57	1.54	1.53	1.52	1.51	1.51		
San Francisco	.75	.85	.85	.95	.95	1.05	1.02	.92	1.00	1.05	.95	.95	.94	.90		
Savannah					1.25	1.60	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45
Scranton	.95	.95	1.15	1.30	1.30	1.70	1.60	1.60	1.50	1.50	1.50	1.40	1.40	1.40	1.40	1.40
Seattle	1.00	1.00	1.20	1.20	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.43	1.43
Springfield, Ill.	1.00	1.00	1.00	1.10	1.10	1.40	1.40	1.35	1.35	1.35	1.25	1.25	1.25	1.25	1.25	1.25
Washington	.93	.93	.90	.95	.95	1.25	1.05	1.05	1.00	1.00	1.00	1.00	1.00	1.00	1.00	.95
NATURAL GAS																
Atlanta															$1.17	$1.00
Cincinnati	$0.30	$0.30	$0.35	$0.35	$0.35	$0.35	$0.50	$0.50	$0.50	$0.75	$0.75	$0.75	$0.75	$0.75	.75	.75
Cleveland	.30	.30	.30	.35	.35	.35	.40	.55	.55	.55	.60	.60	.60	.60	.60	.60
Columbus	.30	.30	.30	.30	.30	.30	.45	.45	.45	.55	.55	.48	.48	.48	.48	.48
Dallas	.45	.45	.45	.45	.45	.68	.68	.68	.68	.74	.74	.79	.79	.79	.79	.79
Denver														.99	.99	.99
Houston											.75	.75	.75	.75	.75	.75
Kansas City	.27	.27	.60	.80	.80	.90	.90	.95	.95	.95	.95	.95	.95	.95	.95	.95
Little Rock	.40	.40	.40	.45	.45	.45	.45	.45	.65	.65	.65	.65	.65	.65	.65	.65
Los Angeles												.91	.91	.84	.84	.84
Louisville		.45	.45	.45	.45	.45	.45	.45	.45	.45	.45	.45	.45	.45	.45	.45
Memphis														.97	.95	.95
Mobile																1.24
New Orleans														.95	.95	.95
Pittsburgh	.28	.28	.28	.35	.35	.45	.50	.50	.53	.60	.60	.60	.60	.60	.60	.60
Salt Lake City															.99	.99
San Francisco															.97	.97
MANUFACTURED AND NATURAL GAS MIXED																
Buffalo									$0.60	$0.60	$0.65	$0.65	$0.65	$0.65	$0.65	$0.65
Los Angeles		$0.68	$0.68	$0.68	$0.75	$0.75	$0.75	$0.73	.68	.68	.68	.68				

Source: Bureau of Labor Statistics, Department of Labor.

No. 788.—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	Production	Value		Quantity	Value	Gas treated	Production	Value
1906–1910	437,057	57,940				1922	762,546	221,535	545,139	505,832	72,711
1911–1915	575,708	88,492	11,602	30,317	2,481	1923	1,006,976	240,001	875,711	816,226	77,268
1916–1920	762,681	154,590	412,787	268,038	48,174	1924	1,141,521	253,856	1,016,276	933,861	82,233
1921–1925	947,419	229,002	820,445	762,151	82,205	1925	1,188,571	265,271	1,040,390	1,127,470	120,383
1917	795,110	142,089	429,288	217,884	40,189	1926	1,313,019	300,168	1,206,300	1,363,090	136,412
1918	721,001	153,554	449,109	282,536	50,364	1927	1,445,428	317,930	1,341,248	1,641,144	118,688
1919	745,916	160,888	430,404	351,535	64,197	1928	1,568,139	363,726	1,473,434	1,814,034	138,944
1920	798,210	196,194	496,431	384,744	71,788	1929	1,917,693	413,276	1,959,294	2,233,688	158,410
1921	662,052	174,617	465,097	449,934	61,815	1930[1]	1,979,000	412,000	1,800,000	2,172,900	126,000

State	Natural gas produced and marketed					Natural gas consumed	Natural gasoline produced		
	1915	1920	1925	1928	1929	1920	1928	1929	1930
Total	623,579	798,210	1,188,571	1,568,139	1,917,693	1,917,451	1,814,034	2,233,688	2,172,900
Arkansas	[2] 992	19,050	41,878	20,235	19,928	39,758	32,677	33,455	31,800
California	21,891	66,041	187,789	246,215	342,214	342,214	584,111	840,325	814,100
Illinois	2,690	3,013	4,165	3,051	2,983	3,139	7,817	7,080	6,300
Indiana	2,261	4,435	1,168	1,290	1,012	2,365		2	
Kansas	27,046	33,140	26,917	45,644	38,469	75,470	36,765	35,227	32,300
Kentucky	1,667	15,297	10,770	15,383	27,588	19,444	7,267	6,006	6,000
Louisiana	25,540	46,219	152,620	227,321	261,138	200,777	55,022	64,957	70,200
Montana	6	818	1,496	6,277	9,659	9,332			
New York	7,977	19,127	[3] 6,210	[3] 7,224	[3] 8,387	18,102	392	264	200
Ohio	79,510	136,872	43,235	56,341	57,936	126,631	13,174	11,166	8,900
Oklahoma	87,517	126,639	249,285	320,861	357,893	329,295	619,691	676,030	578,000
Pennsylvania	113,682	161,307	101,632	99,466	101,951	122,876	16,571	18,411	15,900
Texas	13,324	49,467	[4] 134,872	[4] 301,490	464,928	465,526	324,516	419,485	489,700
West Virginia	244,004	100,289	180,345	163,018	167,333	73,856	69,729	72,994	63,000
Wyoming	[5] 342	10,312	45,539	47,490	44,648	43,500	42,861	44,644	51,100
All other	120	6,044	050	5,833	11,626	44,070	3,441	2,742	4,800

[1] Preliminary.
[2] Includes gas piped from Oklahoma and consumed in Arkansas.
[3] Includes 68,000,000 cubic feet piped to Canada in 1925, 84,000,000 in 1928, and 103,000,000 in 1929.
[4] Includes 64,000,000 cubic feet piped to Mexico in 1925, 76,000,000 in 1928, and 139,000,000 in 1929.
[5] Includes Colorado.

No. 789.—ASPHALT: PRODUCTION, EXPORTS, AND IMPORTS

Quantity and value	1910	1915	1920	1925	1929	1930
QUANTITY (TONS OF 2,000 POUNDS)						
Manufactured asphalt produced and sold	161,187	1,052,821	1,746,275	3,178,370	4,688,471	4,260,472
From domestic petroleum	161,187	664,503	700,496	1,206,700	2,322,973	2,273,546
From foreign petroleum		388,318	1,045,779	1,971,670	2,355,498	1,986,926
Native asphalt produced and sold [1]	98,893	75,751	198,497	584,850	804,027	702,777
Asphalt (chiefly lake) imported	186,340	138,248	128,414	122,162	121,019	53,198
Asphalt exported:						
Native, unmanufactured		42,787	51,706	32,835	46,962	23,160
Petroleum asphalt				59,014	479,404	410,389
VALUE (THOUSANDS OF DOLLARS)						
Manufactured asphalt produced and sold	2,226	8,446	26,258	42,826	51,194	42,831
From domestic petroleum	2,226	4,716	11,985	15,306	24,136	21,570
From foreign petroleum		3,730	14,273	27,520	27,058	21,261
Native asphalt produced and sold [1]	854	526	1,214	4,148	5,470	4,463
Asphalt (chiefly lake) imported	776	680	1,068	907	956	457
Asphalt exported:						
Native—						
Unmanufactured		736	1,356	826	1,133	629
Manufactured, including roofing		439	842	2,526	2,382	1,808
Petroleum asphalt				1,762	8,543	7,277

[1] Native asphalt and related bitumens.

Source: Tables 788 and 789, Bureau of Mines, Department of Commerce.

No. 790.—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	1906	126,494	92,445	1920	442,929	1,360,745
1866–1870	4,013	15,795	1907	166,095	120,107			
1871–1875	8,221	16,430	1908	178,527	129,079	1921	472,183	814,746
1876–1880	16,816	22,926	1909	183,171	128,329	1922	557,531	895,111
			1910	209,557	127,900	1923	732,407	978,430
1881–1885	25,508	22,933				1924	713,940	1,022,683
1886–1890	32,990	23,830	1911	220,449	134,045	1925	763,743	1,284,960
1891–1895	51,095	35,708	1912	222,935	164,213			
1896–1900	59,498	56,836	1913	248,446	237,121	1926	770,874	1,447,760
1901–1905	102,083	83,524	1914	265,763	214,125	1927	901,129	1,172,830
			1915	281,104	179,463	1928	901,474	1,054,880
1906–1910	172,769	119,572				1929	1,007,323	1,280,417
1911–1915	247,739	185,793	1916	300,767	330,900	1930[1]	896,265	1,066,555
1916–1920	362,661	735,698	1917	335,316	522,635			
1921–1925	647,961	999,186	1918	355,928	703,944			
1926–1930	895,413	1,204,488	1919	378,367	760,266			

[1] Preliminary.

Source: Bureau of Mines, Department of Commerce.

No. 791.—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.

Period	Quantity (thousands of barrels of 42 gallons)						Value (millions of dollars)				
	Production, crude oil	Imports		Exports		Bunker oil	Imports		Exports		Bunker oil
		Crude oil	Refined oils	Crude oil	Refined oils		Crude oil	Refined oils	Crude oils	Refined oils	
1871–1880	12,519	(1)	(1)	528	6,026	(1)	(1)	(1)	2.4	37.7	(1)
1881–1890	29,249	(1)	(1)	1,719	12,084	(1)	(1)	(1)	5.1	43.7	(1)
1891–1895	51,095	(1)	(1)	2,606	16,751	(1)	(1)	(1)	5.0	40.8	(1)
1896–1900	59,498	(1)	(1)	2,907	20,240	(1)	(1)	(1)	5.8	57.1	(1)
1901–1905	102,083	(1)	(1)	3,029	22,317	(1)	(1)	(1)	6.3	68.5	(1)
1906–1910	172,769	[2] 295	(1)	3,686	30,521	(1)	[2] 0.7	(1)	6.4	90.4	(1)
1911–1915	247,739	12,080	293	4,134	44,475	(1)	7.6	1.1	6.1	125.8	(1)
1916–1920	362,661	49,531	1,396	5,413	58,896	11,681	25.5	5.0	14.1	323.7	24.2
1921–1925	647,961	94,857	12,545	13,330	76,455	36,501	68.0	22.2	22.5	363.6	55.9
1926–1930	895,413	67,919	23,779	20,062	119,700	50,196	78.6	51.8	30.2	464.7	62.3
1913	248,446	16,979	435	4,633	44,622	(1)	10.9	2.1	3.4	139.7	(1)
1914	265,763	16,913	336	2,970	48,716	[3] 1,302	10.0	1.5	5.0	133.7	[3] 1.1
1915	281,104	18,139	44	3,768	51,377	3,566	10.4	.2	4.3	138.3	3.2
1916	300,767	20,797	414	4,096	57,833	5,530	12.6	1.3	7.0	194.5	5.6
1917	335,316	30,127	1,401	4,098	58,999	5,008	16.3	4.3	7.7	245.2	7.4
1918	355,928	37,736	1,207	4,901	59,727	6,603	21.3	4.4	12.1	332.2	11.7
1919	378,367	52,822	1,340	5,924	52,641	14,031	26.4	5.0	14.8	327.0	29.4
1920	442,929	106,175	2,619	8,045	65,278	26,335	55.8	10.1	29.0	519.3	66.7
1921	472,183	125,364	3,412	8,865	57,534	27,076	66.5	10.8	20.2	363.5	57.2
1922	557,531	127,308	8,539	9,995	59,592	31,692	70.4	17.8	18.3	312.0	43.7
1923	732,407	82,015	17,592	17,061	77,893	37,582	53.9	24.3	23.1	327.0	52.2
1924	713,940	77,775	16,760	17,605	93,411	43,328	73.8	29.9	26.5	392.3	58.0
1925	763,743	61,824	16,324	13,125	93,843	42,827	75.4	31.3	24.3	422.6	68.2
1926	770,874	60,382	20,902	15,400	108,398	46,662	79.3	44.6	28.5	497.2	71.0
1927	901,129	58,383	13,281	15,843	115,309	50,051	78.6	33.6	26.9	429.7	73.0
1928	901,474	79,767	11,701	18,961	126,159	51,226	90.5	40.9	26.8	465.2	59.4
1929	1,007,323	78,933	29,632	26,394	126,377	52,278	70.9	61.0	37.8	493.4	64.7
1930	896,265	62,129	43,381	23,704	122,165	50,765	64.9	78.7	32.2	438.1	53.6

[1] Data are not available.
[2] Average for years 1908–1910 for total mineral oils.
[3] July to December. Reports for July and August did not include San Francisco.

Source: Bureau of Mines and Bureau of Foreign and Domestic Commerce, Department of Commerce.

No. 792.—PETROLEUM, CRUDE: PRODUCTION BY REGIONS AND STATES, AND APPROXIMATE WORLD PRODUCTION

[In thousands of barrels of 42 gallons]

Section	1901–1910 (average)	1911–1915 (average)	1916–1920 (average)	1921–1925 (average)	1926	1927	1928	1929	1930 (preliminary)
World total [1]	236,795	384,345	541,733	944,768	1,096,823	1,262,582	1,324,733	1,484,041	1,418,723
United States [2]	137,426	247,739	382,661	647,961	770,874	901,129	901,474	1,007,323	896,265
Per cent of total	*58.0*	*64.4*	*66.8*	*68.6*	*70.3*	*71.4*	*68.0*	*67.9*	*63.2*
Regions:									
Appalachian	28,943	24,594	27,161	28,504	28,572	30,454	31,059	33,824	34,200
Lima-Indiana [3]	17,253	5,052	3,468	2,297	2,030	1,835	1,670	1,547	4,873
Michigan				1	94	439	594	4,528	
Illinois [3]	12,059	24,955	13,918	9,585	8,418	7,720	7,425	7,237	6,638
Mid-continent	25,088	87,056	184,616	343,545	423,867	547,003	553,125	584,280	529,630
Gulf	17,436	12,357	24,273	33,688	45,275	52,053	45,591	57,106	69,505
Rocky Mountain	402	2,605	11,830	35,258	37,945	30,420	29,199	26,267	23,258
California	35,641	90,512	97,384	195,074	224,673	231,196	231,811	292,534	228,099
States:									
Arkansas				36,644	58,332	40,005	32,096	24,917	19,663
California	35,641	90,512	97,384	195,074	224,673	231,196	231,811	292,534	228,099
Colorado	381	211	139	392	2,768	2,831	2,774	2,358	1,657
Illinois	12,059	24,955	13,918	8,815	7,760	6,994	6,462	6,319	5,699
Indiana	6,527	1,167	865	1,011	808	852	1,052	981	991
Kansas [4]	4,603	2,235	32,556	32,733	41,408	41,09	38,596	42,813	41,617
Kentucky [5]	696	484	5,335	8,044	6,274	6,719	7,359	7,775	7,345
Louisiana	4,310	12,997	19,117	25,759	23,201	22,818	21,847	20,554	23,107
Michigan				1	94	439	594	4,528	3,509
Montana			129	2,729	7,727	5,058	4,015	3,980	3,139
New Mexico [6]				[7] 554	1,666	1,226	943	1,830	10,172
New York	1,153	920	864	1,274	1,956	2,242	2,603	3,377	3,802
Ohio	15,677	8,586	7,583	7,045	7,272	7,593	7,015	6,743	6,519
Oklahoma [4]	19,076	68,624	102,209	155,088	179,195	277,775	249,857	255,004	215,227
Pennsylvania	10,538	8,002	7,662	7,607	8,961	9,526	9,956	11,820	12,797
Texas	14,534	16,256	55,008	127,009	166,916	217,389	257,320	296,876	289,965
West Virginia	11,605	10,487	8,311	6,575	5,946	6,023	5,661	5,574	5,092
Wyoming	21	2,394	11,562	31,601	25,776	21,307	21,461	19,314	17,846

[1] Estimated. [2] Includes for certain years small quantities not distributed by regions and States.
[3] Southwestern Indiana reported with Illinois beginning 1921; previously with Lima-Indiana region.
[4] Kansas includes report for Oklahoma in 1905 and 1906.
[5] Kentucky includes report for Tennessee from 1891 to 1907. [6] Not shown separately prior to 1924.
[7] Average for years 1924 and 1925.

No. 793.—STOCKS OF CRUDE AND REFINED MINERAL OILS ON DECEMBER 31

[In thousands of barrels of 42 gallons]

	1924	1925	1926	1927	1928	1929	1930
Stocks of crude petroleum, total [1]	417,619	[2] 431,646	[2] 403,338	473,379	[2] 491,847	[2] 535,264	512,797
Stocks east of California [3]	312,725	[2] 293,852	278,264	352,038	368,353	381,198	361,701
Light			225,404	303,539	319,928	341,829	323,972
Heavy			52,860	48,499	48,425	39,369	32,729
Pipe line and tank-farm stocks by field of origin, total	280,807	264,245	242,180	312,637	327,565	334,891	320,510
Appalachian	9,286	8,493	7,790	7,334	5,515	5,239	6,492
Lima-Indiana	1,221	971	666	1,134	1,102	544	1,378
Illinois and southwestern Indiana	10,870	10,582	11,770	12,170	11,367	10,411	10,252
Mid-continent	210,558	195,941	173,848	246,839	265,748	274,187	259,016
Gulf coast	20,200	19,263	20,031	17,922	18,272	20,129	18,255
Rocky Mountain	28,672	28,995	28,075	27,238	25,501	24,381	25,117
Refinery stocks	31,184	[2] 29,200	35,475	39,317	40,529	46,195	41,191
Foreign petroleum held by importers	734	407	609	84	259	112	6,350
Producers' stocks (at wells)	8,389	7,560	5,904	7,536	6,521	6,198	
Stocks in California [1]	96,505	[2] 130,234	[2] 119,170	113,805	[2] 116,973	[2] 147,868	144,748
Light	40,541	44,451	30,861	20,086	[2] 17,755	41,049	40,625
Heavy [1]	55,964	[2] 85,783	[2] 88,309	93,719	[2] 99,218	[2] 106,819	104,121
Natural-gas gasoline at plants	302	326	455	734	607	604	578
Stocks of refined oils [4]	102,366	[2] 120,492	123,291	123,063	128,556	[2] 153,298	152,495
Grand total stocks all oils	520,287	[2] 552,484	[2] 527,084	597,176	[2] 621,010	689,166	665,870

[1] Includes fuel oil in California. [2] Revised, not comparable with previous years.
[3] Exclusive of producers' stocks. [4] Includes wax, coke, asphalt, and residuum in barrels.

Source of Tables 792 and 793: Bureau of Mines, Department of Commerce.

No. 794.—SUPPLY AND DEMAND OF CRUDE AND REFINED OILS

[In thousands of barrels of 42 gallons]

	1924	1925	1926	1927	1928	1929	1930
Total new supply of all oils	832,959	870,107	886,611	1,014,084	1,038,166	1,171,359	1,056,305
Domestic production, total	738,378	791,907	805,291	942,348	946,609	1,062,649	950,690
Crude petroleum	713,940	763,743	770,874	901,129	901,474	1,007,323	896,265
Natural gasoline	22,235	26,307	32,305	38,657	42,326	52,271	51,736
Benzol	2,203	1,857	2,112	2,562	2,809	3,055	2,689
Imports—							
Crude	77,775	61,824	60,382	58,383	79,767	78,033	62,129
Refined [1]	16,806	16,376	20,938	13,353	11,790	29,777	43,486
Change in stocks [2]	+27,897	+29,291	−26,419	+70,092	+22,775	+68,156	−23,296
Total demand	805,062	840,816	913,030	943,992	1,015,391	1,103,203	1,079,601
Exports [3]—							
Crude	18,239	13,337	15,407	15,844	18,966	20,401	23,709
Refined [1]	98,905	100,497	116,543	125,805	135,991	136,719	132,960
Domestic [4]	687,918	726,982	781,080	802,343	860,434	940,083	922,935
Bunker oil	43,328	42,827	46,662	50,051	51,226	52,278	50,773

[1] Includes wax, coke, asphalt, and residuum in barrels.
[2] Data include crude petroleum, refined products, and, except in 1924, natural gasoline.
[3] Includes shipments to noncontiguous territories.
[4] Includes bunker oil put on vessels engaged in foreign trade.

Source: Bureau of Mines, Department of Commerce.

No. 795.—PETROLEUM REFINING: MATERIALS AND PRODUCTS

Material or product	Quantity (thousands of unit specified)				Cost or value (thousands of dollars)		
	Unit	1925	1927	1929	1925	1927	1929
Materials used, total cost					1,889,678	1,752,997	2,031,341
Crude petroleum	Barrel [1]	739,489	831,332	1,030,922	(2)	(2)	(2)
Partially refined oils, etc., purchased and rerun	do	57,845	33,939	51,540	(2)	(2)	(2)
Natural gasoline	do	23,223	26,353	42,381	(2)	(2)	(2)
Soda ash	Ton [3]	21	21	18	(2)	(2)	(2)
Caustic soda	do	60	95	134	(2)	(2)	(2)
Sulphuric acid	do	820	873	1,008	(2)	(2)	(2)
Sulphuric acid, reclaimed and reused	do	345	344	476	(2)	(2)	(2)
All other					(2)	(2)	(2)
All products, total value					2,376,657	2,142,649	2,389,665
Gasoline	Gallon	10,726,262	12,729,536	17,538,789	1,218,236	1,048,471	1,531,242
Naptha	do	294,947	451,344	662,642	28,938	42,484	64,904
Benzine	do	41,714	50,556	49,941	4,903	4,625	5,276
Tops	do	215,948	159,904	155,155	12,117	6,574	8,622
Illuminating oils	do	2,365,302	2,217,591	2,338,929	161,881	147,925	164,836
Fuel oils:							
Distillates	do	1,204,937	976,670	1,024,364	51,743	44,287	39,338
Gas oils	do	1,812,645	2,576,591	2,882,959	79,602	90,328	96,094
Residual fuel oil	do	11,586,456	11,862,599	12,483,631	357,613	313,344	249,198
Partially refined oils sold for rerunning	do	1,497,879	1,583,727	1,466,861	65,305	62,210	49,143
Lubricating oils:							
Pale or paraffin	do	270,345	227,198	157,669	38,763	30,617	19,653
Red or neutral	do	528,756	531,627	504,640	92,464	87,243	90,603
Cylinder oils	do	206,884	219,673	218,561	47,226	43,036	59,109
All other lubricating oils	do	355,037	403,403	612,840	73,712	83,783	135,308
Liquid asphaltic road oils	do	274,317	204,799	323,002	12,512	9,303	11,041
Residuum or tar	do	125,115	118,467	104,111	5,552	5,118	3,149
Greases	do	45,820	63,039	57,669	13,921	12,961	16,046
Paraffin wax	do	89,762	94,257	84,639	30,590	23,432	22,328
Asphalt, other than liquid	Ton [3]	2,276	2,642	3,115	30,461	37,884	34,506
Coke, petroleum	do	924	1,244	1,265	6,438	7,170	5,461
Other refinery products					31,034	24,173	37,943
All other products					12,587	8,726	15,264

[1] 42 gallons.
[2] No data.
[3] Of 2,000 pounds.

Source: Bureau of the Census, Department of Commerce.

No. 796.—PETROLEUM PRODUCTS: OILS RUN TO STILLS, OUTPUT OF REFINERIES, STOCKS, EXPORTS, AND APPARENT CONSUMPTION OF PRODUCTS

NOTE.—Stocks are those in the hands of refiners only. Hence "apparent consumption" represents deliveries by refiners to dealers and consumers. Exports include shipments to noncontiguous territories. Consumption figures for kerosene, gas oil and fuel oil, and lubricating oil take into account imports not shown separately

[In thousands of barrels of 42 gallons, except wax (thousand pounds), and coke and asphalt (thousand short tons of 2,000 pounds)]

Item	1918	1920	1925	1926	1927	1928	1929	1930
Crude oil run to stills	326, 025	433, 915	739, 920	779, 264	828, 835	913, 295	987, 708	927, 447
Domestic	324, 618	372, 779	698, 582	734, 301	778, 729	835, 711	912, 191	866, 615
Foreign	1, 407	61, 136	41, 338	44, 963	50, 106	77, 584	75, 517	60, 832
Natural gasoline run to stills or blended at refineries	2, 451	3, 153	[1] 19, 636	[1] 27, 696	[1] 32, 162	[1] 35, 223	[1] 46, 457	[1] 46, 670
Stocks of crude oil, end of year	15, 750	21, 261	[2] 29, 200	[2] 35, 475	[2] 39, 317	[2] 40, 529	[2] 46, 307	[2] 41, 191
Motor fuel:								
Production	86, 280	118, 022	262, 252	302, 769	334, 049	380, 990	439, 393	441, 534
Exports (gasoline and benzol)	13, 650	15, 675	31, 684	43, 769	44, 051	53, 412	62, 059	65, 621
Imports (gasoline)	307	964	3, 813	55, 400	5, 002	4, 198	8, 834	16, 927
Stocks end of year	7, 080	11, 009	38, 875	39, 067	33, 349	33, 092	43, 261	40, 541
Apparent consumption	75, 672	102, 937	226, 329	264, 391	299, 818	332, 033	375, 999	395, 560
Kerosene:								
Production	43, 461	55, 240	59, 689	61, 768	56, 113	59, 353	55, 940	49, 208
Exports	11, 820	20, 878	21, 212	22, 248	19, 537	22, 034	20, 022	17, 000
Stocks, end of year	9, 050	9, 359	7, 121	8, 575	7, 715	9, 001	9, 095	6, 883
Apparent consumption	34, 442	33, 082	39, 969	38, 140	37, 491	36, 235	36, 032	34, 620
Gas oil and fuel oil;								
Production	174, 319	210, 987	304, 991	305, 195	393, 066	427, 237	428, 219	383, 162
Exports	29, 637	22, 080	36, 088	37, 351	47, 391	44, 427	39, 151	36, 450
Stocks, end of year	15, 691	19, 938	[2] 24, 681	[2] 24, 898	[2] 34, 022	[2] 34, 926	[2] 39, 762	[2] 37, 007
Apparent consumption	142, 751	185, 972	[3]	[3]	[3]	[3]	[3]	[3]
Lubricants:								
Production	20, 035	24, 938	31, 055	32, 293	31, 721	34, 658	34, 359	34, 201
Exports	6, 165	9, 643	9, 678	9, 435	9, 776	11, 023	10, 860	9, 936
Stocks, end of year	3, 306	3, 822	7, 253	7, 576	7, 860	8, 340	8, 269	10, 971
Apparent consumption	13, 823	14, 742	20, 581	22, 568	21, 609	23, 168	23, 609	21, 588
Wax—production...1,000 lbs	505, 144	541, 204	590, 577	645, 815	584, 347	630, 144	630, 074	547, 680
Stocks, end of year...do	199, 658	195, 368	116, 391	185, 331	[4] 150, 038	112, 554	189, 592	232, 592
Coke—production..1,000 tons	560	577	991	995	1, 145	1, 427	1, 821	1, 935
Stocks, end of year...do	23	32	238	291	345	437	745	1, 041
Asphalt—production ...1,000 tons	608	1, 291	2, 677	2, 923	3, 418	3, 297	3, 469	3, 254
Stocks, end of year...do	77	81	159	193	221	236	240	308
Other finished products			8, 044	8, 030	7, 405	9, 402	9, 924	12, 767
Losses	14, 557	18, 743	22, 914	26, 928	28, 396	29, 040	35, 064	37, 122

[1] Includes natural gasoline run through pipe lines in California. [2] Stocks east of California only.
[3] Not available. [4] 1927 data revised for comparison with 1928; earlier years not strictly comparable.

No. 797.—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, 1930				
	1929	1930	1929	1930	Gasoline	Kerosene	Gas oil and fuel oil	Lubricants	Wax
Total	987, 708	927, 447	46, 457	46, 670	436, 217	49, 208	81, 734	34, 201	547, 680
East coast	172, 434	172, 320	2, 473	2, 223	63, 009	7, 336	19, 206	10, 156	209, 720
Appalachian	33, 802	32, 056	642	590	14, 914	3, 798	2, 171	5, 084	101, 920
Indiana, Illinois, Kentucky, etc	110, 349	109, 519	2, 636	2, 925	63, 930	4, 552	9, 493	4, 180	48, 440
Oklahoma, Kansas, and Missouri	115, 449	110, 989	4, 248	5, 077	62, 929	8, 229	5, 111	2, 960	33, 880
Texas	211, 693	215, 312	9, 749	12, 287	101, 707	12, 674	16, 189	8, 012	53, 480
Louisiana and Arkansas	75, 428	61, 494	6, 731	4, 189	28, 699	5, 339	7, 664	811	76, 440
Rocky Mountain	25, 443	20, 929	1, 492	1, 543	13. 199	971	900	485	23, 800
California	243, 110	204, 829	18, 486	17, 836	87, 830	6, 309	21, 000	2, 513	

Source: Tables 796 and 797, Bureau of Mines, Department of Commerce.

No. 798.—PETROLEUM PIPE LINES

[All figures, except miles of line operated, in thousands of dollars]

Company and State or field served	Miles of line operated	Investment in pipe lines	Other investments	Pipe-line operating revenues	Pipe-line operating expenses	Pipe-line operating income	Net income
ALL REPORTING COMPANIES							
1920	48,712	340,328	267,362	103,600	66,452	26,026	58,949
1921	55,260	365,024	287,114	115,950	62,370	25,530	34,400
1922	57,349	382,280	264,344	128,059	64,539	52,720	58,568
1923	64,760	432,065	305,841	131,213	69,234	52,678	62,039
1924	68,185	496,187	282,504	146,021	74,656	63,176	72,234
1925	70,009	511,088	93,896	164,645	80,232	70,966	88,495
1926	72,846	539,410	111,891	173,075	83,098	76,523	80,401
1927	76,070	609,439	105,927	195,561	90,287	92,719	93,239
1928	81,676	659,093	106,688	222,073	96,478	112,221	117,206
1929	85,796	741,010	104,445	251,411	102,101	135,421	142,216
COMPANIES REPORTING OPERATING REVENUES OF OVER $500,000 IN 1929							
Atlantic Pipe Line Co	670	12,853	----	6,628	2,935	3,610	3,863
Buckeye Pipe Line Co	7,130	20,244	3,444	4,580	3,328	937	1,143
Continental Pipe Line Co	1,060	7,673	39	2,186	1,525	604	622
Cumberland Pipe Line Co	1,276	4,524	1,111	527	532	48	36
Empire Pipeline Co	844	8,266	----	3,235	1,469	1,662	1,773
Eureka Pipe Line Co	4,776	11,176	2,223	1,919	1,907	92	12
Gulf Pipe Line Co	4,250	55,277	3,922	14,727	6,842	7,507	8,031
Gulf Pipe Line Co. of Oklahoma	1,458	11,960	----	6,813	1,918	4,738	5,165
Humble Pipe Line Co	6,173	80,767	----	38,277	12,331	25,539	27,260
Illinois Pipe Line Co	4,928	40,120	4,083	12,931	5,852	5,815	6,328
Imperial Pipe Line Co. (Ltd.)	297	2,020	----	588	336	195	238
Indiana Pipe Line Co	920	5,343	780	1,652	793	674	801
Magnolia Pipe Line Co	5,595	63,173	----	21,121	7,202	13,404	13,585
National Transit Co	3,911	8,714	6,403	1,693	1,213	458	715
Oklahoma Pipe Line Co	2,229	24,376	----	10,577	3,707	5,867	5,898
Pierce Pipe Line Co	216	2,392	2,184	590	191	374	563
Prairie Pipe Line Co	13,197	103,596	66,652	38,207	14,849	19,549	22,183
Pure Oil Pipe Line Co. (Ohio)	404	1,849	136	770	264	489	505
Pure Oil Pipe Line Co. of Texas	825	7,166	126	1,786	1,143	490	618
Shell Pipe Line Corporation	3,271	47,035	----	21,689	6,706	14,682	14,002
Shreveport-El Dorado Pipe Line Co. (Inc.)	211	2,298	1,798	927	613	282	75
Sinclair Pipe Line Co	6,878	85,001	1,062	23,613	11,795	10,024	9,401
South West Pennsylvania Pipe Lines	1,979	4,415	1,484	880	730	93	174
Standard Pipe Line Co. (Inc.)	1,903	29,208	33	12,070	4,483	6,691	6,725
Texas-Empire Pipe Line Co. (Oklahoma) [1]	475	8,545	5,951	580	256	278	350
Texas Pipe Line Co. of Texas	4,789	52,793	----	15,174	5,023	8,779	8,742
Texas Pipe Line Co. of Oklahoma	1,400	7,636	94	3,305	932	2,011	2,003
Tide-water Pipe Co. (Ltd.)	1,363	9,589	----	2,254	1,063	933	1,101

[1] Figures for operations cover the period Aug. 14 to Dec. 31, 1929.

Source: Interstate Commerce Commission.

No. 799.—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 C. Pogue. The weighted average prices are computed from five principal grades of crude oil at wells, from five markets each for kerosene and gasoline from tank wagon, from five refining locations for fuel oil, and for five grades of lubricating oil

Year	Crude	Gasoline	Kerosene	Fuel oil	Lubricating oil	Month, 1930	Crude	Gasoline	Kerosene	Fuel oil	Lubricating oil
	Dolls.	*Cents*	*Cents*	*Dolls.*	*Cents*		*Dolls.*	*Cents*	*Cents*	*Dolls.*	*Cents*
1918	2.22	21.7	10.2	2.01	30.9	January	1.58	12.8	13.1	0.919	23.6
1919	2.25	22.2	12.7	1.59	32.2	February	1.49	12.0	12.6	.878	23.6
1920	3.44	26.5	17.1	2.79	49.0	March	1.41	11.5	12.4	.838	23.6
1921	1.86	22.3	12.9	1.30	27.6	April	1.45	12.0	12.4	.826	23.6
1922	1.78	21.7	12.4	1.24	20.4	May	1.42	12.3	12.4	.813	23.6
1923	1.71	17.5	12.8	1.20	19.4	June	1.40	11.9	12.4	.761	23.6
1924	1.84	15.9	12.7	1.35	23.0	July	1.36	12.6	12.4	.701	23.6
1925	1.96	16.6	12.3	1.46	26.1	August	1.37	12.2	12.4	.721	22.3
1926	2.03	17.3	14.7	1.47	26.1	September	1.43	11.4	12.0	.761	22.3
1927	1.55	15.0	12.9	1.14	25.3	October	1.40	10.5	11.2	.749	22.3
1928	1.54	14.7	12.9	.91	24.3	November	1.18	10.5	11.1	.709	22.3
1929	1.67	13.9	13.4	.89	25.3	December	1.17	10.4	11.1	.684	22.3
1930	1.39	11.7	12.1	.78	23.1						

No. 800.—PORTLAND CEMENT: PRODUCTION, SHIPMENTS, EXPORTS, 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 801.)

State	1910	1915	1920	1925	1927	1928	1929	1930
	Thousands of barrels of 376 pounds							
Production, total	76, 550	85, 915	100, 023	161, 659	173, 207	176, 299	170, 648	161, 197
Alabama	[1] 1, 481	([2])	1, 132	6, 288	7, 565	6, 749	5, 006	4, 821
California	[3] 6, 386	4, 503	7, 098	13, 098	14, 581	13, 556	13, 092	10, 124
Illinois	4, 459	5, 157	5, 539	7, 101	7, 017	7, 335	8, 243	7, 935
Iowa	[4] 2, 010	4, 560	4, 849	4, 648	5, 415	7, 070	6, 373	7, 088
Kansas	5, 656	3, 580	4, 341	6, 511	6, 180	6, 574	6, 740	6, 012
Michigan	3, 688	4, 765	4, 891	10, 936	13, 965	13, 849	13, 749	11, 511
Missouri	4, 456	4, 627	6, 018	8, 332	6, 778	7, 881	8, 113	7, 809
New York	3, 296	5, 044	5, 885	8, 770	10, 775	10, 960	10, 761	10, 373
Ohio	1, 528	1, 949	1, 780	5, 715	8, 854	9, 233	9, 427	8, 632
Pennsylvania	26, 076	28, 649	28, 269	42, 347	43, 732	41, 522	39, 365	37, 844
Tennessee	([2])	([2])	([2])	([2])	4, 430	4, 690	4, 442	3, 875
Texas	[5] 2, 287	1, 939	2, 562	4, 858	5, 056	6, 346	7, 374	6, 782
Other States	14, 627	21, 142	27, 650	43, 055	38, 258	40, 534	37, 971	38, 393
Shipments	([6])	86, 892	96, 312	157, 295	171, 865	175, 838	169, 863	159, 059
Imports	307	42	525	3, 667	2, 066	2, 302	1, 745	986
Stocks, end of year	([6])	11, 463	8, 833	18, 336	22, 457	22, 760	23, 701	25, 838

[1] Includes Georgia and Tennessee.
[2] Included in other States.
[3] California includes Washington.
[4] Includes Kentucky and West Virginia.
[5] Includes Oklahoma.
[6] Not available.

No. 801.—PORTLAND CEMENT: SHIPMENTS BY DESTINATIONS

[In thousands of barrels of 376 pounds]

State	1927	1928	1929	1930	State	1927	1928	1929	1930
Shipped from cement plants	171, 865	175, 838	169, 863	159, 059	Shipments to States—Con.				
Shipments to States	170, 737	174, 681	168, 754	158, 030	South Atlantic—Continued.				
New England	6, 942	7, 604	7, 733	7, 528	West Virginia	1, 562	1, 361	1, 415	1, 599
Maine	506	522	600	836	North Carolina	3, 213	2, 402	1, 753	1, 165
New Hampshire	460	515	666	560	South Carolina	986	1, 508	1, 190	1, 655
Vermont	393	606	929	582	Georgia	1, 905	1, 743	1, 423	1, 562
Massachusetts	2, 820	2, 916	2, 908	3, 091	Florida	2, 483	1, 326	1, 176	1, 057
Rhode Island	701	761	721	705	East South Central	7, 463	8, 518	7, 498	5, 999
Connecticut	2, 062	2, 284	1, 909	1, 754	Kentucky	1, 954	1, 740	1, 576	1, 695
Middle Atlantic	45, 259	43, 758	42, 190	40, 479	Tennessee	2, 263	2, 699	2, 935	2, 411
New York	23, 003	22, 325	21, 040	20, 147	Alabama	2, 265	2, 950	1, 958	1, 274
New Jersey	8, 419	8, 437	8, 015	6, 536	Mississippi	981	1, 129	1, 029	620
Pennsylvania	13, 837	12, 996	13, 135	13, 796	West South Central	10, 904	11, 847	14, 149	14, 166
East North Central	48, 043	51, 156	46, 404	39, 391	Arkansas	855	1, 251	1, 556	1, 459
Ohio	10, 342	11, 018	10, 033	9, 699	Louisiana	1, 491	1, 276	1, 657	2, 892
Indiana	5, 739	5, 297	5, 675	4, 928	Oklahoma	3, 120	3, 126	3, 352	3, 397
Illinois	14, 833	17, 683	13, 491	11, 164	Texas	5, 438	6, 194	7, 584	6, 418
Michigan	11, 576	11, 776	11, 687	8, 626	Mountain	3, 159	3, 659	3, 495	2, 979
Wisconsin	5, 553	5, 382	5, 518	4, 975	Montana	308	461	552	319
West North Central	15, 890	17, 609	19, 347	21, 178	Idaho	311	295	261	312
Minnesota	3, 380	3, 055	3, 213	3, 669	Wyoming	181	198	193	179
Iowa	3, 708	5, 349	5, 463	6, 412	Colorado	1, 002	1, 065	892	844
Missouri	4, 207	4, 719	5, 621	6, 145	New Mexico	279	333	286	208
North Dakota	303	455	445	338	Arizona	562	693	657	463
South Dakota	410	491	530	541	Utah	428	508	521	417
Nebraska	1, 360	1, 196	1, 470	1, 676	Nevada	87	106	133	147
Kansas	2, 432	2, 341	2, 605	2, 398	Pacific	17, 102	16, 685	15, 297	13, 599
South Atlantic	15, 925	13, 818	12, 641	12, 693	Washington	2, 574	2, 974	2, 478	3, 102
Delaware	343	349	365	374	Oregon	1, 399	1, 257	1, 017	1, 070
Maryland	2, 652	2, 243	2, 426	2, 555	California	13, 129	12, 454	11, 802	9, 427
District of Columbia	982	890	1, 127	1, 079	Unspecified	52	30	----	16
Virginia	1, 799	1, 993	1, 765	1, 648	Exports direct by manufacturers [1]	1, 128	1, 158	1, 114	1, 030

[1] Includes shipments to Alaska, Hawaii, and Porto Rico.

Source of Tables 800 and 801: Bureau of Mines, Department of Commerce.

No. 802.—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	1917	93,454	92,814	639	126,106
1895	8,731	990	7,741	5,482	1918	71,515	71,082	433	114,132
1900	17,231	8,482	8,749	13,284	1919	81,307	80,778	529	138,714
1905	40,102	35,247	4,855	35,932	1920	100,791	100,023	767	203,198
1906	51,000	46,463	4,537	55,302	1921	99,381	98,842	539	187,708
1907	52,230	48,785	3,445	55,904	1922	115,679	114,790	889	203,324
1908	52,911	51,073	1,838	44,478	1923	138,732	137,460	1,272	263,122
1909	66,690	64,991	1,698	53,611	1924	150,777	149,358	1,418	272,345
1910	77,785	76,550	1,235	68,752	1925	163 388	161,659	1,729	[1] 281,076
1911	79,548	78,529	1,019	66,705	1926	166,635	164,530	2,105	[1] 280,786
1912	83,351	82,438	913	67,462	1927	175,330	173,207	2,124	[1] 281,736
1913	92,949	92,097	852	93,001	1928	178,509	176,299	2,210	[1] 278,883
1914	89,050	88,230	820	82,204	1929	172,855	170,646	2,209	[1] 255,105
1915	86,708	85,915	794	74,285	1930	163,989	161,197	1,792	[1] 231,189
1916	92,363	91,521	842	101,379					

[1] Value of shipments.

Source: Bureau of Mines, Department of Commerce.

No. 803.—STONE: PRODUCTION (SALES), BY VARIETIES AND USES

Variety and use	Quantity sold, thousands of short tons (2,000 pounds)[1]							Value 1,000 dollars	
	1924	1925	1926	1927	1928	1929	1930	1929	1930
Total	103,184	115,851	124,496	136,345	133,870	141,110	127,000	302,693	176,832
Granite	6,884	8,074	9,330	10,707	9,550	10,827	10,042	34,225	30,404
Basalt and related rocks	11,072	11,842	12,978	13,211	15,328	14,872	14,535	18,946	17,057
Sandstone	3,895	4,499	4,979	5,051	4,717	5,790	4,585	11,024	10,220
Marble	516	554	563	600	579	554	476	16,545	12,906
Limestone	75,894	85,649	91,888	99,662	96,865	100,087	88,759	113,906	99,970
All other	4,324	5,242	4,759	7,115	6,825	8,380	8,603	8,046	8,275
Building stone	2,212	2,392	2,609	2,485	2,453	2,647	2,315	43,905	39,092
Monumental	394	363	360	358	348	366	289	15,848	13,159
Paving blocks	376	381	66	367	349	309	295	2,943	2,670
Curbing	296	393	346	378	383	336	257	3,844	3,130
Flagging	60	56	66	55	75	83	80	667	751
Rubble	865	1,197	540	809	908	908	1,067	1,325	922
Riprap	3,265	3,079	4,060	4,618	3,993	4,213	4,270	5,031	4,660
Crushed stone	68,198	75,673	82,516	94,949	91,265	92,721	87,100	94,388	87,520
Furnace flux (limestone and marble)	19,690	22,861	23,859	21,666	23,124	24,394	17,108	18,035	12,382
Refractory stone	1,094	1,261	1,531	1,363	1,348	1,558	1,221	1,807	1,407
Manufacturing industries (limestone and marble)	4,734	5,172	4,954	5,352	5,640	7,431	12,997	6,361	13,140
Agricultural limestone and other	2,000	3,023	3,239	3,944	3,983	6,147		8,539	

[1] 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 1930: Building stone, 30,100,000 cubic feet; monumental stone, 3,520,000 cubic feet; paving blocks, 31,586,000; curbing, 3,297,000 cubic feet; and flagging, 1,118,000 cubic feet.

Source: Bureau of Mines, Department of Commerce.

No. 804.—CLAY AND GLASS PRODUCTS: PRODUCTION

Industry and product	Unit	Quantity (thousands of unit specified)			Value (thousands of dollars)		
		1925	1927	1929	1925	1927	1929
BRICK, TILE, AND TERRA COTTA, FIRE-CLAY, AND OTHER CLAY PRODUCTS, AND NONCLAY REFRACTORIES [1]							
All products, total value					335,670	320,201	295,587
Brick:							
Common	Number	7,561,501	7,060,984	5,505,359	88,551	78,408	58,733
Vitrified	do	539,101	503,400	367,650	11,876	10,764	7,504
Face	do	2,474,690	2,412,903	2,139,408	45,428	41,521	36,120
Enameled	do	16,931	18,097	17,137	1,508	1,375	1,259
Drain tile	Ton [2]	661	734	859	4,960	5,511	6,516
Sewer pipe	do	2,139	2,116	1,675	30,421	29,426	21,330
Architectural terra cotta	do	152	156	134	19,139	16,628	13,921
Hollow building tile or block	do	4,225	4,114	4,164	29,284	26,499	30,142
Tile (not drain):							
Roofing	Squares	290	368	371	5,155	5,349	3,944
Floor (including plain, vitreous, encaustic, quarry, etc.)	Sq. ft	19,244	20,434	15,887	4,361	4,586	3,773
Ceramic mosaic (vitreous and semivitreous)	do	20,331	20,506	18,052	4,092	4,552	3,738
Faience (including art, enameled, and hand-decorated)	do	4,916	10,157	19,357	3,295	5,776	10,136
Wall (thin, white glazed, etc.)	do	30,366	39,537	30,443	10,220	12,503	11,254
Stove lining	Ton [2]	26	14	17	656	503	468
Fire brick [3]	Number	995,079	[4] 877,748	[4] 962,120	41,164	[4] 38,174	[4] 42,376
All other clay products					14,905	14,587	14,068
Silica brick	Number	235,877	245,881	294,402	11,280	12,757	15,165
Other nonclay refractories					9,085	10,791	14,041
All other products					310	491	1,099
POTTERY [1]							
All products, total value					112,019	111,614	112,208
Red earthenware (flower pots, etc.)		(5)	(5)	(5)	2,632	2,850	2,708
Stoneware (except chemical) and yellow and Rockingham ware		(5)	(5)	(5)	4,349	4,503	4,144
White ware, cream color, white granite, semiporcelain, and semivitreous porcelain		(5)	(5)	(5)	32,816	32,692	32,067
Porcelain china, bone china, delft, and Belleek ware		(5)	(5)	(5)	967	(6)	(6)
Hotel china		(5)	(5)	(5)	9,867	10,020	10,476
Vitreous china, plumbing fixtures		(5)	(5)	(5)	25,036	23,628	24,992
Porcelain electrical supplies		(5)	(5)	(5)	21,827	22,861	22,136
Saggers		(5)	(5)	(5)	1,764	1,916	1,308
All other products					12,761	14,144	14,287
GLASS [7]							
All products, total value					295,959	283,028	303,819
Building glass					107,962	80,972	
Window glass	Sq. ft	567,151	481,021	402,559	37,525	26,814	25,962
Obscured glass, including cathedral and skylight	do	53,951	41,545	34,294	6,916	5,093	5,256
Plate glass, total cast	do						
Polished	do	117,369	118,124	148,743	57,207	44,258	50,192
Rough, for sale as such	do	4,215	3,081	(5)	504	430	(5)
Wire glass—							
Polished	do	4,165	3,320	3,893	2,264	1,631	1,714
Rough, for sale as such	do	28,743	25,795	38,924	3,546	2,746	4,278
All other building glass					(6)	(6)	(6)
Pressed and blown glass [8]					72,086	76,657	85,552
Bottles and jars [9]					100,301	114,381	121,654
All other products					15,610	11,018	9,211

[1] From reports of Bureau of Mines, Department of Commerce.
[2] Of 2,000 pounds.
[3] Clay brick, including refractory block or tile, boiler and locomotive tile (9-inch equivalent); special shapes; and high alumina brick.
[4] Quantities cover only brick, block, tile, etc. (9-inch equivalent), but the values cover in addition the values of 133,000 tons for 1927 and 182,280 tons for 1929 of special shapes.
[5] No data.
[6] Not shown separately. Included in "All other products."
[7] In addition considerable quantities of electric-light shades, globes, etc., were made in 1914 by establishments engaged primarily in the manufacture of electrical goods.
[8] Including jelly glasses, tumblers, and goblets, but not including bottles, etc.
[9] Including demijohns and carboys.

Source: Bureau of the Census, Department of Commerce.

No. 805.—PRODUCTION OF PRINCIPAL BURNED-CLAY BUILDING MATERIALS

Year	Brick (millions)			Value (thousands of dollars)							
				Brick			Architectural terra cotta	Hollow building tile	Tile (not drain)	Sewer pipe	Fire brick
	Common	Vitrified [1]	Face	Common	Vitrified [1]	Face					
1914	7,147	931	810	43,770	12,501	9,290	6,088	8,385	5,706	14,015	13,476
1915	6,851	953	856	42,145	12,231	9,536	4,796	7,801	5,186	11,259	15,800
1916	7,394	942	1,003	49,357	12,237	11,465	6,466	9,943	6,475	13,577	24,437
1917	5,865	707	758	47,936	10,665	10,391	6,174	13,255	6,821	17,307	42,502
1918	3,557	403	356	38,782	7,145	6,095	2,669	13,037	5,082	15,334	51,648
1919	4,752	489	791	63,585	11,615	16,033	3,988	17,965	8,137	16,755	38,016
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	67,096	12,870	18,128	9,068	14,841	12,660	22,155	24,832
1922	5,899	517	1,417	72,613	10,816	28,234	12,410	19,708	10,697	23,600	31,357
1923	7,282	699	1,931	94,473	15,570	38,892	16,486	28,275	23,804	29,103	46,677
1924	7,159	554	2,030	86,692	12,974	39,931	16,446	24,998	24,842	32,400	40,921
1925	7,562	539	2,475	88,551	11,876	45,428	19,139	29,264	27,124	30,421	41,164
1926	7,517	468	2,440	88,227	10,285	44,516	19,667	27,818	34,985	29,303	42,707
1927	7,061	503	2,413	78,408	10,764	41,521	16,628	26,499	32,706	29,426	38,174
1928	6,413	378	2,412	69,333	7,800	40,034	13,642	25,792	31,523	23,909	37,392
1929	5,505	368	2,139	58,733	7,504	36,120	13,921	30,142	32,846	21,330	42,376

[1] Vitrified brick or block.

Sources: Bureau of the Census and Bureau of Mines, Department of Commerce.

No. 806.—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 Porto Rico

Year	Production	Exports	Imports	Year	Production	Exports	Imports
1880	834,548	1,642	509,703	1920	6,840,029	139,272	137,654
1885	985,411	2,108	440,290	1921	4,981,154	109,563	93,095
1890	1,242,779	2,464	257,323	1922	6,792,349	134,989	113,922
1895	1,913,751	3,602	279,576	1923	7,130,713	125,529	88,750
1900	2,921,708	7,511	199,909	1924	6,803,115	144,945	88,938
1905	3,635,257	34,238	161,169	1925	7,397,500	155,079	85,788
1910	4,242,792	49,013	137,103	1926	7,371,600	158,908	55,964
1915	5,352,409	80,474	122,326	1927	7,568,590	153,832	44,968
1917	6,978,177	113,993	64,922	1928	8,074,760	145,396	42,856
1918	7,238,744	136,783	40,290	1929	8,543,560	109,222	30,450
1919	6,882,902	119,416	59,514	1930	8,054,440	70,478	54,021

State or kind	1900	1910	1915	1920	1925	1929	1930
Production, total	2,921,708	4,242,792	5,352,409	6,480,029	7,397,500	8,543,560	8,054,440
By States:							
Michigan	1,009,487	1,323,283	1,762,430	2,262,915	2,172,600	2,650,220	2,558,290
New York	1,105,590	[1] 1,570,446	1,570,446	1,903,101	2,053,970	2,194,590	2,009,280
Ohio	199,540	514,339	823,234	1,057,802	1,173,590	1,449,360	1,311,440
Kansas	312,743	393,603	527,123	783,655	812,540	840,370	759,900
Louisiana	----------	(1)	(2)	265,085	500,350	525,840	535,250
California	87,060	131,252	146,784	212,008	292,480	410,300	350,370
Utah	34,878	34,997	55,279	75,259	88,150	84,940	86,240
West Virginia	34,142	21,788	32,513	29,802	25,870	20,290	28,670
Undistributed	138,268	193,596	434,600	250,402	277,950	367,650	416,100
By kinds:							
Manufactured (evaporated)	1,725,394	1,953,069	2,335,823	2,409,924	2,235,170	2,548,390	2,358,610
In brine	779,949	1,314,492	1,851,199	2,819,916	2,819,690	3,384,160	3,718,460
Rock salt	416,365	975,231	1,165,387	1,610,189	2,342,640	2,113,010	1,977,370
Total value (dollars)	6,944,603	7,900,344	11,747,086	29,284,075	26,182,361	27,334,695	25,009,480

[1] Louisiana is included with New York. [2] Included in "Undistributed."

Source: Bureau of Mines, Department of Commerce.

No. 807.—ACCIDENT RATES IN ALL BRANCHES OF THE MINERAL INDUSTRY, 1921 TO 1929, AND IN THE SEVERAL BRANCHES, 1929

Branch of mineral industry	Average days active	Men employed		Man shifts	Number killed	Number injured	Number killed or injured per thousand 300-day workers	
		Actual number	Equivalent in 300-day workers				Killed	Injured
1921	188	1,044,001	653,414	196,024,209	2,381	35,416	3.6	[1] 198.0
1922	174	1,092,863	635,299	190,589,710	2,529	46,307	4.0	[1] 201.1
1923	222	1,153,894	852,145	255,643,525	3,071	59,570	3.6	[1] 203.9
1924	220	1,073,630	787,065	236,119,757	3,031	57,766	3.9	[1] 201.1
1925	222	1,049,579	777,396	233,368,875	2,826	58,704	3.6	[1] 197.2
1926	242	1,058,843	856,632	256,689,813	3,201	52,752	3.7	[1] 178.1
1927	225	1,044,537	782,635	234,790,290	2,797	45,618	3.6	[1] 163.2
1928	231	951,449	735,728	220,118,341	2,629	38,717	3.6	[1] 146.1
1929	243	928,648	752,809	225,842,583	2,728	38,806	3.6	[1] 143.1
1929								
Coal mines	221	654,494	481,545	144,463,453	2,187	[2]	4.5	[2]
All metal mines [3]	292	118,735	115,394	34,618,120	350	23,092	3.0	200.1
Copper mines	323	37,147	39,940	11,983,712	121	8,941	3.0	223.8
Gold, silver, and miscellaneous metal mines	252	30,861	28,995	8,698,445	106	7,810	3.7	269.4
Iron mines	285	28,219	26,837	8,050,978	80	2,404	3.0	89.6
Lead and zinc mines (Mississippi Valley)	245	11,177	9,119	2,735,787	19	2,173	2.1	238.3
Nonmetallic mineral mines	278	11,331	10,497	3,149,198	24	1,764	2.3	168.1
All quarries (including outside works)	268	85,561	76,559	22,967,579	126	9,810	1.7	128.1
Cement-rock quarries	315	20,687	21,710	6,512,989	26	944	1.2	43.5
Granite quarries	248	11,195	9,246	2,773,671	23	1,515	2.5	163.9
Limestone quarries	257	36,134	30,999	9,299,617	58	5,315	1.9	171.5
Marble quarries	287	6,058	6,369	1,910,834	5	609	.8	95.6
Sandstone and bluestone quarries	204	3,736	2,541	762,215	1	343	4	135.0
Slate quarries	253	3,552	2,990	897,039	2	492	.7	164.6
Trap-rock quarries	225	3,599	2,704	811,214	11	592	4.1	218.9
All quarries (excluding outside works)	246	43,693	35,790	10,736,883	78	6,173	2.2	172.5
All quarries (outside works only)	292	41,868	40,769	12,230,696	48	3,637	1.2	89.2
Metallurgical plants	339	47,399	53,587	16,076,125	43	4,575	.8	85.4
Ore-dressing plants	312	13,721	14,266	4,279,639	17	1,460	1.2	102.3
Smelters	358	18,603	22,222	6,666,668	19	1,679	.9	75.6
Auxiliary works	340	15,075	17,099	5,129,818	7	1,436	.4	84.0
All coke ovens	344	22,459	25,724	7,717,306	22	1,329	.9	51.7
Beehive coke ovens	231	3,335	2,568	770,459	3	212	1.2	82.6
By-product coke ovens	363	19,124	23,156	6,946,847	19	1,117	.8	48.2

[1] Excluding coal mines.
[2] Not available.
[3] Includes mines producing nonmetallic minerals other than coal.

No. 808.—FATAL ACCIDENTS IN MINERAL INDUSTRIES: BY CAUSES

Class of plants and cause	1923	1924	1925	1926	1927	1928	1929	1930
Coal mines	2,462	2,402	2,234	2,518	2,231	2,176	2,187	2,014
Falls of roof (coal, rock, etc.)	1,058	941	977	1,093	1,015	918	990	895
Falls of face or pillar coal	109	121	103	121	134	150	192	172
Mine cars and locomotives	449	404	385	463	386	385	441	325
Explosions of gas or coal dust	372	536	345	422	247	376	195	275
Explosives [1]	115	99	102	96	110	74	88	78
Electricity (shock or burns)	83	96	100	112	114	93	94	89
Mining machines and machinery	49	38	44	35	38	39	41	36
Mine fires (burned, suffocated, etc.)	-------	2	10	1	4	1	1	5
Shaft fatalities	46	29	34	35	29	25	29	18
Railway cars and locomotives	24	20	16	20	15	17	13	13
Other causes	157	116	118	120	139	98	103	108

[1] Includes premature blasts, explosion of misfires, suffocation by gas from explosives, flying pieces from blasts, etc.

No. 808.—Fatal Accidents in Mineral Industries: By Causes—Contd.

Class of plants and cause	1923	1924	1925	1926	1927	1928	1929	1930
Metal mines[1]	367	418	371	430	352	273	350	(2)
Falls or slides of rock or ore	111	131	110	126	103	88	123	-------
Rock or ore (underground loading)	2	8	4	6	6	8	7	-------
Explosives	42	52	52	49	37	21	38	-------
Haulage	62	58	56	39	41	32	45	-------
Falls of persons	50	44	45	49	53	34	41	-------
Run or fall of ore (chute, pocket, or bins)	6	4	8	9	6	7	5	-------
Machinery, other than locomotives	11	9	7	5	14	8	8	-------
Electricity	12	13	20	21	10	10	8	-------
Mine fires and suffocation from natural gases	7	7	7	5	17	4	11	-------
Shaft fatalities, other than falls of persons	31	16	24	26	31	31	30	-------
Other causes	33	78	32	95	34	30	34	-------
Quarries	143	138	142	154	135	119	126	(2)
Falls or slides of rock or overburden	31	26	34	32	38	29	19	-------
Explosives	12	16	20	23	18	9	17	-------
Haulage	28	23	22	23	19	16	23	-------
Falls of persons	16	16	15	9	12	19	12	-------
Machinery	21	20	26	20	19	19	20	-------
Drilling and channeling	-------	1	1	-------	1	2	2	-------
Other causes	35	36	31	47	28	25	33	-------
Smelting plants	17	16	19	20	22	18	19	-------
Ore-dressing plants	24	20	17	13	17	15	17	-------
Coke ovens	45	24	28	51	25	17	22	28

[1] Includes mines producing nonmetallic minerals other than coal. [2] Not yet available.

No. 809.—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	
	Actual number	Equivalent in 300-day workers		Temporary	Permanent
Metal mines:					
1915	152,118	141,997	553	34,086	609
1920	136,583	134,540	425	32,205	357
1921	93,920	74,510	230	18,424	180
1922	105,697	97,138	344	25,840	240
1923	123,279	121,866	367	33,129	434
1924	123,128	119,113	418	32,706	412
1925	126,713	123,908	371	34,458	674
1926	127,823	123,870	430	29,773	577
1927	119,699	113,447	352	24,605	528
1928	113,866	109,345	273	21,914	569
1929	118,735	115,394	350	22,615	477
Quarries:					
1915	100,740	82,447	148	9,148	523
1920	86,488	77,089	178	10,880	337
1921	77,185	59,958	120	10,126	330
1922	79,081	68,861	132	11,442	307
1923	92,455	85,153	143	14,547	443
1924	94,242	84,426	138	14,307	470
1925	91,872	83,487	149	13,713	452
1926	91,146	82,361	154	12,770	431
1927	91,517	82,609	135	13,094	365
1928	89,667	81,325	119	10,207	361
1929	85,561	76,559	126	9,510	300
Metallurgical plants:					
1916	80,201	88,596	83	14,863	217
1920	59,232	65,587	61	8,714	149
1921	33,430	30,549	27	4,456	38
1922	44,000	46,008	45	6,600	78
1923	53,871	59,499	58	8,260	164
1924	56,196	62,948	55	8,132	94
1925	58,935	66,220	44	7,480	231

Year	Number employed		Killed	Injured	
	Actual number	Equivalent in 300-day workers		Temporary	Permanent
Metallurgical Plants—Con.					
1926	57,720	65,687	48	7,052	227
1927	53,477	60,291	54	5,533	208
1928	45,695	52,568	44	4,473	181
1929	47,399	53,587	43	4,368	207
Coke ovens:					
1916	31,603	34,119	45	5,154	83
1920	28,139	29,021	49	3,336	79
1921	16,204	13,868	17	1,829	24
1922	19,278	18,236	29	1,674	36
1923	23,729	25,627	45	2,517	76
1924	20,451	20,681	24	1,607	38
1925	23,254	24,054	28	1,652	44
1926	23,115	24,288	51	1,874	48
1927	20,667	23,223	25	1,232	53
1928	19,390	21,710	17	979	33
1929	22,459	25,724	22	1,293	36
Coal mines:					
1911	728,348	534,122	2,656	(1)	(1)
1915	734,008	511,598	2,269	(1)	(1)
1919	776,569	542,217	2,323	(1)	(1)
1920	784,021	601,283	2,272	(1)	(1)
1921	823,253	474,529	1,995	(1)	(1)
1922	844,807	405,056	1,984	(1)	(1)
1923	862,536	560,000	2,462	(1)	(1)
1924	779,613	499,896	2,402	(1)	(1)
1925	748,805	480,227	2,234	(1)	(1)
1926	759,033	559,426	2,518	(1)	(1)
1927	759,177	503,065	2,231	(1)	(1)
1928	682,831	468,680	2,176	(1)	(1)
1929	654,494	481,545	2,187	(1)	(1)
1930	(1)	(1)	2,014	(1)	(1)

(1) Not available.

Source of Tables 808 and 809: Bureau of Mines, Department of Commerce.

32.—MANUFACTURES

[Data in this section relate to continental United States. 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 811 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 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 statistics for automobile repairing, collected for 1914 and 1919, have been excluded from Tables 810 and 812 to 814. Data for "Coffee and spice, roasting and grinding," have been included, except for 1925, for which year such data were not tabulated for the United States as a whole. Adjustments in previously published figures in the third section of Table 810 and in Tables 813 and 814 have been made by adding the statistics for the "Poultry killing and dressing" industry, except for 1927, for which year no data were collected. In Table 810, data for central-administrative-office employees have been excluded for 1923 and later years. The figures for 1914, 1919, and 1921, however, include such data.

Figures for wages, cost of materials, etc., and value of products are greatly affected by changes in the buying power of money or, in other words, by the general levels of prices and wages. 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.

No. 810.—MANUFACTURES: SUMMARY, 1849 TO 1929

	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	Horsepower	Salaries	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture
	In thousands				In millions of dollars				
Factories and hand and neighborhood industries:									
1849	123	[1]	957	[2]	[1]	237	555	1,019	464
1859	140	[1]	1,311	[2]	[1]	379	1,032	1,886	854
1869	252	[1]	2,054	2,346	[1]	620	1,991	3,386	1,395
1879	254	[1]	2,733	3,411	[1]	948	3,397	5,370	1,973
1889	355	[1]	4,252	5,939	[1]	1,891	5,162	9,372	4,210
1899	512	[1]	5,306	10,098	[1]	2,321	7,344	13,000	5,656
Factories, excluding hand and neighborhood industries and establishments with products valued at less than $500:									
1899	208	364	4,713	[3]	381	2,008	6,576	11,407	4,831
1904	216	520	5,408	13,488	574	2,610	8,500	14,794	6,294
1909	268	790	6,615	18,675	939	3,427	12,143	20,672	8,529
1914	273	963	7,024	22,421	1,274	4,068	14,369	24,217	9,858
Factories, excluding establishments with products valued at less than $5,000:									
1914	177	[4] 963	6,896	[4] 22,291	[4] 1,274	[4] 4,068	14,278	23,988	9,710
1919	214	[4] 1,438	9,000	[4] 29,328	[4] 2,881	[4] 10,462	37,233	62,042	24,809
1921	196	1,146	6,947	.....	2,565	8,202	25,321	43,053	18,332
1923	196	1,269	8,778	33,094	2,806	11,009	34,706	60,556	25,850
1925	187	1,256	8,384	35,773	2,922	10,730	35,936	62,714	26,778
1927	192	1,301	8,350	38,826	3,230	10,849	35,133	62,718	27,585
1929	211	[5]	8,836	43,079	[5]	11,684	38,620	70,420	31,900

[1] No comparable data.
[2] Not called for on schedule.
[3] Data approximately the same as given for factories and hand and neighborhood industries, as the amount of horsepower used in the latter is small.
[4] 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.
[5] Not yet available.

Source: Bureau of the Census, Department of Commerce.

No. 811.—MANUFACTURES: ESTABLISHMENTS, CLASSIFIED BY VALUE OF PRODUCTS [1]

NOTE.—See general note, p. 813. Data by size of establishments were not compiled for 1927 but will be available for 1929 at a later date

Class of establishments according to value of products	Establishments		Wage earners		Value of products	
	Number	Per cent distribution	Average number	Per cent distribution	Amount	Per cent distribution
Less than $5,000:						
1925	(2)		(2)		(2)	
1923	(2)		(2)		(2)	
1921	[3] 53,999		[3] 40,924	0.6	[3] $136,926,075	0.3
1919	65,485		45,813	.5	167,035,044	.3
1914	97,060		129,623	1.8	233,381,081	1.0
$5,000 and over:						
1925	187,390	100.0	8,384,261	100.0	62,713,713,730	100.0
1923	196,309	100.0	8,778,156	100.0	60,555,998,200	100.0
1921	196,267	100.0	6,946,570	99.4	43,053,282,833	99.7
1919	224,620	100.0	9,050,559	99.5	62,250,993,729	99.7
1914	178,731	100.0	6,906,624	98.2	24,013,053,643	99.0
$5,000 to $20,000:						
1925	55,870	29.8	156,373	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	224,852	3.2	782,977,433	1.8
1919	87,440	38.9	249,722	2.7	945,602,857	1.5
1914	87,931	49.2	420,037	6.1	905,693,168	3.7
$20,000 to $100,000:						
1925	68,951	36.8	660,309	7.9	3,272,196,872	5.2
1923	72,370	36.9	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	77,911	34.7	793,528	8.7	3,571,283,301	5.7
1914	56,814	31.8	990,510	14.2	2,550,229,411	10.5
$100,000 to $500,000:						
1925	42,209	22.5	1,675,911	20.0	9,576,090,022	15.3
1923	42,075	21.4	1,721,266	19.6	9,496,592,808	15.7
1921	38,027	19.4	1,629,573	23.3	8,405,758,540	19.2
1919	39,647	17.7	1,719,982	18.9	8,965,872,131	14.4
1914	25,847	14.5	[4] 3,002,071	[4] 42.7	5,742,376,392	23.7
$500,000 to $1,000,000:						
1925	9,771	5.2	1,131,439	13.5	6,870,112,293	11.0
1923	9,556	4.9	1,134,897	12.9	6,752,818,172	11.1
1921	7,581	3.9	966,559	13.8	5,296,720,583	12.1
1919	9,208	4.1	1,114,615	12.3	6,467,131,823	10.4
1914	4,320	2.4	(4)	(4)	3,020,693,743	12.5
$1,000,000 and over:						
1925	10,583	5.6	4,760,229	56.8	42,366,941,140	67.6
1923	10,327	5.2	5,013,509	57.1	40,182,156,874	66.4
1921	7,333	3.7	3,379,562	48.4	25,837,475,868	59.0
1919	10,414	4.6	5,172,712	56.9	42,301,103,617	67.8
1914	3,819	2.1	2,476,006	35.2	11,794,060,929	48.6

[1] To make the percentages for the number of establishments comparable, those for all 5 years have been based on the number of establishments reporting products valued at $5,000 or more. The percentages for wage earners and value of products, however, have not been similarly adjusted, the comparability of these percentages having been affected very slightly by the omission of small establishments in 1923 and 1925.

[2] No data for establishments with products under $5,000 in value have been tabulated for 1923 and 1925.

[3] The data for the 53,999 establishments in the "Less than $5,000" class are not included in other tables showing statistics for 1921.

[4] Data for $500,000 to $1,000,000 class and $100,000 to $500,000 class combined.

Source: Bureau of the Census, Department of Commerce.

No. 812.—MANUFACTURES: PRIME MOVERS, MOTORS, AND GENERATORS, NUMBER AND RATED CAPACITY

NOTE.—"Total rated capacity" includes rented electric power, but not other rented power. No data for prime movers were collected for 1921; data for 1929 not yet available. Data for "Automobile repairing" and "Poultry killing and dressing" are excluded for all years. Data for "Coffee and spice, roasting and grinding" are included, except for 1925

Year, division, and industry group	Establishments reporting power equipment	Prime movers: Total rated capacity (horsepower)	Prime movers: Steam engines and turbines: Number	Prime movers: Steam engines and turbines: Horsepower	Prime movers: Internal-combustion engines: Number	Prime movers: Internal-combustion engines: Horsepower	Prime movers: Water wheels and water turbines [1]: Number	Prime movers: Water wheels and water turbines [1]: Horsepower	Prime movers: Electric motors driven by purchased current: Number	Prime movers: Electric motors driven by purchased current: Horsepower	Electric motors driven by current generated in establishments reporting: Number	Electric motors driven by current generated in establishments reporting: Horsepower	Electric generators: Number	Electric generators: Kilowatts
United States:														
1927	174,118	38,825,681	73,382	16,923,931	12,664	1,170,774	7,594	1,598,666	2,151,675	19,132,310	790,810	11,219,979	19,028	7,345,685
1925	167,533	35,766,944	82,152	16,915,740	14,354	1,185,738	8,393	1,800,823	1,723,539	15,864,638	772,411	10,254,658	23,630	6,886,814
1923	173,415	33,092,222	90,041	16,700,442	15,718	1,224,172	9,293	1,803,310	1,425,492	13,364,298	616,387	8,821,403	(2)	(2)
1919 [3]	222,942	29,323,653	122,472	17,034,259	30,470	1,241,722	13,980	1,765,131	976,278	9,282,541	486,805	6,963,950	(2)	(2)
1927														
New England	16,396	4,566,155	6,480	1,788,876	644	25,373	2,778	761,858	245,279	1,990,048	128,102	1,257,359	2,739	1,007,732
Middle Atlantic	55,359	10,968,754	18,383	5,009,700	2,863	335,039	1,753	280,722	646,309	5,343,293	261,959	3,404,515	5,561	1,968,578
East North Central	39,081	11,056,846	17,208	4,941,504	2,639	305,407	1,083	226,204	617,071	5,493,731	244,560	3,975,818	5,203	2,442,419
West North Central	15,015	2,033,074	4,867	780,491	1,119	74,979	234	83,670	126,514	1,093,934	97,838	505,978	1,191	365,488
South Atlantic	15,462	3,805,038	9,838	1,554,492	1,943	160,606	1,184	153,987	207,386	1,935,953	55,864	857,516	1,534	670,652
East South Central	7,219	1,787,386	5,508	896,232	1,257	39,349	172	10,427	88,466	841,378	16,604	258,535	722	232,191
West South Central	7,672	1,419,558	5,254	798,629	1,195	92,071	110	4,510	52,309	524,348	14,138	330,708	964	227,388
Mountain	3,573	829,256	1,742	424,312	323	15,456	84	6,080	27,504	383,408	8,504	210,202	440	141,847
Pacific	13,741	2,359,614	4,102	726,695	681	32,494	196	71,208	140,747	1,526,217	23,101	418,788	584	239,390
Food and kindred products	46,564	4,134,973	14,367	1,469,756	3,959	185,969	1,861	104,373	277,779	2,354,875	65,441	632,279	3,062	474,371
Textiles and their products	24,873	4,173,438	4,486	1,796,153	261	15,056	2,148	427,563	415,648	1,934,666	149,844	1,055,750	2,720	1,005,723
Forest products	18,830	3,321,755	17,178	2,178,696	2,363	58,528	561	36,944	127,259	1,049,487	66,931	829,405	2,290	611,817
Paper and paper products	2,935	2,814,795	3,624	1,108,636	83	7,075	1,995	901,483	55,392	797,601	42,365	1,003,050	1,466	716,230
Printing, publishing, and allied industries	22,078	568,427	207	39,452	438	4,322	4	180	222,879	524,473	8,299	31,783	215	25,043
Chemicals and allied products	6,234	1,848,309	4,020	847,592	513	30,513	88	29,722	77,249	940,482	39,906	427,139	1,237	379,665
Products of petroleum and coal	1,301	1,513,314	9,217	1,009,562	579	68,067	2	216	18,535	435,469	18,649	504,264	487	289,768
Rubber products	495	790,622	388	269,152	9	337	23	3,415	27,507	517,718	13,888	206,362	182	165,618
Leather and its manufactures	3,958	419,591	1,123	208,939	72	4,243	39	3,912	43,565	202,497	20,488	134,103	554	114,978
Stone, clay, and glass products	7,996	2,709,131	3,556	954,945	1,702	101,450	148	29,637	76,313	1,623,099	27,846	730,171	1,124	523,481
Iron, steel, and products, excl. machinery	6,189	8,323,037	6,290	4,618,552	592	587,453	167	16,120	172,410	3,100,912	123,512	3,605,699	1,776	1,668,703
Nonferrous metals and their products	5,254	1,219,598	852	423,268	189	7,531	68	7,549	66,903	781,250	20,719	293,712	469	232,847
Machinery, excl. transportation equipment	11,758	3,009,265	2,392	747,475	981	59,250	346	20,354	270,484	2,182,186	112,038	865,413	1,510	502,631
Transportation equipment—air, land, water	2,484	2,027,686	1,410	555,038	322	18,901	25	9,297	152,365	1,446,450	38,550	473,944	662	351,015
Railroad repair shops	2,016	1,110,821	2,067	429,091	145	6,525	4	482	44,314	674,723	18,044	264,289	729	172,310
Miscellaneous	11,153	840,919	1,605	247,624	456	19,454	115	7,419	103,068	566,422	24,290	157,616	545	111,485

[1] Data for a small number of water motors included for 1919, but not for 1923, 1925, or 1927.

[2] Not called for on schedule.

[3] Includes data for establishments with products valued at less than $5,000. Statistics for 1923, 1925, and 1927 refer only to establishments with products valued at $5,000 or more.

Source: Bureau of the Census, Department of Commerce.

No. 813.—SUMMARY BY 16 GENERAL GROUPS OF INDUSTRIES

NOTE.—See general note, p. 813. Due to changes in the classification of a number of the industries the figures for a few of the groups differ from those previously published

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	Horsepower
				In thousands of dollars				
All industries	1929	210, 952	8, 836, 403	11, 684, 476	38, 519, 609	70, 420, 106	31, 900, 497	43, 078, 061
	1927	191, 866	8, 349, 755	10, 348, 803	35, 133, 137	62, 718, 347	27, 585, 210	38, 825, 681
	1925	187, 390	8, 384, 261	10, 729, 969	35, 935, 648	62, 713, 714	26, 778, 066	35, 772, 328
	1923	196, 309	8, 778, 156	11, 009, 298	34, 705, 698	60, 555, 998	25, 850, 300	33, 094, 228
	1921	196, 267	6, 946, 570	8, 202, 324	25, 321, 055	43, 653, 283	18, 332, 228	(1)
	1919	274, 598	9, 041, 311	10, 464, 786	37, 288, 732	61, 193, 426	24, 904, 694	29, 325, 669
	1914	272, 518	7, 023, 685	4, 067, 719	14, 358, 934	24, 216, 514	9, 857, 599	22, 200, 899
1. Food and kindred products.	1929	56, 328	753, 108	897, 703	8, 637, 698	12, 024, 627	3, 386, 929	4, 621, 745
	1927	49, 787	679, 520	823, 388	8, 113, 433	11, 015, 860	2, 902, 427	4, 134, 973
	1925	48, 113	664, 760	793, 681	7, 748, 678	10, 418, 536	2, 669, 858	3, 881, 952
	1923	51, 847	682, 137	795, 571	6, 990, 846	9, 524, 051	2, 533, 204	3, 723, 025
	1921	52, 113	626, 618	746, 266	6, 122, 933	8, 267, 130	2, 144, 197	(1)
	1919	69, 423	733, 664	774, 724	10, 252, 631	12, 748, 348	2, 495, 718	3, 203, 106
	1914	67, 403	536, 436	303, 342	3, 907, 186	4, 977, 761	1, 070, 574	2, 503, 932
2. Textiles and their products.	1929	27, 351	1, 707, 526	1, 732, 665	5, 074, 433	9, 243, 303	4, 168, 870	4, 151, 010
	1927	26, 843	1, 694, 416	1, 759, 958	4, 922, 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, 986, 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, 155, 375	(1)
	1919	28, 451	1, 610, 003	1, 481, 143	5, 379, 388	9, 210, 933	3, 831, 545	3, 248, 364
	1914	23, 360	1, 505, 912	675, 782	2, 013, 738	3, 444, 810	1, 431, 073	2, 717, 078
3. Forest products	1929	26, 912	876, 140	938, 985	1, 585, 268	3, 591, 986	2, 006, 718	3, 667, 990
	1927	20, 169	864, 508	931, 921	1, 636, 647	3, 462, 925	1, 826, 278	3, 332, 457
	1925	21, 926	921, 266	978, 472	1, 725, 351	3, 689, 127	1, 963, 776	3, 472, 970
	1923	21, 678	931, 816	962, 595	1, 666, 395	3, 633, 386	1, 966, 991	3, 336, 236
	1921	21, 398	703, 360	670, 462	1, 197, 628	2, 456, 857	1, 259, 229	(1)
	1919	41, 201	864, 001	859, 872	1, 368, 341	3, 113, 460	1, 745, 119	3, 409, 746
	1914	43, 466	865, 294	446, 807	765, 936	1, 616, 453	850, 517	3, 176, 436
4. Paper and paper products.	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, 363	1, 785, 998	703, 634	2, 813, 694
	1925	2, 727	221, 502	263, 097	919, 657	1, 546, 814	627, 157	2, 574, 707
	1923	2, 685	219, 026	260, 124	878, 764	1, 456, 970	578, 206	2, 813, 562
	1921	2, 600	184, 756	202, 703	669, 070	1, 071, 800	402, 730	(1)
	1919	2, 677	208, 115	212, 724	720, 908	1, 250, 445	529, 537	1, 967, 446
	1914	2, 452	166, 752	88, 844	314, 833	519, 690	204, 857	1, 697, 268
5. Printing, publishing, and allied industries.	1929	27, 531	357, 784	726, 214	767, 867	3, 170, 883	2, 403, 016	649, 079
	1927	25, 433	328, 603	686, 183	755, 038	2, 859, 860	2, 104, 823	569, 528
	1925	23, 826	315, 264	642, 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	603, 300	2, 078, 764	1, 415, 464	(1)
	1919	33, 747	301, 934	354, 998	587, 294	1, 764, 387	1, 177, 093	379, 236
	1914	34, 757	286, 254	207, 721	266, 435	937, 125	670, 690	341, 805
6. Chemicals and allied products.[2]	1929	8, 278	280, 803	354, 393	1, 970, 713	3, 759, 405	1, 788, 691	2, 312, 295
	1927	7, 541	253, 436	317, 908	1, 803, 085	3, 351, 892	1, 548, 808	1, 848, 309
	1925	7, 282	244, 812	296, 526	1, 830, 502	3, 211, 230	1, 380, 639	1, 748, 481
	1923	7, 197	246, 527	288, 834	1, 702, 944	2, 933, 562	1, 230, 617	1, 654, 228
	1921	7, 348	199, 506	224, 333	1, 352, 904	2, 225, 917	873, 013	(1)
	1919	10, 732	329, 053	364, 884	2, 269, 338	3, 803, 753	1, 534, 414	1, 720, 521
	1914	11, 461	258, 413	164, 421	1, 011, 125	1, 964, 630	953, 505	1, 459, 062
7. Products of petroleum and coal.	1929	1, 497	147, 216	229, 060	2, 528, 856	3, 624, 965	1, 096, 109	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, 366	210, 034	2, 356, 583	3, 230, 009	873, 425	1, 241, 377
	1923	1, 650	138, 330	212, 882	1, 981, 370	2, 778, 888	797, 518	1, 092, 914
	1921	1, 560	115, 006	180, 452	1, 760, 805	2, 372, 039	611, 235	(1)
	1919	1, 684	131, 759	185, 599	1, 635, 920	2, 289, 170	653, 250	709, 597
	1914	1, 782	90, 832	60, 882	474, 558	721, 656	247, 098	464, 659

[1] Not called for on schedule.

[2] The fact that the increase in the "Chemicals and allied products" group is less than in most others is due to the decline in the production of alcoholic liquors which are included.

No. 813.—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	Horsepower
				In thousands of dollars				
8. Rubber products	1929	525	149,148	207,455	578,677	1,117,460	538,783	821,312
	1927	516	141,997	193,074	660,370	1,225,077	564,707	799,622
	1925	530	141,869	191,286	721,730	1,260,805	530,076	659,691
	1923	529	137,868	182,084	501,163	958,518	457,355	605,634
	1921	496	103,273	123,613	377,879	704,903	327,024	(1)
	1919	477	158,549	193,763	594,344	1,138,216	543,872	429,273
	1914	342	74,022	44,167	163,035	300,994	137,959	199,242
9. Leather and its manufactures.	1929	4,280	318,414	359,413	1,131,942	1,905,977	774,035	436,681
	1927	4,265	315,991	364,447	1,088,641	1,869,305	780,664	419,591
	1925	4,243	314,025	355,346	1,012,881	1,763,709	750,829	413,173
	1923	4,868	344,545	388,630	1,083,345	1,880,036	796,740	412,998
	1921	4,813	280,071	314,412	934,398	1,544,186	609,788	(1)
	1919	6,397	349,362	363,453	1,713,807	2,610,231	896,423	382,537
	1914	6,753	307,060	169,358	753,135	1,104,595	351,459	311,194
10. Stone, clay, and glass products.	1929	8,515	328,400	432,656	526,556	1,561,457	1,034,901	2,854,402
	1927	8,673	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	2,348,157
	1923	8,317	351,692	453,507	573,472	1,503,121	929,648	1,936,054
	1921	8,347	252,990	307,065	428,259	1,033,091	604,832	(1)
	1919	12,599	302,810	332,726	422,611	1,111,746	689,135	1,584,017
	1914	14,790	335,824	206,085	240,818	618,700	377,882	1,493,976
11. Iron and steel and their products, not including machinery.	1929	6,644	882,797	1,380,824	3,864,558	7,138,007	3,273,449	9,211,486
	1927	6,340	834,967	1,283,812	3,544,615	6,197,595	2,652,980	8,322,730
	1925	6,063	850,783	1,283,841	3,734,085	6,460,222	2,726,138	7,518,726
	1923	6,353	892,185	1,324,773	4,152,741	6,827,670	2,674,929	7,259,009
	1921	6,251	571,426	730,875	2,140,171	3,455,541	1,315,370	(1)
	1919	7,617	857,764	1,243,726	3,423,280	5,887,844	2,464,564	6,420,697
	1914	6,326	617,776	421,746	1,315,690	2,137,113	821,443	4,587,372
12. Nonferrous metals and their products.	1929	7,521	314,740	442,480	2,405,672	3,601,057	1,135,385	1,687,197
	1927	6,761	272,667	383,185	1,783,213	2,677,107	893,894	1,226,411
	1925	7,006	276,616	382,652	1,948,438	2,839,550	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	880,265	1,403,059	521,795	(1)
	1919	10,441	304,768	359,171	1,737,234	2,519,032	781,798	953,109
	1914	9,808	239,542	154,580	964,556	1,329,934	365,278	550,903
13. Machinery, not including transportation equipment.	1929	12,954	1,085,126	1,613,925	2,702,626	7,043,331	4,340,705	3,651,524
	1927	11,982	883,508	1,284,133	2,053,942	5,348,724	3,294,782	2,995,296
	1925	11,807	858,843	1,225,350	1,965,367	5,020,281	3,054,914	2,714,377
	1923	12,147	907,707	1,253,743	1,891,524	4,727,818	2,836,294	2,300,443
	1921	12,395	662,277	832,788	1,361,163	3,236,076	1,873,912	(1)
	1919	14,821	908,484	1,240,487	1,973,458	4,768,673	2,795,216	2,060,325
	1914	13,457	618,737	412,406	662,967	1,682,408	919,442	1,256,908
14. Transportation equipment, air, land, and water.	1929	2,551	587,407	943,319	3,683,587	6,047,995	2,364,408	2,272,843
	1927	2,537	494,905	803,298	2,907,949	4,693,972	1,786,022	2,027,686
	1925	2,778	559,578	908,488	3,389,101	5,451,753	2,062,652	1,888,961
	1923	3,873	606,328	963,939	3,304,505	5,333,479	1,938,975	1,624,458
	1921	4,273	405,773	591,334	1,803,011	3,018,164	1,215,143	(1)
	1919	6,768	858,582	1,259,014	3,200,602	5,627,263	2,426,661	1,453,804
	1914	7,818	312,562	230,615	639,793	1,137,423	497,630	602,459
15. Railroad repair shops.	1929	2,297	397,256	637,311	548,434	1,269,917	721,483	1,153,040
	1927	2,309	428,572	648,908	545,492	1,289,695	744,203	1,110,821
	1925	2,363	457,755	668,192	563,646	1,332,679	769,033	942,248
	1923	2,348	523,430	772,968	631,353	1,520,098	888,734	798,005
	1921	2,326	418,285	671,956	505,571	1,267,343	760,771	(1)
	1919	2,368	515,709	726,690	547,829	1,354,446	806,617	644,875
	1914	2,011	365,902	253,150	261,438	552,618	291,180	478,893
16. Miscellaneous industries.	1929	14,636	417,085	590,753	1,360,000	3,427,486	2,067,486	665,995
	1927	14,320	440,456	529,676	1,378,160	3,317,090	1,938,930	837,680
	1925	14,216	439,503	508,750	1,351,610	3,125,319	1,773,709	732,559
	1923	15,430	475,481	528,336	1,429,536	3,003,597	1,574,062	701,510
	1921	15,762	418,221	442,101	1,315,907	2,557,959	1,242,351	(1)
	1919	25,195	516,754	511,812	1,461,747	2,995,479	1,533,732	751,119
	1914	26,537	442,317	227,723	603,691	1,270,704	667,012	449,512

[1] Not called for on schedule.
[2] 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.

Source: Bureau of the Census, Department of Commerce.

No. 814.—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 1921. For totals for all industries and for 16 great groups see Table 813. 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. For other industries, 1925, 1927, and 1929 have been shown 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	Horsepower
				In thousands of dollars				
FOOD AND KINDRED PRODUCTS								
Animal products, total.[1]	1929	12,276	193,945	254,335	4,158,651	5,018,696	860,045	1,090,923
	1927	11,774	189,045	249,881	3,815,254	4,563,036	747,782	965,353
	1925	11,863	189,933	245,304	3,752,515	4,498,931	746,416	875,878
	1923	12,449	203,548	254,414	3,238,978	3,951,221	712,242	783,488
	1921	11,329	182,790	231,601	2,687,299	3,276,562	589,264	
Butter	1929	3,527	19,083	23,540	636,805	746,778	109,973	164,604
	1927	3,519	20,096	25,533	637,337	739,011	101,674	145,073
	1925	3,493	17,758	22,263	603,397	683,503	80,106	126,872
	1923	3,653	20,312	24,950	549,558	640,474	90,916	126,351
	1921	3,444	18,506	22,929	407,501	479,724	72,223	
Cheese	1929	2,758	3,402	4,536	92,988	110,645	17,657	24,739
	1927	2,738	3,520	4,897	100,788	118,448	17,660	20,976
	1925	2,935	3,398	4,320	103,569	118,678	15,109	20,830
Condensed and evaporated milk.	1929	535	7,070	8,796	163,766	209,110	45,344	85,258
	1927	464	7,390	9,191	159,680	200,086	40,406	63,969
	1925	402	7,118	8,391	140,041	171,247	31,206	53,937
	1923	378	8,293	10,126	153,996	187,111	33,115	48,300
	1921	382	9,462	10,349	132,525	176,837	44,312	
Ice cream	1929	3,150	22,380	33,952	156,338	328,414	172,076	230,865
	1927	2,961	21,927	33,108	150,602	301,645	151,043	206,315
	1925	2,790	23,043	33,457	140,864	286,176	145,312	189,328
	1923	2,762	23,132	32,435	145,307	259,907	114,600	169,730
	1921	2,528	20,209	28,237	121,170	213,202	92,092	
Meat packing, wholesale.	1929	1,277	122,505	165,867	2,974,128	3,434,654	460,526	524,989
	1927	1,250	119,095	161,584	2,603,740	3,057,216	393,475	489,576
	1925	1,269	120,422	159,365	2,625,192	3,050,286	426,094	441,516
	1923	1,397	132,792	167,569	2,176,010	2,585,804	409,794	382,127
	1921	1,184	117,042	152,903	1,868,198	2,200,942	332,744	
Poultry killing, dressing, and packing, wholesale.[2]	1929	485	7,768	7,295	106,853	130,171	23,318	13,534
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments.	1929	681	5,892	8,843	81,426	108,246	26,821	25,747
	1927	505	4,967	7,404	60,216	81,548	21,333	19,980
	1925	489	4,914	7,652	61,497	82,436	20,939	18,184
Canning and preserving: Fish, crabs, shrimps, oysters, and clams.	1929	348	13,613	8,799	53,200	80,849	27,649	21,187
	1927	337	12,650	8,106	42,892	65,082	22,191	18,574
	1925	319	10,530	7,234	39,194	61,061	21,867	19,527
Vegetable products and beverages, total.	1929	44,052	559,163	643,368	4,479,048	7,005,931	2,526,884	3,530,822
	1927	38,013	489,875	573,508	4,298,179	6,452,824	2,154,645	3,169,610
	1925	36,250	474,827	548,377	3,996,163	5,919,606	1,923,443	3,006,074
	1923	39,271	477,079	539,711	3,730,085	5,546,406	1,816,321	2,937,531
	1921	40,784	443,828	514,666	3,435,634	4,990,567	1,554,933	
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces.	1929	2,997	98,864	69,809	461,929	750,342	288,413	224,082
	1927	2,436	80,924	62,310	355,186	572,346	217,160	189,831
	1925	2,403	85,866	67,427	385,573	616,071	230,497	187,490
	1923	2,438	72,534	57,153	298,968	515,316	216,348	175,714
	1921	1,905	51,729	36,800	237,082	365,717	128,035	
Chocolate and cocoa products, not including confectionery.	1929	59	6,191	7,778	79,551	119,541	39,989	59,136
	1927	69	6,427	7,339	90,423	122,723	32,300	62,742
	1925	60	7,128	7,992	73,522	106,642	33,120	58,296
Coffee and spice, roasting and grinding.[3]	1929	928	9,044	10,611	332,150	424,345	92,195	45,480
	1927	784	8,195	9,537	284,653	384,281	99,629	42,542
	1923	729	9,665	10,016	224,843	297,528	72,684	37,358
	1921	712	8,882	9,372	166,249	226,059	59,810	

Footnotes at end of table.

No. 814.—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	Horsepower
				In thousands of dollars				
FOOD AND KINDRED PRODUCTS—Contd.								
Confectionery	1929	2,021	63,476	56,418	215,125	303,270	178,145	112,130
	1927	1,908	63,163	56,981	218,373	301,927	173,555	110,595
	1925	1,931	63,600	55,235	205,433	379,081	173,649	100,455
	1923	2,014	63,485	54,881	202,719	366,256	163,537	91,455
	1921	2,254	61,004	50,210	174,072	313,998	139,926	
Chewing gum	1929	37	2,265	2,733	23,231	60,160	36,929	10,350
	1927	40	2,524	2,727	27,168	62,001	34,834	10,097
	1925	41	2,180	2,538	17,968	47,838	29,870	7,712
Flavoring extracts and flavoring sirups.	1929	642	5,033	7,066	55,518	129,086	73,568	33,838
	1927	500	5,011	7,134	51,091	107,219	56,129	27,963
	1925	431	3,890	5,078	47,064	94,212	47,148	23,313
Flour and other grain-mill products.	1929	4,022	27,154	35,409	871,803	1,060,328	188,525	641,101
	1927	4,035	29,082	37,550	972,711	1,148,760	176,049	641,608
	1925	4,413	31,988	39,700	1,125,370	1,298,015	172,036	609,910
	1923	5,232	35,194	41,704	885,972	1,048,578	162,606	709,850
	1921	6,485	35,378	43,143	903,810	1,179,740	185,930	
Bread and other bakery products.	1929	20,788	200,248	275,129	734,233	1,526,626	792,393	363,741
	1927	18,129	171,995	236,226	603,236	1,394,700	701,464	284,244
	1925	17,684	160,411	219,606	668,017	1,268,195	600,178	227,230
	1923	18,739	162,013	214,579	574,520	1,122,906	548,386	103,186
	1921	20,173	148,500	198,939	593,514	1,089,972	491,358	
Feeds, prepared, for animals and fowls.[2]	1929	750	10,364	12,873	327,390	402,787	75,397	170,380
	1927	447	7,632	9,703	244,676	299,793	55,117	115,855
Macaroni, spaghetti, vermicelli, and noodles.	1929	353	5,088	5,495	27,008	46,915	19,906	24,442
	1927	353	4,587	5,071	27,434	45,353	17,919	21,406
	1925	327	4,560	5,026	27,491	43,489	15,998	19,873
Oleomargarine, not made in meat-packing establishments.	1929	41	1,534	2,264	30,390	46,522	15,632	6,670
	1927	36	1,502	2,253	27,145	39,282	12,137	8,746
	1925	38	1,639	2,278	28,384	39,856	11,472	6,740
Food preparations, not elsewhere classified.	1929	862	10,626	11,665	96,399	171,861	75,462	36,716
	1927	674	10,294	11,387	98,249	166,965	68,716	34,773
	1925	694	11,562	11,091	106,773	172,562	65,789	32,619
Corn sirup, corn sugar, corn oil, and starch.	1929	35	6,780	9,873	104,285	165,984	61,699	87,237
	1927	26	6,972	10,490	90,906	134,461	43,555	81,003
	1925	30	6,492	9,378	93,064	132,898	39,834	72,617
Peanuts: Grading, roasting, cleaning, and shelling.[4]	1925	69	1,990	978	18,184	20,624	2,440	8,830
	1923	70	1,492	748	15,176	18,189	3,013	7,703
Peanuts, walnuts, and other nuts, processed.[5]	1929	169	7,995	3,062	39,534	49,609	10,074	16,193
	1927	144	7,376	3,287	45,890	55,950	10,059	13,956
Rice cleaning and polishing.	1929	60	1,588	1,449	38,444	48,794	10,350	22,901
	1927	60	1,524	1,546	46,481	54,130	7,649	23,012
	1925	63	1,296	1,098	45,847	53,498	7,651	21,906
Shortenings (not including lard) and vegetable cooking oils.[3]	1929	40	2,712	3,004	139,031	154,553	15,522	36,647
	1927	33	2,655	2,624	137,079	148,468	11,389	33,462
Sugar, beet	1929	82	7,496	10,021	70,923	108,553	37,630	146,393
	1927	79	7,402	9,710	79,017	104,927	25,910	142,023
	1925	89	8,872	12,088	87,038	132,339	45,301	146,985
Sugar, cane, not including products of refineries.	1929	70	2,327	1,642	12,298	18,326	6,028	66,779
	1927	53	971	630	5,830	8,009	2,179	45,705
	1925	94	2,066	1,411	11,586	13,435	1,849	72,798
Sugar refining, cane	1929	21	13,920	17,850	438,664	507,389	68,725	98,637
	1927	21	13,906	17,707	551,594	597,446	45,851	80,979
	1925	21	14,502	18,955	549,806	606,633	56,737	89,093
	1923	20	15,254	20,044	681,880	726,241	44,361	72,632
	1921	20	15,457	19,463	426,601	468,602	40,001	
Malt	1929	28	500	1,057	18,924	23,603	4,679	18,098
	1927	23	500	904	17,187	20,274	3,087	15,390
	1925	23	563	903	19,986	24,069	4,083	15,259

Footnotes at end of table.

No. 814.—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	Horsepower
				In thousands of dollars				
FOOD AND KINDRED PRODUCTS—Con.								
Vinegar and cider	1929	172	978	1,022	6,016	10,450	4,434	8,652
	1927	158	1,123	1,236	5,858	10,755	4,897	7,562
	1925	161	1,243	1,232	6,838	12,233	5,395	6,929
Cereal preparations	1929	121	6,494	8,875	101,471	175,223	73,752	66,291
	1927	77	6,028	8,417	91,743	155,563	63,815	50,979
	1925	90	6,168	7,942	92,577	150,079	57,502	52,626
Beverages	1929	5,154	28,240	38,330	103,026	270,324	167,298	149,131
	1927	4,760	26,972	36,101	95,430	242,094	147,264	153,731
	1925	4,210	27,384	36,053	98,466	237,761	139,295	168,865
	1923	4,514	29,274	37,689	99,572	228,730	129,158	221,292
	[6]1921	3,867	33,202	45,652	116,102	237,628	121,526	
Ice, manufactured	1929	4,115	32,438	42,638	44,351	211,170	166,819	1,085,791
	1927	3,159	22,120	32,611	40,816	184,795	143,979	965,406
	1925	3,077	24,915	35,046	44,725	186,969	142,244	923,134
	1923	3,097	26,852	35,040	46,664	164,662	117,998	845,012
	1921	2,715	24,066	32,630	51,174	158,889	107,715	
TEXTILES AND THEIR PRODUCTS								
Textile-mill products, total.	1929	6,974	1,096,172	1,052,971	2,795,051	5,043,171	2,248,120	3,848,917
	1927	7,244	1,119,733	1,099,735	2,702,674	4,933,282	2,170,607	3,906,023
	1925	7,470	1,110,209	1,066,262	3,234,035	5,342,617	2,108,583	3,748,885
	1923	7,816	1,164,638	1,122,751	3,213,272	5,527,557	2,314,285	3,556,440
	1921	7,241	993,557	896,373	2,136,803	3,896,449	1,759,646	
Cotton goods	1929	1,281	424,962	324,289	897,029	1,524,177	627,148	2,267,746
	1927	1,347	467,596	380,910	871,592	1,567,401	695,809	[7]2,328,830
	1925	1,366	445,184	353,383	1,077,153	1,714,368	637,215	2,236,363
	1923	1,375	471,503	396,603	1,147,372	1,901,126	753,754	2,153,299
	1921	1,328	412,058	328,227	707,442	1,278,221	570,779	
Cotton small wares	1929	202	15,364	15,449	33,636	65,170	31,534	27,518
	1927	220	14,958	15,333	32,222	64,820	32,598	29,205
	1925	230	16,162	15,547	41,816	74,675	32,859	33,760
Lace goods	1929	42	6,854	7,670	9,716	29,237	19,521	10,205
	1927	43	6,482	7,585	11,392	27,298	15,906	11,309
	1925	42	7,006	7,620	13,361	30,844	17,482	9,507
Knit goods	1929	1,888	208,400	210,714	448,746	899,717	450,970	182,183
	1927	1,869	190,283	188,163	424,099	816,620	392,521	177,216
	1925	1,987	186,668	168,683	453,926	809,960	356,034	176,630
	1923	2,323	194,244	168,272	484,020	848,177	364,157	183,675
	1921	2,078	161,880	132,190	360,458	634,074	273,616	
Silk and rayon manufactures.	1929	1,491	130,467	137,547	412,181	731,200	319,019	220,259
	1927	1,648	127,643	140,054	445,391	750,124	304,733	221,249
	1925	1,659	132,509	142,734	484,123	808,979	324,857	212,609
	1923	1,598	125,234	126,849	479,038	761,322	282,284	206,020
	1921	1,565	121,378	113,396	337,559	583,419	245,860	
Woolen goods	1929	460	58,474	66,014	165,882	290,939	125,057	201,045
	1927	471	61,790	72,156	172,700	301,309	128,609	191,703
	1925	503	67,050	82,436	219,618	361,524	141,906	193,080
	1923	513	72,408	87,314	201,548	364,288	162,740	180,057
	1921	493	56,434	62,893	120,276	230,945	110,669	
Worsted goods	1929	264	88,485	98,138	336,649	536,067	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
	1923	338	122,144	135,671	421,184	698,271	277,087	357,808
	1921	321	105,930	112,001	279,770	524,639	244,869	
Felt goods, wool, hair, or jute.	1929	54	5,540	7,531	26,224	45,466	19,242	25,655
	1927	50	5,452	6,653	23,289	41,895	18,606	23,479
	1925	50	5,146	6,404	26,354	43,776	17,421	23,478
Hats, wool-felt	1929	14	2,029	2,315	4,678	9,050	4,377	2,811
	[7]1927	12	2,113	2,190	4,490	8,807	4,317	2,405
	1925	22	1,854	1,986	5,123	8,949	3,826	2,550
Hats, fur-felt	1929	159	16,530	22,503	55,298	102,004	46,706	20,505
	[7]1927	139	15,806	22,855	51,053	99,185	48,132	20,517
	1925	146	15,156	20,466	40,124	80,066	39,942	17,948

Footnotes at end of table.

No. 814.—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	Horsepower
				In thousands of dollars				
TEXTILES AND THEIR PRODUCTS—Contd.								
Carpets and rugs, wool, other than rag.	1929	67	32,623	40,014	86,651	176,915	90,264	64,965
	1927	65	32,829	42,041	85,602	166,888	81,287	65,828
	1925	69	33,885	43,383	104,196	187,779	83,583	63,008
Wool shoddy	1929	50	1,762	2,109	10,127	15,345	5,218	15,940
	1927	55	1,679	1,916	7,981	12,597	4,616	15,353
	1925	68	2,218	2,609	14,912	21,022	6,109	15,435
Wool pulling	1929	18	596	907	10,917	13,648	2,731	1,907
	1927	18	524	759	12,466	14,640	2,174	2,403
	1925	23	573	841	13,637	15,209	1,572	2,706
Wool scouring	1929	21	1,302	1,771	3,022	6,241	3,220	8,241
	1927	25	1,386	1,982	3,010	6,662	3,652	7,035
	1925	26	1,112	1,601	2,527	5,831	3,304	7,823
Cordage and twine	1929	123	14,467	12,834	54,573	91,455	36,882	73,021
	1927	116	15,084	13,674	56,105	89,172	33,067	74,924
	1925	118	15,400	14,019	66,848	100,448	33,600	77,563
Jute goods	1929	20	4,930	4,276	11,968	21,870	9,902	32,903
	1927	23	5,358	4,987	11,802	23,186	11,384	36,210
	1925	23	6,312	5,640	14,567	27,517	12,951	28,753
Flax and hemp, dressed	1929	6	47	35	93	197	104	420
	1927	7	62	51	116	283	167	654
	1925	9	82	89	244	459	215	1,457
Linen goods	1929	16	2,195	2,185	5,214	9,737	4,522	11,006
	1927	18	2,530	2,545	5,409	10,377	4,968	11,473
	1925	18	2,607	2,462	6,304	11,157	4,762	12,110
Mats and matting, grass and coir.	1929	7	467	440	685	1,092	1,007	1,203
	1927	7	422	398	669	1,537	868	1,425
	1925	10	902	767	1,526	3,492	1,965	2,147
Haircloth	1929	13	450	527	2,551	3,855	1,305	1,113
	1927	16	385	480	2,089	3,016	927	1,312
	1925	15	355	387	1,897	2,746	849	1,058
Dyeing and finishing textiles.	1929	732	79,327	94,245	219,122	465,821	246,698	306,836
	1927	743	73,851	91,697	210,681	406,047	195,366	287,212
	1925	697	70,749	83,983	220,678	408,515	187,837	252,701
	1923	713	63,414	72,525	199,156	366,623	167,467	204,128
	1921	599	51,510	58,139	141,199	276,751	135,552	----------
Cloth sponging and refinishing.	1929	46	902	1,457	88	3,361	3,273	800
	1927	52	736	1,502	161	3,458	3,297	933
	1925	61	931	1,889	203	3,889	3,685	975
Wearing apparel made from purchased fabrics, total.	1929	16,142	536,281	596,293	1,866,734	3,536,041	1,669,307	138,154
	1927	15,486	501,656	578,152	1,771,890	3,391,881	1,619,990	126,723
	1925	14,883	466,846	534,823	1,174,618	3,243,849	1,502,231	119,744
	1923	16,904	499,413	568,139	1,852,229	3,443,940	1,591,711	132,317
	1921	16,784	473,574	534,312	1,424,284	2,710,657	1,285,373	----------
Clothing (except work clothing), men's youths', and boys', not elsewhere classified.[8]	1929	3,692	149,753	170,624	440,085	901,104	460,419	40,411
	1927	3,562	146,099	184,613	447,245	932,182	484,937	34,361
	1925	3,491	141,511	179,045	471,501	946,274	474,773	33,207
	1923	4,024	158,173	207,252	483,927	1,016,722	532,795	40,250
Clothing (work, men's not including shirts).	1929	511	38,193	26,647	83,552	138,450	54,898	11,492
	1927	556	40,612	29,946	85,134	147,289	62,155	11,218
	1925	509	32,821	24,803	85,969	140,964	54,994	11,542
Clothing, men's, buttonholes.	1929	32	292	314	61	574	513	104
	1927	40	412	429	98	918	820	132
	1925	30	327	247	71	658	587	87
Shirts	1929	863	59,892	43,428	116,678	228,322	111,643	16,970
	1927	907	57,216	42,998	129,744	241,050	111,906	14,916
	1925	840	49,864	35,674	129,754	225,963	96,209	13,884
	1923	934	51,672	37,943	139,354	241,331	101,977	14,050
	1921	860	45,427	33,182	123,259	203,944	80,685	----------
Furnishing goods, men's, not elsewhere classified.[9]	1929	598	28,570	23,002	83,642	150,964	67,321	6,738
	1927	534	25,183	22,070	82,839	146,474	62,635	7,190
	1925	419	21,094	17,438	69,861	120,868	51,006	4,977

Footnotes at end of table.

No. 814—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	Horsepower
				In thousands of dollars				
TEXTILES AND THEIR PRODUCTS—Con.								
Collars, mens'----------	1929	15	2,952	2,263	3,630	8,740	5,110	1,281
	1927	24	3,270	2,967	5,867	13,264	7,398	3,131
	1925	28	7,187	5,503	11,792	27,588	15,795	4,497
Gloves and mittens, cloth or cloth and leather combined, made from purchased fabrics.	1929	125	9,279	5,914	19,289	29,883	10,594	3,672
	1927	131	10,296	6,670	17,302	30,202	12,810	4,112
	1925	139	9,001	5,709	17,977	29,532	11,554	4,102
Suspenders, garters, and other elastic woven goods, made from purchased webbing.	1929	91	4,341	3,971	17,906	30,473	12,567	1,178
	1927	91	4,061	3,529	16,260	26,985	10,726	983
	1925	93	3,835	3,072	16,500	27,504	11,004	876
Hats and caps, except, felt and straw, men's.	1929	576	5,826	7,094	16,908	35,901	18,993	2,191
	1927	568	6,300	9,126	20,702	41,214	20,512	1,999
	1925	579	6,552	9,243	22,690	43,823	21,124	1,876
Clothing, women's, not elsewhere classified.	1929	8,082	187,301	243,638	933,915	1,709,581	775,666	35,283
	1927	7,588	154,459	211,350	809,520	1,494,401	684,881	30,287
	1925	6,127	126,466	175,045	724,209	1,293,705	569,496	24,316
	1923	7,046	133,195	176,446	809,561	1,406,684	597,123	27,704
	1921	7,061	144,865	186,082	567,810	1,022,743	454,933	----------
Corsets and allied garments.	1929	213	13,664	12,446	36,035	76,802	40,767	6,049
	1927	222	13,778	12,402	35,394	77,218	41,824	7,819
	1925	185	14,525	12,394	37,808	77,115	39,307	8,394
Handkerchiefs [9]--------	1929	105	6,014	4,636	16,343	29,554	13,211	2,409
	1927	115	6,659	5,264	18,205	31,588	13,383	2,665
Millinery [9]----------	1929	1,239	32,204	42,715	98,090	195,693	97,604	10,376
	1927	1,148	33,311	46,788	103,490	209,495	106,005	7,920
Other articles made from purchased fabrics, total.	1929	4,235	75,073	83,402	412,648	664,091	251,443	163,939
	1927	4,113	73,027	82,071	388,151	625,310	237,159	140,692
	1925	2,097	51,228	53,720	374,272	539,689	165,417	117,893
	1923	2,043	51,242	52,908	328,941	490,785	161,844	94,644
	1921	1,930	42,667	41,667	240,003	349,360	109,357	----------
Awnings, tents, sails, and canvas covers.	1929	1,002	7,162	8,559	25,328	49,238	23,909	5,056
	1927	963	6,543	8,229	24,410	47,929	23,520	4,850
	1925	905	6,249	7,501	27,453	48,569	21,116	4,564
Bags, other than paper, not made in textile mills.	1929	202	11,828	9,645	144,275	170,176	25,900	19,159
	1927	181	11,164	9,548	130,748	162,950	26,201	15,764
	1925	162	11,404	9,332	150,102	175,082	24,980	15,295
Belting, other than leather and rubber, not made in textile mills.	1929	9	255	299	1,328	2,789	1,461	1,648
	1927	11	343	411	1,490	3,212	1,722	1,457
	1925	11	254	264	1,596	3,112	1,516	914
Embroideries [9]--------	1929	813	6,622	7,808	6,009	25,287	18,678	2,279
	1927	1,069	8,964	10,962	7,960	32,419	24,459	2,930
Trimmings (not made in textile mills) and stamped art goods for embroidering. [9]	1929	639	7,934	9,762	20,783	45,180	24,397	3,036
	1927	773	9,495	11,989	33,350	64,423	31,073	3,864
Horse blankets, fly nets, and related products.	1929	14	582	498	1,471	2,895	1,424	1,375
	1927	16	660	574	1,878	3,379	1,501	1,421
	1925	20	604	564	2,535	3,897	1,362	1,773
Flags and banners------	1929	54	938	794	1,771	3,836	2,065	577
	1927	46	1,046	898	2,282	4,536	2,254	700
	1925	49	1,031	890	2,332	4,588	2,256	629
Regalia, badges, and emblems.	1929	77	1,757	1,825	3,227	7,929	4,700	1,105
	1927	76	1,675	1,760	3,019	7,691	4,672	1,015
	1925	85	1,992	2,033	3,962	9,623	5,661	1,068
Hat and cap materials, men's.	1929	112	2,563	2,876	17,305	25,031	7,726	5,164
	1927	96	2,702	2,659	15,672	23,339	7,668	5,158
	1925	89	2,127	2,413	15,218	22,049	6,831	5,141
Nets and seines-------	1929	19	903	769	3,789	6,164	2,375	1,155
	1927	21	869	776	3,348	5,401	2,053	1,162
	1925	21	885	762	3,479	5,157	1,678	1,190

Footnotes at end of table.

No. 814.—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	Horsepower
				In thousands of dollars				
TEXTILES AND THEIR PRODUCTS—Contd.								
House-furnishing goods, not elsewhere classified.	1929	964	15,794	16,150	76,000	127,602	51,602	16,038
	1927	548	11,691	10,947	52,705	87,677	34,972	12,997
	1925	433	9,307	9,143	51,079	78,655	27,576	10,702
Carpets and rugs, rag	1929	94	1,529	1,562	1,559	5,511	3,852	2,405
	1927	110	1,633	1,678	1,636	5,890	4,254	2,005
	1925	139	1,901	1,876	1,942	5,710	3,767	2,349
Linoleum	1929	7	5,544	8,560	26,241	57,250	31,010	51,647
	1927	7	5,364	8,177	24,216	47,442	23,227	41,432
	1925	6	4,872	6,393	19,967	44,999	25,033	31,840
Oilcloth	1929	9	1,412	2,144	14,649	23,107	8,459	5,017
	1927	8	1,072	1,746	11,819	17,642	5,824	3,565
	1925	9	1,160	1,675	13,549	17,843	4,294	3,484
Artificial leather	1929	17	2,590	3,956	21,764	32,961	11,197	14,650
	1927	19	2,730	4,007	21,828	34,238	12,400	14,467
	1925	18	2,659	3,801	31,238	40,032	9,693	10,593
Asphalted-felt-base floor covering	1929	14	2,345	3,501	13,768	31,889	18,121	11,092
	1927	12	2,442	3,695	16,186	34,101	17,914	8,904
	1925	11	2,464	3,338	14,930	32,532	17,602,	9,575
Upholstering materials, not elsewhere classified.	1929	53	1,410	1,317	7,046	11,234	4,188	3,915
	1927	39	1,030	1,162	6,556	9,673	3,117	4,482
	1925	34	1,196	1,174	5,123	7,998	2,875	3,380
Waste	1929	136	3,905	3,316	25,633	36,014	10,381	18,592
	1927	118	3,494	2,853	23,049	33,377	10,328	14,529
	1925	105	3,033	2,570	29,766	38,943	9,177	13,664
FOREST PRODUCTS								
Basic industries, total.	1929	14,164	460,011	437,359	431,665	1,314,764	883,099	1,991,554
	1927	8,723	453,131	431,496	508,080	1,259,370	750,690	1,795,875
	1925	10,286	497,803	473,085	593,935	1,468,427	874,492	2,064,631
	1923	10,671	531,545	492,617	584,802	1,534,991	950,188	1,944,962
	1921	10,233	392,756	323,977	386,881	930,015	543,134	----------
Excelsior	1929	66	1,241	1,219	2,440	5,009	2,569	10,667
	1927	64	1,272	1,181	2,547	4,821	2,274	10,930
	1925	72	1,300	1,180	2,573	4,901	2,328	11,993
Lumber and timber products, not elsewhere classified.	1929	12,915	418,583	421,167	418,777	1,273,473	854,696	1,978,894
	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	841,687	2,049,500
	1923	9,393	495,932	475,962	573,064	1,494,462	921,398	1,932,091
	1921	9,092	364,247	313,487	377,927	902,501	524,574	----------
Turpentine and rosin	1929	1,183	40,187	14,972	10,448	36,282	25,833	3,993
	1927	1,149	37,913	10,953	12,173	39,903	27,730	3,211
	1925	1,007	29,413	15,190	11,887	42,364	30,477	3,138
Wood reworking industries, total.[1]	1929	6,081	114,746	142,621	336,934	655,504	318,630	788,221
	1927	5,582	117,905	149,783	359,316	672,336	313,020	727,274
	1925	5,727	132,115	160,154	440,457	798,288	357,831	680,399
	1923	5,159	125,966	156,707	441,284	783,751	342,467	575,740
	1921	5,314	97,416	115,619	307,989	538,617	230,628	----------
Planing-mill products (including general millwork), not made in planing mills connected with sawmills.	1929	4,850	90,208	116,438	295,684	553,812	258,128	678,667
	1927	4,561	96,589	126,140	321,443	581,634	260,190	630,674
	1925	4,761	111,329	146,592	403,227	710,861	307,635	597,103
	1923	4,215	103,008	133,329	401,174	692,784	291,610	493,424
	1921	4,366	78,033	95,954	272,082	462,649	190,567	----------
Window and door screens and weather strip.	1929	280	4,094	4,958	10,513	24,452	13,939	14,034
	1927	214	3,661	4,806	9,304	22,643	13,339	11,520
	1925	183	3,803	4,687	9,545	22,398	12,853	10,674
Wood turned and shaped and other wooden goods, n. e. c.	1929	803	18,744	18,655	28,423	69,611	41,188	88,390
	1927	748	15,937	16,333	26,064	60,530	34,466	77,425
	1925	721	14,948	14,862	24,630	55,728	31,092	65,110
Lasts and related products.	1929	58	1,760	2,569	2,315	7,690	5,375	7,230
	1927	59	1,718	2,504	2,505	7,529	5,024	7,655
	1925	62	2,035	3,012	3,049	9,301	6,252	7,512

Footnotes at end of table.

No. 814.—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	Horsepower
				In thousands of dollars				
FOREST PRODUCTS—Continued								
Wooden container industries, total.	1929	1,709	54,971	51,078	120,656	235,178	105,522	190,943
	1927	1,648	56,124	52,721	134,471	235,578	101,107	192,489
	1925	1,702	57,961	55,671	142,776	249,612	106,837	192,281
	1923	1,872	62,121	58,271	154,804	265,501	110,696	200,457
	1921	1,872	51,923	45,796	125,865	204,779	78,914	----------
Boxes, wooden, except cigar boxes.	1929	702	30,553	29,194	74,082	135,026	60,944	137,361
	1927	748	30,797	29,250	75,797	133,903	58,195	135,637
	1925	824	34,834	33,765	80,301	152,205	65,903	143,519
Boxes, cigar, wooden	1929	118	4,374	3,508	5,238	12,459	7,221	5,517
	1927	136	4,577	3,925	5,621	12,909	7,288	5,478
	1925	155	4,836	3,967	5,450	12,925	7,474	5,210
Cooperage	1929	586	10,601	11,706	41,516	64,842	23,326	33,885
	1927	528	11,456	12,037	43,821	66,947	23,126	33,553
	1925	553	11,483	12,908	44,176	67,735	23,559	30,758
Baskets and rattan and willow ware, not including furniture.	1929	273	9,353	6,071	8,820	22,851	14,031	20,180
	1927	236	9,295	6,608	9,231	21,729	12,498	17,821
	1925	230	6,808	5,033	6,758	10,658	9,900	12,794
Furniture and related industries, total.	1929	4,184	209,142	263,658	462,764	1,036,650	573,805	546,734
	[10]1927	3,503	203,338	258,300	426,044	969,968	543,324	488,660
	1925	3,601	195,643	244,886	418,235	951,170	532,935	434,238
	1923	3,434	182,014	222,461	372,546	851,801	479,256	369,484
	1921	3,449	134,937	157,245	279,041	606,239	327,198	----------
Furniture, including store and office fixtures.[11]	1929	3,778	193,522	242,863	426,542	948,116	521,575	503,505
	1927	3,228	188,143	238,240	392,099	885,204	493,106	455,881
	1925	3,239	181,016	225,298	384,875	868,720	483,845	402,719
	1923	3,047	168,157	204,566	342,443	776,847	434,404	344,954
	1921	3,038	124,362	144,148	253,706	550,413	296,707	----------
Refrigerators and refrigerator cabinets, excl. of mechanical refrigerating equipment.	1929	188	9,784	13,179	26,451	60,483	34,032	28,493
	1927	165	9,551	12,617	25,095	58,163	33,068	24,216
	1925	167	9,800	12,589	24,744	57,666	32,922	23,297
Billiard and pool tables, bowling alleys, and accessories.	1929	40	1,890	1,863	3,238	8,821	5,583	6,402
	1927	34	1,184	1,550	2,394	7,112	4,718	2,335
	1926	33	1,037	1,354	1,781	5,614	3,834	2,120
Mirror and picture frames.	1929	178	4,446	5,752	6,533	19,238	12,705	8,334
	1927	166	4,460	5,893	7,056	19,489	12,432	6,228
	1925	162	4,230	5,646	6,835	19,170	12,335	6,102
Other allied products, total.[1]	1929	714	37,270	44,269	224,250	349,821	125,571	144,538
	1927	623	34,010	39,620	207,537	325,673	118,136	128,150
	1925	550	30,836	35,675	120,949	221,629	91,680	101,421
	1923	542	30,170	32,539	112,960	197,342	84,382	105,097
	1921	530	26,328	27,824	97,852	177,206	79,354	----------
Caskets, coffins, burial cases, and morticians' goods.	1929	414	13,033	16,411	39,350	88,282	48,932	39,609
	1927	340	11,665	14,421	33,327	74,891	41,563	31,105
	1925	326	11,479	14,057	32,771	70,413	37,641	29,164
Cork products	1929	35	3,842	4,209	12,603	23,023	10,421	14,829
	1927	27	3,185	3,500	9,395	17,369	7,974	11,683
	1926	33	3,297	3,538	7,269	16,020	8,752	11,084
Matches	1929	21	3,700	4,118	12,526	20,351	7,825	17,997
	1927	19	3,905	4,131	11,884	24,906	13,022	17,607
	1925	25	4,627	4,707	12,913	23,741	10,828	16,314
Pulp goods	1929	45	3,558	4,592	12,068	27,220	15,152	14,190
	1927	44	2,990	3,783	11,375	23,950	12,575	17,158
	1925	35	3,017	3,767	10,286	20,270	9,984	11,338
Wood preserving	1929	199	13,077	14,940	147,703	190,945	43,242	57,913
	1927	193	12,259	13,726	141,555	184,558	43,003	50,606
	1925	131	8,416	9,606	66,709	91,184	24,475	33,521

Footnotes at end of table.

No. 814.—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	Horsepower
				In thousands of dollars				
PAPER AND PAPER PRODUCTS								
Paper and pulp [12]	1929	883	128,049	173,078	723,361	1,205,114	482,753	2,968,431
	1927	929	123,360	162,002	724,111	1,138,090	413,979	2,642,866
	1925	763	123,842	160,146	605,860	971,882	366,022	2,427,010
	1923	746	120,677	151,477	573,727	907,347	333,620	2,178,623
	1921	738	105,294	127,029	445,092	667,436	221,444	
Paper [2]	1929	685	103,320	140,398	574,608	967,186	392,578	[13]2,968,431
	1927	710	98,566	130,475	572,786	919,391	347,106	[13]2,642,866
Pulp (wood and other fiber). [2]	1929	198	24,729	32,679	148,753	238,928	90,176	[14]
	1927	219	24,794	31,527	151,325	218,198	66,873	[14]
Manufactures of paper, total. [1]	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	289,646	170,888
	1925	1,964	97,660	102,951	313,797	574,932	261,135	147,697
	1923	1,939	93,349	93,667	305,037	549,623	244,586	134,939
	1921	1,862	79,462	75,674	223,078	404,364	181,287	
Bags, paper, exclusive of those made in paper mills.	1929	95	6,970	6,661	43,238	64,621	21,383	13,416
	1927	88	6,463	6,394	40,735	57,490	16,755	9,330
	1925	66	5,585	5,524	29,957	45,978	16,021	6,414
Boxes, paper, not elsewhere classified.	1929	1,249	55,654	57,110	159,840	294,253	134,414	80,004
	1927	1,219	50,393	57,701	163,464	306,555	138,091	81,300
	1925	1,229	57,148	57,172	151,712	281,944	130,232	76,185
	1923	1,216	56,865	53,966	144,980	264,209	120,129	61,687
	1921	1,191	46,242	40,477	88,208	174,248	85,980	
Labels and tags	1929	153	4,474	5,869	10,556	28,042	17,487	6,473
	1927	121	6,141	8,000	16,259	34,398	18,138	6,869
	1925	113	5,356	6,730	13,006	28,045	14,950	4,803
Card cutting and designing.	1929	70	2,338	2,725	9,286	19,648	10,362	3,000
	1927	60	2,024	2,707	7,544	16,871	9,327	3,915
	1925	49	1,036	1,084	2,436	6,201	3,765	1,355
Cardboard, not made in paper mills.	1929	13	609	819	2,065	5,629	2,964	1,540
	1927	9	658	849	2,868	5,581	2,713	1,779
	1925	13	978	1,188	3,475	7,288	3,813	1,795
Envelopes	1929	171	10,367	11,527	29,928	61,287	31,359	13,077
	1927	153	9,745	10,755	28,973	56,006	27,033	11,391
	1925	135	9,052	9,937	27,423	51,189	23,766	10,283
Wall paper	1929	56	4,705	5,732	13,430	30,008	16,527	12,740
	1927	53	4,811	5,981	14,612	30,059	15,447	13,343
	1925	49	5,069	5,863	14,990	30,069	15,070	11,528
Paper goods, not elsewhere classified.	1929	436	20,227	23,810	100,369	182,648	82,279	67,145
	1927	340	14,837	17,765	78,797	140,948	62,151	42,955
	1925	310	13,388	15,403	70,700	124,217	53,517	35,324
PRINTING, PUBLISHING, AND ALLIED INDUSTRIES								
Printing and publishing. [1]	1929	24,369	280,903	596,142	661,409	2,760,945	2,099,536	544,526
	1927	22,558	262,740	474,639	664,528	2,521,208	1,856,680	482,295
	1925	21,072	252,515	440,427	612,060	2,283,304	1,671,244	409,121
	1923	20,471	247,384	400,486	587,109	2,030,615	1,443,505	358,019
	1921	20,336	230,305	357,515	590,617	1,838,340	1,247,723	
Printing and publishing, book and job. [1]	1929	12,713	150,398	251,324	266,913	1,006,664	739,751	211,499
	1927	11,466	142,347	241,810	253,056	920,251	667,195	194,718
	1925	10,338	134,559	221,425	230,691	820,553	589,862	170,096
	1923	10,094	130,319	202,315	221,377	747,486	526,110	153,334
	1921	9,776	121,871	181,910	217,476	700,605	483,129	
Printing and publishing, music.	1929	124	811	1,314	1,542	15,240	13,698	956
	1927	119	994	1,678	1,653	16,382	14,223	1,343
	1925	109	955	1,462	1,828	15,090	13,261	1,363
Printing and publishing, newspaper and periodical.	1929	11,532	129,699	343,504	392,954	1,739,041	1,346,087	332,071
	1927	10,973	119,399	231,151	409,814	1,585,076	1,175,262	286,234
	1925	10,625	117,001	217,541	379,541	1,447,661	1,068,120	237,662
	1923	10,267	115,646	196,804	363,480	1,268,502	905,022	203,454
	1921	10,453	107,534	174,369	371,124	1,123,710	752,586	

Footnotes at end of table.

No. 814.—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	Horsepower
				In thousands of dollars				
PRINTING, PUBLISHING, AND ALLIED INDUSTRIES—Con.								
Other industries related to printing and publishing, total.	1929	3,102	76,876	130,070	106,458	409,037	303,479	104,553
	1927	2,875	65,863	111,544	90,509	338,652	248,143	87,233
	1925	2,754	62,749	101,991	82,517	313,567	231,050	76,966
	1923	2,643	60,609	92,420	78,545	284,703	206,158	71,948
	1921	2,441	52,195	77,213	72,683	240,424	167,740	
Bookbinding and blank-book making.	1929	1,108	24,754	31,769	30,755	102,783	72,029	21,441
	1927	1,063	21,909	28,281	25,875	87,327	61,452	19,038
	1925	970	20,836	26,006	24,127	81,600	57,473	16,147
Engravers' materials	1929	19	313	448	1,795	3,129	1,335	1,493
	1927	17	178	294	1,289	2,169	879	864
	1925	16	177	276	1,202	2,014	812	921
Engraving, steel and copperplate, and plate printing.	1929	456	10,130	14,489	11,865	47,162	35,297	8,506
	1927	393	8,549	11,886	10,236	39,071	28,835	6,894
	1925	368	7,259	10,169	7,628	32,106	24,478	5,764
Engraving (other than steel, copperplate, or wood), chasing, etching, and diesinking.	1929	189	2,241	3,212	2,583	10,934	8,351	2,966
	1927	173	1,805	2,612	2,078	7,931	5,853	2,028
	1925	188	1,827	2,691	2,177	8,623	6,446	1,753
Engraving, wood	1929	27	143	323	82	739	657	54
	1927	23	132	291	76	641	565	45
	1925	22	117	234	46	525	479	32
Photo-engraving, not done in printing establishments.	1929	654	12,354	31,831	11,003	77,382	66,379	9,349
	1927	611	11,033	28,381	10,790	69,207	58,417	9,366
	1925	577	9,868	24,321	8,393	58,640	50,248	6,735
Lithographing	1929	376	18,979	32,022	38,992	121,014	82,023	35,470
	1927	309	16,348	27,466	32,704	97,050	64,346	28,541
	1925	331	16,957	27,107	32,171	98,721	66,550	28,623
Stereotyping and electrotyping, not done in printing establishments.	1929	230	6,490	13,771	6,550	35,611	29,061	21,347
	1927	197	4,602	10,273	4,677	25,549	20,872	16,888
	1925	193	4,283	9,207	4,280	22,361	18,081	13,774
Printing materials, not including type or printing ink.	1929	84	1,005	1,649	2,185	8,579	6,394	2,709
	1927	70	882	1,402	2,034	7,022	4,988	2,339
	1925	71	888	1,379	1,787	6,526	4,739	1,981
Type founding	1929	19	467	556	648	2,604	1,956	1,218
	1927	19	525	658	749	2,684	1,935	1,230
	1925	18	537	603	705	2,451	1,745	1,236
CHEMICALS AND ALLIED PRODUCTS								
Chemicals and allied products other than animal, vegetable, and compounded oils, total.	1929	7,599	200,824	336,816	1,570,431	3,289,289	1,709,758	1,080,145
	1927	6,760	228,674	294,090	1,409,190	2,855,979	1,446,789	1,528,092
	1925	6,509	222,112	275,579	1,374,950	2,651,375	1,276,425	1,464,454
	1923	6,424	226,710	271,444	1,316,282	2,472,610	1,156,328	1,388,993
	1921	6,438	177,525	204,712	1,022,489	1,840,964	818,475	
Ammunition and related products.	1929	21	7,223	8,273	19,842	43,809	23,967	17,061
	1927	20	7,602	8,266	20,945	45,602	24,657	17,175
	1925	27	7,777	7,987	22,820	41,707	18,887	23,316
Explosives	1929	95	5,614	8,488	31,754	72,540	40,785	51,612
	1927	100	5,803	8,131	36,894	72,490	35,596	38,239
	1925	103	5,697	7,731	37,877	69,669	31,791	37,808
Fireworks	1929	50	1,811	1,931	2,465	6,583	4,119	1,746
	1927	36	1,564	1,395	2,624	5,885	3,261	1,300
	1925	41	1,446	1,429	2,399	6,031	3,632	1,148

Footnotes at end of table.

No. 814.—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	Horsepower
				In thousands of dollars				
CHEMICALS AND ALLIED PRODUCTS—Continued								
Baking powders, yeast, and other leavening compounds.	1929	48	3,006	4,847	22,598	52,337	29,738	42,788
	1927	47	3,032	4,794	24,619	[7] 55,716	[7] 31,097	42,816
	1925	49	2,931	4,063	23,376	[7] 53,347	[7] 29,972	36,033
Blacking, stains, and dressings.	1929	170	1,617	1,969	8,345	24,682	16,337	3,317
	1927	176	1,716	2,181	9,186	22,548	13,363	4,005
	1925	171	1,809	2,164	9,734	25,055	15,322	2,659
Bluing	1929	20	105	107	469	1,365	896	169
	1927	20	155	151	594	1,674	1,080	303
	1925	23	176	185	1,017	2,167	1,150	363
Bone black, carbon black, and lampblack.	1929	77	1,915	2,583	9,096	20,170	11,074	11,268
	1927	67	1,553	2,047	6,571	14,262	7,691	8,065
	1925	66	1,505	1,722	5,655	14,565	8,910	7,289
Candles	1929	20	781	923	3,251	6,686	3,436	1,971
	1927	17	709	761	2,959	6,351	3,392	996
	1925	20	626	673	2,786	5,114	2,328	922
Chemicals, not elsewhere classified.[1, 15]	1929	551	62,199	94,680	363,577	738,048	374,472	854,358
	1927	492	52,347	78,275	296,677	572,091	275,414	576,285
	1925	751	57,890	83,537	232,712	570,310	287,598	545,797
	1923	773	77,254	103,301	328,597	955,275	326,678	502,023
	1921	723	49,138	62,161	200,273	412,231	211,959	
Cleaning and polishing preparations.	1929	429	2,713	3,356	19,399	50,780	31,381	10,609
	1927	341	2,403	2,988	15,220	41,234	26,015	8,485
	1925	299	2,161	2,660	12,707	34,020	21,313	6,279
Drug grinding	1929	26	677	841	5,675	9,669	3,994	5,277
	1927	25	659	820	5,684	9,205	3,522	4,662
	1925	22	622	710	4,921	8,446	3,525	4,389
Druggists' preparations	1929	429	10,688	12,452	43,776	124,778	81,003	19,443
	1927	373	10,138	11,942	40,499	110,309	69,810	15,919
	1925	370	9,685	11,078	36,064	95,420	59,356	12,553
Patent and proprietary medicines and compounds.	1929	1,522	16,434	18,781	94,770	318,907	224,137	44,538
	1927	1,282	15,071	16,607	84,541	278,243	193,602	34,082
	1925	1,279	14,802	15,592	84,790	247,564	162,774	33,940
	1923	1,363	17,353	16,915	88,802	237,404	148,602	29,998
	1921	1,436	13,800	13,684	69,571	176,898	106,327	
Perfumes, cosmetics, and toilet preparations.	1929	815	13,109	13,763	58,209	193,441	135,142	12,150
	1927	705	10,463	10,965	52,765	161,246	108,480	10,431
	1925	594	8,714	8,537	46,933	129,510	82,578	7,381
Tanning materials, natural dyestuffs, mordants and assistants, and sizes.	1929	126	2,419	3,114	25,336	39,836	14,500	22,575
	1927	122	2,414	2,971	23,074	35,677	12,603	29,172
	1925	125	2,405	2,987	22,763	34,784	12,021	32,634
Fertilizers	1929	638	20,926	17,884	159,801	232,511	72,710	166,984
	1927	621	18,612	17,650	138,143	190,395	52,242	156,274
	1925	537	19,644	17,743	137,808	206,773	68,965	152,193
	1923	573	18,572	16,365	127,980	183,089	55,109	161,774
	1921	538	16,898	16,026	144,978	180,375	35,397	
Compressed and liquefied gases.[16]	1929	354	3,390	5,378	14,529	52,190	37,661	85,293
	1927	313	3,212	4,948	11,749	50,547	38,799	70,489
Glue and gelatin	1929	74	2,993	4,236	18,976	32,458	13,480	23,584
	1927	61	3,226	4,524	19,223	31,196	11,973	24,763
	1925	55	3,325	3,976	15,338	25,764	10,426	22,807
Mucilage, paste, and other adhesives, except glue and rubber cement.	1929	84	414	547	3,069	6,638	2,970	2,564
	1927	80	502	679	4,270	7,945	3,675	2,219
	1925	84	551	766	5,563	9,853	4,291	2,574
Grease and tallow, not including lubricating greases.	1929	207	5,475	7,862	40,142	61,608	21,466	41,636
	1927	247	5,052	7,403	38,272	56,280	18,008	34,069
	1925	263	5,303	7,508	33,713	51,442	17,729	30,840

Footnotes at end of table.

No. 814.—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	Horsepower
				In thousands of dollars				
CHEMICALS AND ALLIED PRODUCTS—Continued								
Ink, printing	1929	147	2,448	3,957	19,205	42,750	23,545	20,300
	1927	123	2,288	3,665	16,054	37,734	21,680	18,901
	1925	109	2,150	3,346	16,253	34,753	18,501	17,041
Ink, writing	1929	29	416	480	1,993	4,595	2,602	847
	1927	24	491	576	2,209	5,342	3,133	743
	1925	28	524	596	2,424	6,084	3,660	700
Alcohol, ethyl, and distilled liquors.	1929	30	1,484	2,131	35,046	54,285	19,239	13,577
	1927	28	1,180	1,705	19,310	33,971	14,661	7,201
	1925	31	1,395	1,838	38,564	57,706	19,141	10,268
Liquors, vinous	1929	24	185	278	609	2,448	1,839	1,188
	1927	13	150	177	1,206	2,693	1,487	999
	1925	27	265	262	1,765	3,436	1,671	1,499
Paints and varnishes	1929	1,063	29,211	42,245	334,132	568,976	234,844	180,315
	1927	1,006	28,061	40,185	307,724	519,010	211,285	163,187
	1925	923	25,490	35,420	293,943	470,736	176,793	143,111
	1923	826	22,818	29,871	248,955	404,135	155,180	114,281
	1921	804	18,015	23,293	171,398	274,310	102,912	
Rayon and allied products.	1929	20	30,100	44,697	33,335	149,546	116,211	195,844
	1927	19	26,341	28,049	25,748	109,888	84,141	122,406
	1925	14	19,128	22,976	18,478	88,061	69,583	66,966
Salt	1929	58	5,454	6,735	14,188	37,869	23,681	57,711
	1927	58	5,961	7,117	14,664	34,329	19,665	55,928
	1925	70	6,308	7,261	13,849	34,253	20,404	54,647
Soap	1929	282	14,363	18,995	180,353	310,192	129,839	65,856
	1927	256	13,432	19,716	172,244	287,060	114,816	62,025
	1925	272	15,406	18,526	184,874	278,273	93,400	56,697
	1923	270	17,002	20,777	173,546	276,403	102,857	74,820
	1921	283	16,558	18,865	150,356	240,195	89,839	
Wood distillation and charcoal manufacture.	1929	91	4,648	5,203	14,791	20,594	14,803	25,509
	1927	88	4,537	4,739	15,423	27,630	12,208	16,833
	1925	106	4,217	4,305	15,824	25,283	9,459	17,907
Animal, vegetable, and compounded oils, total.	1929	679	20,039	17,577	391,282	470,116	78,884	332,150
	1927	781	24,762	23,818	393,895	495,913	102,018	320,217
	1925	773	22,700	20,946	455,642	559,856	104,214	283,827
	1923	773	19,817	17,390	386,662	460,951	74,290	265,235
	1921	910	22,071	19,621	330,416	384,954	54,538	
Oil, cake, and meal, cottonseed.	1929	553	15,825	11,203	249,020	298,376	49,356	284,395
	1927	547	18,434	14,259	220,038	276,338	56,300	270,500
	1925	535	16,216	11,412	244,315	295,685	51,369	239,005
	1923	511	12,745	7,908	197,515	226,388	28,873	223,742
	1921	610	16,163	12,340	194,804	217,225	22,361	
Oils, essential	1929	22	265	326	3,804	6,653	2,849	1,804
	1927	14	169	258	3,427	4,642	1,215	758
	1925	14	178	281	4,363	5,882	1,519	1,164
Oil, cake, and meal, linseed.	1929	29	2,715	4,098	101,563	119,927	18,364	31,191
	1927	33	2,718	4,325	97,750	111,544	13,793	28,273
	1925	33	2,692	4,290	121,762	140,514	18,751	25,809
Oils, not elsewhere classified.[2]	1929	75	1,234	1,950	36,896	45,160	8,264	14,670
PRODUCTS OF PETROLEUM AND COAL								
Coke, not including gas-house coke.	1929	153	20,552	33,389	263,608	393,566	129,957	393,211
	1927	171	21,082	34,168	286,729	382,013	95,284	451,874
	1925	237	23,191	36,762	277,751	378,634	100,883	409,552
	1923	262	28,364	48,108	354,030	516,922	162,892	332,560
	1921	176	16,070	23,833	168,791	221,313	52,522	

Footnotes at end of table.

No. 814.—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	Horsepower
				In thousands of dollars				
PRODUCTS OF PETROLEUM AND COAL—Continued								
Fuel, manufactured	1929	23	426	584	5,919	9,498	3,579	14,893
	1927	20	274	446	4,873	7,203	2,330	9,594
	1925	14	246	369	3,936	6,019	2,084	6,573
Gas, manufactured, illuminating and heating.	1929	754	43,065	60,161	188,410	512,653	324,236	544,024
	1927	828	48,497	68,356	211,780	516,705	304,920	496,014
	1925	919	46,998	67,436	178,423	455,460	277,037	428,132
	1923	939	42,282	59,600	191,120	450,097	258,977	358,605
	1921	954	34,956	53,306	202,253	411,196	208,942	----------
Lubricating oils and greases, not made in petroleum refineries.[2]	1929	177	2,577	3,739	39,571	69,584	30,013	13,281
Petroleum refining	1929	390	80,596	131,177	2,031,341	2,639,665	608,324	789,849
	1927	354	71,234	113,717	1,752,997	2,142,649	389,651	552,651
	1925	359	65,324	104,645	1,880,678	2,376,067	486,979	393,753
	1923	382	66,717	103,534	1,425,053	1,793,700	368,647	349,154
	1921	366	63,189	102,294	1,382,170	1,727,440	345,270	----------
RUBBER PRODUCTS								
Boots and shoes, rubber.	1929	22	25,659	28,945	34,396	102,538	68,141	62,603
	1927	22	26,848	32,079	43,373	124,608	81,235	68,359
	1925	23	24,999	28,058	40,566	115,935	75,368	59,413
Rubber tires and inner tubes.	1929	91	83,263	127,082	429,307	770,177	340,870	463,287
	1927	109	78,256	120,054	499,221	869,688	370,467	451,724
	1925	126	81,640	120,614	559,940	925,002	365,062	403,227
	1923	160	73,063	108,623	365,105	644,194	279,029	370,551
	1921	178	55,496	75,054	291,554	496,123	204,569	----------
Rubber goods, other than tires, inner tubes, and boots and shoes.[17]	1929	412	40,226	50,279	114,374	244,746	130,071	295,452
	1927	385	36,393	45,931	117,777	230,781	113,005	270,539
	1925	381	35,230	42,613	121,224	219,869	98,645	197,051
	1923	344	34,470	39,790	90,729	182,584	91,855	178,899
	1921	294	23,889	25,131	54,192	114,747	60,555	----------
LEATHER AND ITS MANUFACTURES								
Leather: Tanned, curried, and finished.	1929	471	49,932	63,414	337,598	481,340	143,742	229,660
	1927	494	52,924	67,887	331,985	494,256	162,271	220,530
	1925	531	52,263	65,834	296,953	452,186	155,233	215,678
	1923	597	59,703	73,784	321,750	488,893	167,148	230,187
	1921	608	48,955	57,741	277,725	383,365	105,640	----------
Finished products of leather, total.	1929	3,815	268,482	295,999	794,344	1,424,636	630,292	207,021
	1927	3,771	263,067	296,560	756,056	1,375,049	618,393	199,061
	1925	3,712	261,762	289,512	715,927	1,311,523	595,596	197,495
	1923	4,272	285,747	315,712	775,065	1,404,735	629,670	190,277
	1921	4,205	231,116	256,671	656,673	1,160,821	504,148	----------
Belting, leather	1929	207	2,602	3,550	20,380	35,632	14,952	6,823
	1927	173	2,164	2,925	16,185	27,266	11,080	6,728
	1925	168	2,644	3,505	18,868	31,811	12,943	6,889
Boots and shoes, other than rubber.	1929	1,341	205,640	222,408	515,055	965,023	450,867	141,071
	1927	1,357	203,110	225,090	494,553	944,714	450,161	138,706
	1925	1,460	206,992	225,788	481,532	925,383	443,751	139,569
	1923	1,606	225,216	250,346	527,457	1,000,078	472,621	128,550
	1921	1,505	183,502	204,954	478,432	867,476	389,044	----------
Boot and shoe cut stock, not made in boot and shoe factories.	1929	210	9,499	10,320	107,546	133,448	25,902	15,816
	1927	201	8,611	9,364	97,966	121,022	23,056	15,718
	1925	245	7,977	8,906	75,326	94,048	18,721	14,859
Boot and shoe findings, not made in boot and shoe factories.	1929	382	10,376	11,058	31,964	58,625	26,661	20,143
	1927	379	9,950	11,202	31,862	57,433	25,571	18,021
	1925	326	8,605	9,695	29,248	52,064	22,816	15,419

Footnotes at end of table.

No. 814.—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	Horsepower
				In thousands of dollars				
LEATHER, ETC.—Continued								
Gloves and mittens, leather.	1929	257	9,203	9,204	20,206	39,123	18,917	3,488
	1927	232	9,106	8,814	19,276	36,662	17,386	2,603
	1925	226	7,115	6,915	17,779	33,293	15,514	3,266
Pocketbooks, purses, and cardcases.	1929	200	10,429	15,220	35,352	68,628	33,276	1,817
	1927	257	8,570	13,170	29,019	57,345	27,726	1,725
	1925	190	6,826	9,022	22,442	43,105	20,663	1,356
Saddlery and harness..	1929	260	3,339	3,714	13,834	23,339	9,504	4,669
	1927	264	4,023	4,541	16,526	27,356	10,830	4,908
	1925	258	4,570	5,000	18,776	30,084	11,308	5,021
Trunks, suitcases, and bags.	1929	467	11,359	13,757	31,094	63,969	32,275	10,069
	1927	495	10,345	13,085	29,128	59,959	30,830	9,001
	1925	475	10,348	13,226	31,382	61,224	29,842	7,893
Leather goods, not elsewhere classified.	1929	392	6,035	6,760	18,013	35,951	17,938	3,134
	1927	413	7,188	8,379	21,540	43,292	21,752	3,651
	1925	364	6,685	7,396	20,474	40,512	20,038	3,223
STONE, CLAY, AND GLASS PRODUCTS								
Industries using stone as a material, total.	1929	5,147	116,398	171,627	268,463	751,256	482,792	1,856,952
	1927	5,156	126,509	187,879	303,632	787,843	484,211	1,672,639
	1925	4,852	123,609	178,644	300,793	779,031	478,238	1,365,906
	1923	4,921	118,560	167,466	273,368	697,461	424,092	1,071,210
	1921	4,752	84,565	109,834	212,557	464,613	252,056	
Concrete products.....	1929	2,439	16,503	22,682	34,059	92,947	58,887	67,651
	1927	2,330	17,808	24,808	33,913	93,259	59,346	54,342
	1925	1,666	14,722	20,761	27,782	75,214	47,422	38,361
Marble, granite, slate, and other stone products.	1929	1,881	37,805	63,057	57,831	192,164	134,332	305,915
	1927	1,978	40,474	68,491	66,328	201,181	134,853	295,174
	1925	2,356	36,575	59,593	66,976	193,047	126,071	240,297
Lime.....	1929	237	8,554	9,476	13,908	35,816	21,908	90,276
	1927	260	10,903	12,191	17,269	41,587	24,318	84,195
	1925	283	12,095	14,002	20,049	50,736	30,687	87,871
Cement.....	1929	174	33,368	48,849	95,242	267,509	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	114,189	300,895	186,726	871,650
	1923	133	35,091	49,708	100,767	264,098	163,332	642,840
	1921	125	26,231	34,416	102,300	203,627	101,267	
Wall plaster, wallboard, and floor composition.	1929	236	7,463	10,007	28,313	70,663	42,350	142,354
	1927	221	10,014	14,412	31,998	83,856	51,858	116,230
	1925	222	10,978	16,078	39,553	90,957	51,404	82,863
Asbestos products, other than steam packing or pipe and boiler covering.	1929	67	8,092	10,777	25,408	56,164	30,756	40,458
	1927	62	6,337	8,376	21,518	44,156	22,639	26,525
	1925	49	6,129	7,092	19,225	36,274	17,049	22,918
Emery wheels and other abrasive and polishing appliances.	1929	67	3,873	5,820	12,417	32,154	19,738	18,113
	1927	68	3,261	4,608	10,840	24,182	13,342	13,464
	1925	63	3,352	4,770	11,104	25,730	14,626	11,654
Grindstones, pulpstones, and millstones, hones, whetstones, and similar products.[2]	1929	6	174	182	341	869	528	850
Sand-lime brick.....	1929	40	566	776	945	2,971	2,026	7,346
	1927	45	790	1,051	1,158	3,616	2,458	8,599
	1925	41	801	1,119	1,238	3,760	2,522	6,398

Footnotes at end of table.

No. 814.—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	Horsepower
				In thousands of dollars				
STONE, CLAY, ETC.—Continued								
Industries using clay and other earths as materials, total.	1929	2,370	133,667	158,476	122,822	441,207	318,444	641,300
	1927	2,598	148,850	182,466	156,264	488,559	332,295	707,248
	1925	2,683	150,953	189,012	155,937	502,770	346,833	700,775
	1923	2,734	151,176	185,282	155,034	497,812	342,778	613,802
	1921	2,624	106,627	120,200	108,774	316,056	207,282	----------
Clay products (other than pottery) and nonclay refractories.	1929	1,749	93,336	106,918	81,690	294,935	213,236	533,887
	1927	1,846	100,972	121,968	99,870	319,908	220,038	529,581
	1925	1,939	102,777	127,127	100,013	333,730	233,717	517,204
	1923	1,983	102,723	123,773	103,318	333,416	230,098	480,576
	1921	1,881	68,759	73,726	68,276	194,329	126,053	----------
Pottery, including porcelain ware.	1929	313	35,409	43,656	27,007	110,622	83,615	61,868
	1927	316	36,667	45,150	33,581	110,597	77,017	54,879
	1925	309	36,536	46,769	33,926	111,078	77,152	50,141
China firing and decorating, not done in potteries.	1929	27	317	420	640	1,554	914	53
	1927	31	366	428	682	1,602	1,010	43
	1925	31	333	386	672	1,590	918	38
Crucibles	1929	11	321	430	1,035	2,945	1,909	1,680
	1927	11	258	344	772	1,982	1,210	1,088
	1925	11	284	381	755	2,092	1,337	1,476
Graphite, ground and refined.	1929	11	494	627	1,458	3,760	2,302	3,156
	1927	13	289	341	1,319	2,932	1,612	3,011
	1925	11	228	278	1,328	2,569	1,241	2,927
Minerals and earths, ground or otherwise treated. [2]	1929	88	1,679	2,188	8,938	17,409	8,471	39,117
Statuary and art goods, factory product.	1929	171	2,111	4,236	2,045	10,042	7,997	1,530
	1927	136	2,028	4,404	2,415	10,187	7,772	1,137
	1925	137	2,033	4,188	2,078	9,330	7,251	1,340
Glass and manufactures of glass, total.	1929	998	78,335	102,553	135,270	368,934	233,664	356,150
	1927	919	74,598	93,928	134,879	336,147	201,268	329,244
	1925	938	78,384	99,356	146,696	358,850	212,154	281,476
	1923	962	81,956	100,819	145,070	367,848	222,778	250,982
	1921	971	61,708	77,031	106,926	252,420	145,494	----------
Glass	1929	263	67,527	87,795	103,294	303,819	200,525	341,979
	1927	269	65,825	81,353	109,911	282,394	172,483	318,298
	1925	310	69,371	86,736	113,652	295,959	182,307	271,639
	1923	333	73,335	89,898	113,170	309,363	196,193	240,528
	1921	329	54,748	68,224	86,036	213,471	127,435	----------
Glass cutting, staining, and ornamenting.	1929	431	6,029	7,815	16,310	33,273	16,954	5,757
	1927	400	4,465	6,215	8,779	22,328	13,549	3,316
	1925	410	4,860	6,517	13,331	27,943	14,612	3,531
Mirrors, framed and unframed.	1929	304	4,779	6,943	15,658	31,843	16,185	8,414
	1927	250	4,308	6,361	16,189	31,425	15,236	7,630
	1925	218	4,153	6,104	19,713	34,949	15,236	6,306
IRON AND STEEL AND THEIR PRODUCTS, NOT INCLUDING MACHINERY								
Crude iron and steel and rolled products, total.	1929	591	419,535	730,974	2,514,818	4,137,214	1,622,396	7,532,530
	1927	602	389,270	645,534	2,269,210	3,488,744	1,219,534	6,781,053
	1925	595	399,914	660,297	2,429,378	3,711,354	1,281,976	6,143,927
	1923	658	424,913	696,760	2,872,028	4,161,938	1,289,910	5,999,941
	1921	628	254,213	354,357	1,366,175	1,901,430	535,255	----------
Iron and steel: Blast furnaces.	1929	105	24,960	41,959	610,294	771,425	161,132	2,221,548
	1927	116	27,958	44,258	579,655	708,904	129,349	[18]
	1925	122	29,188	45,312	617,417	765,286	147,869	1,380,394
	1923	169	36,712	58,936	827,680	1,007,613	179,933	1,686,419
	1921	134	18,698	29,370	361,050	419,771	58,721	----------

Footnotes at end of table.

No. 814.—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	Horsepower
				In thousands of dollars				
IRON AND STEEL, ETC.—Continued								
Iron and steel: Steel works and rolling mills.	1929	486	394,575	689,016	1,904,524	3,365,789	1,461,265	5,310,982
	1927	486	361,312	601,275	1,689,655	2,779,840	1,090,185	[18]6,731,058
	1925	473	370,726	614,085	1,811,961	2,946,068	1,134,107	4,763,533
	1923	489	388,201	637,825	2,044,398	3,154,325	1,109,927	4,313,522
	1921	494	235,515	324,987	1,005,125	1,481,659	476,534	
Other iron and steel products, total.[1]	1929	6,053	463,262	649,850	1,349,740	3,000,792	1,651,052	1,678,956
	1927	5,738	445,697	618,278	1,275,405	2,708,850	1,433,445	1,541,672
	1925	5,468	450,869	623,544	1,304,707	2,747,327	1,442,621	1,374,799
	1923	5,695	467,272	627,412	1,280,713	2,665,732	1,385,019	1,259,068
	1921	5,623	317,213	376,518	773,996	1,554,110	780,114	
Bolts, nuts, washers, and rivets, not made in rolling mills.[20]	1929	117	18,675	22,116	44,212	102,392	58,180	66,743
	1927	115	13,614	17,324	38,302	75,876	37,574	69,403
	1925	127	13,907	17,942	38,507	75,926	37,419	59,767
Cast-iron pipe	1929	72	19,741	22,552	34,289	80,261	69,757	45,971
	1927	82	22,892	25,982	48,225	95,089	46,864	63,120
	1925	77	23,033	27,438	48,847	100,919	52,073	54,820
Doors, shutters, and windows, sash and frames, metal.	1929	149	9,565	17,078	29,178	72,160	42,982	25,027
	1927	117	8,050	15,564	25,602	65,280	39,678	20,626
	1925	92	6,791	12,899	21,628	50,078	28,450	16,699
Forgings, iron and steel, not made in rolling mills.[20 21]	1929	218	20,548	34,505	71,716	156,249	84,533	147,511
	1927	219	15,594	23,540	52,102	105,036	52,934	127,075
	1925	227	20,483	31,538	68,577	135,919	67,341	121,056
Nails, spikes, etc., not made in wire mills or rolling mills.[20]	1929	55	2,027	2,553	6,244	12,855	6,611	8,896
	1927	56	2,100	2,670	5,157	11,753	6,597	8,073
	1925	58	2,227	2,610	5,646	12,318	6,673	8,102
Springs, steel, except wire, not made in rolling mills.[20]	1929	86	5,842	9,314	25,372	46,267	20,894	24,318
	1927	94	5,753	8,913	24,509	43,821	19,222	22,263
	1925	98	5,897	8,989	23,609	44,409	20,860	22,492
Steel barrels, kegs, and drums.	1929	53	4,110	5,769	21,947	37,825	15,878	15,280
	1927	39	2,853	3,986	14,736	24,105	9,369	11,220
	1925	33	2,021	2,914	12,743	19,928	7,185	7,739
Structural and ornamental iron and steel work, not made in rolling mills.[20]	1929	1,482	54,947	87,786	246,413	477,037	230,624	266,133
	1927	1,284	52,392	84,578	243,446	440,376	196,930	251,670
	1925	1,136	48,341	77,411	237,653	420,998	183,345	211,732
	1923	1,056	51,591	80,833	225,487	406,117	180,630	205,518
	1921	1,021	32,897	47,455	151,011	250,086	99,075	
Iron and steel, processed.	1929	46	511	878	1,070	3,865	2,796	2,210
	1927	33	231	392	510	1,443	934	1,716
	1925	26	306	557	643	2,114	1,471	1,870
Wrought pipe, welded and heavy riveted, not made in rolling mills.[20]	1929	51	11,474	18,762	70,569	125,315	54,746	68,892
	1927	44	11,083	16,066	55,779	98,186	42,407	53,938
	1925	42	10,871	17,157	59,142	94,695	35,553	41,306
Firearms	1929	21	6,838	9,200	4,117	21,970	17,853	13,065
	1927	20	6,130	7,934	5,048	19,452	14,405	15,747
	1925	20	4,470	5,584	3,174	15,179	12,005	14,580
Galvanizing and other coating, not done in rolling mills.[20]	1929	65	1,126	1,564	3,939	7,607	3,727	2,266
	1927	59	953	1,449	3,722	6,951	3,228	2,657
	1925	54	804	1,128	2,892	5,933	3,041	1,881
Hardware, not elsewhere classified.	1929	484	52,098	67,703	76,480	229,344	152,864	112,705
	1927	485	47,834	60,827	71,877	208,254	136,377	90,674
	1925	476	52,349	66,562	77,503	225,053	147,550	93,278
	1923	473	52,205	63,471	80,598	216,960	135,362	84,006
	1921	456	35,228	36,240	41,520	120,600	79,080	
Plumbers' supplies, not including pipe or vitreous china sanitary ware.	1929	255	27,943	35,731	49,033	120,674	80,641	99,421
	1927	231	29,245	40,212	55,633	145,262	89,629	90,203
	1925	239	33,280	46,954	63,610	167,878	104,268	84,534
Safes and vaults [2]	1929	27	3,033	4,430	6,392	19,362	12,970	10,809
	1927	25	3,886	4,494	7,226	18,440	11,213	9,688

Footnotes at end of table.

No. 814.—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	Horsepower
				In thousands of dollars				
IRON AND STEEL, ETC.—Continued								
Screw-machine products and wood screws.	1929	273	19,881	28,087	39,163	105,975	66,812	64,840
	1927	218	13,690	18,055	25,910	60,020	34,110	43,408
	1925	205	14,071	18,194	25,076	59,615	34,539	42,484
Steam fittings and steam and hot-water heating apparatus.	1929	240	39,621	58,975	72,708	228,310	155,602	151,514
	1927	232	42,893	64,851	76,835	225,158	148,323	132,723
	1925	225	43,260	63,979	77,357	228,930	151,573	109,313
	1923	236	44,141	64,807	83,297	221,954	138,657	91,085
	1921	274	30,808	39,596	50,213	127,367	77,154	
Stoves and ranges (other than electric), and warm-air furnaces.	1929	612	46,615	65,135	100,744	271,740	170,996	113,185
	1927	564	45,180	64,327	93,096	258,286	165,190	100,009
	1925	564	46,514	66,299	95,873	264,303	168,430	94,126
	1923	588	49,812	68,331	102,568	268,262	165,694	87,664
	1921	512	32,451	39,308	62,217	144,285	82,068	
Tin cans and other tinware, not elsewhere classified.[22]	1929	232	31,497	39,379	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	175,779	260,360	84,581	48,728
	1923	241	30,511	32,816	135,980	215,971	79,991	41,252
	1921	244	22,711	24,595	103,748	168,305	59,557	
Tools and cutlery:								
Cutlery (not including silver and plated cutlery) and edge tools.	1929	239	14,991	17,647	14,873	78,621	63,747	49,886
	1927	230	17,178	20,270	19,126	76,688	57,562	43,419
	1925	211	16,407	20,226	20,562	80,263	59,701	51,673
Files	1929	33	3,884	5,240	3,053	14,114	11,062	12,091
	1927	36	3,948	5,145	3,136	12,974	9,838	10,979
	1925	38	4,209	5,303	3,518	13,541	10,023	11,534
Saws	1929	81	4,137	5,727	6,884	22,625	15,741	11,904
	1927	77	4,182	5,754	7,674	22,628	14,954	14,526
	1925	71	4,710	5,873	8,224	24,709	16,485	14,287
Tools, not including edge tools, machine tools, files, or saws.[23]	1929	534	19,302	25,808	32,101	99,461	67,360	65,965
	1927	*496*	*16,447*	*20,941*	*23,058*	*76,607*	*48,549*	*57,024*
	1927	657	25,232	34,465	37,057	117,481	80,374	85,963
	1925	663	25,340	34,294	39,023	121,263	82,240	78,686
Wire, drawn from purchased bars or rods.	1929	81	22,468	35,110	126,182	213,997	87,815	150,345
	1927	73	19,866	30,038	128,092	190,710	62,617	152,574
	1925	68	18,544	26,928	127,251	184,463	57,212	138,115
	1923	64	21,310	29,862	133,883	196,364	62,481	123,923
	1921	61	14,832	17,810	62,705	99,946	37,240	
Wirework, not elsewhere classified.	1929	547	22,388	27,890	68,073	146,805	78,732	48,855
	1927	512	21,697	26,439	63,093	128,536	65,443	45,858
	1925	462	19,268	23,885	59,604	115,429	55,825	35,943
NONFERROUS METALS AND THEIR PRODUCTS								
Smelting and refining, total.	1929	250	36,046	56,447	1,344,040	1,510,642	175,601	711,418
	1927	228	34,087	50,515	935,014	1,086,153	151,138	481,441
	1925	238	37,194	54,793	1,070,193	1,244,506	174,313	479,412
	1923	205	37,634	55,095	924,228	1,060,440	136,213	450,321
	1921	222	20,999	27,807	419,419	491,156	71,737	
Primary, total	1929	75	30,981	49,239	1,199,025	1,345,800	146,775	689,023
	1927	69	30,510	44,800	807,242	942,735	135,493	465,104
	1925	71	32,992	47,948	912,064	1,067,125	155,061	455,496
	1923	88	35,146	51,510	830,090	952,734	122,644	446,047
	1921	85	19,014	25,149	368,332	430,032	61,700	
Copper	1929	26	14,544	23,952	920,352	994,784	74,432	412,874
	1927	26	13,924	20,582	527,764	609,299	81,535	323,799
	1925	26	15,588	22,642	573,190	665,177	91,986	321,909
	1923	29	16,777	26,459	554,100	625,433	71,333	332,943
	1921	28	8,293	11,199	205,904	234,895	28,991	

Footnotes at end of table.

No. 814.—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	Horsepower
				In thousands of dollars				
NONFERROUS METALS AND THEIR PRODUCTS—Contd.								
Lead	1929	19	4,819	7,577	203,914	232,115	28,201	59,936
	1927	18	5,398	7,090	202,859	225,138	22,279	48,298
	1925	17	6,115	9,002	254,881	283,043	28,162	47,219
	1923	20	6,194	8,768	207,315	227,735	20,420	42,377
	1921	23	4,509	5,958	134,061	150,594	16,533	
Zinc	1929	30	11,618	17,710	74,760	118,901	44,141	216,213
	1927	25	11,188	16,528	76,619	108,298	31,679	93,067
	1925	28	11,289	16,305	83,992	118,906	34,913	86,368
Secondary, total	1929	175	5,065	7,208	145,015	173,842	28,827	22,305
	1927	159	3,577	5,715	127,772	143,418	15,646	16,277
	1925	167	4,202	6,845	158,130	177,381	19,251	23,916
Gold, silver, and platinum, reducing and refining, not from the ore.	1929	69	931	1,634	61,570	67,959	6,389	4,221
	1927	67	801	1,435	53,877	62,647	3,770	4,288
	1925	65	1,258	2,166	88,867	95,243	6,376	9,676
Metals other than gold, silver, or platinum, not from the ore.	1929	106	4,134	5,574	83,445	105,883	22,438	18,174
	1927	102	2,776	4,280	68,894	80,771	11,876	11,989
	1925	102	2,944	4,680	69,263	82,138	12,875	14,240
Metals and manufactures of metals,[1]	1929	7,271	278,694	386,032	1,121,632	2,081,416	959,784	975,779
	1927	6,533	238,580	332,070	848,199	1,590,955	742,755	744,970
	1925	6,768	239,422	327,850	878,245	1,595,045	716,800	678,128
	1923	7,296	260,164	339,984	843,410	1,576,720	733,310	710,871
	1921	7,631	191,631	229,085	466,346	916,903	450,058	
Aluminum manufactures.	1929	150	21,210	29,693	94,036	153,457	59,421	107,846
	1927	139	14,798	20,892	79,839	123,557	43,719	71,907
	1925	127	14,353	19,753	84,985	127,831	42,846	62,366
Clocks, clock movements, time-recording devices, and time stamps.	1929	56	10,401	12,482	10,675	42,166	31,491	12,451
	1927	52	9,855	11,751	10,063	38,196	28,133	9,510
	1925	45	7,945	9,238	8,920	29,379	20,459	8,614
Collapsible tubes [24]	1929	17	1,822	1,782	5,375	8,913	3,538	2,272
	1927	17	1,984	1,918	7,104	11,351	4,247	2,849
	1925	16	1,948	1,877	5,604	9,449	3,755	2,671
Watches and watch movements.	1929	8	10,738	12,981	10,456	34,370	23,914	10,146
	1927	11	12,192	15,090	5,871	32,278	26,407	9,357
	1925	13	13,915	16,557	6,178	36,254	30,076	12,348
Watch and clock materials and parts, except watchcases.	1929	17	311	287	257	931	674	197
	1927	17	415	407	315	1,309	994	210
	1925	25	501	480	376	1,363	987	219
Watchcases	1929	40	3,404	4,626	4,631	13,491	8,860	5,581
	1927	40	3,360	4,326	5,311	13,725	8,414	4,121
	1925	45	3,480	4,463	6,050	14,793	8,743	4,106
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified.	1929	2,160	28,591	43,252	112,648	222,485	109,837	53,754
	1927	1,981	24,527	38,668	98,386	191,129	92,743	35,880
	1925	2,107	24,996	37,825	84,080	175,043	90,963	35,273
	1923	2,524	28,852	42,446	93,507	188,908	95,401	34,243
	1921	3,105	25,172	30,562	75,896	148,776	72,880	
Fire extinguishers, chemical.	1929	28	740	959	4,188	8,566	4,379	1,464
	1927	26	832	1,192	4,010	8,035	4,025	1,564
	1925	26	842	1,131	4,122	8,037	3,915	1,440
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering.	1929	582	40,060	50,107	87,639	204,307	116,667	98,454
	1927	476	30,853	38,172	68,880	150,936	82,056	73,619
	1925	465	31,264	38,277	79,737	160,992	81,255	68,121
	1923	412	30,552	44,348	86,340	176,371	90,031	71,053
	1921	388	24,807	27,880	49,293	103,106	53,813	

Footnotes at end of table.

No. 814.—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	Horsepower
				In thousands of dollars				
NONFERROUS METALS, ETC.—Contd.								
Gas and electric fixtures, lamps, lanterns, and reflectors.	1929	614	23,580	33,269	57,921	144,963	87,042	40,204
	1927	481	21,030	29,261	55,609	127,802	72,194	31,291
	1925	517	22,334	31,072	57,771	129,093	71,323	30,038
Needles, pins, hooks and eyes, and snap fasteners.	1929	43	6,242	6,566	6,188	22,091	15,843	6,604
	1927	45	5,606	6,093	5,923	20,325	14,402	7,250
	1925	48	5,850	5,856	5,926	18,174	12,248	7,603
Nonferrous-metal alloys and products.[25]	1929	1,225	79,183	116,944	600,611	909,806	309,195	530,082
	1927	1,197	65,923	95,351	378,190	581,569	203,379	411,925
	1925	1,140	65,135	93,820	401,316	593,556	192,240	369,239
	1923	1,156	67,289	92,249	381,035	573,044	191,108	314,757
	1921	1,047	42,287	49,449	161,273	252,278	91,004	----------
Gold leaf and foil	1929	75	1,177	1,194	1,933	3,978	2,045	383
	1927	77	1,146	1,120	1,721	3,571	1,850	348
	1925	84	1,148	1,113	1,839	3,746	1,907	326
Jewelry	1929	1,536	27,922	37,980	79,805	181,387	101,582	27,402
	1927	1,367	24,116	36,766	76,915	164,865	87,950	17,070
	1925	1,468	23,837	35,177	79,886	166,816	86,931	17,296
Silversmithing and silverware.	1929	83	5,007	7,636	10,135	30,452	20,318	7,315
	1927	84	4,967	7,803	11,165	30,704	19,539	7,499
	1925	93	5,587	8,607	13,106	32,532	19,426	7,770
Plated ware	1929	96	10,723	14,942	16,787	55,430	38,643	28,899
	1927	94	11,752	16,142	20,212	56,720	36,508	27,712
	1925	90	11,290	15,236	20,071	54,330	34,259	23,914
Tin and other foils, not including gold foil.[24]	1929	7	1,710	1,856	13,548	20,955	7,406	18,642
	1927	10	1,658	2,084	15,350	20,952	5,602	18,770
	1925	10	1,670	2,124	15,648	20,611	4,963	16,041
Electroplating	1929	534	5,928	9,537	4,799	23,728	18,929	23,993
	1927	419	3,556	5,629	3,335	13,930	10,595	14,090
	1925	440	3,337	5,254	2,541	12,441	9,899	10,743
MACHINERY, EXCEPT TRANSPORTATION EQUIPMENT								
Agricultural implements.	1929	294	41,662	51,942	114,057	277,804	163,748	128,451
	1927	277	33,346	46,415	85,066	202,732	117,066	117,966
	1925	303	28,696	37,388	73,850	169,468	95,618	115,325
	1923	312	30,962	40,511	63,492	151,286	87,794	121,975
	1921	353	30,359	39,835	87,267	163,817	76,549	----------
Cash registers, adding, calculating, and card tabulating machines.	1929	46	16,840	29,746	10,767	110,001	99,234	28,257
	1927	41	14,372	21,756	11,132	106,845	95,713	21,954
	1925	41	13,296	21,142	11,166	98,384	87,218	17,616
Electrical machinery, apparatus, and supplies.[26]	1929	1,800	322,660	442,910	978,606	2,300,916	1,322,310	896,315
	1927	1,777	241,566	336,239	645,762	1,637,307	991,545	661,108
	1925	1,739	239,921	323,835	636,692	1,540,002	903,310	689,398
	1923	1,671	234,892	305,455	548,627	1,293,002	744,375	480,268
	1921	1,333	161,204	194,242	344,070	833,985	489,915	----------
Engines, turbines, tractors, and water wheels.	1929	199	61,143	98,705	202,900	457,218	254,317	289,009
	1927	215	54,341	84,791	165,203	367,879	202,676	241,788
	1925	220	51,099	73,585	145,784	313,588	167,804	224,194
	1923	249	48,495	70,878	124,543	266,998	142,455	185,137
	1921	296	35,567	52,005	111,698	199,499	87,801	----------
Foundry and machine-shop products, not elsewhere classified.[23 27]	1929	8,609	454,320	697,680	1,038,636	2,791,462	1,752,826	1,812,290
	1927	*8,085*	*398,672*	*590,924*	*878,771*	*2,268,658*	*1,389,888*	*1,556,240*
	1927	8,380	403,939	601,023	883,651	2,291,543	1,407,891	1,561,934
	1925	8,203	403,882	600,022	894,406	2,204,376	1,309,970	1,440,458
	1923	8,531	448,777	642,431	930,231	2,337,073	1,400,842	1,234,323
	1921	9,013	321,363	412,359	653,364	1,565,527	912,163	----------
Gas machines, gas meters, and water and other liquid meters.	1929	72	6,111	8,032	15,187	40,623	25,436	11,024
	1927	58	5,915	8,792	15,591	36,715	21,124	10,427
	1925	61	5,514	7,429	13,038	34,292	21,254	7,375
Machine-tool accessories and small metal-working tools, not elsewhere classified.[28]	1929	722	26,682	51,085	26,993	144,411	117,418	64,398

Footnotes at end of table.

No. 814.—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	Horsepower
				In thousands of dollars				
MACHINERY, EXCEPT TRANSPORTATION EQUIPMENT—Con.								
Machine tools [28]	1929	280	47,391	76,410	64,284	244,578	180,294	141,778
	1927	*288*	*52,383*	*47,403*	*45,161*	*145,855*	*102,703*	*125,426*
	1927	355	35,209	52,366	46,115	169,513	113,398	131,670
	1925	329	30,831	46,711	43,826	144,202	100,376	118,819
	1923	360	33,373	47,337	40,977	137,206	96,229	109,196
	1921	348	21,307	25,252	23,078	67,729	43,751	
Pumps (hand and power) and pumping equipment.	1929	322	23,142	34,974	66,802	164,009	97,207	74,510
	1927	278	18,671	27,110	52,765	130,591	77,826	64,763
	1925	253	17,935	25,278	50,328	120,148	69,820	56,470
Refrigerators, mechanical.[29]	1929	34	16,883	26,196	72,413	161,566	89,153	44,953
	1927	22	11,235	17,712	42,651	96,514	53,862	[7] 32,551
Scales and balances	1929	59	4,118	5,997	7,438	30,381	22,943	9,738
	1927	60	3,906	5,461	7,454	24,655	17,202	8,766
	1925	71	4,292	5,783	7,349	27,237	19,888	9,771
Sewing machines and attachments.[29]	1929	39	10,467	14,976	16,458	45,096	28,637	29,059
	1927	35	9,997	13,748	14,073	39,724	25,651	31,286
Textile machinery and parts.	1929	376	27,019	37,836	38,556	122,438	85,882	66,539
	1927	367	26,154	36,481	35,181	116,921	80,740	64,532
	1925	379	27,869	37,464	30,037	121,653	82,616	61,738
Typewriters and parts [30]	1929	26	16,945	22,319	7,249	61,858	54,609	23,383
	1927	26	15,603	19,398	9,936	55,319	45,383	14,653
Washing machines, wringers, driers, and ironing machines, for household use.	1929	65	8,189	12,072	40,707	82,330	41,623	26,720
	1927	75	7,789	10,950	34,528	[7] 70,244	[7] 35,716	20,697
	1925	82	7,077	9,990	32,748	69,568	36,820	18,028
Windmills and windmill towers.	1929	15	1,554	2,145	3,572	8,640	5,069	4,491
	1927	16	1,355	1,882	3,234	7,514	4,281	3,608
	1925	15	1,391	1,830	3,376	7,984	4,608	3,378
TRANSPORTATION EQUIPMENT								
Motor vehicles, not including motor cycles.	1929	245	226,171	366,676	2,402,007	3,723,579	1,321,572	714,112
	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	509,753
	1923	351	241,356	406,730	2,147,463	3,163,328	1,015,865	435,545
	1921	385	143,658	221,974	1,107,062	1,671,387	564,325	
Motor-vehicle bodies and motor-vehicle parts.	1929	1,154	221,332	366,503	856,986	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	228,382	372,721	862,721	1,523,280	660,558	662,255
	1923	2,120	163,530	253,147	564,107	1,013,113	449,006	425,088
	1921	1,974	60,119	96,779	213,965	408,017	194,052	
Motor cycles, bicycles, and parts.	1929	21	4,392	6,264	11,281	23,895	12,613	11,124
	1927	29	3,897	5,442	10,174	21,454	11,280	10,753
	1925	36	4,193	5,662	12,177	24,258	12,081	12,609
Carriages, wagons, wheelbarrows, sleighs, and sleds.	1929	88	2,873	3,418	8,398	16,450	8,052	14,399
	1927	117	3,387	4,212	10,648	19,422	8,774	18,207
	1925	152	4,833	5,792	12,860	24,935	12,075	20,449
Carriage, wagon, sleigh, and sled materials.	1929	45	681	565	1,486	2,792	1,307	4,760
	1927	44	764	665	1,555	3,041	1,486	5,213
	1925	81	1,389	1,216	2,059	5,118	2,459	8,689
Carriages, and sleds, children's.	1929	79	7,102	8,313	13,515	28,818	15,303	10,870
	1927	89	7,030	7,814	13,895	28,668	14,773	10,309
	1925	86	6,926	7,923	13,553	30,174	16,620	9,853
Aircraft and parts	1929	132	14,706	21,924	27,368	71,153	43,785	16,505
	1927	70	4,422	6,857	7,517	21,162	13,645	6,031
	1925	44	2,701	4,222	2,870	12,525	9,655	3,735
Locomotives, not made in railroad repair shops.	1929	16	11,045	17,994	52,808	83,858	31,050	98,482
	1927	17	12,961	17,648	45,688	76,719	31,031	148,971
	1925	18	12,809	18,219	41,717	65,389	23,672	114,209

Footnotes at end of table.

No. 814. 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	Horsepower
				In thousands of dollars				
TRANSPORTATION EQUIPMENT—Con.								
Cars, electric and steam-railroad, not built in railroad repair shops.	1929	147	40,015	63,387	223,889	328,220	104,331	240,440
	1927	135	38,031	60,625	209,113	312,509	103,396	236,415
	1925	141	50,393	77,247	266,054	390,771	124,718	243,934
	1923	139	80,590	129,178	413,660	604,351	190,691	250,102
	1921	118	48,033	70,945	211,938	340,536	128,598	
Ship and boat building, steel and wooden, including repair work.	1929	624	59,090	88,274	85,849	231,300	145,451	337,446
	1927	559	55,014	87,081	78,626	211,127	132,501	314,474
	1925	565	50,224	74,275	66,209	177,182	110,883	303,470
	1923	567	62,287	90,720	84,558	218,232	128,675	317,712
	1921	640	106,445	155,943	169,368	400,834	231,466	
RAILROAD REPAIR SHOPS								
Car and general construction and repairs, steam-railroad repair shops.	1929	1,851	367,781	590,203	515,652	1,184,435	668,783	1,076,681
	1927	1,794	397,088	600,517	515,070	1,205,191	690,120	1,037,464
	1925	1,842	425,234	619,834	533,908	1,248,867	714,959	934,830
	1923	1,801	488,505	723,742	599,377	1,433,680	834,303	735,635
	1921	1,766	385,006	624,181	473,011	1,180,030	707,019	
Car and general construction and repairs, electric-railroad repair shops.	1929	446	29,475	47,109	32,781	85,481	52,700	76,359
	1927	515	31,584	48,392	30,421	84,504	54,083	73,357
	1925	521	32,521	48,357	29,738	83,812	54,074	70,479
MISCELLANEOUS INDUSTRIES								
Musical instruments and phonographs, total.	1929	376	33,271	44,010	67,778	177,844	110,065	87,493
	1927	431	42,985	60,761	90,159	226,362	136,203	102,105
	1925	461	46,980	62,502	98,700	231,687	132,926	97,318
	1923	535	58,329	75,396	123,600	282,532	158,931	90,229
	1921	600	45,113	54,405	94,988	212,989	118,001	
Musical instruments and parts and materials, not elsewhere classified.	1929	106	3,176	4,581	3,836	14,274	10,438	6,033
	1927	99	4,018	5,737	4,641	17,892	13,251	5,356
	1925	100	4,556	6,520	5,575	20,329	14,754	4,907
Organs	1929	62	2,389	3,604	3,091	11,323	8,232	4,746
	1927	63	2,770	4,364	4,494	15,439	10,944	4,332
	1925	57	2,460	3,510	3,749	12,283	8,534	3,983
Pianos	1929	82	10,258	14,402	19,280	43,515	24,234	27,667
	1927	124	16,582	23,891	33,899	75,491	41,592	29,725
	1925	142	20,079	28,096	49,296	101,181	51,885	26,912
Piano and organ materials.	1929	67	3,033	3,597	4,248	11,883	7,635	10,944
	1927	85	5,399	6,594	9,657	22,245	12,587	14,185
	1925	94	8,618	10,131	15,204	36,836	21,543	15,734
Phonographs	1929	59	14,415	17,826	37,323	96,849	59,526	38,103
	1927	60	14,216	20,176	37,468	95,296	57,828	48,507
	1925	68	11,267	14,145	24,847	61,057	36,210	45,782
Tobacco manufactures, total.	1929	1,805	115,758	94,588	429,271	1,246,241	816,970	64,984
	1927	2,156	129,299	105,251	420,667	1,163,768	743,102	52,385
	1925	2,623	132,132	111,558	425,769	1,091,001	665,232	42,075
	1923	3,672	146,337	120,462	515,865	1,044,192	528,327	43,515
	1921	4,372	149,985	120,903	608,688	1,048,490	439,801	
Tobacco: Chewing and smoking, and snuff.	1929	153	10,838	8,955	72,494	179,333	106,839	15,497
	1927	159	13,125	10,661	85,310	198,245	112,934	16,566
	1925	178	15,024	12,185	94,419	216,186	121,768	17,541
Cigars and cigarettes	1929	1,652	104,920	85,633	356,777	1,066,908	710,131	49,517
	1927	1,997	116,174	94,589	335,356	965,524	630,168	35,819
	1925	2,445	117,108	99,373	331,351	874,815	543,464	24,534
	1923	3,466	130,036	107,723	369,491	821,226	451,735	24,894
	1921	4,146	133,357	108,161	452,212	806,749	354,537	

Footnotes at end of table.

No. 814.—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	Horsepower
				In thousands of dollars				
MISCELLANEOUS INDUSTRIES—Contd.								
Other industries, total.[1]	1929	12,455	268,056	362,155	862,951	2,003,401	1,140,450	513,518
	1927	11,733	268,172	363,664	867,335	1,926,960	1,059,624	683,190
	1925	11,132	260,301	334,690	827,080	1,802,631	975,551	503,166
	1923	11,132	270,815	332,528	790,071	1,676,873	886,803	567,767
	1921	10,790	223,123	266,703	611,931	1,296,480	684,549	
Artificial and preserved flowers and plants.	1929	191	3,216	3,218	5,527	14,425	8,898	603
	1927	190	4,715	5,050	7,389	19,576	11,688	541
	1925	187	4,305	4,287	7,265	17,824	10,559	737
Artists' materials	1929	68	1,167	1,429	4,155	9,460	5,304	3,397
	1927	61	1,211	1,430	3,772	8,205	4,433	3,250
	1925	62	1,317	1,568	3,802	8,321	4,518	2,952
Brooms	1929	407	4,542	4,169	9,648	19,166	9,519	4,658
	1927	394	4,450	4,275	9,176	18,445	9,269	4,401
	1925	421	4,725	4,654	11,213	21,714	10,501	5,399
Brushes, other than rubber.	1929	303	7,261	7,963	21,688	45,549	23,861	11,915
	1927	302	7,673	8,244	22,553	47,844	25,291	12,093
	1925	302	7,836	8,452	22,021	45,824	23,803	11,220
Buttons	1929	242	9,034	8,814	11,501	28,978	17,477	14,615
	1927	229	9,642	9,436	11,238	29,130	17,893	15,899
	1925	289	11,513	10,803	12,373	32,458	20,085	15,840
Carbon paper and inked ribbons.[30]	1929	57	1,251	1,702	7,992	17,295	9,303	3,642
	1927	49	1,078	1,514	6,020	13,793	7,773	3,267
Combs and hairpins, not made from metal or rubber.	1929	24	656	641	1,007	2,482	1,476	1,015
	1927	36	1,259	1,249	1,873	4,437	2,564	1,591
	1925	44	1,300	1,293	2,334	5,270	2,936	1,892
Dairymen's supplies; creamery, cheese-factory, and butter-factory equipment; and poultrymen's and apiarists' supplies.	1929	172	5,450	6,925	16,371	42,247	25,876	13,672
	1927	152	5,091	6,374	15,686	36,824	21,137	13,576
	1925	180	4,844	5,864	15,421	37,263	21,842	14,719
Dental goods and equipment.	1929	87	4,559	5,359	17,327	35,180	17,853	6,212
	1927	97	3,759	3,941	18,189	32,349	14,160	3,792
	1925	84	2,119	1,871	12,759	19,720	6,961	1,257
Fancy and miscellaneous articles, not elsewhere classified.	1929	813	18,715	18,878	35,110	85,389	50,279	11,088
	1927	595	16,965	18,307	34,674	83,006	48,333	10,802
	1925	532	14,552	14,960	29,155	69,769	40,614	9,071
Feathers, plumes, and manufactures thereof.	1929	39	257	310	386	1,141	755	100
	1927	38	322	397	534	1,438	904	103
	1925	70	888	976	1,881	4,179	2,298	334
Foundry supplies	1929	59	853	1,256	5,535	10,459	4,924	9,396
	1927	65	941	1,200	6,539	11,635	5,096	11,133
	1925	66	1,087	1,360	6,904	12,723	5,819	10,733
Fur goods	1929	2,855	15,752	33,330	176,107	277,593	101,486	5,511
	1927	2,756	16,040	37,671	195,323	299,615	104,292	5,655
	1925	2,000	16,556	35,164	159,316	254,266	94,950	4,985
	1923	1,758	14,439	27,923	126,162	198,043	71,881	4,299
	1921	1,707	12,052	22,421	84,537	139,366	54,829	
Furs, dressed	1929	248	5,167	8,596	18,649	40,237	21,588	10,769
	1927	172	5,540	10,361	7,072	27,681	20,609	12,467
	1925	133	5,056	8,206	7,296	25,423	18,126	9,858
Hair work	1929	59	359	432	505	1,694	1,189	44
	1927	69	515	598	830	2,279	1,449	21
	1925	86	864	975	3,046	6,090	3,043	13
Hand stamps and stencils and brands.	1929	332	2,891	4,086	3,812	15,036	11,224	3,598
	1927	293	2,668	3,842	3,734	14,156	10,422	3,159
	1925	323	2,930	4,015	4,070	15,321	11,250	3,658
Hats, straw, men's[2]	1929	50	3,380	3,688	8,705	18,739	10,034	1,956
	1927	48	3,263	4,232	11,783	21,718	9,935	1,554

Footnotes at end of table.

No. 814.—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	Horsepower
				In thousands of dollars				
MISCELLANEOUS INDUSTRIES—Contd.								
Instruments, professional and scientific.	1929	276	16,779	22,087	28,411	89,746	61,335	22,715
	1927	280	16,414	22,289	28,880	87,783	58,903	25,587
	1925	233	12,129	16,166	20,428	76,339	55,911	17,595
Ivory, shell, and bone work, not including buttons, combs, or hairpins.	1929	21	391	425	517	1,260	743	642
	1927	22	294	330	328	911	583	599
	1925	29	488	555	728	1,879	1,152	892
Jewelry and instrument cases.	1929	113	2,269	2,473	3,324	8,827	5,502	1,503
	1927	107	2,406	2,597	3,294	8,810	5,516	1,440
	1925	125	2,748	2,750	3,833	10,114	6,281	2,460
Lapidary work	1929	99	502	989	8,219	11,905	3,687	474
	1927	92	547	1,221	9,133	12,352	3,218	513
	1925	83	589	1,285	7,273	10,123	2,850	515
Mattresses and bed springs, not elsewhere classified.	1929	951	17,187	22,584	61,835	123,280	61,445	50,554
	1927	838	13,481	16,887	52,182	98,836	46,652	32,937
	1925	1,018	14,403	17,430	62,480	110,717	48,228	32,840
Models and patterns, not including paper patterns.	1929	803	6,768	13,240	5,315	30,616	25,301	12,373
	1927	693	5,584	10,545	4,659	23,495	18,836	11,465
	1925	689	5,262	9,420	4,927	22,485	17,557	10,473
Motion pictures, not including projection in theaters.	1929	142	10,783	24,860	38,441	184,102	145,661	49,732
	1927	142	8,415	18,637	34,867	134,343	99,476	32,160
	1925	132	5,573	13,066	33,258	93,630	60,378	29,472
Optical goods	1929	117	9,701	12,634	11,859	40,562	28,704	15,626
	1927	96	7,596	9,561	8,865	32,757	23,892	12,401
	1925	117	8,042	10,439	9,997	33,655	23,658	11,017
Paving materials, other than brick or granite.[2]	1929	126	2,375	3,731	13,589	29,275	15,687	30,393
Pencils, lead (including mechanical).	1929	38	5,703	6,292	10,756	27,773	17,017	11,721
	1927	27	5,301	5,943	9,931	24,500	14,568	9,832
	1925	25	5,636	6,031	9,169	25,051	15,882	8,209
Pens, fountain and stylographic; pen points, gold, steel, and brass[1]	1929	76	4,600	5,304	11,460	34,211	22,751	4,235
	1927	68	4,031	4,735	10,375	25,645	15,270	3,721
	1925	78	4,203	4,883	8,595	26,596	18,001	3,607
Photographic apparatus and materials.	1929	115	12,892	20,507	30,365	102,831	72,466	31,918
	1927	122	12,120	18,311	29,020	90,828	61,808	24,838
	1925	118	9,154	13,300	25,779	78,654	52,874	22,866
Pipes (tobacco)	1929	24	1,680	1,961	1,749	5,558	3,808	2,276
	1927	23	1,807	2,279	2,723	7,274	4,551	1,928
	1925	28	1,970	2,291	2,718	7,299	4,581	2,052
Roofing materials, not including wood, slate, burnt tile, asbestos, or metal.	1929	102	6,027	8,952	61,392	103,506	42,115	33,791
	1927	100	7,255	10,713	67,328	123,210	55,883	41,740
	1925	140	8,310	12,145	78,597	123,591	44,994	34,161
Sandpaper, emery paper, and other abrasive paper and cloth.	1929	11	1,228	1,740	8,375	17,219	8,843	6,927
	1927	10	917	1,223	5,471	12,232	6,761	2,834
	1925	12	1,230	1,714	7,342	15,623	8,281	4,613
Signs and advertising novelties.	1929	1,239	20,009	27,755	35,704	118,044	82,341	19,627
	1927	813	16,907	24,044	30,892	98,481	67,589	15,325
	1925	759	15,128	20,764	25,858	89,669	63,811	12,550
Soda-water apparatus	1929	54	2,764	3,922	10,490	24,510	14,020	5,265
	1927	48	2,838	4,223	10,391	23,929	13,538	5,042
	1925	60	2,372	3,628	8,632	22,032	13,400	4,180
Sporting and athletic goods, not incl. firearms or ammunition.	1929	242	10,793	13,135	24,482	58,289	33,806	18,039
	1927	188	9,689	11,595	19,394	44,048	25,549	13,484
	1925	181	8,724	10,262	17,875	42,629	24,755	11,550
Stationery goods, not elsewhere classified.	1929	203	11,078	12,430	32,184	74,062	41,878	11,523
	1927	194	8,987	9,792	27,016	56,987	29,971	8,891
	1925	217	11,399	12,076	31,108	67,809	36,701	10,970

Footnotes at end of table.

No. 814.—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	Horsepower
				In thousands of dollars				
MISCELLANEOUS INDUSTRIES—Contd.								
Steam and other packing, pipe and boiler covering, and gaskets, not elsewhere classified.	1929	171	7,266	9,660	21,596	45,433	23,837	30,881
	1927	159	5,946	7,905	19,794	43,045	23,250	29,810
	1925	172	6,086	8,072	20,372	43,871	23,499	25,579
Surgical and orthopedic appliances, including artificial limbs.[1]	1929	364	7,924	8,947	36,088	71,801	35,713	13,380
	1927	335	7,310	8,371	30,764	60,623	29,860	9,862
	1925	303	6,450	6,837	26,814	58,286	31,472	12,527
Theatrical scenery and stage equipment.	1929	55	547	992	2,097	5,508	3,411	618
	1927	39	561	1,330	2,330	5,745	3,415	908
	1925	33	391	854	1,520	3,578	2,058	413
Toys (not including children's wheelgoods or sleds), games, and playground equipment.	1929	476	10,662	17,661	29,906	74,829	44,923	25,042
	1927	397	14,738	15,543	25,805	63,956	38,150	19,028
	1925	352	13,557	13,785	22,179	55,734	33,554	19,038
Umbrellas, parasols, and canes.	1929	141	2,855	2,778	10,007	17,994	7,087	3,068
	1927	164	3,308	3,411	14,021	23,156	9,135	2,411
	1925	176	3,781	3,696	16,594	27,299	10,705	3,027
Whips	1929	8	57	48	80	224	144	82
	1927	7	90	89	176	310	135	262
	1925	9	103	73	132	308	176	158
Window shades and fixtures.	1929	432	4,706	5,624	19,786	36,965	17,179	8,320
	1927	336	4,733	6,856	21,065	37,082	16,016	8,679
	1925	336	5,176	6,208	25,030	41,658	16,628	11,151

[1] Because of a change in classification of some of the industries included in this group for 1929 the figures for previous years have been revised to preserve comparability.
[2] Because of a change in classification no comparable statistics can be shown for earlier years.
[3] No data were compiled for 1925 except for San Francisco, Calif.
[4] For 1927 and 1929, included in "Peanuts, walnuts, and other nuts, processed."
[5] Prior to 1927 part of the establishments now in this industry were classified in the "Food preparations, not elsewhere classified," industry and part in the "Peanuts, grading, roasting, cleaning, and shelling" industry, which has been abandoned.
[6] Figures include cereal beverages ("near beer" and similar soft drinks).
[7] Revised; revision not carried into total.
[8] Data for work clothing were not tabulated separately prior to 1923; therefore, no comparable statistics can be given for earlier years for "Clothing, except work, etc."
[9] "Handkerchiefs," "Embroideries," "Trimmings," and "Millinery" were first treated as separate industries at the census for 1927. For prior censuses data for "Handkerchiefs" were included in part in "Furnishing goods, men's," and in part in "Millinery and lace goods"; data for "Embroideries," "Trimmings," and "Millinery" were included in "Millinery and lace goods" industry, which was abandoned at the census for 1927. No comparable figures can be given for earlier years.
[10] Figures for 1927 revised by the inclusion of sewing-machine cases. The figures for 1925 and earlier years therefore are not strictly comparable with those for 1927 and 1929. (See also footnote 11.)
[11] Includes data for "Hammocks," treated as a separate industry prior to 1927; also includes, for 1927 and 1929, data for sewing-machine cases, formerly a part of the "Sewing machines, cases, and attachments" industry.
[12] The separation of the industry "Paper and pulp" into the "Paper" and "Pulp (wood and other fiber)" industries in 1927 resulted in a duplication in the statistics as combined. The figures for 1927 are therefore not strictly comparable with those for 1925 and earlier years.
[13] Combined total for paper and pulp.
[14] Not reported separately; included with paper.
[15] Includes "Compressed and liquefied gases" prior to 1927 and also includes "Rayon" prior to 1926.
[16] Included with "Chemicals, not elsewhere classified," prior to 1927.
[17] Includes for all years "Belting and hose, rubber," prior to 1923 treated as a separate industry.
[18] Included with "Steel works and rolling mills."
[19] Not reported separately; included with "Steel works and rolling mills."
[20] Similar products are manufactured to a large extent by plants operated in connection with steel works and rolling mills. The figures here given refer only to establishments engaged primarily in the manufacture of the specified classes of products.
[21] Includes statistics for "Horseshoes, not made in rolling mills," abandoned as a separate industry.
[22] "Tin plate and terneplate" are treated as products of the "Iron and steel, steel works, and rolling mills" industry.
[23] Because of the establishment for 1929 of the new industry classification "Machine-tool accessories and small metal-working tools," certain establishments, formerly classified in this industry were, for 1929, classified in the new industry. For this reason the statistics for 1929 are not comparable with those for earlier years. The figures in italics for 1927 have been adjusted for comparison with 1929.

[24] Formerly part of the classification "Tin and other foils, not including gold and silver; collapsible tubes" which has been separated into "Tin and other foils, not including gold foil," and "Collapsible tubes."

[25] Formerly reported as three industries: "Babbitt metal, white metal, type metal, and solder," "Brass, bronze, and other nonferrous alloys, and manufactures of these alloys and of copper, not elsewhere classified," and "Lead: Bar, pipe, and sheet." Includes data for "Bells" reported as a separate industry prior to 1925.

[26] Refrigerators, mechanical, for censuses prior to 1927 included in "Electrical machinery, apparatus, and supplies" and "Foundry and machine-shop products."

[27] "Foundry and machine-shop products, not elsewhere classified," includes "Metal-working machinery, other than machine tools, shown separately for 1925 and 1927 (See also footnote 26.)

[28] For prior years included in data for "Foundry and machine-shop products, not elsewhere classified," "Machine tools," and "Tools, not including edge tools, machine tools, files, or saws."

[29] Sewing-machine cases, formerly considered a product of this industry, at the census for 1929 were included in the "Furniture, including store and office fixtures" industry (forest products group). The figures for "Sewing machines and attachments" for 1927 have been adjusted by omission of the data for sewing machine cases, but those for prior years can not be so adjusted.

[30] Typewriters and parts, prior to the census for 1929, covered typewriter supplies, but for 1929 a new industry classification "Carbon paper and inked ribbons" (miscellaneous industries group) was established. The figures for 1927 have been adjusted by the omission of data for "Carbon paper and inked ribbons," but no adjustment for earlier years can be made.

Source: Bureau of the Census, Department of Commerce.

No. 815.—MANUFACTURES IN CITIES HAVING

NOTE.—All figures except number of wage earners in thousands of dollars. Data for the "Coffee and spice city for which these statistics were compiled. Data for the "Poultry killing and dressing, wholesale" note, p. 813

City and State	Wage earners (average for the year)				Wages (thousands of dollars)			
	1923	1925	1927	1929	1923	1925	1927	1929
Akron, Ohio	44,903	52,546	53,008	59,977	71,284	80,476	85,731	96,619
Albany, N. Y.	10,542	9,609	9,378	8,008	13,823	12,383	13,080	11,493
Atlanta, Ga.	16,005	18,208	18,583	18,611	16,116	17,643	17,674	18,290
Baltimore, Md.	90,232	85,797	84,005	80,018	93,697	93,612	93,404	96,657
Birmingham, Ala.	14,817	16,054	16,611	18,318	16,595	18,120	18,966	21,505
Boston, Mass.	82,978	77,334	77,149	76,613	107,875	103,812	104,716	106,801
Bridgeport, Conn.	33,207	28,763	28,415	30,577	37,882	34,904	36,615	39,310
Buffalo, N. Y.	70,092	66,015	63,615	68,914	96,573	96,000	95,126	100,632
Cambridge, Mass.	25,674	21,945	20,929	21,864	30,999	27,409	26,334	28,078
Camden, N. J.	27,842	22,700	26,712	28,993	33,413	29,175	35,799	35,584
Canton, Ohio	15,727	15,362	14,865	18,334	25,625	24,267	23,565	31,883
Chattanooga, Tenn.	(1)	15,835	14,354	18,100	(1)	15,315	14,463	17,652
Chicago, Ill.	385,685	370,041	372,061	404,072	571,725	563,035	576,159	644,704
Cincinnati, Ohio	65,695	63,715	62,493	63,904	78,760	80,096	79,701	92,430
Cleveland, Ohio	141,648	132,852	131,140	146,679	205,388	201,378	201,092	230,074
Columbus, Ohio	27,618	24,590	24,228	26,576	37,236	33,272	32,482	36,938
Dallas, Tex.	8,143	9,412	9,459	12,082	9,420	11,104	10,471	13,630
Dayton, Ohio	20,665	29,341	30,218	10,584	41,779	43,665	44,392	61,976
Denver, Colo.	15,629	15,077	15,054	16,235	19,942	19,071	19,458	20,911
Des Moines, Iowa	9,558	8,007	72,253	8,817	12,665	11,456	9,592	11,474
Detroit, Mich.	171,025	172,742	189,649	223,416	282,741	293,896	318,096	390,879
Duluth, Minn.	7,118	6,545	6,024	6,631	9,598	8,607	8,283	9,136
Elizabeth, N. J.	17,340	17,354	16,668	15,613	24,003	24,763	23,913	22,769
El Paso, Tex.	3,753	4,144	4,554	5,169	4,458	4,637	4,750	5,460
Erie, Pa.	15,047	13,885	13,792	15,430	21,342	20,392	20,303	23,491
Evansville, Ind.	(1)	12,603	12,801	13,969	(1)	12,956	13,876	14,852
Fall River, Mass.	37,018	30,596	31,489	26,262	35,509	28,241	29,342	23,243
Flint, Mich.	28,909	25,024	38,547	(2)	48,743	42,842	68,188	(2)
Fort Wayne, Ind.	(1)	16,659	15,848	21,308	(1)	20,862	21,228	29,354
Fort Worth, Tex.	6,249	6,968	7,419	6,771	7,558	8,492	9,079	8,273
Gary, Ind.	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Grand Rapids, Mich.	24,033	25,479	24,449	27,744	32,669	36,294	35,420	40,476
Hartford, Conn.	23,611	21,758	22,038	24,744	30,354	29,858	29,930	36,023
Houston, Tex.	9,242	9,007	12,044	10,225	11,851	10,805	14,909	20,237
Indianapolis, Ind.	45,818	41,805	42,136	47,545	54,364	51,394	54,969	62,256
Jacksonville, Fla.	4,143	5,479	5,919	6,231	3,923	6,424	5,601	7,182
Jersey City, N. J.	33,264	30,607	24,732	26,640	44,736	42,496	36,340	39,188
Kansas City, Kans.	16,264	14,137	13,509	13,194	19,460	17,575	18,397	28,248
Kansas City, Mo.	22,056	25,576	25,486	29,895	29,118	32,884	32,147	38,403
Knoxville, Tenn.	(1)	14,642	14,971	(2)	(1)	12,607	12,980	(2)
Long Beach, Calif.	(1)	1,712	2,046	2,565	(1)	2,381	2,894	3,738
Los Angeles, Calif.	55,467	58,026	66,608	74,593	81,468	85,736	99,845	108,026
Louisville, Ky.	37,620	37,672	34,360	35,188	42,145	43,355	39,822	40,793
Lowell, Mass.	27,162	21,570	18,787	17,027	28,256	21,179	18,886	16,996
Lynn, Mass.	22,506	18,938	20,763	20,544	29,108	26,259	28,517	28,366
Memphis, Tenn.	10,508	9,988	9,435	15,500	10,836	11,319	10,130	16,302
Miami, Fla.	(1)	2,179	1,196	1,909	(1)	4,126	2,053	2,623
Milwaukee, Wis.	74,500	77,432	86,550	94,868	93,424	105,123	120,806	136,768
Minneapolis, Minn.	33,462	31,730	34,065	35,712	41,163	40,311	43,057	45,757
Nashville, Tenn.	11,685	10,549	12,975	14,982	10,735	9,601	12,776	15,116
Newark, N. J.	70,066	66,854	62,727	66,788	89,465	89,640	89,568	114,312
New Bedford, Mass.	37,917	35,606	35,084	32,155	41,148	37,100	36,389	31,408
New Haven, Conn.	26,108	22,863	25,096	27,141	30,648	28,464	31,136	32,902
New Orleans, La.	21,575	22,118	22,289	22,597	18,737	20,201	21,645	21,394
New York, N. Y.	579,005	538,845	552,507	565,080	851,186	844,648	904,046	914,055
Norfolk, Va.	5,083	5,429	4,556	6,629	5,875	5,990	5,257	7,766
Oakland, Calif.	15,027	15,537	15,867	19,322	21,096	21,654	23,174	26,399
Oklahoma City, Okla.	(1)	3,544	3,216	5,530	(1)	4,716	4,333	7,645
Omaha, Nebr.	18,142	15,463	14,780	16,108	23,195	21,048	19,644	21,357
Paterson, N. J.	39,247	33,779	32,354	32,293	41,277	45,003	45,826	43,519
Peoria, Ill.	(1)	5,284	7,012	6,718	(1)	6,423	9,219	8,336
Philadelphia, Pa.	274,319	246,680	243,608	244,655	356,438	332,415	334,811	335,232
Pittsburgh, Pa.	76,695	65,414	61,892	61,525	110,466	94,458	89,039	91,172
Portland, Oreg.	21,534	20,077	20,318	21,901	28,244	26,736	27,214	29,047

[1] Data not available for 1923.

IN 1930, 100,000 OR MORE INHABITANTS

roasting and grinding" industry are not included in the figures for 1925, except for San Francisco, the only industry are not included in the figures for 1927, as no data were collected for that year. See also general

Value of products				Value added by manufacture [1]			City and State
1923	1925	1927	1929	1925	1927	1929	
406,837	565,391	567,482	544,582	234,796	252,035	253,274	Akron, Ohio.
53,026	52,178	58,185	52,600	26,972	30,533	29,213	Albany, N. Y.
122,284	131,237	115,830	136,947	59,193	51,488	64,565	Atlanta, Ga.
654,766	678,947	692,575	816,717	250,884	266,655	435,452	Baltimore, Md.
89,423	100,204	109,039	137,102	46,518	48,791	66,191	Birmingham, Ala.
583,600	585,992	617,973	613,303	295,722	309,888	321,885	Boston, Mass.
148,856	149,098	158,697	176,259	80,562	87,360	95,337	Bridgeport, Conn.
590,692	675,436	649,302	720,903	244,903	240,996	280,064	Buffalo, N. Y.
135,524	165,833	155,477	174,621	89,182	90,749	98,740	Cambridge, Mass.
180,766	164,051	196,860	231,135	81,703	99,145	119,045	Camden, N. J.
114,791	125,831	119,148	153,975	57,971	59,282	82,328	Canton, Ohio.
(1)	81,009	74,971	103,017	34,529	32,186	50,811	Chattanooga, Tenn.
3,323,341	3,439,163	3,478,754	3,884,675	1,557,016	1,588,906	1,724,793	Chicago, Ill.
434,176	457,639	437,954	522,097	216,410	216,342	274,459	Cincinnati, Ohio.
1,006,503	1,004,780	1,040,754	1,241,084	494,888	484,236	610,944	Cleveland, Ohio.
186,843	178,289	169,068	212,228	80,612	82,211	101,526	Columbus, Ohio.
92,189	112,158	98,009	142,530	42,961	37,511	58,899	Dallas, Tex.
187,934	206,104	235,166	316,526	122,839	144,537	205,217	Dayton, Ohio.
120,790	125,763	116,748	144,665	53,232	48,068	61,413	Denver, Colo.
102,919	83,624	76,108	98,906	40,218	35,558	47,003	Des Moines, Iowa.
1,438,247	1,599,340	1,736,933	2,026,937	693,169	778,423	944,201	Detroit, Mich.
67,316	54,019	54,860	58,904	20,932	21,705	24,308	Duluth, Minn.
114,251	116,245	120,643	122,448	45,060	46,671	55,853	Elizabeth, N. J.
16,113	20,399	20,848	24,621	8,807	9,401	10,758	El Paso, Tex.
87,158	84,248	91,031	100,991	45,987	45,717	53,058	Erie, Pa.
(1)	67,470	86,362	90,796	30,944	39,797	41,591	Evansville, Ind.
172,396	134,495	120,324	103,112	47,790	49,638	42,644	Fall River, Mass.
422,171	422,644	600,366	(2)	203,468	269,811	(2)	Flint, Mich.
(1)	93,640	95,366	121,558	50,356	50,688	61,549	Fort Wayne, Ind.
75,163	100,329	109,637	113,682	24,496	26,890	27,409	Fort Worth, Tex.
(2)	(2)	(2)	(2)	(2)	(2)	(2)	Gary, Ind.
130,278	145,700	135,254	156,054	81,742	80,576	87,897	Grand Rapids, Mich.
101,894	109,678	111,089	157,242	64,248	69,953	113,281	Hartford, Conn.
89,134	87,445	102,154	144,753	36,573	41,952	64,872	Houston, Tex.
340,858	344,925	345,815	407,981	141,486	145,715	179,204	Indianapolis, Ind.
28,115	49,315	40,079	55,178	21,787	18,777	24,665	Jacksonville, Fla.
313,999	340,735	270,842	317,469	139,235	111,347	150,170	Jersey City, N. J.
202,447	288,545	296,646	301,843	48,913	51,266	45,114	Kansas City, Kans.
196,674	221,349	222,136	340,890	93,833	95,572	145,228	Kansas City, Mo.
(1)	62,938	61,668	(2)	27,157	27,759	(2)	Knoxville, Tenn.
(1)	25,863	39,919	54,677	10,860	13,423	22,866	Long Beach, Calif.
417,654	531,827	610,539	745,100	256,337	304,636	378,134	Los Angeles, Calif.
240,538	263,693	242,096	262,547	113,870	108,770	124,645	Louisville, Ky.
100,998	81,136	69,171	68,580	37,574	35,104	32,862	Lowell, Mass.
95,953	97,143	106,804	119,725	62,459	64,309	70,974	Lynn, Mass.
95,537	108,877	91,670	161,324	40,210	34,147	66,675	Memphis, Tenn.
(1)	22,208	10,250	12,424	15,274	6,961	8,457	Miami, Fla.
514,501	541,912	627,410	700,730	250,025	296,505	339,058	Milwaukee, Wis.
338,329	338,824	348,417	361,075	117,440	130,731	147,904	Minneapolis, Minn.
83,042	79,331	94,435	108,939	31,957	40,245	43,570	Nashville, Tenn.
448,172	490,047	482,739	501,803	238,120	244,635	256,253	Newark, N. J.
140,999	143,551	125,542	121,692	63,471	60,656	57,826	New Bedford, Mass.
113,925	110,506	124,034	135,894	64,603	70,115	80,445	New Haven, Conn.
135,184	155,106	151,393	148,368	61,845	61,747	65,776	New Orleans, La.
5,349,077	5,324,414	5,722,071	5,987,317	2,605,321	2,868,237	3,028,746	New York, N. Y.
29,232	35,455	29,127	57,877	15,551	14,092	26,335	Norfolk, Va.
122,492	144,841	159,003	218,868	60,741	64,362	103,079	Oakland, Calif.
(1)	51,028	37,323	81,003	18,617	15,736	31,812	Oklahoma City, Okla.
315,971	339,004	307,472	353,159	59,786	58,005	74,257	Omaha, Nebr.
194,858	200,977	207,470	190,208	94,626	105,426	98,548	Paterson, N. J.
(1)	48,138	66,238	66,938	19,377	28,357	30,329	Peoria, Ill.
1,998,750	1,937,415	1,861,502	1,984,760	887,935	880,726	964,317	Philadelphia, Pa.
610,189	518,964	508,529	545,319	224,582	220,292	254,272	Pittsburgh, Pa.
154,415	150,521	146,974	172,433	65,359	63,360	78,507	Portland, Oreg.

[1] Data can not be shown without disclosing the operations of individual establishments.

No. 815.—Manufactures in Cities Having in 1930, 100,000 or More Inhabitants—Continued

City and State	Wage earners (average for the year)				Wages (thousands of dollars)			
	1923	1925	1927	1929	1923	1925	1927	1929
Providence, R. I.	45,495	41,207	42,735	47,194	52,970	49,710	50,818	55,197
Reading, Pa.	28,712	27,247	26,383	25,978	34,775	32,748	31,712	31,766
Richmond, Va.	18,833	18,137	19,351	16,429	18,995	17,961	19,084	17,268
Rochester, N. Y.	58,649	52,589	56,685	58,359	77,646	73,406	80,316	82,378
St. Louis, Mo.	113,253	105,022	109,423	107,468	135,468	130,857	134,915	133,051
St. Paul, Minn.	22,841	23,664	21,449	23,623	29,108	30,701	28,163	31,197
Salt Lake City, Utah	6,224	4,898	4,709	5,033	7,509	5,876	5,965	7,340
San Antonio, Tex.	5,581	5,440	6,363	8,060	5,335	5,367	6,385	8,262
San Diego, Calif.	2,707	3,177	3,950	3,859	3,472	4,270	5,024	5,258
San Francisco, Calif.	43,638	41,720	41,900	45,098	61,376	6,040	61,134	66,462
Scranton, Pa.	13,093	12,578	11,115	11,630	13,537	13,607	12,311	12,337
Seattle, Wash.	17,842	19,220	20,601	22,857	25,323	27,610	29,623	33,350
Somerville, Mass.	(1)	5,594	5,631	6,701	(1)	7,144	7,385	9,384
South Bend, Ind.	(1)	22,054	20,758	25,723	(1)	32,377	29,693	36,106
Spokane, Wash.	4,580	6,098	5,678	5,301	5,973	7,981	7,617	6,709
Springfield, Mass.	19,089	17,683	16,782	18,728	23,965	23,189	22,012	25,620
Syracuse, N. Y.	23,021	23,086	22,562	26,413	31,631	31,118	32,196	39,076
Tacoma, Wash.	11,608	12,315	12,335	14,028	16,228	16,149	16,983	18,870
Tampa, Fla.	(1)	12,682	12,558	13,182	(1)	14,156	14,848	13,883
Toledo, Ohio	41,513	37,209	38,727	48,778	57,537	57,451	57,049	72,174
Trenton, N. J.	24,045	22,322	19,965	18,952	30,913	30,135	25,837	24,022
Tulsa, Okla.	2,208	1,678	2,186	3,078	3,183	2,537	3,405	4,389
Utica, N. Y.	16,075	14,833	14,175	13,225	17,697	16,962	16,221	14,378
Washington, D. C.	9,823	9,753	9,519	9,683	14,796	15,320	15,669	15,444
Wichita, Kans.	(1)	3,954	3,996	4,466	(1)	5,276	5,702	5,898
Wilmington, Del.	14,993	13,549	13,993	14,822	19,041	17,057	17,926	19,693
Worcester, Mass.	36,449	31,142	30,377	31,822	47,244	42,330	41,404	45,305
Yonkers, N. Y.	14,005	12,662	13,414	13,126	18,803	17,677	18,511	17,273
Youngstown, Ohio	20,516	19,215	18,566	20,563	35,202	33,682	31,494	37,041

City and State	Value of products				Value added by manufacture[1]		
	1923	1925	1927	1929	1925	1927	1929
Providence, R. I.	215,654	212,118	214,617	240,549	105,050	105,372	130,944
Reading, Pa.	134,502	132,405	121,095	120,939	64,055	60,929	63,726
Richmond, Va.	146,413	157,450	220,743	217,997	83,477	128,598	135,116
Rochester, N. Y.	337,362	337,548	368,111	380,102	201,041	222,868	237,377
St. Louis, Mo.	914,277	874,557	937,416	983,823	361,137	387,917	414,504
St. Paul, Minn.	150,355	194,013	160,331	206,918	86,753	77,677	102,512
Salt Lake City, Utah	47,572	32,589	35,115	43,256	15,708	15,669	20,403
San Antonio, Tex.	34,756	38,634	45,165	52,884	15,638	20,164	22,311
San Diego, Calif.	23,213	28,214	29,546	34,193	12,865	13,360	16,237
San Francisco, Calif.	410,318	426,810	429,728	475,618	181,283	192,086	209,470
Scranton, Pa.	64,169	61,282	55,704	60,766	28,080	26,735	29,021
Seattle, Wash.	155,781	159,566	168,032	199,571	69,998	73,295	91,494
Somerville, Mass.	(1)	58,806	66,441	113,646	12,805	16,223	32,109
South Bend, Ind.	(1)	150,616	126,882	163,334	61,326	65,633	80,927
Spokane, Wash.	40,562	43,156	46,170	46,395	17,030	18,071	18,654
Springfield, Mass.	104,568	109,516	103,922	121,430	63,146	57,872	70,267
Syracuse, N. Y.	149,145	154,029	147,903	181,103	83,019	81,632	103,747
Tacoma, Wash.	69,458	71,001	79,882	140,507	27,471	30,093	42,887
Tampa, Fla.	(1)	55,447	55,704	53,289	31,225	32,967	32,582
Toledo, Ohio	360,375	371,120	360,115	420,824	143,475	114,901	191,409
Trenton, N. J.	116,623	126,516	107,417	107,843	63,547	57,694	62,667
Tulsa, Okla.	18,533	14,723	20,301	26,802	8,461	10,988	17,262
Utica, N. Y.	76,061	77,554	70,240	65,410	35,073	35,290	33,973
Washington, D. C.	73,108	83,577	90,390	88,643	50,073	54,201	52,590
Wichita, Kans.	(1)	54,671	57,790	63,571	16,370	18,035	19,370
Wilmington, Del.	80,016	76,502	81,706	89,608	34,526	37,556	44,603
Worcester, Mass.	212,043	210,461	194,222	215,799	105,065	97,704	114,945
Yonkers, N. Y.	144,896	120,467	107,998	113,513	36,553	32,974	40,351
Youngstown, Ohio	272,184	236,180	207,379	204,788	65,177	63,901	94,778

[1] Data not available for 1923.

Source: Bureau of the Census, Department of Commerce.

No. 816.—SUMMARY FOR ALL MANUFACTURING INDUSTRIES COMBINED: BY GEOGRAPHIC DIVISIONS AND STATES

NOTE.—Data for "Coffee and spice roasting and grinding" (not tabulated for the United States as a whole for 1925) are included in the figures for 1914, 1923, 1927, and 1929. Data for "automobile repairing" (not collected since 1919) are included in the division and State figures for 1914, but are excluded from the totals for that year and from all figures for later years. Data for "Poultry killing and dressing" are included for all years, except 1927 for which year no data for this industry were collected. No data for establishments with products valued at less than $5,000 are included in the statistics for 1923 to 1927; for 1914, such data have been excluded from the United States totals except for wages and horsepower but are included in the United States totals for these items and in all division and State figures

Division and State	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	Horsepower
				In thousands of dollars				
United States	1929	210,710	8,807,536	11,649,537	38,293,534	70,137,459	31,843,926	42,798,911
	1927	191,866	8,349,765	10,848,803	35,133,137	62,718,347	27,585,210	38,825,681
	1925	187,390	8,384,261	10,720,969	35,935,648	62,713,714	26,778,066	35,772,628
	1923	196,309	8,778,156	11,009,298	34,705,598	60,555,998	25,850,300	33,094,228
	1914	177,110	6,896,190	4,067,719	14,278,333	23,987,861	9,709,527	22,290,899
New England	1929	18,318	1,100,043	1,345,092	3,155,681	6,419,620	3,253,939	4,702,754
	1927	17,745	1,098,748	1,328,650	3,048,863	6,028,475	2,979,612	4,566,155
	1925	18,173	1,122,216	1,339,310	3,203,911	6,140,063	2,936,153	4,349,191
	1923	19,081	1,254,496	1,472,315	3,200,156	6,419,975	3,129,820	4,151,136
	1914	25,193	1,140,233	628,409	1,657,674	2,926,675	1,269,001	3,098,836
Middle Atlantic	1929	64,594	2,555,027	3,670,013	11,147,073	21,305,472	10,158,399	11,618,101
	1927	62,276	2,467,791	3,491,660	10,488,832	19,533,075	9,044,243	10,968,754
	1925	58,895	2,491,039	3,434,610	10,682,358	19,409,491	8,727,133	10,106,390
	1923	60,007	2,694,027	3,595,238	11,124,614	19,738,954	8,614,340	9,627,810
	1914	85,466	2,355,940	1,370,131	4,680,993	8,053,644	3,372,651	6,641,348
East North Central	1929	46,329	2,531,788	3,750,541	11,717,586	21,561,041	9,843,454	12,410,381
	1927	43,671	2,309,860	3,340,801	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
	1923	43,978	2,387,049	3,333,621	10,166,125	17,821,604	7,655,560	9,023,688
	1914	59,896	1,680,281	1,072,538	3,795,039	6,542,261	2,747,222	5,301,978
West North Central	1929	17,793	471,873	596,200	3,497,012	5,328,077	1,830,466	2,198,131
	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
	1923	16,605	409,725	563,914	2,848,565	4,209,549	1,450,984	1,705,600
	1914	27,199	381,595	235,471	1,397,841	2,032,192	634,352	1,235,147
South Atlantic	1929	20,836	907,207	821,559	2,054,017	5,222,080	2,568,063	4,395,727
	1927	17,029	879,060	794,265	2,487,871	4,631,952	2,144,081	3,805,038
	1925	16,576	838,834	757,051	2,549,391	4,532,146	1,982,755	3,384,030
	1923	17,049	832,016	729,859	2,438,631	4,238,237	1,799,606	3,047,501
	1914	28,925	685,252	293,063	1,003,068	1,682,999	679,931	2,266,238
East South Central	1929	9,833	375,225	346,144	1,062,760	1,977,730	914,939	1,991,728
	1927	7,637	359,542	331,280	1,025,122	1,808,818	783,696	1,787,386
	1925	8,080	355,995	322,875	1,042,478	1,808,702	766,224	1,615,183
	1923	7,513	347,200	310,354	988,075	1,702,870	714,594	1,461,604
	1914	14,410	264,378	117,987	387,011	700,868	313,057	1,156,654
West South Central	1929	10,555	294,366	311,822	1,861,932	2,795,746	933,814	1,702,796
	1927	8,208	267,142	281,156	1,644,155	2,399,410	755,255	1,419,558
	1925	7,887	265,160	267,875	1,722,382	2,546,506	824,124	1,316,629
	1923	7,947	267,111	265,332	1,375,838	2,091,024	715,786	1,269,347
	1914	12,417	211,940	116,129	526,907	802,538	275,631	964,470
Mountain	1929	4,318	101,193	141,990	794,524	1,217,134	422,610	920,769
	1927	3,919	94,957	130,304	659,600	981,091	321,490	829,256
	1925	3,849	100,374	134,583	688,350	1,046,318	357,968	757,974
	1923	3,970	103,803	143,392	699,141	955,772	346,632	714,807
	1914	6,079	81,113	56,358	272,216	437,568	165,353	459,516
Pacific	1929	18,134	470,814	666,176	2,392,319	4,310,500	1,918,240	2,798,524
	1927	15,189	424,463	599,969	2,082,311	3,614,013	1,531,702	2,359,614
	1925	14,762	415,024	575,269	2,041,255	3,455,241	1,413,986	2,269,169
	1923	14,158	420,472	591,387	1,851,431	3,257,540	1,406,109	1,886,942
	1914	16,206	235,515	178,247	647,342	1,067,889	420,548	1,093,002
New England:								
Maine	1929	1,557	69,593	73,601	218,985	392,096	173,111	674,331
	1927	1,426	68,142	74,212	208,866	372,093	163,228	628,941
	1925	1,600	73,849	79,777	205,709	371,849	166,141	600,787
	1923	1,642	83,328	91,854	217,070	402,660	185,580	570,532
	1914	3,378	32,149	43,254	117,555	200,450	82,795	480,032

No. 816.—Summary for All Manufacturing Industries Combined: By Geographic Divisions and States—Continued

Division and State	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	Horsepower
				In thousands of dollars				
New England—Contd.								
New Hampshire	1929	1,065	65,119	70,107	185,378	331,366	145,990	401,039
	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
	1923	1,078	75,314	79,074	185,754	333,125	147,370	352,656
	1914	1,736	78,993	40,642	114,993	182,844	67,850	340,605
Vermont	1929	930	27,582	34,035	66,524	144,156	77,633	166,546
	1927	880	26,241	32,305	69,957	134,030	64,073	172,762
	1925	951	27,563	32,320	74,387	138,270	63,882	178,806
	1923	1,021	30,783	34,095	80,776	149,952	69,176	177,212
	1914	1,772	32,704	18,617	42,706	76,991	34,285	171,738
Massachusetts	1929	9,952	559,443	695,351	1,685,585	3,392,149	1,706,564	2,090,003
	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
	1923	10,519	667,172	799,363	1,835,013	3,570,543	1,735,530	1,931,787
	1914	12,013	606,098	341,310	931,384	1,641,373	709,989	1,380,912
Rhode Island	1929	1,693	124,838	142,341	342,078	664,216	322,138	461,928
	1927	1,497	120,009	138,896	313,107	592,233	279,126	410,181
	1925	1,595	120,340	138,126	345,221	621,020	276,699	395,754
	1923	1,691	134,667	162,500	358,581	675,425	316,844	391,928
	1914	2,190	113,425	59,366	162,425	279,546	117,121	266,884
Connecticut	1929	3,121	253,468	329,657	667,133	1,495,635	828,502	908,792
	1927	2,877	240,806	304,504	596,014	1,284,739	688,724	847,395
	1925	3,062	242,362	301,200	612,842	1,274,952	662,309	790,087
	1923	3,130	263,232	314,329	612,961	1,288,281	675,320	727,021
	1914	4,104	226,264	125,220	288,511	545,472	256,961	452,665
Middle Atlantic:								
New York	1929	39,360	1,106,976	1,651,134	5,018,232	9,979,959	4,961,727	4,019,660
	1927	39,659	1,072,284	1,605,378	4,804,173	9,400,061	4,595,889	3,671,185
	1925	38,393	1,066,202	1,533,893	4,704,989	8,968,548	4,263,558	3,348,184
	1923	38,186	1,150,901	1,581,349	4,764,026	8,960,638	4,196,612	3,263,325
	1914	48,203	1,057,857	631,042	2,108,607	3,814,661	1,706,054	2,321,817
New Jersey	1929	8,364	441,105	628,098	2,128,168	3,937,656	1,809,488	1,662,677
	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
	1923	8,767	448,069	578,927	2,039,477	3,396,628	1,357,150	1,256,892
	1914	9,742	373,605	211,136	883,465	1,406,633	523,169	783,706
Pennsylvania	1929	16,870	1,006,949	1,390,782	4,000,673	7,387,857	3,387,183	5,935,764
	1927	17,314	987,414	1,315,993	3,728,062	6,715,563	2,987,502	5,800,634
	1925	17,298	999,460	1,324,481	3,800,514	6,901,762	3,011,248	5,373,972
	1923	19,054	1,095,057	1,434,903	4,320,510	7,831,688	3,061,178	5,107,593
	1914	27,521	924,478	527,953	1,683,921	2,832,349	1,143,429	3,535,825
East North Central:								
Ohio	1929	11,815	737,469	1,103,939	3,127,168	5,999,124	2,871,956	4,323,132
	1927	10,961	669,097	968,181	2,877,126	5,230,323	2,353,197	3,734,761
	1925	11,137	676,742	975,812	3,029,686	5,347,522	2,317,836	3,482,618
	1923	11,195	699,132	979,060	2,909,167	5,146,515	2,237,348	3,307,726
	1914	15,658	510,435	317,924	1,020,782	1,782,808	762,026	1,985,950
Indiana	1929	5,074	313,829	416,714	1,404,865	2,534,717	1,129,851	1,811,722
	1927	4,726	280,717	375,218	1,227,169	2,153,479	926,311	1,602,113
	1925	4,772	280,854	365,003	1,257,961	2,125,023	867,062	1,420,989
	1923	4,909	291,131	374,510	1,190,070	2,031,675	841,605	1,372,007
	1914	8,022	197,503	119,258	423,857	730,795	306,938	707,982
Illinois	1929	15,327	687,917	1,038,833	3,401,595	6,232,438	2,830,843	2,783,370
	1927	14,711	623,468	914,103	2,921,002	5,386,003	2,464,911	2,456,997
	1925	14,117	622,368	897,970	2,926,004	5,321,338	2,395,774	2,247,408
	1923	14,345	645,627	913,220	2,794,513	5,041,113	2,246,501	1,942,516
	1914	18,388	506,943	340,910	1,340,183	2,247,323	907,139	1,294,421
Michigan	1929	6,083	528,512	838,242	2,578,819	4,636,361	2,057,543	2,330,853
	1927	5,800	488,856	760,602	2,346,678	4,244,941	1,898,263	2,214,747
	1925	5,630	515,494	792,225	2,466,426	4,373,186	1,906,760	1,887,750
	1923	5,697	563,308	769,071	2,270,773	3,882,192	1,611,419	1,471,550
	1914	8,724	271,090	182,252	592,801	1,086,162	493,361	726,777

No. 816.—Summary for All Manufacturing Industries Combined: By Geographic Divisions and States—Continued

Division and State	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	Horsepower
				In thousands of dollars				
East North Central—Continued.								
Wisconsin	1929	7,430	264,061	352,814	1,205,139	2,158,400	953,261	1,161,290
	1927	7,473	247,722	322,697	1,153,328	1,973,053	820,325	1,048,228
	1925	7,262	247,341	314,883	1,084,747	1,859,244	774,496	1,009,015
	1923	7,832	247,851	297,160	1,001,502	1,720,198	718,696	929,889
	1914	9,104	194,310	112,193	417,415	695,172	277,757	676,848
West North Central:								
Minnesota	1929	4,319	102,408	130,950	769,477	1,171,710	402,233	597,998
	1927	3,886	98,833	123,619	726,391	1,066,727	340,336	584,328
	1925	3,888	100,614	123,767	779,724	1,101,856	331,132	508,021
	1923	3,900	103,964	125,531	047,323	962,775	315,452	460,128
	1914	5,974	92,834	58,507	336,849	493,354	156,505	358,163
Iowa	1929	3,317	82,015	103,532	579,991	907,929	327,938	372,358
	1927	3,061	73,692	91,247	496,940	769,341	272,401	330,702
	1925	3,270	74,976	92,233	490,586	757,771	268,185	308,016
	1923	3,420	77,847	94,206	434,336	690,032	255,697	282,338
	1914	5,614	63,113	39,860	205,451	310,750	105,299	189,800
Missouri	1929	5,757	201,174	238,433	1,124,968	1,876,140	751,172	714,799
	1927	5,422	195,378	230,017	1,004,709	1,665,173	660,464	666,269
	1925	5,114	194,959	230,691	980,450	1,607,161	626,702	500,485
	1923	5,291	196,694	228,015	944,083	1,547,189	603,106	553,397
	1914	8,386	152,182	89,197	383,715	637,052	249,237	389,376
North Dakota	1929	374	4,033	5,688	39,692	55,347	15,655	19,780
	1927	307	3,260	4,808	34,271	47,003	12,732	16,167
	1925	320	3,261	4,575	32,307	44,032	12,325	16,711
	1923	340	3,552	5,134	30,704	42,145	11,441	16,730
	1914	699	3,275	2,416	14,484	21,147	6,663	13,980
South Dakota	1929	618	6,518	8,086	75,167	97,769	22,602	31,166
	1927	472	5,551	6,786	63,620	83,001	19,381	24,676
	1925	504	5,151	6,208	46,942	63,433	16,491	21,463
	1923	489	5,146	6,211	33,673	47,321	13,648	16,458
	1914	898	3,788	2,628	17,079	24,139	7,059	16,324
Nebraska	1929	1,490	28,219	36,883	364,306	484,263	119,957	168,153
	1927	1,277	26,110	34,296	326,917	420,296	93,379	141,506
	1925	1,306	27,200	36,021	348,307	443,309	94,912	133,708
	1923	1,379	31,267	39,761	314,027	415,057	101,030	120,990
	1914	2,492	25,144	16,893	174,114	221,616	47,502	89,258
Kansas	1929	1,918	46,906	72,628	544,010	734,919	190,909	293,877
	1927	1,767	45,368	69,926	518,141	681,570	163,429	279,426
	1925	1,878	46,659	69,207	538,202	706,250	168,048	276,874
	1923	1,786	51,255	65,056	444,420	595,030	150,610	255,555
	1914	3,136	41,259	25,970	261,148	323,234	62,086	178,246
South Atlantic:								
Delaware	1929	458	23,382	28,847	77,051	146,856	69,805	114,030
	1927	446	21,324	25,222	69,033	129,900	60,867	103,166
	1925	419	20,704	25,072	70,622	125,406	54,784	107,301
	1923	453	23,116	27,369	70,736	128,951	58,216	112,485
	1914	808	22,155	11,382	31,649	56,035	24,386	64,324
Maryland	1929	3,229	131,399	149,051	560,183	1,120,409	560,226	660,466
	1927	3,205	120,700	141,903	564,120	943,411	379,290	579,713
	1925	3,184	125,787	138,591	508,591	926,252	357,660	544,558
	1923	3,168	128,826	136,286	509,035	903,446	334,411	497,945
	1914	4,797	111,585	53,792	238,972	377,749	138,777	262,199
Dist. of Columbia	1929	546	9,083	15,444	36,053	88,643	52,590	44,489
	1927	503	9,519	15,669	36,099	90,390	54,291	39,471
	1925	538	9,753	15,320	33,504	83,577	50,073	37,508
	1923	600	9,823	14,796	32,870	73,108	40,238	31,846
	1914	514	8,377	6,069	12,230	28,978	16,739	24,745
Virginia	1929	3,274	118,399	116,847	358,749	727,606	368,857	644,187
	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
	1923	2,743	111,578	104,680	304,493	548,153	243,661	431,237
	1914	5,508	102,820	44,873	155,320	264,039	108,719	337,567

No. 816.—Summary for All Manufacturing Industries Combined: By Geographic Divisions and States—Continued

Division and State	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	Horsepower
				In thousands of dollars				
South Atlantic—Contd.								
West Virginia	1929	1,487	84,460	114,131	253,609	500,393	246,784	666,871
	1927	1,313	77,630	103,431	252,884	455,217	202,332	546,440
	1925	1,395	80,700	105,892	260,880	470,822	209,941	495,051
	1923	1,487	85,661	109,937	259,151	479,510	220,359	371,699
	1914	2,749	71,078	43,784	110,033	193,512	83,479	278,219
North Carolina	1929	3,792	208,068	159,795	614,140	1,301,319	687,179	903,811
	1927	2,984	204,590	158,394	560,819	1,154,647	593,827	810,798
	1925	2,614	182,234	134,237	550,707	1,050,434	499,727	666,861
	1923	2,670	173,687	127,538	516,149	951,911	435,762	606,397
	1914	5,507	136,844	46,038	169,942	289,412	119,470	506,352
South Carolina	1929	1,658	108,600	73,232	227,103	385,339	158,236	525,064
	1927	1,059	108,992	74,478	206,772	358,334	151,562	478,245
	1925	1,134	100,144	67,062	237,227	370,283	133,056	423,359
	1923	1,180	96,802	64,753	221,240	360,446	139,206	407,735
	1914	1,885	71,824	24,173	91,009	138,891	47,882	335,710
Georgia	1929	4,178	168,280	109,552	430,027	718,603	288,576	643,283
	1927	3,175	154,168	108,118	360,262	609,918	249,656	565,899
	1925	2,876	141,173	99,210	399,351	648,852	249,501	523,334
	1923	3,058	137,476	92,144	381,769	604,453	222,684	449,888
	1914	4,639	104,461	38,128	160,089	253,271	93,182	357,130
Florida	1929	2,214	64,936	54,662	97,103	232,912	135,810	193,526
	1927	1,912	61,219	56,672	91,716	218,790	127,075	177,580
	1925	1,863	66,204	65,780	113,796	267,009	153,213	144,161
	1923	1,690	65,047	52,357	83,188	188,258	105,071	138,269
	1914	2,518	55,608	24,822	33,816	81,112	47,296	99,992
East South Central:								
Kentucky	1929	2,227	76,201	87,518	262,558	490,492	227,935	352,229
	1927	1,851	74,912	83,859	260,633	447,765	197,132	318,755
	1925	1,864	76,580	84,946	255,108	453,937	198,828	257,965
	1923	1,975	76,724	82,648	242,410	427,094	184,684	251,554
	1914	4,184	64,586	31,830	114,829	230,249	115,420	237,802
Tennessee	1929	2,846	126,921	114,078	387,621	706,054	318,433	602,647
	1927	2,098	114,968	101,198	351,436	614,041	262,604	475,243
	1925	2,162	107,645	95,255	358,097	601,488	243,391	447,529
	1923	2,307	106,504	92,482	334,111	555,266	221,154	391,465
	1914	4,775	74,373	33,083	123,430	212,071	88,641	286,844
Alabama	1929	2,848	120,064	102,040	299,519	560,975	261,456	784,255
	1927	2,355	119,093	105,489	317,493	550,372	232,879	779,156
	1925	2,349	116,599	101,243	325,684	552,824	227,140	697,908
	1923	1,996	109,620	95,205	323,666	541,729	218,063	640,802
	1914	3,242	78,717	33,897	107,411	178,798	71,386	445,604
Mississippi	1929	1,912	52,039	42,508	113,093	220,209	107,116	252,507
	1927	1,333	50,569	40,734	105,559	196,641	91,081	214,232
	1925	1,705	55,171	41,231	103,588	200,463	96,865	211,691
	1923	1,235	54,352	40,019	87,888	178,582	90,693	177,693
	1914	2,209	46,702	19,177	41,340	79,550	38,210	186,404
West South Central:								
Arkansas	1929	1,731	44,073	39,221	115,030	208,897	93,867	221,637
	1927	1,146	40,032	35,288	103,815	182,751	78,936	183,041
	1925	1,257	43,977	37,538	110,065	195,208	84,543	177,011
	1923	1,231	44,545	37,770	90,709	172,541	81,832	165,154
	1914	2,604	41,979	20,752	44,907	83,941	39,034	177,106
Louisiana	1929	1,986	87,511	83,990	441,980	684,886	242,906	488,507
	1927	1,624	82,415	79,673	427,994	638,361	210,367	415,582
	1925	1,742	88,058	79,763	465,426	710,050	244,624	410,298
	1923	1,781	94,719	83,031	407,414	624,683	217,268	402,938
	1914	2,211	77,665	39,544	157,886	255,313	97,427	354,765
Oklahoma	1929	1,651	31,279	40,722	306,990	452,161	145,171	221,808
	1927	1,373	27,932	35,785	269,418	371,718	102,300	185,480
	1925	1,282	26,333	34,211	301,147	403,295	102,148	156,826
	1923	1,242	25,489	33,069	230,263	315,208	84,946	152,956
	1914	2,518	17,443	11,011	70,970	102,006	31,036	97,103

No. 816.—Summary for All Manufacturing Industries Combined: By Geographic Divisions and States—Continued

Division and State	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	Horsepower
				In thousands of dollars				
West South Central—Continued.								
Texas	1929	5,187	131,503	147,888	997,032	1,449,802	451,870	830,844
	1927	4,065	116,763	130,409	842,927	1,206,590	363,653	635,455
	1925	3,606	106,792	116,368	845,144	1,237,952	392,809	572,708
	1923	3,693	102,358	111,462	647,452	979,192	331,740	548,299
	1914	5,084	74,853	44,821	253,144	361,279	108,135	335,496
Mountain:								
Montana	1929	583	13,673	21,719	173,594	247,953	74,358	169,168
	1927	565	14,242	20,915	151,792	203,603	51,712	188,390
	1925	606	14,777	21,078	146,351	205,474	59,123	166,528
	1923	679	15,943	24,540	123,702	174,874	45,172	190,516
	1914	939	13,704	13,001	46,744	84,446	37,702	91,671
Idaho	1929	564	15,656	22,468	52,131	96,683	44,552	105,960
	1927	470	13,513	18,971	47,927	86,256	38,329	89,830
	1925	490	15,794	20,709	53,152	96,990	43,838	82,552
	1923	510	16,347	22,386	43,134	87,429	44,295	72,146
	1914	698	8,919	7,491	14,892	28,454	13,562	50,297
Wyoming	1929	251	6,288	10,306	63,517	96,466	32,950	46,613
	1927	229	5,577	9,066	63,741	85,368	21,627	40,191
	1925	224	6,333	10,526	76,073	107,985	31,911	28,721
	1923	246	7,510	12,502	69,695	110,632	40,937	23,959
	1914	337	2,989	2,312	5,559	11,223	5,664	10,004
Colorado	1929	1,545	32,735	43,429	182,453	304,655	122,202	228,580
	1927	1,483	32,001	43,194	173,277	278,221	104,944	254,530
	1925	1,416	31,967	43,008	171,192	278,778	107,586	219,865
	1923	1,377	31,226	40,653	150,093	255,190	105,097	176,076
	1914	2,126	27,278	20,200	89,756	136,839	47,083	162,701
New Mexico	1929	251	4,490	5,640	10,485	21,760	11,275	23,134
	1927	200	4,653	5,421	10,056	20,183	10,127	21,407
	1925	200	4,629	5,083	9,634	19,459	9,774	18,842
	1923	186	5,459	6,484	9,954	20,422	10,468	16,863
	1914	368	3,776	2,695	4,430	9,320	4,890	12,408
Arizona	1929	347	10,500	15,078	139,256	199,371	60,114	180,550
	1927	300	8,967	12,133	77,799	117,624	39,825	100,641
	1925	294	9,127	11,506	92,271	138,781	46,511	102,127
	1923	283	9,008	12,635	80,993	123,377	42,384	128,531
	1914	322	6,898	6,229	39,283	64,090	24,806	54,095
Utah	1929	654	15,650	19,765	159,191	216,529	57,338	123,697
	1927	556	13,585	16,689	120,567	163,118	42,551	112,233
	1925	517	15,077	18,200	127,543	177,225	49,681	124,735
	1923	585	14,945	18,344	114,183	161,607	47,424	78,733
	1914	1,109	13,894	10,852	63,233	87,112	24,879	59,536
Nevada	1929	123	2,201	3,585	13,896	33,717	19,821	43,967
	1927	116	2,419	3,915	14,440	26,816	12,375	21,974
	1925	102	2,670	4,474	12,084	21,627	9,542	14,504
	1923	104	3,365	5,348	12,388	22,243	9,855	27,983
	1914	180	3,655	3,578	9,317	16,083	6,766	18,744
Pacific:								
Washington	1929	3,665	114,591	160,514	426,842	794,143	367,300	808,299
	1927	3,344	104,468	145,931	389,885	677,014	288,029	680,408
	1925	3,216	105,893	146,225	372,759	659,340	286,581	748,110
	1923	3,029	111,663	156,435	372,044	678,543	306,499	593,330
	1914	3,829	67,205	51,703	136,609	245,326	108,717	389,344
Oregon	1929	2,466	65,521	86,865	205,548	412,331	206,783	427,157
	1927	1,779	57,179	75,717	187,771	342,852	155,081	339,511
	1925	1,908	59,579	78,209	193,609	352,949	159,340	387,749
	1923	1,909	62,655	81,769	195,922	363,715	167,794	322,207
	1914	2,320	28,329	20,932	63,258	109,762	46,504	214,165
California	1929	12,903	290,702	418,797	1,759,929	3,104,086	1,344,157	1,563,068
	1927	10,066	262,816	378,321	1,504,655	2,593,247	1,088,592	1,339,695
	1925	9,638	249,552	350,835	1,474,887	2,442,952	968,065	1,133,310
	1923	9,220	246,154	353,183	1,283,465	2,215,281	931,817	971,315
	1914	10,057	139,481	105,613	447,475	712,801	265,326	489,493

Source: Bureau of the Census, Department of Commerce.

No. 817.—INDEXES OF PRODUCTION OF MANUFACTURES AND MINERALS

NOTE.—The manufactures index covers 49 industries and the minerals index 8. Both indexes have been adjusted for seasonal variations and for the number of working days in the month

[Monthly average 1923–1925=100]

Month	Manufactures							Minerals						
	1924	1925	1926	1927	1928	1929	1930	1924	1925	1926	1927	1928	1929	1930
January	90	106	109	104	106	118	103	103	105	92	116	103	118	112
February	101	105	108	107	109	117	107	105	100	95	117	103	120	109
March	101	106	107	109	109	120	106	98	95	104	118	103	107	96
April	95	103	107	109	110	123	107	93	99	103	107	105	115	104
May	88	102	106	111	110	126	105	93	105	104	109	105	116	103
June	84	102	108	109	111	129	100	92	101	106	105	101	112	100
July	82	103	107	107	111	126	94	92	104	107	100	101	114	97
August	88	102	110	106	113	124	91	92	107	109	106	105	115	96
September	93	104	111	105	115	122	90	97	89	110	104	107	118	94
October	95	107	111	102	116	118	85	96	90	114	105	114	118	98
November	97	109	107	100	116	108	84	96	94	118	101	113	110	92
December	102	112	104	100	117	98	80	100	93	119	103	112	116	93

No. 818.—MANUFACTURES PRODUCTION: INDEXES FOR GROUPS OF INDUSTRIES

NOTE.—The monthly figures are adjusted for the varying number of working days in each month and for the customary seasonal variations. In computing the indexes, the individual products and industries have been weighted in accordance with their relative importance

[Monthly average 1923–1925=100]

Year and month	Total [1]	Iron and steel	Textiles	Food products	Paper and printing	Automobiles	Leather and shoes	Cement	Nonferrous metals	Petroleum refining	Rubber tires and tubes	Tobacco manufactures
1919	84	82	92	94	76	50	104	54	67	54	------	82
1920	87	99	84	84	87	68	97	67	78	64	------	87
1921	67	46	87	83	70	41	90	66	39	64	55	85
1922	87	82	99	94	85	66	102	76	69	74	77	89
1923	101	105	105	99	94	102	110	92	94	86	86	96
1924	94	89	91	103	99	91	94	100	99	99	98	99
1925	105	106	104	98	107	107	96	108	107	115	116	105
1926	108	113	104	97	114	108	98	110	112	127	116	112
1927	106	104	113	96	112	86	103	115	109	136	120	118
1928	112	119	107	98	118	110	103	118	116	152	144	124
1929	119	130	115	97	125	135	105	114	125	168	135	134
1930	96	95	91	93	113	85	94	108	98	164	100	131
1929												
January	118	118	116	103	123	142	99	126	126	159	148	131
February	117	126	113	101	123	143	99	115	125	161	152	129
March	120	133	116	96	126	143	100	99	129	161	152	126
April	123	136	120	103	124	143	103	110	136	165	161	142
May	126	145	121	97	127	142	106	111	138	167	158	142
June	129	155	121	96	128	153	110	116	126	170	162	139
July	126	152	118	96	125	141	108	118	128	171	141	131
August	124	143	120	100	125	131	108	122	124	176	119	133
September	122	140	116	98	130	122	110	118	126	174	116	136
October	118	124	118	96	126	123	111	113	123	178	114	135
November	108	100	108	96	123	113	108	109	119	171	94	130
December	98	90	96	95	118	65	100	110	113	167	80	133
1930												
January	103	99	103	96	120	97	100	108	105	163	106	131
February	107	119	99	94	122	102	97	110	102	168	107	133
March	106	113	98	90	120	98	99	111	104	168	105	128
April	107	114	96	97	121	102	103	108	106	174	123	136
May	105	111	90	98	119	101	98	119	101	173	121	134
June	100	110	84	93	116	90	97	119	96	170	119	141
July	94	93	84	94	111	75	95	116	97	166	93	137
August	91	93	81	91	109	62	95	117	96	164	96	130
September	90	86	88	96	109	62	95	111	97	165	84	125
October	85	75	91	94	107	49	89	97	95	160	88	129
November	84	65	93	94	103	74	81	86	87	151	77	119
December	80	59	87	89	98	85	81	83	85	149	73	128

[1] Includes data for some industries not shown separately in this table.

Source of Tables 817 and 818: Federal Reserve Board.

No. 819.—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)		
		1925	1927	1929	1925	1927	1929
COTTON-GOODS AND SMALLWARES[1]							
Total value					1,761,713	1,608,941	1,579,792
Sheetings	Sq. yard	1,638,169	1,857,476	1,693,167	180,357	167,888	146,181
Print cloth	do	1,166,374	1,553,801	1,703,025	98,453	109,826	121,423
Voiles	do	124,479	151,654	157,449	14,438	15,012	13,407
Lawns, nainsooks, cambrics, and similar muslins.	do	320,087	272,454	226,554	43,323	32,101	25,419
Tobacco, cheese, butter, bunting and bandage cloths.	do	451,033	660,424	617,411	16,269	19,298	18,100
Ginghams	do	356,476	290,619	147,120	57,501	37,129	17,717
Shirtings	do	455,397	378,530	317,046	75,757	55,437	45,771
Drills	do	280,115	347,776	324,041	42,389	40,668	39,701
Twills and sateens	do	532,331	413,997	284,117	84,133	50,336	37,441
Ticks and denims	do	228,854	313,401	292,302	56,397	60,150	58,537
Osnaburgs	do	118,069	164,976	139,527	18,449	17,900	17,502
Cotton flannel (canton flannel, flannelettes, and blanketings).	do	340,416	400,007	323,140	53,607	55,386	48,329
Tire duck	do	40,762	35,474	22,277	16,629	11,343	6,846
Ducks (except tire)	do	193,334	218,505	230,144	53,827	57,929	65,093
Tire fabrics (except tire duck)	Pound	157,203	167,188	233,120	88,997	69,631	104,875
Tapestries	Sq. yard	15,737	18,619	9,810	17,390	16,612	12,995
Plushes, velvets, velveteens	do	33,478	42,689	50,304	40,679	45,710	41,761
Corduroys	do	21,503	23,171	27,134	9,553	8,677	9,501
Towels, toweling, and washcloths.	do	126,566	169,997	169,694	38,150	42,611	33,037
Cotton table damask	do	53,468	33,523	35,868	3,384	6,751	8,383
Blankets	do	92,077	107,293	94,061	29,548	29,452	25,302
Bedspreads and quilts (crochet, marseilles, and satin).	do	52,037	71,283	52,902	16,703	18,950	16,396
Bags made from fabric woven by establishment.	do	12,694	17,558	10,486	12,665	3,271	2,032
Small wares					67,127	62,156	65,494
Yarns for sale	Pound	628,170	664,745	647,725	313,907	253,802	253,349
Thread	do	34,167	29,992	25,250	53,284	46,400	37,100
Batting, wadding, and mattress felts.	do	90,681	129,836	140,481	14,134	16,304	19,407
Cotton waste for sale	do	419,604	485,308	443,916	40,824	26,842	32,670
Other cotton products					203,749	231,360	256,033
LACE							
Total value					30,149	24,360	27,931
Nottingham lace curtains	Pair	4,560	5,061	6,113	10,277	10,797	11,250
Nottingham lace curtain nets	Lin. yard	28,612	19,197	14,313	8,823	5,518	4,675
Levers laces	Sq. yard	8,982	(2)	(2)	6,548	6,263	8,756
Other lace products					4,501	1,782	3,250
KNIT GOODS							
Total value					801,427	794,560	891,176
Hose and half hose	Doz. pair	99,777	110,006	117,366	403,864	453,593	51,626
Sueded cotton gloves	do	70	28	690	744	350	3,985
Gloves and mittens (except sueded):	do	1,231	1,022		8,340	6,987	
Shirts and drawers	Dozen	11,202	8,492	8,802	60,845	38,961	37,670
Union suits	do	11,500	9,786	8,891	99,215	83,685	70,837
Bathing suits	do	695	740	1,021	16,322	15,857	22,084
Scarfs and shawls	do	492	188	127	4,661	2,215	1,163
Headwear	do	805	700	783	4,511	3,887	3,783
Neckties	do	2,705	1,810	628	8,961	5,853	1,717
Jersey cloth and tricollette	Sq. yard	42,172	44,439	75,521	36,451	37,097	45,375
Stockinette					2,168	957	1,234
Glove and shoe linings					4,632	4,773	4,655
Towels and towelings	Sq. yard	976	920	(3)	701	659	(3)
Other knit products					150,011	139,096	177,047

For footnotes see p. 853.

No. 819.—Textile Manufactures: Production—Continued

Product	Unit	Quantity (thousands of unit specified)			Value (thousands of dollars)		
		1925	1927	1929	1925	1927	1929
SILK AND RAYON GOODS							
Total value					812,860	755,658	737,759
Broad silk:							
All silk	Sq. yard	384,725	385,530	424,607	426,000	376,919	385,773
Silk mixed	do	98,391	127,296	69,242	103,121	108,696	51,080
Velvets	do	6,078	5,484	9,651	14,525	11,909	25,112
Plushes	do	925	1,310	1,957	2,352	2,748	3,830
Upholstery and tapestry	do	2,675	3,705	3,403	5,037	8,303	6,122
Organzine, tram, and crêpe twist for sale.	Pound	9,660	11,409	12,121	66,478	70,247	69,740
Spun silk for sale	do	4,602	4,456	3,769	20,364	15,696	12,916
Machine twist	do	860	723	515	8,971	6,474	4,322
Sewing, embroidery, and other floss silks.	do	764	659	335	6,020	5,768	2,864
Ribbons					52,061	36,041	25,008
Laces, embroideries, nets, veils, vellings, etc.					1,326		
Fringes and gimps					6,794	7,508	7,839
Braids and binding					14,513	11,285	4,863
Other silk and rayon products					85,298	94,064	137,790
WOOLEN AND WORSTED GOODS[1]							
Total value					925,762	794,063	803,320
Suitings, dress goods, overcoatings, and cloakings.[4]	Sq. yard	480,922	414,320	354,295	566,302	459,453	432,258
All-wool woolen	do	153,323	136,635	135,354	198,964	167,484	155,938
All-wool worsted	do	179,163	173,754	166,211	275,617	231,998	238,869
Wool and cotton mixed	do	26,124	30,433	52,730	25,943	20,844	37,651
Cotton-warp woolen	do	60,933	46,609		40,020	24,785	
Cotton-warp worsted	do	41,379	26,889		25,749	14,342	
Flannels for underwear (all wool).	do	672	(2)	(2)	299	(2)	(2)
Flannels for underwear (cotton mixed).	do	999	(2)	(2)	649	(2)	(2)
Domett flannels and shirtings	do	7,206	8,413	14,899	3,440	3,627	5,778
Satinets and linseys	do	11,877	3,974		4,244	1,282	
Blankets, all-wool	do	11,084	17,295	18,095	10,989	12,350	15,831
Horse blankets	do	1,410	1,069	394	787	631	212
Yarns for sale	Pound	151,000	145,728	159,474	210,692	183,430	199,758
Noils and wool waste for sale	do	42,691	48,419	46,368	17,887	18,491	15,597
Other woolen and worsted goods.					110,473	114,790	133,886
FELT GOODS[1]							
Total value					40,591	39,015	42,294
Felt cloths	Pound	6,391	6,401	7,075	15,821	15,009	17,113
Trimming and lining felts, skirts and skirtings.	do	2,690	3,708	6,147	2,088	3,122	3,889
Boot and shoe linings	do	1,163	1,723	1,607	957	1,165	1,183
Hairfelting	do	31,058	31,095	70,254	5,209	6,075	20,109
All other felts	do				16,516	13,644	
HATS, WOOL-FELT							
Total value					7,688	7,767	8,031
Hats	Dozen	373	376	400	6,340	5,033	4,410
Hat bodies and hats in the rough.	do	185	379	500	1,348	2,734	3,621
CARPETS AND RUGS[1]							
Total value					181,885	163,217	174,286
Carpets	Sq. yard	21,859	16,872	27,385	49,024	40,778	61,788
Rugs, made of sewed strips	do	14,264	9,340	3,720	53,628	35,106	14,410
Rugs, woven whole	do	35,977	40,981	42,306	79,233	87,333	98,088
WOOL SHODDY							
Total value					19,201	10,737	13,075
Recovered wool fiber	Pound	67,543	40,823	57,562	19,201	10,737	13,075

For footnotes, see p. 853.

No. 819.—Textile Manufactures: Production—Continued

Product	Unit	Quantity (thousands of unit specified)			Value (thousands of dollars)		
		1925	1927	1929	1925	1927	1929
CORDAGE AND TWINE AND JUTE AND LINEN GOODS							
Total value					148,965	130,004	135,989
Rope, cable, and cordage:							
Manila hemp	Pound	101,006	105,614	114,476	21,791	22,607	22,171
Sisal	do	43,094	30,712	27,381	6,469	4,439	3,917
Hennequin	do	*5,223*	*12,992*	*16,120*	778	1,840	2,447
Cotton	do	25,903	27,404	28,096	9,278	7,002	8,299
All other	do	58,033	55,929	41,614	9,661	8,154	5,784
Twine, binder	do	233,661	169,795	178,605	29,249	19,457	18,395
Twine, cotton	do	49,941	64,208	85,988	19,734	20,160	28,991
Twine, other	do	50,501	74,065	91,091	11,000	12,813	15,204
Yarns for sale	do	97,475	88,539	97,935	19,475	15,742	15,467
Linen thread	do	2,857	2,708	3,103	4,094	4,211	4,510
Linen woven goods					2,993	3,552	3,305
Jute bagging	Sq. yard	45,871	48,272	27,363	5,048	5,200	3,120
Other products					8,855	4,227	4,310
HATS, FUR-FELT[5]							
Total value					76,625	93,025	95,278
Hats	Dozen	1,733	2,013	1,770	62,224	73,084	70,809
Hat bodies and hats in the rough	do	963	1,233	1,534	14,401	19,941	24,469
FLOOR COVERING, OILCLOTH, AND ARTIFICIAL LEATHER							
Total value					130,039	124,859	140,673
Oilcloth (cotton back)	Sq. yard	87,373	105,284	125,677	18,822	18,763	23,640
Linoleum (jute back)	do	52,830	49,921	48,272	44,513	42,031	48,744
Floor covering (felt back)	do	77,389	111,793	117,970	30,029	34,900	36,943
Artificial leather	do	68,580	61,792	65,892	36,675	29,165	31,340

[1] Figures for 1925 and 1927 are not strictly comparable with those for 1929; data for the several classes made as secondary products in other industries are included for 1929 but not for 1925 and 1927.
[2] Data not available.
[3] Included in other knit products.
[4] 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."
[5] Figures for 1925 are not strictly comparable with those for 1927 and 1929; data for fur-felt hats made as secondary products in other industries are included for 1927 and 1929 but not for 1925.

Source: Bureau of Census, Department of Commerce.

No. 820.—BOOTS AND SHOES: 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 814, p. 829. Data for 1922 to 1930 compiled from monthly reports of manufacturers representing approximately 95 per cent of the total production in the United States

Year	Total	Men's	Boys' and youths'	Women's	Misses' and children's	Infants'	Athletic and sporting (leather)	Canvas and other textile	Not specified (including slippers)
1914	292,066	93,031	22,806	80,916	48,322	15,477	[1]	[1]	27,024
1919	331,225	95,017	26,504	104,813	48,538	16,669	586	11,056	28,042
1921	286,771	69,458	18,462	101,474	36,006	17,379	5,647	8,602	30,784
1922	323,876	89,984	21,632	105,308	39,444	23,939	8,448	6,739	28,323
1923	351,114	100,283	22,239	109,676	40,136	27,015	6,434	8,347	36,984
1924	313,230	84,663	20,274	104,135	35,594	23,823	5,853	6,260	32,529
1925	323,553	86,546	21,021	104,782	38,601	24,587	5,914	8,564	33,448
1926	324,514	86,644	21,111	110,447	38,577	24,041	*5,318*	*4,790*	33,586
1927	343,606	95,328	24,229	110,250	39,650	24,542	[2] 1,488	3,301	38,809
1928	344,351	90,970	23,032	123,753	37,135	23,835	[2] 1,547	3,700	40,319
1929	361,402	94,770	22,993	131,303	39,927	23,750	[2] 1,612	3,121	43,926
1930	304,170	77,147	18,530	112,629	32,037	18,558	[2] 1,728	2,593	40,948

[1] Not reported separately; included with "not specified, etc."
[2] Excludes certain heavy footwear formerly classified as "athletic" but properly included with men's.

Source: Bureau of the Census, Department of Commerce.

No. 821.—LEATHER: PRODUCTION BY PRINCIPAL KINDS

NOTE.—For value of products of the tanning industry see Table 814, p. 829

Kind	1924	1925	1926	1927	1928	1929	1930
Sole leather, cattle...1,000 backs, bends, sides	14,640	14,879	13,615	15,829	16,138	14,516	15,513
Belting leather...*1,000 butts and butt bends*	1,231	809	809	929	847	990	822
Harness leather...1,000 sides	1,269	1,288	1,169	1,016	813	642	506
Bag, case, and strap leather...do	1,056	1,175	1,183	1,105	812	947	751
Upholstery leather:[1]							
Whole-hide grains...1,000 hides	466	463	405	354	321	273	186
Machine buffed...do	183	163	196	148	149	141	53
Whole-hide splits...1,000 pieces	917	832	807	938	709	672	388
Upper leather (other than patent):[1]							
Cattle (including kip side)...1,000 sides	14,329	15,338	15,476	13,459	11,485	12,010	11,112
Calf and kip...1,000 skins	15,981	13,621	14,943	16,150	14,975	14,540	13,589
Goat and kid...do	34,641	40,887	48,415	49,417	52,862	54,355	54,451
Cabretta...do	2,380	2,412	2,344	1,551	2,064	1,672	1,972
Sheep and lamb...do	18,148	14,124	13,978	14,849	16,952	17,752	10,955
Patent leather (other than upholstery):[1]							
Cattle (including kip side)...1,000 sides	8,854	8,628	7,459	8,388	7,881	5,954	4,626
Horse and colt...1,000 half fronts	802	684	610	416	425	271	124
Goat and kid...*1,000 skins*	*865*	*991*	*504*	*430*	*734*	*802*	*495*
Glove and garment leather:[1]							
Horse, colt, ass, and mule—							
Half fronts...thousands	1,000	1,146	1,009	1,459	1,500	1,857	2,170
Shanks...do	1,165	1,011	1,143	1,154	1,301	1,420	1,497
Cabretta...1,000 skins	1,197	1,678	2,071	1,820	1,014	1,066	1,155
Sheep and lamb...do	5,561	5,326	5,297	7,576	9,026	8,633	9,298
Fancy and bookbinders' leather:[1]							
Sheep and lamb...1,000 skins	2,847	1,084	2,369	2,825	3,201	2,618	1,912
Goat and kid...do	338	541	664	717	1,116	889	398
Splits (other than upholstery) finished and rough...1,000 pieces	20,361	24,023	24,617	24,645	21,945	22,465	19,315

[1] Figures shown for principal kinds only.

Source: Bureau of the Census, Department of Commerce.

No. 822.—RUBBER-MANUFACTURING INDUSTRY: PRODUCTS

Product	Unit	Quantity (thousands of unit specified)			Value (thousands of dollars)		
		1925	1927	1929	1925	1927	1929
All products, total value					1,260,805	1,231,970	1,119,226
Tires and inner tubes:							
Pneumatic—							
Automobile and truck	Number	136,172	134,405	143,808	774,727	739,070	654,103
Motor cycle and bicycle	*...do*	*2,512*	*3,046*	*3,737*	*3,961*	*3,695*	*3,634*
Solid—							
Truck	...do	1,035	813	590	43,870	34,985	17,947
All other					1,991	1,673	1,128
Boots, rubber	Pair	4,739	5,362	5,454	16,028	16,746	16,141
Shoes and overshoes, rubber	...do	52,339	71,577	51,357	80,077	90,994	64,883
Shoes, canvas, with rubber soles	...do	25,000	28,810	43,954	23,818	25,456	30,335
Heels, sold as such or on hand	...do	342,196	318,346	292,719	26,092	25,504	17,927
Soles, including composition or fiber	...do	36,064	40,820	46,189	10,384	9,341	8,900
Rubberized fabrics, sold as such or on hand:							
Automobile and carriage	Yard	25,232	17,363	22,408	13,873	11,048	11,864
All other	...do	25,840	38,445	70,560	7,760	15,493	17,890
Belting					23,481	21,947	25,776
Hose					35,644	41,472	40,932
Packing					4,444	4,853	5,033
Clothing					7,748	(1)	(1)
Druggists' and stationers' sundries					18,462	15,732	16,894
Hard-rubber goods					29,111	18,891	17,937
All other manufactures of rubber					113,955	122,206	136,340
Reclaimed rubber	Pound	243,852	330,436	363,696	23,021	27,373	23,906
All other products					2,358	[2] 5,491	[2] 7,696

[1] Included in "All other manufactures of rubber."

[2] Includes clothing.

Source: Bureau of the Census, Department of Commerce.

No. 823.—CHEMICALS: PRODUCTS MADE FOR SALE

NOTE.—The table includes products made in all industries, sometimes as by-products. 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 establishment. 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

Product	Unit	Quantity (thousands of unit specified)			Value (thousands of dollars)		
		1925	1927	1929	1925	1927	1929
Total value					[1] 636,972	[1] 655,319	[1] 823,856
Acids:							
Acetic	Pound	65,592	46,290	66,364	4,488	5,049	6,890
Boric (boracic)	do	15,605	21,010	26,055	1,202	1,583	1,541
Carbonic	do	59,721	74,344	136,030	5,128	6,048	6,932
Citric	do	7,598	7,058	10,736	3,470	3,151	4,333
Hydrochloric (muriatic)	Ton	155	162	196	2,976	3,016	3,195
Mixed (sulphuric-nitric)	do	61	61	64	3,767	3,821	4,214
Nitric	do	27	29	35	3,560	3,569	3,495
Oleic	Pound	53,276	55,686	56,948	5,171	4,778	5,376
Phosphoric	do	21,330	22,397	34,674	1,489	1,682	2,073
Stearic	do	26,877	37,277	39,154	3,379	3,892	5,488
Sulphuric (basis 50° B)	Ton	4,700	4,972	5,816	38,230	42,886	45,573
Sulphuric reclaimed (50° B for 1925 and 1927)	do	210	191	381	1,479	1,089	1,389
Other acids					4,985	7,683	9,554
Alums	Ton	307	341	369	8,735	9,525	9,389
Aluminous abrasives	do	16	20	33	1,789	1,970	3,446
Other aluminum compounds					1,057	2,068	3,114
Bleaching compounds:							
Chlorine	Pound	104,960	180,163	289,865	4,236	6,678	7,113
Hypochlorites (calcium, sodium)	Ton	131	135	120	5,842	5,589	5,366
Peroxide bleaches	Pound	34,696	30,305	34,288	3,341	3,079	3,511
Sulphur bleaches					3,743	3,629	3,881
Coal-tar products:							
Crudes					25,403	24,862	24,025
Intermediates					25,324	22,844	26,633
Dyes and other finished products					61,474	58,350	78,765
Gases, compressed and liquefied					55,532	(2)	(2)
Nitrogen compounds:							
Ammonia (aqua)	Pound	66,228	46,225	80,200	3,027	1,260	1,784
Ammonia (anhydrous)	do	31,725	45,115	173,349	6,772	4,011	10,073
Other ammonium compounds					5,208	6,325	3,579
Ferric ferrocyanide	Pound	4,971	4,104	4,803	1,620	1,365	1,446
Other cyanides					5,044	4,946	6,337
Other nitrogen compounds					7,927	8,178	14,582
From coke-oven operations not included in total value (*Bureau of Mines*)—							
Ammonium sulphate	Pound	986,179	1,225,625	1,350,154	22,405	23,905	24,174
Liquor (NH_3 equivalent)	do	47,129	49,011	51,762	4,386	2,335	2,687
Plastics:							
Pyroxylin, including collodion	do	47,005	[3] 16,298	[3] 20,427	27,878	[3] 14,410	[3] 18,063
Finished articles of pyroxylin					10,984	6,801	10,522
Other plastics					9,870	6,992	12,946
Potassium compounds:							
Bitartrate (cream of tartar)	Pound	7,073	7,595	7,853	1,472	1,747	1,930
Iodide	do	495	528	444	1,821	1,897	1,487
Other					2,778	5,063	6,581
Sodium compounds:							
Bichromate and chromate	Ton	28	31	39	3,527	3,760	5,137
Biborate (borax)	do	50	65	92	4,083	5,079	3,280
Carbonates—							
Soda ash	do	1,369	1,466	1,814	32,244	29,939	34,649
Sal soda (crystals)	do	64	55	58	1,332	1,371	1,523
Bicarbonate	do	123	121	140	3,052	3,647	4,062
Modified sodas	do	47	54	65	1,551	1,828	2,111
Hydroxide (caustic)	do	487	561	721	27,392	29,193	35,833
Repacked caustic	do	27	21	17	4,415	4,128	3,612
Phosphates	do	80	97	146	5,755	6,985	8,965
Silicate	do	395	505	591	5,717	6,826	7,179

[1] The value of compressed and liquefied gases is included in the total for 1925, but not for later years. (See footnote 2.)

[2] Treated as a separate industry beginning 1927, see Table 825, p. 857.

[3] Data for pyroxylin solutions and thinners excluded for 1927 and 1929 in this table but included under "Paint and Varnish" in Table 825, p. 857.

No. 823.—Chemicals: Products Made for Sale—Continued

Product	Unit	Quantity (thousands of unit specified)			Value (thousands of dollars)		
		1925	1927	1929	1925	1927	1929
Sodium compounds—Continued.							
Sulphates—							
Salt cake	Ton	141	175	170	2,339	2,787	2,015
Glauber's salt	do	58	53	62	1,265	1,082	1,112
Thiosulphate (hypo)	do	24	24	25	1,051	993	906
Other	do	104	123	87	529	744	1,202
Sulphide	do	24	38	33	1,203	1,692	1,407
Other					13,466	13,806	20,528
Miscellaneous:							
Barium compounds					1,498	1,607	2,234
Bismuth compounds					1,216	938	898
Calcium—							
Acetate	Ton	73	69	58	3,437	4,021	4,695
Arsenate	Pound	15,199	27,282	33,064	1,075	1,655	1,860
Carbide	Ton	128	202		6,599	9,398	[4]
Chloride	do	171	191	277	3,719	4,443	5,947
Hypochlorite	do	115	111	93	3,967	4,148	3,351
Phosphate	do	36	34	38	4,455	4,914	5,557
Other					893	2,658	14,728
Carbon bisulphide	Pound	39,875	44,972	71,010	1,934	2,160	2,860
Cobalt compounds and alloys					413	518	770
Copper sulphate (blue vitriol)	Pound	32,207	56,667	78,669	1,684	2,774	4,345
Ethyl acetate	Gallon	2,907	4,607	10,932	2,407	3,701	9,007
Ferro-alloys (not blast furnace)	Ton	150	197	247	15,255	17,049	28,655
Formaldehyde	Pound	21,972	26,447		1,891	2,432	[5]
Glycerin (glycero) refined	do	94,303	89,585	113,140	16,991	19,185	12,716
Iron sulphate (copperas)	Ton	53	62	56	603	673	554
Lead arsenate	Pound	11,938	21,528	30,682	1,778	3,190	3,523
Silver nitrate	Ounce	4,339	4,897	5,647	2,023	1,957	2,016
Sulphur, refined	Ton	47	44	78	2,121	1,799	3,066
Tin, salt, and compounds					6,783	10,553	13,112
Vanillin	Pound	215	300	317	1,134	1,923	1,858
Zinc chloride	do	58,947	58,268	77,232	1,993	1,921	1,619
All other products					132,764	169,274	239,450
Intergroup duplications					[6] 49,398	[6] 21,858	[6] 28,206

[4] Included in "Other calcium compounds." [5] Included in "All other products."

[6] 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 under "Other nitrogen compounds," likewise calcium hypochlorite is included in "Hypochlorites" under "Bleaching compounds" and is shown under "Calcium compounds."

No. 824.—NATURAL DYESTUFFS AND TANNING MATERIALS: Production[1]

Product	Quantity (thousands of pounds)			Value (thousands of dollars)		
	1925	1927	1929	1925	1927	1929
All products, total value				36,278	37,192	42,975
Natural dyestuffs:						
Extracts	23,402	26,500	26,246	1,971	2,049	2,426
Ground, chipped, or dry	1,226	921		44	20	
Tanning extracts:						
Oak and chestnut	303,089	319,155	277,989	5,353	5,671	4,296
Hemlock	8,622	6,598	[2]	284	210	[2]
Sumac	4,212	5,525	5,279	261	277	344
Quebracho	82,385	124,557	100,067	2,396	3,010	3,229
Other				2,040	1,854	1,937
Other tanning materials				409	409	152
Mordants				985	959	1,832
Sizes:						
Dextrin	50,350	31,917	33,507	3,336	2,093	2,043
Rosin	140,859	157,691	201,290	5,498	5,869	6,109
Gum, other than rosin	44,358	16,042	20,138	2,279	920	1,401
Starches, glue, and other	28,422	30,980	42,361	1,592	2,405	3,612
Turkey red oil	14,338	15,580	24,261	1,552	1,560	2,542
Softeners and other assistants				3,224	3,622	4,351
All other products				5,055	6,204	8,701

[1] Products made in all industries, sometimes as by-products, are included. [2] Included with "Other."

Source of Tables 823 and 824: Bureau of the Census, Department of Commerce.

No. 825.—MISCELLANEOUS INDUSTRIES INVOLVING CHEMICAL PROCESSES: CENSUS STATISTICS OF PRODUCTS

NOTE.—Only major products of a fairly sharply defined character, and in general only those for which quantitative data are available are shown. See also chemicals (Table 823), petroleum refining (Table 795), manufactured gas (Table 784), etc. Semifinished products made for consumption in the same establishment are not included, except where otherwise stated, 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. Data include, except where otherwise stated, not only products of the major industry specified but also similar products made in other industries. Tons are of 2,000 pounds

Industry and product	Quantity (thousands of unit specified)				Value (thousands of dollars)		
	Unit	1925	1927	1929	1925	1927	1929
BONE BLACK, CARBON BLACK, AND LAMPBLACK							
All products, total value					17,189	16,389	22,411
Bone black	Pound	64,135	59,350	54,277	2,540	2,524	2,400
Carbon black	do	177,417	198,429	283,806	9,640	10,955	17,028
Lampblack	do	12,032	8,800	101,765	1,435	1,040	1,185
All other products					3,574	1,850	1,707
FERTILIZERS							
All products, total value					214,809	198,923	253,491
Fertilizers	Ton	8,157	8,027	9,320	195,040	173,810	222,731
Complete fertilizers	do	4,926	5,088	5,992	143,327	128,380	168,338
Superphosphates, including concentrated phosphates, for sale	do	2,639	2,435	[1] 2,531	35,180	30,003	28,375
Other fertilizers	do	664	600	797	16,533	15,427	25,517
All other products					19,769	25,113	30,760
PAINT AND VARNISH							
All products, total value					511,999	558,947	613,285
Colors (pigments)	Pound	1,608,119	1,773,889	1,918,459	103,919	105,756	116,753
Paints in paste form	do	434,583	408,722	401,546	55,707	49,554	46,666
Ready mixed paints	Gallon	87,640	94,071	106,165	158,376	165,664	178,242
Water paints and kalsomine, dry or in paste	Pound	110,618	122,486	155,811	4,036	6,321	7,093
Varnishes, japans, and lacquer, including enamels	Gallon	89,692	106,452	120,874	130,491	170,579	204,881
Fillers:							
Liquid	do	722	506	495	922	722	683
Paste and dry	Pound	42,004	41,486	30,013	2,304	2,109	1,954
Putty	do	101,209	102,703	99,163	3,026	4,255	4,253
Bleached shellac	do	11,136	10,611	11,140	5,001	5,015	5,431
Other products					39,727	48,972	47,309
SOAP							
All products, total value					282,728	293,352	322,109
Hard soaps	Pound	[2] 2,100,133	[2] 2,219,228	2,250,063	[2] 191,384	[2] 191,458	199,856
Toilet soaps	do	[2] 272,207	[2] 287,606	1,324,383	[2] 49,387	[2] 53,573	59,983
Soap chips	do	325,043	373,216	387,925	36,284	39,422	41,704
Laundry and boats soap	do	1,444,018	1,502,183	1,487,012	98,247	93,022	93,806
All other hard soaps	do	57,865	56,133	51,343	7,466	5,371	4,243
Granulated and powdered soaps	do	142,322	215,019	337,201	15,790	21,016	35,725
Soap powders, including commodities reported as cleansing and washing powders	do	517,986	494,464	505,629	25,858	24,024	23,387
Soft soap	do	61,180	79,773	66,141	2,514	4,231	3,951
Liquid soap	do	22,047	24,934	35,203	2,122	3,241	3,497
Shaving soap, cream, and powder					(3)	(3)	10,794
Paste soap	Pound	30,086	30,459	40,526	2,201	2,259	3,010
Special soap articles	do	[4] 22,750	[4] 33,250	6,444	[4] 1,731	[4] 2,643	766
All other products					41,128	44,480	41,123
COMPRESSED AND LIQUEFIED GASES							
All products, total value					[5] 55,532	62,344	71,880
Acetylene	Cu. ft	525,746	682,481	909,485	13,515	16,196	16,554
Hydrogen	do	150,502	103,714	207,843	877	742	1,423
Oxygen	do	2,073,826	2,350,890	3,140,095	22,577	23,987	29,410
Nitrous oxide (laughing gas)	Gallon	54,882	66,392	109,812	720	810	1,196
Other gases					17,834	20,129	23,710
All other products					(3)	480	567

[1] Basis, 16 per cent, available phosphoric acid.
[2] Figures include shaving soap.
[3] Data not reported separately.
[4] Due to a change in classification, figures are not strictly comparable with 1929.
[5] Excludes "All other products."

No. 825.—Miscellaneous Industries Involving Chemical Processes: Census Statistics of Products—Continued

Industry and product	Quantity (thousands of unit specified)				Value (thousands of dollars)		
	Unit	1925	1927	1929	1925	1927	1929
DRUGGISTS' PREPARATIONS							
All products, total value					80,921	108,502	124,989
Caffeine	Pound	322	309	442	1,047	1,178	1,104
Codein	do	6	9	14	702	1,169	1,986
Morphine	do	6	11	8	922	1,391	1,081
Strychnine	do	14	28		122	190	
Nicotine	do	711	790		1,682	2,011	3,858
Other, including quinine and other cinchona alkaloids, and alkaloids not itemized.					1,862	1,215	
Biological products					10,022	18,411	16,850
Tinctures, fluid extracts, medicinal sirups, and other liquid preparations not otherwise accounted for.					30,232	38,612	49,487
Pills, tablets, powders, etc., not otherwise accounted for.					32,554	41,745	46,184
Pharmaceutical metals and their salts					1,176	2,580	4,439
PATENT AND PROPRIETARY MEDICINES							
All products, total value					174,306	184,073	211,840
For sale to the general public					134,188	140,679	154,899
Ethical specialties (dispensed on prescription).					40,118	43,394	56,941
PATENT AND PROPRIETARY COMPOUNDS							
All products, total value					72,938	84,132	101,913
Antiseptics					13,842	17,864	21,709
Liquid deodorants	Pound		6,378	10,871		1,517	3,451
Block and crystal deodorants	do		514	1,503	2,719	380	961
Powder deodorants	do		1,672	1,937		347	370
Other deodorants	do		630	638		329	251
Coal-tar disinfectants	do		23,231	21,774		3,825	4,637
Pine oil disinfectants	do		2,897	1,832		442	427
Chloride of lime and chlorine products	do		1,391	2,836	5,775	124	536
Other disinfectants	do		7,284	11,281		1,698	1,731
Germicides					1,306	2,237	2,483
Sprays, fly	Pound		18,408	36,085		6,101	9,323
Insect powder (pyrethrum)	do		2,731	5,542		1,772	2,447
Fluoride powders and mixtures	do		615	701	18,904	310	385
Moth repellants	do		3,680	2,364		1,104	800
Other household insecticides	do		14,197	8,955		3,621	2,123
Agricultural insecticides and fungicides.						8,782	10,340
Disinfectants and household insecticides, not reported by kind.							3,345
All other compounds					30,442	33,079	36,504
PERFUMES, COSMETICS, AND OTHER TOILET PREPARATIONS							
All products, total value					147,393	178,474	201,689
Perfumes					20,368	15,302	19,198
Toilet waters						8,469	8,264
Creams					35,549	29,210	33,347
Rouges						11,492	12,309
Dentifrices					25,736	30,693	32,464
Hair tonics					9,991	11,639	10,339
Face powders					21,378	21,583	24,038
Talcum powders						8,003	8,344
Other toilet powders						3,097	2,340
All other toilet preparations					34,382	38,979	51,046
ICE, MANUFACTURED							
All products, total value					193,267	190,556	215,776
Ice:							
Ice industry	Ton	38,813	39,058	44,530	180,782	178,630	204,624
Can ice	do	38,220	38,865	44,457	178,157	177,765	204,328
Plate ice	do	585	193	73	2,625	874	296
Other industries	do	1,350	1,229	995	6,298	5,761	4,605
All other products, etc					6,187	6,156	6,547

Source: Bureau of the Census, Department of Commerce.

No. 826.—PRINTING AND PUBLISHING: CENSUS STATISTICS

Publications	1921	1923	1925	1927	1929
	Value (thousands of dollars)				
Total	1,827,309	2,021,356	2,269,638	2,507,426	2,760,196
Newspapers and periodicals, printed and published or published only	1,005,270	1,154,786	1,321,611	1,459,688	1,580,565
Subscriptions and sales	328,283	360,893	393,338	429,407	460,327
Advertising	676,987	793,893	923,273	1,030,221	1,120,238
Newspapers	734,321	803,497	892,094	977,648	1,073,119
Periodicals, other than newspapers	270,949	351,289	429,517	482,040	507,446
Newspapers and periodicals, printed for publication by others	35,301	36,893	56,488	54,975	71,521
Books and pamphlets	166,663	178,474	201,708	232,920	257,012
Sheet music and books of music	14,293	14,163	14,133	17,147	16,533
Job printing, general, electrotyping, engraving, lithographing and blank books	574,212	623,047	669,937	737,021	825,585
All other products	32,070	13,993	5,761	5,675	8,975
	Aggregate circulation per issue				
Newspapers and periodicals:					
Daily	32,341,678	35,733,107	38,039,682	42,343,210	42,947,824
Sunday	20,853,355	24,511,693	25,030,056	27,695,859	29,011,548
Triweekly	523,872	431,504	400,730	408,534	311,777
Semiweekly	1,540,206	2,024,683	1,934,095	2,026,760	2,982,184
Weekly	43,521,178	47,860,508	50,815,443	55,985,413	58,378,350
Monthly	83,459,144	91,664,028	111,875,957	120,693,490	133,048,488
Quarterly	21,745,210	22,197,918	22,840,185	21,247,360	20,605,002
All other classes	6,962,012	7,620,173	8,450,308	8,156,399	11,514,355

No. 827.—ENGINES, WATER TURBINES, TRACTORS, AND LOCOMOTIVES

[Value in thousands of dollars]

Class	1921	1923	1925	1927	1929
Total	242,526	407,038	310,558	367,026	494,553
Steam engines	30,367	26,765	24,411	22,573	32,415
Reciprocating marine	5,916	1,170	636	1,703	5,137
Reciprocating stationary and portable	8,775	12,882	7,902	5,406	
Stationary turbines	12,342	10,328	14,055	14,499	27,278
Marine turbines	2,321	(1)	(1)	936	
Not reported as to type	1,003	2,385	1,758		
Internal-combustion engines (not including tractors)	74,699	110,752	117,894	141,181	186,633
Diesel and semi-Diesel type—					
Marine	8,273	14,013	7,353	7,062	11,430
Other			15,875	13,347	15,369
Other internal-combustion engines—					
Marine—					
Stationary	7,604	8,492	8,833	7,370	7,111
Detachable			2,561	5,553	7,852
Motor vehicle [2]	31,005	[3] 59,074	[3] 55,624	69,636	80,654
Other stationary and portable	[4] 27,817	29,173	27,648	34,699	49,251
Aircraft engines [5]				9,494	24,006
Tractors and traction engines	53,169	78,320	102,905	130,950	196,997
Tractors, internal-combustion	53,169	76,427	102,647	136,837	196,953
Traction engines, steam		1,893	258	113	44
Tractor trucks (semitractors)			(6)	2,172	
Water turbines	[7] 4,024	6,732	5,338	5,441	5,045
Engines and turbines not specified as to kind of power			[8] 13,707	414	658
Locomotives, steam	79,677	184,469	46,301	58,315	62,805

[1] No data.
[2] Excluding engines built for installation in motor vehicles manufactured in the same establishments.
[3] Includes some aviation engines for 1923 and 1925 and a few motor-cycle engines for 1923.
[4] Includes data for motor-cycle and aviation engines.
[5] 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 footnotes 3 and 4).
[6] Reported with "Engines and turbines," etc., to avoid disclosing operations of individual establishments.
[7] Includes data for a small number of water motors not reported separately.
[8] Reported as secondary products by establishments in other industries; tractor trucks also included.

Source of Tables 826 and 827: Bureau of the Census, Department of Commerce.

No. 828.—METAL-WORKING MACHINERY (INCLUDING MACHINE TOOLS): PRODUCTION[1]

NOTE.—This table includes data for all establishments reporting the production of metal-working machinery, both as a primary and a secondary product

Kind	Number			Value (thousands of dollars)		
	1925	1927	1929	1925	1927	1929
Metal-working machinery, total value	------	------	------	138, 812	144, 756	236, 396
Machine tools	------	------	------	91, 459	105, 555	186, 061
Metal-working machinery, other than machine tools	------	------	------	47, 353	39, 201	50, 335
Machine tools:						
Bending machines	807	2, 114	2, 680	642	1, 085	1, 584
Boring machines	802	598	681	3, 032	3, 352	6, 926
Broaching machines	435	255	250	540	372	897
Cutting-off machines	1, 786	2, 066	3, 185	497	602	1, 205
Drilling machines	(2)	(2)	(2)	7, 046	7, 745	17, 295
Forging machines	85	738	950	779	2, 481	3, 067
Gear-cutting machines	1, 271	1, 267	2, 216	4, 258	4, 417	8, 980
Grinding machines	(2)	(2)	(2)	10, 734	12, 250	23, 554
Hammers, stationary	855	324	(2)	829	560	1, 595
Lathes and screw machines (automatic)	(2)	12, 877	24, 469	22, 264	23, 969	49, 554
Milling machines	(2)	2, 978	5, 667	9, 489	8, 545	16, 857
Pipe cutting and threading machines	2, 637	2, 281	2, 933	1, 305	1, 344	1, 756
Planers	198	196	268	1, 105	1, 867	2, 517
Portable tools	(2)	(2)	(2)	11, 896	15, 255	15, 499
Presses	(2)	(2)	(2)	7, 995	8, 054	9, 792
Punching machines (stationary)	1, 034	638	330	1, 910	862	1, 112
Riveting machines (stationary)	(2)	1, 868	800	687	673	192
Shapers	1, 125	986	1, 813	1, 615	1, 629	3, 177
Shears (power)	1, 802	1, 771	2, 072	1, 351	1, 308	2, 119
Slotters	62	36	156	405	182	409
Threading machines (excepting pipe)	(2)	(2)	(2)	839	1, 613	2, 791
All other machine tools	(2)	(2)	(2)	5, 241	7, 399	15, 684
Metal-working machinery, other than machine tools:						
Rolling-mill machines	(2)	(2)	(2)	15, 001	14, 308	19, 617
Sheet-metal working machines	(2)	(2)	(2)	17, 468	17, 545	23, 139
Wire-drawing machines	(2)	(2)	(2)	670	1, 504	1, 619
Rod and wire-working machinery	(2)	(2)	(2)	14, 214	5, 844	4, 077
Other metal-working machines	(2)	(2)	(2)			1, 880

[1] Data for 1925 are not strictly comparable with those for 1927 and 1929.
[2] Data incomplete.

Source: Bureau of the Census, Department of Commerce.

No. 829.—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," "cash registers, adding and calculating machines," "dairymen's, poultrymen's, and apiarists' supplies," "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 827, 828, 830, and 831

Class	1921	1923	1925	1927	1929
Agricultural machinery	58, 136	82, 130	85, 471	129, 595	167, 673
Aircraft	5, 099	9, 077	8, 102	14, 505	51, 508
Bakers' machinery and equipment	10, 560	14, 451	17, 212	20, 015	21, 730
Blowers and fans	12, 518	14, 386	16, 210	20, 433	25, 221
Bottling machinery	6, 042	5, 969	10, 139	11, 584	11, 082
Clay-working machinery (brick, pottery, etc.)	3, 772	5, 508	5, 298	4, 308	4, 402
Canning machinery	5, 139	9, 691	9, 766	7, 330	8, 535
Cars and trucks, industrial and mining	(1)	17, 919	24, 267	21, 741	26, 886
Cash registers, adding and calculating machines, and parts	53, 960	96, 378	93, 615	100, 603	106, 217
Cement and concrete machinery:					
Cement-making machinery	(1)	3, 680	4, 146	4, 619	4, 387
Cement and concrete-block machinery	(1)	(1)	1, 461	656	1, 147
Concrete mixers	(2)	13, 602	12, 620	12, 674	11, 405
Other cement and concrete machinery	(1)	(2)	5, 604	2, 584	2, 985
Condensers	(1)	4, 588	4, 938	5, 899	4, 386
Confectionery and ice-cream machinery	5, 157	5, 029	5, 143	5, 682	3, 674

Footnotes at end of table.

No. 829.—Machinery: Value of the Principal Classes Manufactured—Continued

[Values in thousands of dollars]

Class	1921	1923	1925	1927	1929
Conveying machinery:					
Bucket type	(1)	(1)	14,717	10,726	9,387
Belt type	(1)	(1)	8,601	10,520	14,206
Other	(1)	(1)	7,370	12,282	24,945
Cotton gins	2,721	7,175	12,808	9,543	11,760
Cranes (including hoists and derricks)	20,445	42,197	43,036	44,454	57,840
Dairy, cheese-factory, and butter-factory machinery	17,759	16,486	15,177	16,536	16,743
Dredging and excavating machinery:					
Power shovels	12,858	23,084	26,609	32,106	43,348
Other	4,991	16,622	19,232	19,770	17,397
Electrical machinery	89,800	128,384	134,513	154,644	221,631
Elevators and elevator machinery	40,931	52,516	47,430	43,152	44,044
Engines (steam or internal-combustion) and water wheels [3]	186,488	266,285	317,255	359,607	460,089
Flour-mill and grain-mill machinery	8,663	9,084	7,946	7,967	8,286
Gas machines and apparatus	4,564	7,243	6,242	5,082	5,408
Glass-making machinery	4,088	2,651	2,666	3,085	3,688
Hydraulic machinery:					
Hydraulic rams	(2)	(2)	218	450	126
Other	(2)	(2)	(2)	(2)	10,082
Laundry machinery	12,983	19,077	24,198	27,204	28,893
Lawn mowers	6,401	8,258	8,047	9,289	10,953
Leather-working machinery, other than shoe	2,526	2,575	2,222	2,000	1,249
Locomotives (steam, electric, internal-combustion)	90,111	194,673	58,359	70,508	77,999
Machine tools	(2)	80,964	91,459	105,555	136,061
Metal-working machinery, other than machine tools	(1)	(1)	47,353	39,201	50,336
Meters, gas and water	18,181	23,397	24,502	24,978	22,036
Mining machinery, other than oil-well	30,200	[4] 47,590	34,827	35,250	40,325
Motion-picture cameras and projectors	2,869	2,631	4,620	8,345	8,755
Motor cycles and bicycles	12,710	20,752	15,906	13,804	13,727
Motor vehicles, except motor cycles	1,326,120	2,611,735	2,946,821	2,540,714	3,412,056
Oil-mill machinery, cottonseed, and other	1,472	3,037	4,133	4,697	2,533
Oil-well machinery	27,415	52,158	47,299	62,126	89,067
Ore crushers	3,322	4,802	3,252	2,893	(5)
Packing-house machinery	4,133	5,441	5,370	5,577	6,663
Paper-mill and pulp-mill machinery	[6] 31,581	18,736	21,209	27,098	30,456
Pneumatic machinery (other than pneumatic tools):					
Air compressors	15,729	27,762	29,473	29,319	39,683
Other pneumatic machinery	(1)	(1)	(1)	(2)	1,691
Printing machinery	54,870	68,630	67,056	63,240	64,850
Pumps (hand and power) and pumping equipment	[7] 69,255	92,815	121,345	129,127	146,312
Refrigerating machinery	33,174	36,542	62,503	110,246	166,320
Road-making machinery	17,858	24,264	20,297	27,728	30,694
Rubber-working machinery	8,003	6,849	10,164	9,951	13,552
Scales and balances	15,885	21,836	23,601	22,166	25,415
Sewing machines, cabinets, attachments, and parts	[8] 35,508	[8] 42,999	[8] 45,131	34,925	40,960
Shoe machinery	9,482	10,663	11,709	12,334	12,317
Slot-vending machines	2,466	3,777	4,202	7,059	8,221
Stokers, mechanical	7,161	14,095	9,420	10,213	14,066
Sugar-mill machinery	12,075	9,112	8,643	6,601	5,046
Textile machinery and parts	115,167	127,406	109,364	102,200	115,525
Transmission machinery	(1)	11,359	15,350	18,246	26,787
Typewriters (new and rebuilt)	[9] 31,972	[9] 39,521	[9] 50,190	51,942	55,057
Vacuum cleaners (electric)	21,726	36,870	40,285	36,972	[10] 35,138
Washing machines, clothes wringers, driers, and ironing machines for domestic use	32,444	57,551	70,761	73,847	69,140
Well-drilling machinery, other than oil-well	1,353	1,074	1,843	1,545	1,463
Windmills and windmill towers	3,953	4,636	5,682	4,555	5,411
Woodworking machinery	25,682	44,447	39,620	29,569	35,151

[1] Not reported separately.
[2] No comparable data.
[3] Excluding steam boilers made for sale as separate units.
[4] Not strictly comparable with figures for other years due to changes in classification.
[5] The value is withheld from publication in order to avoid disclosing data for individual establishments.
[6] Includes machinery used for converting paper into boxes, bags, etc., for 1921, but not for other years.
[7] Not strictly comparable with later years; includes power pumps and equipment only.
[8] Figures include sewing machine cases made for sale as such.
[9] Figures not strictly comparable with later years which include value of parts.
[10] Figures include both electric and other vacuum cleaners.

Source: Bureau of the Census, Department of Commerce.

No. 830.—ELECTRICAL MACHINERY, APPARATUS, AND SUPPLIES: VALUE OF PRODUCTS, BY CLASSES

NOTE.—All figures except number, kilovolt-amperes, and kilowatts in thousands of dollars. Includes subsidiary products of establishments classed under other industries

Product	1921	1923	1925	1927	1929
Total value	809,590	1,278,700	1,549,018	1,668,105	2,334,246
Generators (not specified elsewhere):					
Alternating current—					
Number	1,687	1,975	2,098	2,856	2,360
Kilovolt-amperes (thousands)	2,994	[1]	3,674	3,632	3,869
Value	15,513	18,508	17,899	18,335	19,325
Direct current—					
Number	5,691	10,308	15,972	16,559	9,587
Kilowatts (thousands)	185	[1]	[1]	[1]	101
Value	2,923	4,235	5,317	4,503	2,500
Automotive generators for battery charging	27,443	54,007	56,221	58,128	28,210
Automotive starter motors					32,849
Self-contained power and lighting outfits	4,043	7,685	11,143	8,239	6,840
Transformers, induction-voltage regulators, and current-limiting reactors	42,103	59,115	62,153	66,804	77,825
Motor-generator sets and dynamotors	6,311	7,305	8,264	6,764	13,307
Control apparatus, railway, vehicle, motor, and other	19,551	33,177	31,303	34,181	44,289
Electric locomotives (mining, industrial, and railway)	9,397	8,865	10,331	9,858	17,706
Stationary motors (not fan), total	58,078	84,778	92,648	97,673	136,035
Fractional horsepower	16,907	23,939	28,249	33,903	51,252
One horsepower and over—					
Direct current	9,358	13,865	15,797	15,628	22,619
Alternating current	31,814	46,973	48,602	48,142	60,711
Not reported as direct or alternating					1,453
Electric fans	7,251	9,583	10,654	10,352	10,196
Motor parts and supplies	9,394	13,825	12,947	14,147	15,977
Storage batteries, parts and supplies	48,558	92,843	110,212	97,808	109,601
Primary batteries	14,609	21,446	40,982	40,283	40,384
Primary battery parts and supplies	3,716	3,776	4,054	6,298	
Carbons: Electrodes for lighting and furnaces, brushes, and specialties	5,528	14,746	13,955	14,364	17,049
Incandescent lamps	59,728	71,966	73,558	87,933	85,320
Telegraph apparatus	244	2,086	2,922	5,561	106,293
Telephone apparatus	101,992	92,398	81,510	115,452	
Fire-alarm apparatus	2,404	2,040	3,490	3,611	4,030
Radio apparatus, including tubes	10,648	29,679	147,538	149,658	411,637
Household apparatus and appliances:					
Vacuum cleaners, portable	19,753	35,982	39,971	36,222	35,108
Flatirons	4,731	8,199	7,998	7,917	8,018
Cooking utensils	3,104	5,486	7,921	11,668	13,341
Ranges, disk stoves, and hot plates	[2] 1,795	3,677	7,901	12,119	16,933
Airheaters, radiant and convertor type	1,151	1,862	2,028	1,439	1,833
Electric-measuring instruments	21,033	28,221	31,650	34,133	38,523
Switchboards, panel boards, cabinets, circuit breakers, and switches	36,299	57,856	69,759	71,924	81,201
Magneto-generators	4,065	10,304	9,930	9,016	14,461
Spark plugs	10,013	13,660	13,878	13,372	20,244
Coils	6,511	7,868	7,837	8,467	9,724
Insulated wires and cables	98,333	184,472	210,617	210,048	312,592
Searchlights, flood lights, headlights; motion-picture, photo-engraving, and stage projectors	1,943	2,479	2,801	4,561	4,201
Railway signals and attachments	1,620	4,466	14,030	22,340	22,572
Fuses, cut-outs and fuse plugs	4,483	9,245	10,393	10,891	14,036
Wiring devices	21,806	34,966	34,806	32,703	38,395
Lightning arresters and choke coils	2,044	3,334	5,961	6,327	6,515
Electric-railway line materials	2,691	8,796	4,240	5,446	3,261
Conduits, interior	[3] 19,346	[3] 37,500	45,785	41,717	56,270
Electric-signaling apparatus (other than railway)	6,444	7,142	5,081	6,365	8,218
All other	92,920	180,022	219,330	265,478	386,388

[1] No comparable data.
[2] Reported as "ranges" in 1921.
[3] Not strictly comparable with later years; includes underground conduits.

Source: Bureau of the Census, Department of Commerce.

No. 831.—FARM EQUIPMENT: PRODUCTION

NOTE.—For all wagons, see Table 833; for all tractors, see Table 827

Class	Number				Value (thousands of dollars)			
	1927	1928	1929	1930	1927	1928	1929	1930
All products, total value					460,881	524,255	607,069	506,214
Plows and listers					29,477	32,159	42,365	37,330
Moldboard plows	525,446	552,107	656,359	501,743	14,812	15,512	20,346	15,754
Disk plows	21,425	25,952	46,504	38,106	2,396	3,119	7,145	6,263
Listers	35,690	38,645	[1] 48,576	60,157	1,538	1,640	[1] 2,085	2,398
Other plows	13,988	16,268	18,622	6,726	1,686	2,396	1,136	380
Attachments and parts, incl. plow stocks and steel plow shapes					9,045	9,486	11,653	12,526
Harrows, rollers, pulverizers, and stalk cutters					13,868	14,687	16,813	13,815
Disk harrows	122,680	134,127	138,849	113,764	7,051	7,491	8,712	7,377
Spike-tooth harrow sections	242,459	283,612	339,192	275,677	1,725	1,963	2,307	1,963
Spring-tooth harrow sections	117,434	133,029	120,306	104,159	1,242	1,509	1,445	1,175
Stalk cutters	10,400	10,456	11,696	11,487	377	396	439	415
Other, incl. attachments and parts					3,473	3,328	3,910	2,880
Planting and fertilizing machinery					24,560	26,505	31,145	26,087
Corn planters, one and two row	55,927	59,569	74,778	64,595	2,601	2,775	3,425	3,214
Combined corn and cotton planters	44,529	45,715	93,959	95,438	1,098	1,048	2,555	2,672
Combined listers and drills	9,231	5,289	7,004	15,323	674	430	604	951
Grain drills	58,629	73,434	70,403	46,790	6,638	8,736	10,035	6,480
Broadcast seeders	78,512	72,275	[2] 14,081	72,654	679	618	[2] 350	546
Manure spreaders	67,722	62,559	61,000	47,722	8,298	7,364	7,190	5,526
Other, incl. attachments and parts					4,572	5,534	6,976	6,700
Cultivators and weeders					14,296	15,884	22,857	20,607
1-horse	132,244	159,173	202,756	156,134	698	834	979	755
1-row	121,237	129,379	166,948	139,808	4,495	4,730	5,900	4,918
2-row	41,307	37,567	54,505	44,659	3,504	3,191	4,487	3,684
Hand cultivators (wheeled hoes)	147,065	133,214	153,434	171,213	447	413	459	500
Other cultivators and weeders	58,189	93,108	120,476	151,846	2,917	4,013	6,249	6,849
Attachments and parts					2,325	2,683	4,777	3,900
Harvesting machinery					57,319	67,291	87,719	62,145
Grain binders	71,091	67,099	65,069	[3] 46,166	10,831	10,610	10,661	[3] 7,787
Combines (harvester—thresher)	18,307	25,392	36,957	24,409	26,885	35,693	50,684	32,739
Corn binders	21,423	21,174	15,246	13,566	2,933	2,943	2,148	1,922
Potato diggers	15,780	19,930	12,767	10,055	1,003	1,290	739	723
Other harvesting machinery	24,604	27,213	32,434	25,112	3,738	5,456	5,398	6,651
Attachments and parts					11,934	11,299	18,039	12,323
Haying machinery					15,387	16,058	18,711	17,186
Mowers	110,644	121,935	126,300	117,601	6,007	6,503	7,050	6,466
Rakes	86,489	87,644	98,370	82,892	3,690	3,647	4,121	3,397
Loaders	25,102	24,895	24,920	28,222	2,018	2,084	1,991	2,277
Other haying machinery	7,041	9,028	11,113	16,730	363	479	612	1,296
Attachments and parts					3,409	3,395	4,937	3,750
Machines for preparing crops for market or use					32,329	33,466	30,103	20,780
Threshers	19,595	19,261	14,571	8,788	15,044	16,801	12,774	7,114
Ensilage and fodder cutters	15,280	14,740	11,530	9,811	2,088	2,099	1,768	1,454
Corn shellers	47,396	48,315	40,378	32,517	1,108	1,493	1,573	897
Corn huskers and shredders	2,448	1,423	972	599	1,150	711	460	266
Hay presses	3,325	3,674	3,460	3,008	1,072	1,082	1,106	1,065
Feed grinders and crushers	104,755	101,335	101,502	69,564	2,049	2,540	3,215	2,896
Other machines	72,991	103,336	108,638	70,027	2,513	1,705	2,483	1,832
Attachments and parts					7,245	6,975	6,724	5,236
Tractors	200,504	175,934	228,976	202,458	159,531	191,978	227,633	205,657
Wheeled types	184,594	152,266	195,980	176,075	101,949	113,876	141,553	123,291
Track laying type, all sizes	10,319	19,203	27,101	20,222	27,720	48,211	53,602	48,242
Garden tractors	5,591	4,465	5,895	6,161	814	822	908	1,102
Attachments and parts					29,348	29,070	31,470	33,022
Horse-drawn vehicles	119,380	136,326	114,267	69,033	8,384	9,974	8,813	4,948
Farm wagons	59,810	57,081	40,687	24,243	4,427	4,946	3,790	2,073
Farm trucks	48,278	62,889	60,969	39,746	1,926	2,521	2,518	1,585
Buggies	7,019	4,269	2,589	1,462	612	403	222	138
All other (incl. 2-wheeled carts)	13,223	12,587	10,022	3,582	360	260	251	117
Attachments and parts					1,559	1,844	2,032	1,035
Miscellaneous equipment					105,230	118,273	120,910	[4] 97,178
Stalls, stanchions, and stock pens					2,743	2,877	3,125	2,582
Stock tanks and waterers	305,065	353,583	361,026	317,707	1,895	2,022	2,087	1,988
Cream separators (hand)	[4] 191,996	[4] 208,357	[4] 172,187	105,553	[4] 8,098	[4] 9,673	[4] 7,695	4,709
Internal-combustion engines	131,610	149,333	146,690	92,948	8,619	9,016	9,134	5,337
Windmills and windmill towers	120,597	142,923	132,166	94,061	4,555	5,573	5,411	3,554
Other, incl. attachments and parts					79,320	87,112	93,458	79,008

[1] Excludes 2-bottom tractor-drawn listers; included with "Other plows" to avoid disclosing operations of individual establishments.
[2] Excludes wheelbarrow and other hand broadcast seeders; included with "Other."
[3] Includes rice binders.
[4] Includes power cream separators.

Source: Bureau of the Census, Department of Commerce.

No. 832.—MUSICAL INSTRUMENTS AND PHONOGRAPHS: PRODUCTION

Industry and product	Number			Value (thousands of dollars)		
	1925	1927	1929	1925	1927	1929
MUSICAL INSTRUMENTS AND MATERIALS						
Musical instruments, parts, and materials, all industries, total value [1]				164,932	127,351	77,843
Made in the musical instruments industries				164,819	125,901	74,096
Made as secondary products in other industries				113	1,450	3,747
Pianos:						
Upright	87,285	69,864	49,536	16,874	12,262	7,982
Upright, player	143,831	76,447	18,089	38,167	20,028	4,353
Upright, player, reproducing type	5,476	4,096	1,510	2,193	1,420	486
Grand—						
Baby	40,357	43,772	37,953	16,244	17,541	13,367
Baby, player	12,884	7,713	6,378	8,359	5,856	2,952
Parlor	9,170	8,757	7,770	5,433	5,320	4,189
Parlor, player	2,099	1,224	2,207	3,631	1,726	2,165
Concert	579	293	234	453	290	155
Automatic and electric	4,303	5,974	[2] 9,727	2,323	2,768	[2] 3,389
Organs:						
Pipe	1,955	2,471	1,799	12,808	16,782	11,153
Reed	4,360	3,091	2,703	442	385	375
Wind instruments:						
Brass			104,790	8,846	6,550	4,546
Wood			23,906	632	1,845	999
Stringed instruments				5,859	4,201	3,067
Percussion and other instruments (chimes, bells, xylophones, drums, traps, etc.)				2,886	2,715	2,913
Piano and organ parts and materials for sale as such:						
Pneumatic player actions for installation in player pianos and cabinet player attachments				14,782	6,608	2,779
Other piano parts and materials				15,223	13,847	6,517
Organ parts and materials				[3] 1,842	[3] 1,810	1,095
Perforated music rolls				6,068	3,217	2,556
Parts and materials for musical instruments other than pianos and organs				1,867	2,180	2,831
PHONOGRAPHS						
Phonographs, including dictating machines, combination phonographs and radios, and parts and accessories, all industries, total value [4]				59,329	94,224	86,597
Made in the phonograph industry				55,726	91,135	77,709
Made as secondary products in other industries				3,603	3,089	8,888
	Thousands	*Thousands*	*Thousands*			
Phonographs, all types	642	1,046	755	22,614	49,242	43,026
Records and blanks	82,125	105,701	105,085	26,791	31,781	34,129
Needles, parts, and accessories				6,321	10,112	9,442
Phonographs and parts, undistributed				3,603	3,089	

[1] Excludes subsidiary products manufactured by the musical instruments industries, but normally belonging to other industries, and receipts for custom work and repairing, which amounted to $5,810,067 in 1925, $5,165,181 in 1927, and $6,898,606 in 1929.

[2] Includes data for a few pianos not reported as to kind.

[3] Includes the value of a small number of orchestrions.

[4] Excludes subsidiary products manufactured by the phonograph industry but normally belonging to other industries, and receipts for custom work and repairing, which amounted to $5,331,463 in 1925, $4,161,497 in 1927, and $19,140,008 in 1929.

Source: Bureau of the Census, Department of Commerce.

No. 833.—VEHICLES AND AIRCRAFT: PRODUCTION

Industry and product	Number			Value (thousands of dollars)		
	1925	1927	1929	1925	1927	1929
MOTOR VEHICLES						
Motor-vehicle industry, total value of products				3,198,123	2,848,443	3,723,330
Motor vehicles made in motor-vehicle industry	4,176,519	[1] 3,354,805	[1] 5,314,555	2,951,921	[1] 2,546,807	[1] 3,421,060
Other products of motor-vehicle industry				246,202	301,636	302,270
Motor vehicles made in other industries	1,728	967	1,938	730	1,119	1,812
Total motor vehicles, incl. chassis and trailers	4,178,247	3,355,772	5,316,493	2,952,651	2,547,926	3,422,872
Passenger vehicles	3,531,240	2,828,274	4,388,315	2,527,575	2,175,545	2,825,701
Touring, open	1,095,186	211,278	146,444	516,206	113,305	78,293
Roadsters, runabouts, and sport (speedsters), open	390,062	197,880	208,401	180,845	116,100	151,109
Closed	2,080,697	2,407,160	3,916,783	1,786,834	1,917,344	2,537,350
Public conveyances (cabs, etc.)	15,295	8,968	26,100	43,690	27,982	58,361
All other		988	587		814	588
Government and municipal vehicles	1,233	1,599	1,960	10,488	11,521	10,156
Business vehicles	341,811	339,873	391,593	287,243	258,404	277,362
Delivery cars	35,976	60,981	124,414	24,080	33,883	64,229
Trucks	303,324	266,492	261,523	257,804	220,050	205,772
All other	2,011	2,200	5,656	5,359	4,471	7,361
Chassis	240,790	178,487	512,219	121,516	95,244	293,847
Passenger	87,780	56,074	76,401	39,019	27,156	32,398
Business	153,010	122,413	435,818	81,597	68,088	266,449
Trailers	12,823	19,739	22,406	4,937	7,212	10,816
Tractors [2]	350			892		
MOTOR CYCLES, BICYCLES, AND PARTS						
All products				25,319	22,013	25,762
Motor cycles	39,350	35,197	31,912	8,876	8,001	7,543
Bicycles	303,446	255,456	307,845	7,031	5,803	5,184
Parts, repairs, and all other products				9,412	8,209	12,035
CARS, STEAM AND ELECTRIC RAILROAD [3]						
All products				390,771	312,509	328,220
Steam:						
Passenger (day coaches only)	532	967	342	11,991	22,621	6,817
Sleeping, baggage, express, etc., in passenger service	1,589	998	1,086	42,949	29,759	33,596
Box	49,230	19,645	34,168	101,024	45,319	80,989
Flat	2,306	1,656	2,345	3,225	2,838	5,150
Gondolas	21,402	10,479	12,644	42,002	20,023	29,401
Hopper	3,243	8,734	10,132	5,870	19,917	24,682
Refrigerator	4,704	9,004	5,165	14,741	25,633	20,031
Stock	3,310	1,016	2,469	5,877	1,882	4,744
Tank	5,396	5,455	3,290	10,702	10,449	6,140
Other varieties	4,420	2,520	2,938	8,800	6,946	7,954
Electric:						
Passenger	1,753	1,194	436	19,030	19,320	5,412
Other varieties	81	96	37	419	438	527
All other products, including repairs				124,141	107,364	102,777
CARRIAGES AND WAGONS						
All products				29,583	22,648	20,040
Wagons	211,418	125,704	113,458	16,400	8,475	7,285
Carriages and buggies	20,646	7,019	[4] 3,597	1,884	612	[4] 347
Other conveyances	4,054	6,611	4,434	2,147	3,011	2,755
All other products, parts, repairs, etc.				9,152	10,550	9,653
AIRCRAFT						
All products				12,775	21,614	73,019
Airplanes	711	1,888	6,482	5,908	12,225	46,848
Seaplanes	78	107	109	765	2,280	4,660
Under construction at close of year	259			1,429		
Parts and engines for sale as such				3,796	5,037	10,370
All other products, including repairs				878	2,072	10,141

[1] Exclusive of tractors which were included with "Other products of motor-vehicle industry."
[2] Figures refer only to tractors manufactured by establishments engaged primarily in the manufacture of motor vehicles; included in "Other products of motor-vehicle industry" for 1927 and 1929. For total production of tractors, see Table 827.
[3] Not including cars built or repair work done by railroad companies.
[4] Includes sulkies.

Source: Bureau of the Census, Department of Commerce.

No. 834.—COTTON SPINDLES, COTTON CONSUMPTION, AND STOCKS

NOTE.—The statistics for 1915 to 1930 relate to the 12 months ended July 31 and those for prior years to the 12 months ended Aug. 31. South refers to cotton growing States. 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 for any time, however short, during the year, and is therefore an unsatisfactory measure of activity of the industry

Year	Cotton spindles (thousands)					Spindles using cotton with other fibers (thousands)	Cotton consumed, excluding linters[1] (thousands of bales)			
	Total in place	Active					Total	The South	New England	Other States
		Total	The South	New England	Other States					
1840	(2)	2,285	181	1,597	506	(2)	237	71	159	7
1850	(2)	3,998	265	2,059	775	(2)	576	78	431	67
1860	(2)	5,236	324	3,859	1,053	(2)	845	94	567	184
1870	(2)	7,132	328	5,498	1,306	(2)	797	69	551	177
1880	(2)	[3] 10,653	[3] 561	[3] 8,632	[3] 1,460	(2)	[3] 1,570	[3] 189	[3] 1,129	[3] 252
1890	(2)	14,384	1,570	10,934	1,880	(2)	2,518	539	1,502	477
1900	(2)	19,472	4,368	13,171	1,933	(2)	3,873	1,523	1,909	440
1905	(2)	23,687	7,631	14,203	1,853	(2)	[4] 4,279	[4] 2,140	[4] 1,753	[4] 386
1910	28,029	28,267	10,494	15,735	2,038	(2)	4,622	2,234	1,995	393
1912	31,583	30,579	11,583	17,140	1,856	500	5,129	2,636	2,076	417
1913	32,160	31,520	12,227	17,311	1,981	455	5,483	2,802	2,178	443
1914	32,744	32,108	12,711	17,408	1,988	414	5,577	2,925	2,219	433
1915	32,841	31,964	12,956	17,101	1,908	395	5,507	3,027	2,149	421
1916	33,333	32,806	13,382	17,474	1,950	405	6,398	3,528	2,389	481
1917	34,221	33,889	14,156	17,761	1,972	453	6,789	3,888	2,415	486
1918	34,941	34,543	14,529	17,985	2,029	447	6,566	3,607	2,402	467
1919	35,443	34,931	14,846	18,066	2,019	429	5,766	3,199	2,165	402
1920	35,834	35,481	15,231	18,287	1,963	402	6,420	3,583	2,397	440
1921	36,618	36,047	15,709	18,388	1,951	336	4,893	2,997	1,614	282
1922	36,946	35,708	15,906	17,939	1,863	314	5,910	3,730	1,823	357
1923	37,409	36,260	16,310	18,054	1,896	289	6,666	4,248	2,049	369
1924	37,804	35,849	16,944	17,066	1,839	258	5,681	3,858	1,535	288
1925	37,929	35,032	17,292	15,975	1,765	251	6,193	4,220	1,639	334
1926	37,586	34,750	17,574	15,526	1,650	243	6,456	4,500	1,628	328
1927	36,696	34,410	17,394	14,995	1,521	235	7,190	5,194	1,675	321
1928	35,540	33,570	18,282	13,815	1,473	232	6,834	5,114	1,438	282
1929	34,820	32,417	18,541	12,537	1,339	207	7,091	5,392	1,448	251
1930	34,025	31,245	18,586	11,351	1,308	177	6,106	4,749	1,143	214

Yearly average or year	Consumption (thousands of bales)						Stocks in consuming establishments at end of year (thousands of bales)			
	Total, excluding linters	Domestic			Foreign	Linters	Total, excluding linters	Domestic	Foreign	Linters
		Total	Upland	Sea Island						
1906–1910	[5] 4,829	[5] 4,680	[6] 4,595	[6] 62	149	[7] 163	[5] 731	[5] 673	58	[7] 39
1911–1915	5,257	5,051	4,976	75	206	293	822	738	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	1,003	911	92	139
1926–1930	6,735	6,434	6,433	1	301	815	1,150	1,050	100	186
1914	5,577	5,383	5,301	82	194	307	676	612	64	76
1915	5,597	5,375	5,296	79	222	412	1,401	1,292	109	199
1916	6,398	6,080	5,998	83	317	881	1,632	1,490	143	100
1917	6,789	6,470	6,376	94	318	870	1,502	1,408	94	113
1918	6,566	6,382	6,297	86	184	1,119	1,465	1,403	63	138
1919	5,766	5,590	5,539	51	176	458	1,303	1,253	51	267
1920	6,420	6,003	5,960	43	417	342	1,358	1,208	150	277
1921	4,893	4,677	4,658	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	6,834	6,535	6,534	1	299	780	1,012	935	77	159
1929	7,091	6,778	6,777	1	313	879	1,052	932	120	187
1930	6,106	5,804	5,803	1	302	805	1,183	1,048	135	239

[1] Includes linters for 1840 to 1905.
[2] Figures not available.
[3] Cotton mills only.
[4] Does not include foreign cotton.
[5] Includes linters for 1906 to 1908.
[6] Average, 1907 to 1910.
[7] Average, 1909 and 1910.

Source: Bureau of the Census, Department of Commerce.

No. 835.—COTTON SPINDLE ACTIVITY: BY MONTHS

NOTE.—Per cent of capacity represents ratio between (1) the actual number of spindle hours, including overtime, double shifts, and part time, and (2) the total number of spindles in place multiplied by the number of hours per month in a single shift at normal full working time. Consumption includes both domestic and foreign cotton

Month	Spindle hours (millions)					Spindle hours—per cent of capacity				
	1926	1927	1928	1929	1930	1926	1927	1928	1929	1930
Total	97,029	104,450	92,729	99,900	76,703	95.4	104.7	95.3	104.6	82.1
January	8,356	8,554	8,263	9,227	8,176	98.6	102.0	101.0	111.0	100.2
February	8,121	8,239	7,970	8,223	7,087	103.2	106.5	101.3	110.7	97.4
March	9,169	9,638	8,310	8,911	7,344	102.2	109.8	96.8	109.4	92.6
April	8,345	8,788	7,415	8,361	7,497	98.2	105.6	94.8	110.3	95.1
May	7,503	8,933	7,066	9,164	6,725	88.9	108.9	95.1	110.9	83.4
June	7,606	9,191	7,252	8,160	5,789	83.4	109.3	88.4	104.8	76.2
July	6,750	8,033	6,251	7,757	5,301	78.7	99.1	79.7	100.3	67.2
August	7,487	8,971	7,424	8,129	5,134	87.4	102.9	87.1	97.3	65.2
September	8,257	8,776	6,963	7,873	5,663	98.5	106.6	90.1	103.5	73.4
October	8,367	8,727	8,698	9,006	6,239	95.9	105.0	103.5	108.8	77.1
November	8,483	8,990	8,518	7,821	5,832	101.3	106.7	107.4	100.7	80.1
December	8,585	7,859	7,698	6,768	5,016	100.7	93.9	98.3	88.0	76.1

Source: Bureau of the Census, Department of Commerce.

No. 836.—COTTON SPINDLE ACTIVITY AND CONSUMPTION, BY STATES

NOTE.—All data except as specified are for years ended July 31. See headnote, Table 835

Section and State	Cotton spindles in place (thousands)			Spindle hours (millions)			Cotton consumed, excluding linters (thousands of bales)				
	Aug. 31, 1911	July 31, 1929	July 31, 1930	1927–28	1928–29	1929–30	1911–1915 average	1926–1930 average	1927–28	1928–29	1929–30
United States	30,804	34,820	34,025	96,451	99,604	87,515	5,257	6,735	6,834	7,091	6,108
The South	11,657	18,848	19,122	65,273	68,360	61,878	2,740	4,990	5,114	5,392	4,749
New England	17,045	14,549	13,479	27,862	28,253	23,038	2,101	1,466	1,488	1,448	1,143
Other States	2,102	1,423	1,424	3,316	2,991	2,599	416	279	282	251	214
Alabama	998	1,805	1,802	5,213	6,036	5,833	275	503	552	617	584
Connecticut	1,270	1,105	1,090	2,567	2,736	2,219	127	101	106	111	90
Georgia	1,081	3,125	3,240	10,735	11,319	10,095	589	1,139	1,168	1,270	1,000
Maine	1,067	1,059	1,036	1,991	1,964	1,899	170	126	122	122	114
Massachusetts	10,613	8,587	7,828	15,785	15,698	13,212	1,269	823	790	779	628
New Hampshire	1,463	1,391	1,302	2,591	2,501	2,205	292	208	207	206	169
New Jersey	483	381	371	730	643	620	56	36	35	32	31
New York	964	688	606	1,704	1,560	1,257	199	139	140	128	101
North Carolina	3,354	6,223	6,229	22,045	22,143	19,208	840	1,534	1,584	1,631	1,421
Pennsylvania	280	98	98	221	185	177	48	23	24	18	17
Rhode Island	2,527	2,290	2,105	4,633	5,049	3,188	232	199	204	219	133
South Carolina	4,187	5,586	5,676	21,102	22,559	20,610	743	1,196	1,220	1,302	1,124
Tennessee	253	617	613	2,124	2,350	2,307	74	157	155	176	169
Virginia	373	709	688	1,660	1,585	1,826	85	120	120	106	120
All other States	1,021	1,156	1,191	3,350	3,276	2,799	268	371	395	374	315

Source: Bureau of the Census, Department of Commerce.

No. 837.—EXPLOSIVES: AMOUNTS (EXCLUDING EXPORTS) MANUFACTURED AND SOLD, CALENDAR YEARS

NOTE.—Black blasting powder in thousands of kegs 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	1922	1923	1924	1925	1926	1927	1928	1929	1930
Black blasting powder	7,155	8,078	6,683	6,279	6,307	5,268	4,870	4,802	3,995
Railway and other construction work	310	370	341	382	301	249	317	275	289
Coal mining	6,100	7,020	5,625	5,297	5,444	4,503	4,036	4,082	3,427
Metal mining [1]				138	114	86	84	91	56
Quarrying and nonmetallic mineral mining [1]				240	236	231	202	183	153
Other mining	168	175	144						
All other purposes	487	513	572	221	212	199	231	170	70
High explosives other than "permissible"	209,476	267,405	273,323	236,435	310,518	303,468	292,785	326,993	291,391
Railway and other construction work	22,434	31,930	40,647	39,916	44,982	48,253	50,767	60,060	78,362
Coal mining	25,498	37,829	36,608	26,947	35,229	34,173	30,077	31,752	28,148
Metal mining [1]				102,623	110,374	102,122	96,088	108,939	91,161
Quarrying and nonmetallic mineral mining [1]				71,501	76,186	78,506	74,820	79,505	68,334
Other mining	78,074	105,004	103,836						
All other purposes	83,470	92,642	92,231	45,448	43,747	40,413	41,032	46,738	25,386
"Permissible" explosives	43,430	60,371	55,134	58,353	67,685	63,847	60,708	62,669	53,926
Railway and other construction work	154	324	265	263	242	216	158	154	214
Coal mining	40,198	56,807	52,147	52,256	65,143	60,942	57,261	60,244	52,378
Metal mining [1]				3,533	216	191	231	165	183
Quarrying and nonmetallic mineral mining [1]				838	581	536	1,243	370	502
Other mining	1,453	783	515						
All other purposes	1,625	2,457	2,207	1,463	1,503	1,962	1,814	1,735	549

[1] Prior to 1925 included with "Other mining" and "All other purposes."

No. 838.—EXPLOSIVES: AMOUNTS (EXCLUDING EXPORTS) MANUFACTURED IN THE UNITED STATES AND SOLD IN EACH STATE, CALENDAR YEAR, 1930

NOTE.—See headnote to Table 837

State of sale	Black blasting powder	High explosives other than "permissible"	"Permissible" explosives	State of sale	Black blasting powder	High explosives other than "permissible"	"Permissible" explosives
	Kegs [1]	*Pounds*	*Pounds*		*Kegs* [1]	*Pounds*	*Pounds*
Total	3,994,937	291,390,927	53,826,146	Montana	90,419	6,001,085	20,550
				Nebraska	1,723	635,546	
Alabama	58,851	6,367,825	2,963,100	Nevada	16,280	3,510,405	
Alaska	2,094	2,558,400	83,800	New Hampshire	601	383,325	
Arizona	10,440	9,475,885		New Jersey	286	3,058,010	
Arkansas	52,149	2,839,254	105,440	New Mexico	12,596	2,886,000	258,750
California	106,515	17,041,790	27,700	New York	4,858	17,876,386	43,700
Colorado	62,109	4,280,407	500,400	North Carolina	4,160	1,993,658	4,050
Connecticut	309	1,193,400		North Dakota	31,415	147,764	59,175
Delaware	113	215,300		Ohio	246,874	8,786,288	212,376
Florida	8,080	2,055,425	50	Oklahoma	58,804	7,281,005	245,900
Georgia	12,346	1,244,275	100	Oregon	26,411	7,267,420	
Idaho	6,781	7,655,165		Pennsylvania	849,220	40,700,918	29,171,856
Illinois	575,246	5,878,440	3,496,675	Rhode Island	159	158,550	
Indiana	276,169	3,744,985	703,750	South Carolina	3,551	906,218	
Iowa	169,593	3,774,050	500	South Dakota	1,882	1,606,860	2,550
Kansas	127,056	5,316,401	255,820	Tennessee	90,824	4,983,825	170,000
Kentucky	329,007	5,360,235	2,357,900	Texas	47,412	9,467,523	72,500
Louisiana	117	3,603,768	25,600	Utah	12,400	7,811,225	957,650
Maine	993	1,039,775		Vermont	4,847	410,225	
Maryland [2]	20,039	1,259,175	225,800	Virginia	64,346	5,123,700	812,309
Massachusetts	1,006	1,554,050		Washington	53,473	11,344,101	675,050
Michigan	6,201	20,478,035	33,950	West Virginia	377,695	7,353,440	9,205,575
Minnesota	19,175	15,415,675		Wisconsin	4,622	5,378,675	
Mississippi	983	1,830,184		Wyoming	30,303	606,780	957,550
Missouri	115,404	11,520,536	102,029				

[1] Kegs of 25 pounds each. [2] Includes District of Columbia.

Source of Tables 837 and 838: Bureau of Mines, Department of Commerce.

No. 839.—FERMENTED LIQUORS AND DISTILLED SPIRITS PRODUCED

Year ended June 30—	Distilled spirits			Fermented liquors	Year ended June 30—	Distilled spirits			Fermented liquors
	Exclusive of fruit brandy	Fruit brandy	Total			Exclusive of fruit brandy	Fruit brandy	Total	
	1,000 tax gallons.[1]	*1,000 tax gallons.*[1]	*1,000 tax gallons.*[1]	*1,000 barrels*[2]		*1,000 tax gallons.*[1]	*1,000 tax gallons.*[1]	*1,000 tax gallons.*[1]	*1,000 barrels*[2]
1905	147,811	5,449	163,259	[3] 49,522	1923	123,203	1,417	124,620	[4] 5,269
1910	156,238	7,656	163,894	[3] 59,486	1924	136,682	847	137,530	[4] 4,891
1915	132,134	8,522	140,656	[3] 59,808	1925	166,951	548	167,498	[4] 5,119
1918	173,476	5,357	178,834	[3] 50,206	1926	203,166	644	203,810	[4] 4,856
1919	98,976	1,802	100,779	[3] 27,713	1927	185,133	338	185,472	[4] 4,382
1920	99,616	1,649	101,265	[3] 9,231	1928	170,103	412	170,515	[4] 4,162
1921	86,366	1,531	87,896	49,220	1929	202,059	1,194	203,254	[4] 3,866
1922	81,085	1,077	82,163	[4] 6,348	1930	194,841	416	195,257	[4] 3,681

[1] In computing taxable gallons all fractional parts of a gallon less than one-tenth are excluded.
[2] Of not more than 31 gallons.
[3] Includes fermented liquors removed from breweries for export free of tax.
[4] This item represents cereal beverages containing less than one-half of 1 per cent alcohol by volume.

No. 840.—DENATURED ALCOHOL

Year ended June 30—	Alcohol produced at industrial alcohol plants[1]	Denaturing plants	Ethyl alcohol withdrawn for denaturation	Denatured alcohol produced		
				Completely denatured	Specially denatured	Total
	Proof gallons		*Proof gallons*	*Wine gallons*	*Wine gallons*	*Wine gallons*
1910		12	10,605,871	3,076,925	3,002,103	6,079,027
1915		28	25,411,719	5,386,647	8,599,822	13,986,469
1918		49	90,644,723	10,328,455	39,834,561	50,163,016
1919		45	60,399,309	9,976,721	28,294,219	38,270,940
1920	18,933,551	52	45,640,949	13,528,403	15,307,947	28,836,350
1921	85,068,776	67	38,812,139	12,392,505	9,990,230	22,388,825
1922	79,906,102	77	59,549,920	16,193,524	17,152,224	33,345,748
1923	122,402,850	76	105,819,405	27,128,280	30,436,943	57,565,143
1924	136,897,725	88	121,576,196	34,602,004	33,085,292	67,687,296
1925	166,195,518	91	148,970,221	46,988,970	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	56,003,748	39,354,928	95,448,677
1928	169,149,905	82	159,689,378	46,966,601	45,451,424	92,418,026
1929	200,832,051	77	182,778,900	52,405,451	54,555,006	106,960,458
1930	191,859,343	67	181,601,420	58,141,741	47,645,797	105,787,538

[1] Separate accounts for alcohol produced at industrial alcohol plants required commencing May 1, 1920.

No. 841.—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 843

Calendar year or yearly average	Total	Cigars	Cigarettes	Tobacco and snuff	Calendar year	Total	Cigars	Cigarettes	Tobacco and snuff
1896–1900	350,053	87,851	16,235	254,967	1921	612,251	143,228	158,336	310,687
1901–1905	451,461	124,411	12,444	314,605	1922	646,816	151,709	169,597	325,510
1906–1910	524,193	139,206	22,079	362,908	1923	689,036	159,753	200,395	328,889
1911–1915	578,283	151,890	52,207	374,186	1924	693,358	153,413	217,700	322,745
1916–1920	650,460	155,312	130,320	364,828	1925	718,426	149,001	244,315	325,109
1921–1925	672,077	151,421	198,069	322,588	1926	737,354	152,372	267,584	317,399
1926–1930	759,485	149,162	310,690	299,633	1927	744,288	152,510	290,464	301,314
1917	650,581	157,732	113,279	388,570	1928	754,625	151,290	310,159	293,176
1918	692,014	149,837	146,056	396,121	1929	796,026	152,129	346,543	297,953
1919	648,384	151,504	166,783	330,097	1930[1]	764,534	137,510	338,701	288,322
1920	630,982	168,597	140,907	324,478					

[1] Estimates of the Bureau of Foreign and Domestic Commerce.

Source of Tables 839 to 841: Reports of the Commissioner of Internal Revenue, Treasury Department.

No. 842.—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 in 1930 to 21,367,065 cigars, 1,456,965,780 cigarettes, and 181,189 pounds of smoking and chewing tobacco. Large cigars and cigarettes 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 cut	Smoking	Snuff	Large	Small	Large	Small
1901–1905	346,841	[1] 175,981	(1)	11,903	138,402	20,556	6,513,095	716,720	7,143	3,227,602
1906–1910	413,054	167,460	13,524	12,525	192,700	26,845	6,883,272	1,059,501	16,113	6,192,571
1911–1915	437,346	158,529	15,017	10,795	222,265	31,140	7,087,530	1,053,654	15,695	14,802,416
1916–1920	456,584	159,869	14,346	9,758	237,808	34,805	7,364,937	810,327	26,026	41,565,670
1921–1925	409,457	115,445	10,105	6,972	239,151	37,785	6,691,913	557,330	16,704	65,903,991
1926–1930	388,666	----------	----------	----------	254,771	40,028	6,359,699	413,938	10,506	108,525,909
1921	386,951	113,384	9,261	6,893	222,723	34,690	6,726,005	670,483	14,518	52,085,012
1922	429,506	120,174	10,948	6,892	243,355	38,136	6,722,354	632,907	17,450	55,763,023
1923	412,777	120,708	10,665	7,141	234,944	39,228	6,950,247	505,305	18,066	66,715,830
1924	414,178	111,477	9,002	6,781	246,990	39,029	6,507,677	530,714	16,054	72,808,989
1925	413,873	111,391	9,750	7,151	247,740	37,841	6,403,193	447,089	7,429	82,247,100
1926	410,596	109,766	9,179	6,985	246,439	38,227	6,498,641	412,315	13,240	92,096,974
1927	396,324	103,918	7,988	6,280	237,934	40,197	6,519,005	439,419	11,432	99,809,032
1928	386,333	100,646	8,892	5,186	231,134	40,475	6,373,182	415,535	10,403	108,705,506
1929	381,200	96,744	8,188	5,556	229,585	41,127	6,518,533	419,880	19,952	122,392,381
1930 [2]	368,878	----------	----------	----------	[3] 328,705	40,113	5,889,132	382,540	7,503	119,524,910

State	Number [4] of factories Jan. 1, 1930, making—			Production in 1929 (calendar year)				
	Tobacco and snuff	Cigars	Cigarettes	Tobacco and snuff (1,000 pounds)	Cigars (thousands)		Cigarettes (thousands)	
					Large	Small	Large	Small
Total	874	6,780	110	381,200	6,518,533	419,880	9,952	122,392,381
California	27	229	8	143	80,263	105	121	4,800,734
Connecticut	9	144	----------	57	34,545	----------	----------	----------
Florida	2	270	1	5	617,572	----------	----------	3,714
Illinois	119	745	5	35,259	69,375	----------	365	3,448
Indiana	40	175	----------	314	194,739	----------	----------	----------
Kentucky	35	56	3	17,052	66,508	----------	----------	3,706,015
Louisiana	1	46	1	89	70,969	----------	----------	2,798
Massachusetts	28	346	7	396	98,560	----------	27	4,444
Michigan	28	195	2	13,325	280,233	----------	3	2,846
Minnesota	30	146	1	74	23,532	----------	----------	13
Missouri	14	167	2	51,497	29,152	----------	----------	20,234
New Hampshire	2	21	----------	1	52,875	----------	----------	5,747,425
New Jersey	17	190	3	8,932	797,679	525	3	7,564,866
New York	184	1,465	51	6,552	576,837	19,235	9,076	76,135,443
North Carolina	12	19	7	127,353	11,389	36,148	----------	----------
Ohio	66	409	----------	57,910	446,907	----------	----------	1,354,537
Pennsylvania	87	937	9	5,791	2,294,016	51,294	213	----------
Tennessee	17	29	----------	20,032	78,728	----------	----------	24,045,553
Virginia	8	40	7	19,904	376,719	312,271	144	304
West Virginia	7	32	1	12,408	83,828	302	----------	----------
All other	141	[5] 1,119	2	3,433	[5] 125,106	----------	----------	----------

[1] Twist included with plug prior to 1906.
[2] Estimates based on sale of stamps by collectors' offices.
[3] Includes plug, twist, and fine cut.
[4] Includes only those producing a taxable product.
[5] Figures include Hawaii.

Source: Annual Report of the Commissioner of Internal Revenue.

No. 843.—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 841

Item	1924	1925	1926	1927	1928	1929	1930
Leaf tobacco consumed in manufacture:							
In registered factories	693,858	718,426	737,354	744,288	754,625	196,626	764,534
In bond	28,589	18,519	19,059	16,073	28,132	13,267	4,175
Manufactured tobacco imported:							
From Porto Rico	2,483	2,908	2,498	2,081	2,165	2,043	2,261
Other countries	3,893	4,000	3,859	3,408	3,263	2,682	2,408
Exports of manufactured tobacco	38,602	31,687	35,963	28,981	42,861	33,533	23,028
Remaining for consumption	690,161	712,166	726,807	736,959	745,324	781,085	750,350
Per capita consumption—pounds	6.10	6.20	6.24	6.24	6.22	6.43	6.09

Sources: Leaf tobacco used in registered factories from reports of the Commissioner of Internal Revenue; leaf tobacco used in bonded factories from reports of the Division of Customs, Treasury Department.

No. 844.—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. The cities shown had a population of 50,000 or over in 1930. The estimated cost of new buildings, only, authorized in 257 identical cities since 1921 is as follows: 1921, $1,573,000,000; 1922, $2,489,000,000; 1923, $3,072,000,000; 1924, $3,208,000,000; 1925, $3,805,000,000; 1926, $3,557,000,000; 1927, $3,138,000,000; 1928, $2,905,000,000; 1929, $2,580,000,000; 1930, $1,451,000,000. Buildings authorized by permit are not always actually constructed, and the actual cost of those constructed may differ considerably from that originally estimated

City and State	Total number of buildings					Proposed cost of buildings (thousands of dollars)				
	1926	1927	1928	1929	1930	1926	1927	1928	1929	1930
Akron, Ohio	5,024	5,495	5,356	5,560	2,421	15,983	20,196	19,485	21,649	8,777
Albany, N. Y.	2,992	2,684	2,226	1,784	1,612	25,754	16,189	14,894	9,036	9,004
Allentown, Pa.	1,766	1,663	1,556	1,388	671	9,218	6,588	5,935	4,510	2,270
Altoona, Pa.	1,548	1,479	1,313	1,932	1,481	3,023	3,041	3,361	1,984	1,369
Asheville, N. C.	1,815	1,187	901	598	383	9,298	5,987	3,095	2,236	422
Atlanta, Ga.	3,784	4,085	3,052	2,946	3,043	17,175	11,861	27,395	12,564	8,446
Atlantic City, N. J.	1,216	1,091	839	701	593	9,255	5,823	7,411	7,483	1,401
Augusta, Ga.	1,430	1,965	2,233	1,915	989	1,167	1,459	1,551	1,137	715
Austin, Tex.				1,139	1,234				4,477	3,335
Baltimore, Md.	22,135	20,625	17,099	18,332	16,943	42,456	28,488	33,915	33,175	27,821
Bayonne, N. J.	429	338	504	329	226	2,876	1,950	1,995	1,107	792
Beaumont, Tex.			1,901	1,852	1,561			4,327	2,582	2,606
Berkeley, Calif.	3,200	2,669	2,487	1,806	1,541	7,334	6,683	6,077	6,369	2,986
Bethlehem, Pa.	767	803	743	604	381	2,151	2,477	3,843	2,905	1,065
Binghamton, N. Y.	1,832	2,441	2,273	2,747	2,814	3,278	4,291	3,456	3,988	2,255
Birmingham, Ala.	5,595	5,302	5,087	3,071	2,542	17,171	21,787	14,225	8,234	2,420
Boston, Mass.	9,815	9,839	9,256	8,169	7,496	51,484	60,987	55,699	53,834	26,906
Bridgeport, Conn.	1,020	1,145	1,135	1,172	1,140	3,458	5,187	3,527	4,242	2,618
Brockton, Mass.	900	952	887	927	772	1,879	1,433	1,726	1,467	1,113
Buffalo, N. Y.	7,230	6,605	5,545	4,326	3,763	27,413	33,073	24,402	24,128	14,825
Cambridge, Mass.	1,084	1,057	1,052	941	773	8,270	9,567	8,084	12,166	11,063
Camden, N. J.	2,246	1,751	1,203	1,131	832	6,571	5,330	7,428	6,164	2,592
Canton, Ohio	2,359	1,994	1,579	1,507	930	5,321	4,156	3,662	3,456	1,585
Cedar Rapids, Iowa	1,365	1,358	1,256	1,216	1,227	6,220	2,603	2,438	2,906	2,032
Charleston, S. C.	402	433	464	673	438	466	586	661	671	1,103
Charleston, W. Va.	684	611	601	719	456	3,181	2,039	2,873	2,241	6,881
Charlotte, N. C.	905	1,137	1,397	1,086	824	7,182	5,555	7,458	3,729	2,588
Chattanooga, Tenn.	3,079	3,006	2,939	3,218	2,978	4,808	4,874	4,703	2,261	2,934
Chester, Pa.	693	664	489	343	252	3,586	2,306	1,747	1,099	1,139
Chicago, Ill.	28,660	26,100	19,982	15,849	10,380	376,808	365,065	323,500	210,708	85,749
Cicero, Ill.	719	588	547	562	241	5,322	4,636	3,860	3,600	1,117
Cincinnati, Ohio	8,332	8,662	9,431	8,971	6,667	29,257	30,570	35,459	31,037	33,161
Cleveland, Ohio	13,912	12,108	10,593	9,863	7,637	61,777	45,481	59,159	37,783	32,554
Columbia, S. C.	449	689	883	620	536	1,449	1,533	1,610	1,255	1,903
Columbus, Ohio	7,046	6,080	5,350	3,557	2,594	25,251	23,283	16,237	10,613	5,616
Covington, Ky.	797	726	580	409	343	2,152	1,722	1,502	1,479	629
Dallas, Tex.	4,202	3,533	3,428	3,251	3,325	16,123	9,774	8,089	9,660	11,028
Davenport, Iowa	662	708	1,235	1,489	1,557	1,183	2,053	1,350	2,342	2,402
Dayton, Ohio	2,922	3,118	2,617	2,017	1,607	11,011	10,332	10,358	6,343	5,958
Decatur, Ill.	1,423	1,615	1,184	839	447	5,405	5,790	4,100	3,890	1,991
Denver, Colo.	6,152	7,339	6,154	6,111	5,043	13,873	15,755	10,771	16,573	7,048
Des Moines, Iowa	1,383	1,243	1,299	1,171	1,113	5,369	2,876	4,510	4,820	4,011
Detroit, Mich.	40,204	28,104	28,541	26,554	15,313	183,721	145,555	129,260	100,567	48,390
Duluth, Minn.	2,229	2,453	2,175	1,700	1,390	5,086	4,431	3,239	3,686	2,188
Durham, N. C.	610	642	632	284	233	3,371	2,588	9,906	1,803	1,047
East Chicago, Ind.	614	626	421	525	367	4,136	4,304	3,482	5,307	1,801
East Orange, N. J.	1,306	1,134	928	769	678	9,035	12,313	7,632	5,916	2,027
East St. Louis, Ill.	1,325	1,200	1,003	895	566	4,469	5,563	2,707	2,302	1,305
Elizabeth, N. J.	1,919	1,454	910	731	433	11,166	10,923	5,504	4,095	2,394
El Paso, Tex.	642	1,162	1,014	1,181	1,123	1,202	1,793	2,144	4,325	2,937
Erie, Pa.	2,062	1,956	1,779	1,694	1,480	6,091	5,303	4,764	6,431	3,302
Evanston, Ill.	1,300	1,470	1,040	736	513	15,820	15,917	13,178	8,196	3,103
Evansville, Ind.	2,278	1,861	1,805	1,354	1,639	4,468	3,416	5,111	4,421	1,761
Fall River, Mass.	809	842	592	607	561	2,156	1,841	2,830	792	1,189
Flint, Mich.	6,487	8,785	6,700	6,717	3,104	13,020	22,087	14,423	14,684	3,094
Fort Wayne, Ind.	2,565	1,844	1,646	1,927	1,351	7,751	6,002	5,011	7,039	3,000
Fort Worth, Tex.	4,271	4,812	4,560	3,237	2,616	19,402	28,484	11,544	11,262	10,463
Fresno, Calif.	1,128	1,023	1,272	1,784	1,496	1,807	2,691	1,662	1,699	1,333
Galveston, Tex.	2,906	2,551	2,243	1,895	1,376	3,201	2,974	2,677	3,613	1,717
Gary, Ind.	3,305	2,857	1,966	1,162	743	22,074	15,017	6,041	3,146	1,177
Grand Rapids, Mich.	9,610	8,386	5,401	4,415	2,640	16,869	12,319	8,187	6,087	2,922
Greensboro, N. C.		1,176	1,179	710	471		4,838	6,048	3,134	766

No. 844—Building Permits Issued in Principal Cities—Continued

City and State	Total number of buildings					Proposed cost of buildings (thousands of dollars)				
	1926	1927	1928	1929	1930	1926	1927	1928	1929	1930
Hamilton, Ohio	993	632	841	756	502	2,529	1,783	2,063	2,411	1,552
Hammond, Ind	1,401	1,321	1,055	777	704	6,635	6,431	6,527	4,154	1,870
Hamtramck, Mich	708	476	518	643	322	1,933	1,546	1,345	1,066	1,299
Harrisburg, Pa	1,091	1,037	844	778	676	4,333	3,569	5,595	7,958	2,519
Hartford, Conn	3,100	2,321	1,931	2,192	1,339	16,217	17,530	11,278	16,144	6,365
Highland Park, Mich	616	372	382	383	235	4,819	2,655	2,603	2,327	624
Hoboken, N. J	248	271	239	265	272	1,230	1,520	565	748	828
Holyoke, Mass	489	432	350	298	250	2,607	2,044	1,261	1,256	1,703
Houston, Tex	5,887	5,880	6,072	3,972	2,741	28,498	27,326	35,310	20,133	17,265
Huntington, W. Va	763	509	270	306	201	1,840	1,547	982	1,455	770
Indianapolis, Ind	11,706	13,572	10,217	6,785	4,919	19,030	23,682	21,967	14,844	7,451
Irvington, N. J	1,712	1,585	903	567	445	9,506	12,960	6,639	2,134	1,700
Jackson, Mich	1,305	1,201	1,230	1,227	736	4,180	2,576	2,097	3,492	698
Jacksonville, Fla	5,823	5,002	3,431	2,557	2,103	20,789	12,768	7,660	4,580	2,410
Jersey City, N. J	1,833	1,554	1,375	1,219	835	20,903	13,852	13,876	14,585	12,167
Johnstown, Pa	1,035	672	556	522	412	3,913	1,386	1,095	682	896
Kalamazoo, Mich	1,394	1,494	1,513	1,349	973	1,984	2,223	2,035	2,410	1,172
Kansas City, Kans	1,714	1,163	1,043	867	673	2,520	1,587	1,651	1,844	1,350
Kansas City, Mo	3,899	2,919	2,345	1,946	1,503	21,576	14,822	15,541	14,845	15,663
Kenosha, Wis	1,770	903	894	945	522	5,122	4,408	3,726	4,577	1,484
Knoxville, Tenn	2,414	2,470	2,138	1,220	667	10,710	5,699	7,115	5,499	3,627
Lakewood, Ohio	901	870	625	550	456	4,293	3,516	4,622	1,830	1,482
Lancaster, Pa	717	856	647	671	520	2,328	3,005	2,380	1,982	1,381
Lansing, Mich	1,689	1,301	1,340	1,308	722	4,403	7,330	5,204	8,738	2,065
Lawrence, Mass	370	261	222	241	236	1,729	913	603	854	618
Lincoln, Nebr	1,151	1,068	1,070	980	609	5,936	4,399	3,643	2,560	1,598
Little Rock, Ark	2,186	2,008	1,528	1,376	1,496	6,888	2,994	4,260	3,268	2,251
Long Beach, Calif	3,667	4,197	4,988	4,949	4,502	8,565	13,630	16,308	18,044	13,058
Los Angeles, Calif	37,478	37,655	33,195	31,722	30,614	123,006	123,027	101,679	93,020	75,357
Louisville, Ky	4,059	3,278	3,215	2,466	1,756	20,252	23,341	18,120	13,205	6,937
Lowell, Mass	853	787	633	676	663	1,578	971	942	704	1,147
Lynn, Mass	1,390	1,265	1,279	1,133	1,041	4,612	3,878	3,787	3,942	2,972
Macon, Ga	2,085	1,943	1,817	1,416	674	1,739	2,886	2,350	988	777
Madison, Wis	1,543	1,507	1,475	1,155	845	5,103	4,462	7,630	4,974	2,348
Malden, Mass	860	806	630	534	475	3,611	3,800	2,803	1,804	1,133
Manchester, N. H	1,047	1,189	970	1,044	1,095	1,373	1,940	1,059	1,241	765
McKeesport, Pa	2,309	1,905	1,325	1,320	1,231	2,525	2,356	2,185	1,674	1,052
Medford, Mass	1,201	1,109	1,131	904	625	5,759	4,371	4,515	3,483	1,656
Memphis, Tenn	4,705	4,017	4,005	3,178	3,693	15,332	12,403	14,283	8,062	9,501
Miami, Fla	13,012	3,545	1,568	2,511	3,032	35,243	9,541	1,946	3,615	1,917
Milwaukee, Wis	8,327	8,609	7,258	7,501	4,939	3,814	37,748	35,406	37,947	25,285
Minneapolis, Minn	8,090	6,791	6,580	6,054	5,932	20,609	22,430	23,258	20,960	13,449
Mobile, Ala	690	872	1,047	1,055	680	1,816	2,146	3,346	1,667	1,100
Montgomery, Ala	1,015	1,444	2,916	2,320	1,558	1,626	2,531	3,289	2,769	1,274
Mt. Vernon, N. Y	913	962	940	577	596	24,827	16,775	14,262	6,179	4,197
Nashville, Tenn	2,210	2,097	2,227	2,327	2,062	5,243	7,078	5,565	5,695	5,517
Newark, N. J	4,518	3,998	2,972	2,763	1,882	41,198	51,452	34,285	28,838	12,379
New Bedford, Mass	830	1,422	681	581	520	2,269	2,167	1,095	789	982
New Britain, Conn	1,559	1,437	1,227	1,051	592	5,789	4,104	3,532	1,016	896
New Haven, Conn	2,386	1,514	1,330	1,323	1,193	19,467	11,741	8,798	12,762	15,924
New Orleans, La	2,152	2,433	2,882	1,933	1,227	18,586	15,897	12,628	11,971	6,487
New Rochelle, N. Y	983	905	845	740	609	8,154	9,736	11,233	7,585	5,609
Newton, Mass	1,539	1,628	1,670	1,387	1,048	8,394	10,130	10,802	6,857	5,870
New York, N. Y.:										
Borough of Bronx	10,348	11,864	10,959	7,811	7,507	214,580	172,588	189,825	95,066	56,116
Borough of Brooklyn	26,064	22,431	18,358	13,271	11,503	283,659	220,969	198,285	146,016	70,632
Borough of Manhattan	3,880	3,832	3,787	3,692	3,396	341,256	290,321	361,723	595,522	198,445
Borough of Queens	28,748	26,579	22,101	16,152	17,583	186,174	184,438	151,566	94,510	77,344
Borough of Richmond	3,350	3,671	3,766	2,868	2,539	14,092	12,017	15,273	10,584	7,629
Niagara Falls, N. Y	1,368	1,343	1,577	1,805	1,640	4,244	4,791	4,869	5,071	3,736
Norfolk, Va	1,388	1,464	1,383	1,185	1,092	2,772	3,347	3,340	2,730	2,603
Oakland, Calif	9,979	7,027	5,092	4,264	3,154	27,728	20,518	19,537	14,396	9,085
Oak Park, Ill	960	1,020	836	529	315	6,470	9,081	9,290	5,721	1,861
Oklahoma City, Okla	1,459	3,168	3,965	4,280	3,270	7,723	12,682	13,522	22,501	26,412
Omaha, Nebr	1,490	1,035	1,169	1,046	854	9,928	4,567	9,050	5,581	5,121
Pasadena, Calif	3,271	2,778	2,452	3,834	4,040	9,052	8,966	5,950	6,987	5,886
Passaic, N. J	766	987	975	976	709	3,337	5,603	3,062	4,870	2,009
Paterson, N. J	2,377	2,458	2,258	2,123	1,785	7,463	6,370	7,357	4,872	2,088
Pawtucket, R. I	1,111	1,140	991	904	597	3,724	3,587	2,823	1,995	1,847

No. 844.—Building Permits Issued in Principal Cities—Continued

City and State	Total number of buildings					Proposed cost of buildings (thousands of dollars)				
	1926	1927	1928	1929	1930	1926	1927	1928	1929	1930
Peoria, Ill.	1,459	1,492	1,418	1,207	1,150	5,685	3,410	3,951	3,604	3,436
Philadelphia, Pa.	17,805	19,082	16,423	10,388	6,430	140,093	117,591	112,226	104,406	53,142
Pittsburgh, Pa.	7,747	7,869	7,070	6,128	5,115	43,790	37,111	39,374	35,639	20,780
Pontiac, Mich.	1,801	2,114	2,851	2,299	572	5,485	17,558	13,115	6,219	1,280
Port Arthur, Tex.	670	1,351	1,207	972	1,070	878	1,731	1,881	1,979	2,430
Portland, Me.	1,156	1,368	1,351	1,214	1,173	4,222	2,327	2,739	2,133	1,567
Portland, Oreg.	13,256	11,294	9,567	7,646	6,041	32,589	28,973	21,276	15,504	12,063
Providence, R. I.	5,297	5,442	4,979	5,046	4,835	23,188	23,133	16,004	14,943	10,742
Pueblo, Colo.	1,051	1,445	1,458	1,281	1,028	1,246	1,625	1,467	1,572	538
Quincy, Mass.	2,079	2,201	2,335	1,920	1,428	6,230	5,232	6,870	4,217	2,724
Racine, Wis.	1,306	1,373	1,078	1,264	723	4,067	6,391	4,417	4,783	3,924
Reading, Pa.	2,542	2,367	2,179	2,483	2,417	5,267	4,614	3,808	6,111	2,474
Richmond, Va.	3,217	3,891	2,317	2,151	1,668	10,025	15,216	8,845	9,146	5,951
Roanoke, Va.	1,456	1,156	880	700	499	4,568	2,584	3,279	2,220	2,606
Rochester, N. Y.	5,838	5,665	4,542	3,429	2,490	21,037	22,689	17,021	13,303	8,011
Rockford, Ill.	1,946	2,116	1,875	1,652	1,039	5,539	6,553	5,737	5,083	2,908
Sacramento, Calif.	2,486	2,267	1,859	1,101	1,630	7,699	8,314	5,524	4,331	3,029
Saginaw, Mich.	1,663	1,426	1,058	1,801	1,054	3,085	3,611	4,350	3,121	2,690
St. Joseph, Mo.	688	659	284	558	470	1,342	769	2,005	1,404	1,620
St. Louis, Mo.	13,654	13,035	12,627	9,533	8,120	42,739	41,417	42,823	27,074	17,322
St. Paul, Minn.	5,414	4,772	4,999	5,065	3,780	15,591	10,071	8,700	9,365	10,682
Salt Lake City, Utah	1,102	1,000	1,024	1,089	948	5,027	4,856	5,277	5,691	4,274
San Antonio, Tex.	3,239	3,461	4,284	4,550	3,234	12,072	12,190	18,300	18,070	8,488
San Diego, Calif.	7,930	6,652	5,150	3,811	3,219	19,831	13,877	12,150	11,415	5,426
San Francisco, Calif.	7,385	6,932	6,648	5,505	4,951	57,154	46,449	37,504	33,426	22,414
San Jose, Calif.	1,474	1,065	948	937	755	4,379	3,554	2,541	2,428	3,403
Savannah, Ga.	682	611	525	317	187	2,931	2,180	2,137	1,122	1,069
Schenectady, N. Y.	1,082	1,192	1,175	1,341	1,390	4,010	4,318	3,428	3,431	5,339
Scranton, Pa.	776	1,141	1,159	880	826	3,141	5,707	4,632	2,947	3,190
Seattle, Wash.	10,924	9,906	9,512	7,924	6,577	34,218	29,070	34,807	29,101	30,356
Shreveport, La.	2,009	2,426	2,921	2,838	1,924	5,357	3,946	4,846	3,535	1,542
Sioux City, Iowa.	964	741	799	748	705	4,266	1,868	2,170	3,130	3,412
Somerville, Mass.	1,044	822	407	539	555	5,066	3,336	1,424	3,076	1,380
South Bend, Ind.	4,274	2,406	2,524	2,445	1,760	9,753	4,889	6,363	7,015	3,709
Spokane, Wash.	2,418	2,142	2,187	2,241	2,169	4,191	3,657	5,737	4,148	3,641
Springfield, Ill.	1,357	1,134	1,195	1,101	964	4,251	3,770	3,739	3,112	3,179
Springfield, Mass.	2,275	1,954	1,539	1,367	1,062	8,734	8,906	5,977	5,095	5,703
Springfield, Mo.			628	522	426			1,616	1,525	1,115
Springfield, Ohio.	1,174	945	1,017	1,006	651	1,447	1,694	1,557	1,750	777
Syracuse, N. Y.	3,394	3,961	3,103	2,512	1,532	14,274	21,960	13,220	11,267	5,398
Tacoma, Wash.	4,555	2,453	2,341	2,538	1,621	11,088	4,765	4,660	4,053	4,070
Tampa, Fla.	8,350	4,756	3,637	2,406	2,337	15,480	6,145	3,617	1,558	1,302
Terre Haute, Ind.	1,755	1,586	1,690	1,189	879	2,064	1,213	973	799	687
Toledo, Ohio.	6,034	6,192	5,334	4,802	2,537	13,046	15,514	17,346	13,507	10,406
Topeka, Kans.	1,393	1,231	1,117	897	684	3,579	2,222	1,992	1,751	2,425
Trenton, N. J.	1,476	1,353	1,062	824	580	4,931	4,540	4,106	3,675	2,449
Troy, N. Y.	808	935	774	781	713	2,602	3,206	1,324	2,937	3,024
Tulsa, Okla.	2,358	3,466	3,829	3,161	2,360	7,230	14,792	13,411	11,757	8,356
Union City, N. J.	862	1,075	674	462	497	1,933	3,410	1,121	865	887
Utica, N. Y.	876	672	680	486	552	5,532	3,381	3,917	2,497	1,350
Waco, Tex.	419	373	410	486	360	1,095	1,574	2,291	2,700	1,154
Washington, D. C.	9,324	6,954	6,916	5,641	4,605	64,970	39,263	53,975	56,128	48,824
Waterbury, Conn.	1,231	1,257	907	746	541	5,252	5,016	3,488	2,999	2,037
Wheeling, W. Va.	977	1,081	843	669	528	1,821	3,014	1,967	1,768	1,121
Wichita, Kans.	2,278	2,322	2,390	2,712	1,762	5,184	5,849	7,974	8,052	6,308
Wilkes-Barre, Pa.	1,405	1,376	1,337	922	774	3,941	4,934	3,896	3,225	1,669
Wilmington, Del.	2,118	1,924	1,969	1,537	1,407	4,871	6,806	5,577	6,143	4,917
Winston-Salem, N. C.	1,339	2,444	2,550	1,568	1,217	5,531	6,539	8,531	5,090	1,602
Worcester, Mass.	2,820	2,381	1,999	1,925	1,663	12,985	8,815	7,260	7,251	6,341
Yonkers, N. Y.	1,855	2,005	1,934	1,413	1,134	25,644	32,586	35,619	21,306	9,887
York, Pa.	870	718	954	974	830	1,242	1,589	2,065	1,458	1,679
Youngstown, Ohio.	2,465	2,291	2,191	1,787	1,029	9,614	9,007	8,633	5,894	2,801

Source: Bureau of Labor Statistics, Department of Labor.

No. 845.—BUILDING PERMITS ISSUED, BY CLASSES

NOTE.—See headnote, Table 844. Figures for 1928 represent 302 cities; 1929 and 1930, 311 identical cities

Class of building	Number of buildings			Proposed cost (1,000 dollars)		
	1928	1929	1930	1928	1929	1930
Grand total, all buildings	658,321	583,250	467,430	3,411,123	3,035,776	1,766,145
Total new buildings	382,514	307,062	210,141	3,089,075	2,668,301	1,505,779
New residential buildings	180,534	126,952	73,201	1,908,322	1,477,620	695,901
1-family dwellings	143,889	104,798	61,656	710,901	516,296	306,186
2-family dwellings	19,956	12,990	7,187	153,128	99,141	53,986
1-family and 2-family dwellings with stores	2,620	1,501	874	26,679	14,262	6,986
Multifamily dwellings	12,063	6,662	3,019	776,419	490,957	193,174
Multifamily dwellings with stores	1,528	565	205	90,755	34,920	12,250
Hotels	234	275	79	114,290	284,604	24,778
Lodging houses	37	23	11	781	429	219
Other	207	138	170	35,370	37,011	28,323
New nonresidential buildings	201,980	180,110	136,940	1,180,753	1,190,680	879,878
Amusement buildings	947	748	1,450	84,677	43,215	43,375
Churches	1,002	855	698	48,852	40,882	20,575
Factories and workshops	3,932	3,927	2,679	152,411	141,620	109,491
Public garages	3,836	4,071	1,948	70,656	49,198	26,828
Private garages	155,478	135,637	97,458	54,921	48,037	33,723
Service stations	4,462	4,207	5,778	14,769	19,928	21,869
Institutions	303	274	272	65,002	75,703	58,258
Office buildings	1,352	1,136	703	255,801	240,650	160,741
Public buildings	243	327	434	29,378	87,554	85,821
Public works and utilities	516	620	603	38,671	46,444	45,237
Schools and libraries	843	753	754	142,154	128,897	126,908
Sheds	11,658	10,649	10,725	4,870	4,456	3,865
Stables and barns	356	324	267	581	969	438
Stores and warehouses	12,925	12,085	8,916	210,306	254,475	127,832
All other	4,127	4,488	4,255	7,704	8,752	5,914
Additions, alterations, and repairs	275,807	276,188	257,289	322,048	367,475	260,365

Source: Bureau of Labor Statistics, Department of Labor.

No. 846.—INDEX NUMBERS OF BUILDING MATERIAL PRICES AND CONSTRUCTION COSTS

[Monthly average 1923–1925=100]

Year and quarterly average	(1) Wholesale price indexes of—							(2) Construction costs	(3) Factory building costs	(4) Frame house materials, retail prices	(4) Brick house materials, retail prices
	All building materials	Lumber	Brick	Portland cement f. o. b. plant [1]	Structural steel [2]	Paint materials	Other building materials				
1913	54.4	52.0	38.0	56.5	68.0	49.1	61.1	47.1	-------	49.7	49.2
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	90.5	91.6
1923	104.3	107.6	101.2	102.4	100.1	98.0	102.1	100.9	101.9	102.7	103.0
1924	98.2	95.6	101.0	100.3	100.7	96.4	100.7	101.6	100.1	100.0	100.1
1925	97.6	96.8	97.8	97.3	90.1	105.7	97.2	97.5	98.1	97.2	96.8
1926	96.0	96.2	97.7	94.9	88.2	96.7	96.8	98.1	99.5	96.7	95.9
1927	89.5	89.0	91.0	91.7	83.5	88.0	91.1	97.3	97.2	92.9	92.6
1928	89.9	86.7	90.5	91.0	84.0	83.8	98.1	97.5	96.4	88.4	90.1
1929	93.2	91.0	89.0	87.1	86.5	88.3	103.5	97.6	[3] 95.9	88.0	89.6
1930	86.7	82.5	82.7	87.1	77.0	82.1	97.9	95.7	[3] 94.4	85.9	87.3
1930											
January–March	91.9	88.6	86.9	87.3	82.5	89.9	103.0	97.8	[4] 95.4	88.5	89.6
April–June	88.8	85.6	83.9	87.7	79.5	86.8	98.5	96.9	[4] 95.4	87.0	88.0
July–September	84.0	78.7	80.7	87.0	73.5	80.2	95.5	94.6	[4] 93.3	84.5	80.2
October–December	81.8	76.5	80.1	86.5	72.0	71.8	94.3	93.4	[4] 93.3	83.5	85.7

[1] Indexes, 1913 to 1918, based on average price for United States; thereafter on average price for 6 plants.
[2] Pittsburgh district. Based on average mill price per 100 pounds of structural shapes, 3 inches and larger.
[3] Average of March, June, September, and December.
[4] Index for last month of quarter.

Sources: (1) Department of Labor; (2) Lumber, steel, cement, and rates paid common labor, Engineering News-Record; (3) Standard factory building, Aberthaw Construction Co.; (4) Retail prices of building material in 60 cities, Department of Commerce.

No. 847.—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 utilities cover some projects not susceptible to measurement in terms of floor space, such as highways, pipe lines, subways, etc.

[Values in millions and tenths of millions of dollars; floor space in thousands of square feet]

Year	Total	Residential	Commercial	Factories [1]	Public works and utilities [1]	Educational	Hospitals and institutions	Public buildings	Religious and memorial	Social and recreational
27 STATES [2]										
Number of projects:										
1919	[3] 82,342	47,990	13,102	7,498	7,982	1,997	582	755	1,087	1,329
1920	[3] 57,850	28,967	10,755	5,982	6,561	2,027	588	711	950	1,308
1921	78,208	49,409	10,120	3,171	8,568	2,722	647	633	1,352	1,556
1922	107,635	72,988	12,633	3,693	10,609	3,299	718	566	1,710	1,419
1923	105,513	71,594	12,718	3,853	10,682	2,707	601	530	1,420	1,339
1924	109,040	77,708	12,170	3,349	8,785	2,793	659	548	1,651	1,377
1925	132,107	96,822	13,925	4,150	9,249	2,960	733	634	1,766	1,868
1926	132,338	93,722	14,728	4,381	11,125	2,935	799	725	1,865	2,058
1927	143,989	100,138	16,058	4,324	13,684	3,362	997	1,007	2,095	2,324
1928	161,140	112,710	18,053	4,727	16,089	3,497	963	1,009	1,875	2,127
1929	139,232	90,164	18,436	5,282	16,293	3,377	975	1,047	1,684	1,984
1930	108,507	60,426	17,285	3,684	17,930	3,451	1,023	1,148	1,524	2,036
Value of construction:										
1919	[3] 2,579.9	849.2	405.7	497.8	517.1	119.5	39.2	29.9	37.5	83.6
1920	[3] 2,564.5	670.1	444.0	555.4	599.9	172.3	50.5	39.6	41.4	91.1
1921	2,355.2	878.7	331.7	153.4	479.0	240.7	70.1	32.9	60.3	108.4
1922	3,343.8	1,340.1	496.1	278.2	608.8	302.3	86.6	36.0	86.0	109.7
1923	3,503.7	1,583.9	461.6	255.0	685.9	271.3	62.0	22.1	72.0	100.0
1924	3,373.1	1,344.0	517.2	187.6	672.8	317.1	98.0	30.2	96.3	109.8
1925	5,041.9	2,359.8	717.3	278.7	838.7	369.5	97.6	39.7	124.7	215.9
1926	5,418.2	2,335.7	784.1	300.6	1,063.0	321.1	120.8	51.4	127.9	223.5
1927	5,473.2	2,326.9	834.4	302.3	1,069.9	323.8	149.0	64.7	132.3	239.8
1928	5,836.0	2,545.2	785.3	397.8	1,241.6	345.3	153.7	63.6	109.0	194.5
1929	4,999.0	1,736.7	832.7	497.5	1,131.0	342.7	140.8	107.3	88.4	121.9
1930	3,925.2	986.5	505.5	215.1	1,373.5	332.8	152.7	117.5	79.9	101.6
Floor space of building:										
1919	[3] 557,488	241,857	109,906	151,536	-------	22,979	6,821	3,852	5,334	15,175
1920	[3] 401,951	138,124	83,988	125,402	-------	26,279	6,807	4,128	5,063	12,360
1921	384,996	204,511	64,609	34,667	-------	40,092	10,678	3,925	9,170	17,345
1922	570,076	311,466	95,231	61,833	-------	54,322	11,779	4,380	12,857	18,209
1923	588,014	354,450	93,588	57,646	-------	44,170	10,005	3,480	9,284	15,391
1924	597,641	370,720	94,719	39,361	-------	46,875	12,707	4,725	11,960	16,474
1925	759,728	470,207	124,064	56,350	-------	51,204	12,020	5,580	13,814	26,476
1926	737,424	450,249	121,464	63,325	-------	44,478	13,131	5,592	13,019	26,166
1927	721,706	434,956	118,940	56,062	-------	45,197	16,967	7,484	13,188	28,974
1928	832,916	508,532	134,206	74,708	-------	52,766	18,183	9,009	12,304	23,211
1929	672,648	341,836	136,269	88,702	-------	51,952	17,529	10,390	9,248	16,723
1930	424,424	201,759	82,529	39,834	-------	48,344	17,534	13,322	8,543	12,551
37 STATES [4]										
Number of projects:										
1925	173,720	127,678	19,083	5,139	11,183	4,024	929	859	2,426	2,402
1926	170,723	120,473	20,249	5,456	13,583	3,993	935	995	2,406	2,583
1927	184,604	128,430	21,616	5,361	16,556	4,497	1,194	1,303	2,751	2,890
1928	200,255	139,133	23,583	5,809	19,270	4,759	1,141	1,383	2,520	2,657
1929	172,171	110,498	24,136	6,383	19,369	4,531	1,190	1,303	2,277	2,484
1930	135,269	74,713	22,598	4,675	21,219	4,771	1,221	1,477	2,044	2,551
Value of construction:										
1925	6,006.4	2,747.7	872.4	326.6	1,065.9	426.4	111.1	54.5	153.1	248.7
1926	6,380.9	2,671.1	920.9	471.2	1,340.4	381.1	133.1	67.2	148.8	247.1
1927	6,303.1	2,573.3	932.9	375.9	1,382.0	379.8	162.5	79.5	153.5	260.7
1928	6,628.3	2,788.3	884.6	508.8	1,464.5	399.0	164.7	76.2	127.9	214.1
1929	5,750.8	1,915.7	929.2	545.9	1,459.0	381.9	152.2	120.8	103.1	140.0
1930	4,523.1	1,101.3	628.8	256.6	1,651.2	376.1	163.1	139.8	92.8	113.3
Floor space of buildings:										
1925	920,537	559,501	160,067	66,900	-------	61,308	14,036	8,293	18,869	31,565
1926	872,574	521,061	152,355	75,705	-------	54,505	14,790	7,856	16,371	29,872
1927	838,298	494,563	141,815	68,130	-------	55,475	18,803	9,941	17,191	32,381
1928	956,841	568,383	159,192	92,003	-------	62,983	20,004	11,287	15,398	26,691
1929	779,747	387,671	161,262	105,523	-------	60,644	19,494	12,626	12,817	19,709
1930	496,074	230,039	97,853	48,020	-------	58,550	19,120	17,024	10,862	14,606

[1] Due to a change in the classification figures for the "Factories" class (previously published as "Industrial") 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 works and utilities."

[2] Prior to May, 1921, these figures represented the 26 States north and east of, and including, North Dakota, South Dakota, Iowa, Missouri, Tennessee, and Virginia, together with portions of eastern Kansas and Nebraska and the District of Columbia. Beginning May, 1921, North Carolina and South Carolina were added to the list, but this addition is stated to have little effect upon the total.

[3] Includes a small amount of miscellaneous construction not shown separately. No data reported since 1920.

[4] Figures for the 37 States include all except the 11 States in the Mountain and Pacific divisions.

Source: The F. W. Dodge Corporation.

No. 848.—CONSTRUCTION CONTRACTS AWARDED IN 37 STATES: BY MONTHS [1]

NOTE.—See headnote, Table 847

Month	Value of construction (thousands of dollars)					Floor space of buildings [2] (thousands of square feet)				
	1926	1927	1928	1929	1930	1926	1927	1928	1929	1930
Total	6,380,915	6,303,055	6,628,286	5,750,791	4,523,115	872,574	838,298	956,841	779,747	496,074
January	457,159	384,455	427,169	406,468	323,975	64,061	52,548	63,333	57,356	31,140
February	407,900	393,583	465,331	361,274	317,053	55,087	54,071	68,281	53,465	36,404
March	623,879	620,738	592,567	484,588	456,119	85,770	86,730	87,290	76,531	52,989
April	570,614	604,391	642,237	642,061	482,877	85,629	82,984	93,364	84,375	54,603
May	549,815	552,349	667,097	587,706	457,416	83,820	72,573	93,281	80,445	52,633
June	544,792	632,478	650,466	529,891	600,573	76,718	77,105	93,807	70,751	46,307
July	518,442	534,390	583,432	652,436	366,878	68,126	67,091	81,598	74,873	43,632
August	605,808	552,488	516,970	488,882	346,644	75,342	72,329	78,104	65,483	38,463
September	562,371	521,611	581,674	444,402	331,864	73,766	66,747	75,346	58,466	39,710
October	515,727	562,816	597,104	445,642	336,706	71,423	75,702	85,213	64,389	39,145
November	487,013	466,393	471,482	391,013	253,574	69,691	68,037	72,696	50,471	32,631
December	537,396	477,364	432,756	316,368	249,436	63,140	62,383	64,030	43,141	28,358

[1] Figures for the 37 States include all except the 11 States in the Mountain and Pacific divisions.
[2] Figures do not include data for floor space for public works and utilities.

Source: The F. W. Dodge Corporation.

No. 849.—CONSTRUCTION CONTRACTS AWARDED IN 37 STATES: BY TERRITORIES

NOTE.—See headnote, Table 847. 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 [1]	
	1925 [2]	1926 [2]	1927 [2]	1928 [2]	1929	1930	1929	1930
Total	6,006,428	6,380,915	6,303,055	6,628,286	5,750,791	4,523,115	779,747	496,074
New England	477,181	441,183	412,767	495,581	398,382	354,466	61,599	45,427
Metropolitan New York and vicinity	1,363,498	1,557,513	1,401,973	1,564,615	1,241,842	938,693	159,735	120,754
Up-State New York	247,760	217,547	282,472	249,702	225,430	188,164	23,954	18,293
Middle Atlantic	552,318	689,414	721,148	787,673	671,500	538,636	98,071	58,455
Pittsburgh	828,642	741,368	758,135	723,416	685,536	567,796	77,961	56,231
Southern Michigan	265,905	349,159	364,482	317,999	356,411	173,537	57,509	22,991
Chicago	878,601	910,905	1,031,962	1,120,906	873,554	560,201	123,073	53,728
Central Northwest	101,265	109,348	92,374	90,092	104,554	98,712	11,408	10,410
St. Louis	199,281	209,395	230,415	217,186	237,223	245,878	30,157	18,236
Kansas City	185,626	237,417	229,415	257,978	255,208	300,284	36,109	25,166
Texas	185,358	232,412	219,105	231,409	217,800	186,026	34,754	22,960
New Orleans	97,511	126,248	106,262	103,513	179,877	102,037	14,929	9,783
Southeastern	643,482	559,005	452,545	408,218	303,473	268,596	50,339	33,640

[1] Figures do not include data for floor space for public works and utilities. Comparable data for floor space by these territories are not available prior to the year 1929.
[2] Estimates made by the F. W. Dodge Corporation. Due to a change in the boundary line of 4 out of the 8 territories shown previously to the year 1930 it was necessary to estimate the figures for portions of the States now included with the new territories for comparability.

Source: The F. W. Dodge Corporation.

No. 850.—CONSTRUCTION CONTRACTS AWARDED IN 37 STATES: By Classes and Territories

[Values in millions and tenths of millions of dollars; floor space on thousands of square feet]

Territory	Value									
	Total, 37 States	Residential	Commercial	Factories	Public works and utilities	Educational	Hospitals and institutions	Public buildings	Religious and memorial	Social and recreational
1929										
Total	5,750.8	1,915.7	929.2	545.9	1,459.0	381.9	152.2	120.8	108.1	140.0
New England	398.4	153.3	64.8	34.4	68.5	42.3	14.4	7.8	7.8	15.2
Metropolitan New York and vicinity	1,241.8	551.1	264.6	31.7	230.0	74.4	36.8	15.4	11.5	26.2
Up-State New York	225.4	41.4	24.4	21.7	77.6	23.8	7.9	18.5	4.7	5.4
Middle Atlantic	671.5	246.2	100.9	85.6	108.9	52.3	17.4	32.6	12.9	14.7
Pittsburgh	685.5	166.1	92.0	90.3	225.3	42.9	23.4	9.4	18.5	17.5
Southern Michigan	356.4	108.3	47.3	60.5	90.9	28.3	4.2	1.8	5.5	9.6
Chicago	873.6	315.4	151.6	101.4	182.8	48.2	20.8	14.2	18.0	21.1
Central Northwest	104.6	17.2	20.2	8.1	42.2	6.4	2.7	3.6	1.8	2.5
St. Louis	237.2	70.2	26.0	13.9	96.8	12.8	7.6	1.5	3.7	4.7
Kansas City	255.2	77.7	43.1	12.5	87.4	14.8	6.3	2.8	4.9	5.8
Texas	217.8	60.2	43.0	10.7	70.7	12.4	3.2	3.9	7.2	6.4
New Orleans	179.9	17.9	12.0	16.3	115.7	7.0	2.6	2.8	2.8	2.9
Southeastern	303.5	90.7	39.1	58.6	72.2	16.5	5.0	6.5	7.0	7.9
1930										
Total	4,523.1	1,101.3	628.8	256.8	1,651.2	376.1	163.1	139.8	92.8	113.3
New England	354.5	110.9	42.7	17.9	73.3	56.7	21.0	11.4	9.2	11.6
Metropolitan New York and vicinity	938.7	330.4	202.5	26.3	197.7	72.8	50.3	24.4	16.8	17.6
Up-State New York	188.2	33.8	15.6	11.3	72.3	24.9	10.9	6.0	4.9	8.4
Middle Atlantic	538.6	132.2	77.3	30.0	180.9	38.9	16.0	32.3	13.5	17.6
Pittsburgh	567.8	113.9	72.9	57.2	209.0	50.1	18.1	16.2	10.0	21.4
Southern Michigan	173.5	47.0	21.3	10.4	52.9	15.0	13.0	6.1	3.6	4.1
Chicago	560.3	124.0	61.2	39.7	248.3	38.6	12.2	11.6	11.5	13.1
Central Northwest	98.7	15.7	19.2	4.9	41.8	8.9	2.5	1.6	2.4	1.7
St. Louis	245.9	42.6	18.0	9.8	148.9	12.3	3.1	4.5	4.0	2.6
Kansas City	300.3	46.2	39.0	10.6	166.1	17.2	6.4	5.7	4.8	4.3
Texas	180.0	35.4	24.5	9.3	83.1	13.9	2.4	10.5	3.1	3.8
New Orleans	102.0	13.1	7.0	4.3	59.1	8.1	3.0	4.5	1.4	1.6
Southeastern	268.6	57.1	27.6	25.0	117.9	18.6	4.2	5.1	7.5	5.5
	Floor space (of buildings)									
1929										
Total	779,747	387,671	181,282	105,523		60,644	19,494	12,626	12,817	19 709
New England	61,599	33,813	10,579	6,385		5,495	1,033	897	820	1,978
Metropolitan New York and vicinity	159,735	97,360	36,000	7,608		9,280	4,275	1,165	994	2,993
Up-State New York	23,954	8,166	4,174	4,089		3,500	773	2,150	395	707
Middle Atlantic	98,071	51,097	17,650	13,797		7,524	2,203	1,755	1,316	2,729
Pittsburgh	77,961	32,224	15,730	13,737		7,626	3,087	1,198	2,013	2,346
Southern Michigan	57,599	25,630	9,822	14,029		6,210	581	450	626	1,252
Chicago	123,073	60,830	24,643	21,124		7,528	2,693	1,629	1,990	2,737
Central Northwest	11,468	3,810	3,409	1,365		1,242	350	508	194	599
St. Louis	30,157	13,878	5,443	5,674		2,452	1,206	286	542	676
Kansas City	36,109	17,560	9,815	2,858		3,028	947	446	570	886
Texas	34,754	16,190	10,051	2,228		2,453	499	704	1,393	1,236
New Orleans	14,929	5,033	3,599	2,733		1,912	437	342	555	317
Southeastern	50,339	22,082	10,296	9,898		3,394	910	1,095	1,410	1,255
1930										
Total	498,074	230,039	97,853	48,020		58,550	19,120	17,024	10,862	14,603
New England	45,427	23,382	6,579	2,994		6,885	2,157	1,447	784	1,199
Metropolitan New York and vicinity	120,754	68,839	27,038	5,170		8,648	4,911	2,540	1,719	1,891
Up-State New York	18,293	6,625	2,532	1,929		3,450	995	677	615	1,470
Middle Atlantic	58,455	27,432	10,705	6,052		5,619	1,845	3,101	1,220	1,873
Pittsburgh	56,231	22,076	9,934	8,537		8,480	2,351	1,627	1,039	2,187
Southern Michigan	22,991	10,419	4,042	1,955		2,713	1,761	1,005	489	606
Chicago	53,728	28,577	9,153	8,622		6,028	1,533	1,448	1,268	2,101
Central Northwest	10,410	3,387	3,048	825		1,616	703	212	336	252
St. Louis	18,236	8,394	3,726	1,767		2,364	475	621	493	408
Kansas City	25,166	9,873	6,925	1,758		3,394	948	857	742	670
Texas	22,960	9,572	5,331	1,200		3,016	376	2,037	632	793
New Orleans	9,783	3,405	1,995	909		1,933	389	536	295	351
Southeastern	33,640	13,058	6,874	5,702		4,407	678	917	1,202	803

[1] For territory covered see headnote, Table 849.

Source: The F. W. Dodge Corporation.

No. 851.—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 [1]	Caveats filed [2]	Patents issued				Certificates of registration issued		
			Total	Patents	Designs	Reissues	Total	Trade-marks	Labels and prints
1836-1850 [3]	14,062	4,763	8,387	7,864	340	183			
1851-1860	44,302	9,571	25,087	23,140	1,025	922			
1861-1870	128,763	22,228	85,910	79,612	3,181	3,117	121	121	
1871-1880	206,436	29,350	138,355	125,520	7,535	5,300	10,395	8,017	2,378
1881-1890	352,475	25,012	217,821	207,850	8,357	1,614	14,660	10,636	4,024
1891-1900	410,049	21,199	234,956	220,840	13,374	742	18,794	16,903	[4] 1,891
1901-1905	253,417	9,108	143,291	143,791	3,953	547	18,590	12,768	5,822
1906-1910	307,187	8,880	175,618	171,560	3,297	761	36,375	32,060	4,315
1911-1915	350,937		194,387	186,241	7,295	851	32,381	27,369	5,012
1916-1920	368,236		207,108	197,644	8,486	978	35,364	30,681	4,683
1921-1925	420,597		217,525	203,977	12,326	1,222	81,566	71,159	10,407
1926-1930	459,163		234,857	219,384	13,796	1,677	96,729	83,536	13,193
1901	46,449	1,842	27,373	25,558	1,734	81	2,965	1,928	1,037
1902	49,641	1,851	27,886	27,136	640	110	2,931	2,006	925
1903	50,213	1,771	31,699	31,046	536	117	3,446	2,186	1,260
1904	52,143	1,808	30,934	30,267	557	110	3,569	2,158	1,411
1905	54,971	1,896	30,399	29,784	486	129	5,679	4,490	1,189
1906	56,482	1,885	31,965	31,181	625	159	11,933	10,568	1,365
1907	58,762	1,987	36,620	35,880	589	151	8,860	7,878	982
1908	61,475	2,110	33,682	32,757	757	168	6,029	5,191	838
1909	65,889	1,948	37,421	36,574	687	160	4,824	4,184	640
1910	64,629	970	35,930	35,168	639	123	4,729	4,239	490
1911	69,121		34,084	32,917	1,010	157	5,112	4,205	907
1912	70,976		37,731	36,231	1,342	158	5,896	5,020	876
1913	70,367		35,788	33,941	1,683	164	6,063	5,065	998
1914	70,404		41,860	39,945	1,715	190	7,874	6,817	1,057
1915	70,069		44,934	43,207	1,545	182	7,436	6,262	1,174
1916	71,033		45,927	43,970	1,759	198	8,087	6,791	1,296
1917	70,373		42,760	41,069	1,512	179	6,197	5,339	858
1918	59,615		39,941	38,569	1,207	165	4,912	4,061	851
1919	80,400		38,598	36,872	1,523	203	4,874	4,208	666
1920	86,815		39,882	37,164	2,485	233	11,294	10,282	1,012
1921	93,328		41,401	37,885	3,277	239	13,605	11,654	1,951
1922	88,930		40,297	38,414	1,627	256	14,992	12,793	2,199
1923	79,058		40,787	38,634	1,927	226	16,725	14,845	1,880
1924	80,756		45,500	42,594	2,671	235	17,562	15,749	1,813
1925	84,525		49,540	46,450	2,824	266	[5] 18,682	[5] 16,118	2,564
1926	86,028		47,627	44,750	2,602	275	[5] 21,819	[5] 19,246	2,573
1927	92,018		44,444	41,731	2,387	326	[5] 20,548	[5] 17,649	2,899
1928	92,508		45,899	42,376	3,188	335	[5] 19,084	[5] 16,191	2,893
1929	94,489		48,505	45,284	2,907	374	[5] 18,087	[5] 15,534	2,553
1930	94,030		48,322	45,243	2,712	367	[5] 17,191	[5] 14,916	2,275

[1] Figures include patents for inventions, designs, and reissues of patents.
[2] Caveat law repealed June 25, 1910.
[3] July 28, 1836, to Dec. 31, 1850.
[4] *Registration of labels suspended from* May 27, 1891, to June 9, 1896.
[5] Figures include 2,278 renewals in 1925, 4,282 renewals in 1926, 3,063 in 1927, 2,049 in 1928, 1,008 in 1929, and 1,665 in 1930.

Source: Reports of the Commissioner of Patents.

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	Kilograms
Wheat flour, barley flour, rye flour, and corn meal (net)[1]	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)[1]	376	170.55

[1] Except as noted.

OFFICIAL WEIGHTS OF THE UNITED STATES BUSHEL

	Pounds	Kilograms
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	Kilograms	Pounds	Kilograms
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	116.21
Fuel and gas oils	7.7	3.493	323.4	146.69

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NOTE.—Many individual commodities and industries not listed in the index are shown in the general tables, where they may readily be found, being either arranged alphabetically or placed in appropriate groups. Such tables are—

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