

Concentration Ratios in Manufacturing

1997

Issued June 2001

EC97M31S-CR

1997 Economic Census

Manufacturing

Subject Series



U S C E N S U S B U R E A U

Helping You Make Informed Decisions

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-- Not applicable for this report.

Introduction to the Economic Census

PURPOSES AND USES OF THE ECONOMIC CENSUS

The economic census is the major source of facts about the structure and functioning of the Nation's economy. It provides essential information for government, business, industry, and the general public. Title 13 of the United States Code (Sections 131, 191, and 224) directs the Census Bureau to take the economic census every 5 years, covering years ending in 2 and 7.

The economic census furnishes an important part of the framework for such composite measures as the gross domestic product estimates, input/output measures, production and price indexes, and other statistical series that measure short-term changes in economic conditions. Specific uses of economic census data include the following:

- Policymaking agencies of the Federal Government use the data to monitor economic activity and assess the effectiveness of policies.
- State and local governments use the data to assess business activities and tax bases within their jurisdictions and to develop programs to attract business.
- Trade associations study trends in their own and competing industries, which allows them to keep their members informed of market changes.
- Individual businesses use the data to locate potential markets and to analyze their own production and sales performance relative to industry or area averages.

ALL-NEW INDUSTRY CLASSIFICATIONS

Data from the 1997 Economic Census are published primarily on the basis of the North American Industry Classification System (NAICS), unlike earlier censuses, which were published according to the Standard Industrial Classification (SIC) system. NAICS is in the process of being adopted in the United States, Canada, and Mexico. Most economic census reports cover one of the following NAICS sectors:

21	Mining
22	Utilities
23	Construction
31-33	Manufacturing
42	Wholesale Trade
44-45	Retail Trade
48-49	Transportation and Warehousing
51	Information

52	Finance and Insurance
53	Real Estate and Rental and Leasing
54	Professional, Scientific, and Technical Services
55	Management of Companies and Enterprises
56	Administrative and Support and Waste Management and Remediation Services
61	Educational Services
62	Health Care and Social Assistance
71	Arts, Entertainment, and Recreation
72	Accommodation and Foodservices
81	Other Services (except Public Administration)

(Not listed above are the Agriculture, Forestry, Fishing, and Hunting sector (NAICS 11), partially covered by the census of agriculture conducted by the U.S. Department of Agriculture, and the Public Administration sector (NAICS 92), covered by the census of governments conducted by the Census Bureau.)

The 20 NAICS sectors are subdivided into 96 subsectors (three-digit codes), 313 industry groups (four-digit codes), and, as implemented in the United States, 1170 industries (five- and six-digit codes).

RELATIONSHIP TO SIC

While many of the individual NAICS industries correspond directly to industries as defined under the SIC system, most of the higher level groupings do not. Particular care should be taken in comparing data for retail trade, wholesale trade, and manufacturing, which are sector titles used in both NAICS and SIC, but cover somewhat different groups of industries. The industry definitions discuss the relationships between NAICS and SIC industries. Where changes are significant, it will not be possible to construct time series that include data for points both before and after 1997.

For 1997, data for auxiliary establishments (those functioning primarily to manage, service, or support the activities of their company's operating establishments, such as a central administrative office or warehouse) will not be included in the sector-specific reports. These data will be published separately.

GEOGRAPHIC AREA CODING

Accurate and complete information on the physical location of each establishment is required to tabulate the census data for the states, metropolitan areas (MAs), counties, parishes, and corporate municipalities including cities, towns, villages, and boroughs. Respondents were

required to report their physical location (street address, municipality, county, and state) if it differed from their mailing address. For establishments not surveyed by mail (and those single-establishment companies that did not provide acceptable information on physical location), location information from Internal Revenue Service tax forms is used as a basis for coding.

BASIS OF REPORTING

The economic census is conducted on an establishment basis. A company operating at more than one location is required to file a separate report for each store, factory, shop, or other location. Each establishment is assigned a separate industry classification based on its primary activity and not that of its parent company.

DOLLAR VALUES

All dollar values presented are expressed in current dollars; i.e., 1997 data are expressed in 1997 dollars, and 1992 data, in 1992 dollars. Consequently, when making comparisons with prior years, users of the data should consider the changes in prices that have occurred.

All dollar values are shown in thousands of dollars.

AVAILABILITY OF ADDITIONAL DATA

Reports in Print and Electronic Media

All results of the 1997 Economic Census are available on the Census Bureau Internet site (www.census.gov) and on compact discs (CD-ROM) for sale by the Census Bureau. Unlike previous censuses, only selected highlights are published in printed reports. For more information, including a description of electronic and printed reports being issued, see the Internet site, or write to U.S. Census Bureau, Washington, DC 20233-8300, or call Customer Services at 301-457-4100.

Special Tabulations

Special tabulations of data collected in the 1997 Economic Census may be obtained, depending on availability of time and personnel, in electronic or tabular form. The data will be summaries subject to the same rules prohibiting disclosure of confidential information (including name, address, kind of business, or other data for individual business establishments or companies) that govern the regular publications.

Special tabulations are prepared on a cost basis. A request for a cost estimate, as well as exact specifications on the type and format of the data to be provided, should be directed to the Chief of the division named below, U.S. Census Bureau, Washington, DC 20233-8300. To discuss a special tabulation before submitting specifications, call the appropriate division:

Manufacturing and Construction Division	301-457-4673
Service Sector Statistics Division	301-457-2668

HISTORICAL INFORMATION

The economic census has been taken as an integrated program at 5-year intervals since 1967 and before that for 1954, 1958, and 1963. Prior to that time, individual components of the economic census were taken separately at varying intervals.

The economic census traces its beginnings to the 1810 Decennial Census, when questions on manufacturing were included with those for population. Coverage of economic activities was expanded for the 1840 Decennial Census and subsequent censuses to include mining and some commercial activities. The 1905 Manufactures Census was the first time a census was taken apart from the regular decennial population census. Censuses covering retail and wholesale trade and construction industries were added in 1930, as were some covering service trades in 1933. Censuses of construction, manufacturing, and the other business service censuses were suspended during World War II.

The 1954 Economic Census was the first census to be fully integrated: providing comparable census data across economic sectors, using consistent time periods, concepts, definitions, classifications, and reporting units. It was the first census to be taken by mail, using lists of firms provided by the administrative records of other Federal agencies. Since 1963, administrative records also have been used to provide basic statistics for very small firms, reducing or eliminating the need to send them census questionnaires.

The range of industries covered in the economic censuses expanded between 1967 and 1992. The census of construction industries began on a regular basis in 1967, and the scope of service industries, introduced in 1933, was broadened in 1967, 1977, and 1987. While a few transportation industries were covered as early as 1963, it was not until 1992 that the census broadened to include all of transportation, communications, and utilities. Also new for 1992 was coverage of financial, insurance, and real estate industries. With these additions, the economic census and the separate census of governments and census of agriculture collectively covered roughly 98 percent of all economic activity.

Printed statistical reports from the 1992 and earlier censuses provide historical figures for the study of long-term time series and are available in some large libraries. All of the census reports printed since 1967 are still available for sale on microfiche from the Census Bureau. CD-ROMs issued from the 1987 and 1992 Economic Censuses contain databases including nearly all data published in print, plus additional statistics, such as ZIP Code statistics, published only on CD-ROM.

SOURCES FOR MORE INFORMATION

More information about the scope, coverage, classification system, data items, and publications for each of the economic censuses and related surveys is published in the *Guide to the 1997 Economic Census and Related Statistics* at www.census.gov/econguide. More information on the methodology, procedures, and history of the censuses will be published in the *History of the 1997 Economic Census* at www.census.gov/econ/www/history.html.

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used with the 1997 Economic Census data:

A	Standard error of 100 percent or more.
D	Withheld to avoid disclosing data of individual companies; data are included in higher level totals.
F	Exceeds 100 percent because data include establishments with payroll exceeding revenue.
N	Not available or not comparable.
Q	Revenue not collected at this level of detail for multiestablishment firms.
S	Withheld because estimates did not meet publication standards.

V	Represents less than 50 vehicles or .05 percent.
X	Not applicable.
Y	Disclosure withheld because of insufficient coverage of merchandise lines.
Z	Less than half the unit shown.
a	0 to 19 employees.
b	20 to 99 employees.
c	100 to 249 employees.
e	250 to 499 employees.
f	500 to 999 employees.
g	1,000 to 2,499 employees.
h	2,500 to 4,999 employees.
i	5,000 to 9,999 employees.
j	10,000 to 24,999 employees.
k	25,000 to 49,999 employees.
l	50,000 to 99,999 employees.
m	100,000 employees or more.
p	10 to 19 percent estimated.
q	20 to 29 percent estimated.
r	Revised.
s	Sampling error exceeds 40 percent.
nec	Not elsewhere classified.
nsk	Not specified by kind.
–	Represents zero (page image/print only).
(CC)	Consolidated city.
(IC)	Independent city.

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Manufacturing

SCOPE

The 1997 Economic Census – Manufacturing covers all manufacturing establishments with one or more paid employees. Manufacturing is defined as the mechanical, physical, or chemical transformation of materials or substances into new products. The assembly of components into new products is also considered manufacturing, except when it is appropriately classified as construction.

Establishments in the manufacturing sector are often described as plants, factories, or mills and typically use power-driven machines and materials-handling equipment. Also included in the manufacturing sector are some establishments that make products by hand, like custom tailors and the makers of custom draperies. While manufacturers typically do not sell to the public, some establishments like bakeries and candy stores that make products on the premises may be included.

While logging and publishing are no longer in the scope of manufacturing, data for these industries are included in the manufacturing industry reports, but are not included in the manufacturing state, summary, and other reports.

GENERAL

This report, from the 1997 Economic Census – Manufacturing, is one of a series of 480 industry reports and 51 geographic area reports, each of which provides statistics for individual industries or states, respectively. Seven of the industry reports are for industries no longer in the manufacturing sector but are included with manufacturing for the 1997 census year. Also included for this sector are General, Product, and Materials Consumed Summary reports, a special report on Concentration Ratios in Manufacturing, and data files on Location of Manufacturing Plants.

Each industry report presents data for a six-digit North American Industry Classification System (NAICS) industry. A description of the particular NAICS industry may be found in Appendix B. These reports include such statistics as number of establishments, employment, payroll, value added by manufacture, cost of materials consumed, value of shipments, capital expenditures, etc. Explanations of these and other terms may be found in Appendix A. The industry reports also include data for states with 100 employees or more in the industry.

State reports, which include the District of Columbia, present similar statistics at the “all manufacturing” level for each state and its metropolitan areas (MAs) with 250

employees or more, and for counties, consolidated cities, and places with 500 employees or more. The state reports also include six-digit NAICS level data for industries with 100 employees or more in the state.

The General Summary report contains industry and geographic area statistics summarized in one report. It includes higher levels of aggregation than the industry and state reports, as well as revisions to the data made after the release of the industry and state reports.

The Products and Materials Consumed reports summarize the products and materials data published in the industry reports. The Product Summary report also includes data from the Current Industrial Reports (CIR) and a special table with data for products that are primary to more than one industry, which are not in the industry reports.

The Concentration Ratios report publishes data on the percentage of value of shipments accounted for by the 4-, 8-, 20-, and 50-largest companies for each manufacturing industry. Also shown in this report are Hirschmann-Herfindahl Indexes for each industry.

The Location of Manufacturing data files contain statistics on the number of establishments for the three- and six-digit NAICS industry by state, county, place, and ZIP Code by employment-size of the establishment.

GEOGRAPHIC AREAS COVERED

Statistics at the six-digit NAICS industry level are shown for states and the District of Columbia in both the state and industry reports for cells with 100 employees or more.

The state reports also include data at the “all manufacturing” level for a variety of geographies that meet the employment criteria.

Data are available for the metropolitan areas (MAs) with 250 employees or more. The term MA is a general term used to encompass all of the specifically defined metropolitan areas. A consolidated metropolitan statistical area (CMSA) is made up of two or more contiguous primary metropolitan statistical areas (PMSAs) with a combined population of at least 1 million. A PMSA is a subdivision of a CMSA that demonstrates very strong internal economic and social links separate from the ties to other portions of the CMSA. A metropolitan statistical area (MSA) is an integrated economic and social unit with a population of at least 50,000. An MA is made up of one or more counties meeting standards of metropolitan character. In New England, cities and towns, rather than counties, are the

component geographic units. Determination of the MAs was made by the Office of Management and Budget (OMB) as of June 30, 1997. The population estimates were from the 1990 Census of Population or a subsequent special census. When applicable, the make-up of an MA is included in Appendix E. Changes to geographical boundaries are noted in Appendix D.

The state reports include data for counties with 500 employees or more. These are the primary divisions of states, except in Louisiana where they are called parishes and in Alaska where they are called boroughs and census areas. Maryland, Missouri, Nevada, and Virginia have one or more places that are independent of county organizations. These places are treated as counties and places. The counties and places are defined as of January 1, 1997.

The state reports include data for places with 500 employees or more. Places are typically cities, towns, and villages. They may be incorporated municipalities, semi-independent municipalities, special economic urban areas (SEUAs), or other place equivalents.

The state reports also include data for consolidated cities with 500 employees or more. Consolidated cities are made up of separately incorporated municipalities.

COMPARABILITY OF THE 1992 AND 1997 CENSUSES

The adoption of the North American Industry Classification System (NAICS) has had a major impact on the comparability of data between the 1992 and 1997 censuses. Approximately half of the industries in the manufacturing sector of NAICS do not have comparable industries in the Standard Industrial Classification (SIC) system that was used in the past. If industries are not comparable between the two censuses, historic data are not shown. When applicable, Appendix G shows the product class and product comparability between the two systems.

While most of the change affecting the manufacturing sector was change within the sector, some industries left manufacturing and others came into manufacturing. Prominent among those leaving manufacturing are logging and portions of publishing. Prominent among the industries coming into the manufacturing sector are bakeries, candy stores where candy is made on the premises, custom tailors, makers of custom draperies, and tire retreading. Data for the industries coming into manufacturing as well as those leaving manufacturing are included in the manufacturing industry report series for 1997. However, the state and summary reports only include data for industries in the NAICS definition of manufacturing.

Another change resulting from the conversion to NAICS is that data for central administrative offices (CAOs) associated with manufacturing are not included along side the manufacturing data. This change affects data in the state reports and the general summary.

DISCLOSURE

In accordance with Federal law governing census reports (Title 13 of the United States Code), no data are published that would disclose the operations of an individual establishment or company. However, the number of establishments classified in a specific industry or geography is not considered a disclosure, and may be released even when other information is withheld.

The disclosure analysis for the industry statistics files is based on the total value of shipments. When the total value of shipments cannot be shown without disclosing information for individual companies, the complete line is suppressed except for capital expenditures. However, the suppressed data are included in higher-level totals. A separate disclosure analysis is performed for capital expenditures that can be suppressed even though value of shipments data are published.

AVAILABILITY OF MORE FREQUENT ECONOMIC DATA

The Census Bureau conducts the Annual Survey of Manufactures (ASM) in each of the 4 years between the economic censuses. The ASM is a probability-based sample of approximately 58,000 establishments and collects many of the same industry statistics (including employment, payroll, value of shipments, etc.) as the economic census. However, there are selected statistics not included in the ASM. Among these are the number of companies and establishments, detailed product and materials data, and substate geographic data.

In addition to the ASM, the Census Bureau conducts a Current Industrial Reports (CIR) program. The CIR publishes detailed product statistics for selected manufacturing industries at the U.S. level annually and, in some cases, monthly and/or quarterly. For the 1997 Economic Census – Manufacturing, the annual CIR data are included in the Product Summary report.

The Census Bureau also conducts the monthly Manufacturers' Shipments, Inventories, and Orders (M3) program, which publishes detailed statistics for manufacturing industries at the U.S. level.

Table 1. Share of Industry Statistics for Companies Ranked by Value Added: 1997

[Percent. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Company rank group based on value added by manufacture ¹	All employees	Payroll	Production workers			Value added by manufacture	Cost of materials	Value of shipments	Total capital expenditures
			Total	Hours	Wages				
50 largest	11.7	17.3	10.6	11.1	16.8	24.0	22.0	23.0	21.3
51st to 100th largest	4.4	5.3	4.2	4.4	5.2	7.7	8.6	8.2	7.3
101st to 150th largest	3.6	4.2	3.7	3.7	4.4	5.2	4.8	5.0	5.3
151st to 200th largest	2.8	3.0	2.9	3.0	3.3	3.8	4.7	4.3	4.1
201st and larger	77.5	70.2	78.6	77.7	70.4	59.3	59.8	59.6	62.0

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

Note: All percentages are independently rounded and do not necessarily add to 100.

Table 2. Share of Value of Shipments Accounted for by the 4, 8, 20, and 50 Largest Companies in Each of the 3-, 4-, 5-, and 6-Digit NAICS Industries: 1997

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Companies ¹	Value of shipments ² (\$1000)	Percent of value of shipments accounted for by the—				Herfindahl-Herschmann index for 50 largest companies ³
				4 largest companies	8 largest companies	20 largest companies	50 largest companies	
311	Food mfg	21 958	421 737 017	14.3	22.0	34.8	50.8	91.0
3111	Animal food mfg	1 077	27 732 347	23.1	34.7	56.1	73.1	238.8
31111	Animal food mfg	1 077	27 732 347	23.1	34.7	56.1	73.1	238.8
311111	Dog & cat food mfg	129	8 688 239	58.4	80.2	92.4	98.3	1 266.5
311119	Other animal food mfg	962	19 044 108	23.7	36.3	54.5	71.2	240.6
3112	Grain & oilseed milling	534	52 075 763	45.3	59.1	77.1	89.1	711.4
31121	Flour milling & malt mfg	324	11 141 876	38.7	51.8	71.4	89.2	485.7
311211	Flour milling	254	8 001 978	48.4	62.5	79.2	93.4	699.6
311212	Rice milling	56	2 364 582	51.8	75.3	92.5	99.8	894.2
311213	Malt mfg	19	775 316	69.0	94.5	100.0	N	1 458.7
31122	Starch & vegetable fats & oils mfg	179	31 835 054	57.7	73.0	88.3	96.9	1 213.5
311221	Wet corn milling	30	8 455 172	71.7	90.3	99.8	100.0	1 507.4
311222	Soybean processing	43	14 036 271	79.6	94.5	99.5	100.0	2 035.4
311223	Other oilseed processing	32	1 720 738	66.6	81.9	98.9	100.0	2 149.2
311225	Fats & oils refining & blending	91	7 622 873	36.7	63.0	89.5	98.8	602.8
31123	Breakfast cereal mfg	48	9 098 833	82.9	93.5	99.2	100.0	2 445.9
311230	Breakfast cereal mfg	48	9 098 833	82.9	93.5	99.2	100.0	2 445.9
3113	Sugar & confectionery product mfg	1 556	24 114 454	41.9	56.4	75.0	86.3	580.3
31131	Sugar mfg	49	7 399 171	64.4	84.0	95.9	100.0	1 452.2
311311	Sugarcane mills	34	1 457 482	56.6	71.4	94.3	100.0	1 158.7
311312	Cane sugar refining	12	3 209 186	98.7	99.9	100.0	N	D
311313	Beet sugar mfg	8	2 732 503	85.0	100.0	N	N	1 997.6
31132	Chocolate & confectionery mfg from cacao beans ..	152	3 755 268	79.5	92.5	97.6	99.0	2 567.1
311320	Chocolate & confectionery mfg from cacao beans	152	3 755 268	79.5	92.5	97.6	99.0	2 567.1
31133	Confectionery mfg from purchased chocolate	796	7 879 752	65.2	75.3	84.2	92.0	1 600.6
311330	Confectionery mfg from purchased chocolate	796	7 879 752	65.2	75.3	84.2	92.0	1 600.6
31134	Nonchocolate confectionery mfg	578	5 080 263	40.7	60.1	78.0	91.0	623.0
311340	Nonchocolate confectionery mfg	578	5 080 263	40.7	60.1	78.0	91.0	623.0
3114	Fruit & vegetable preserving & specialty food mfg	1 394	46 618 107	26.6	35.6	51.8	69.2	253.3
31141	Frozen food mfg	531	19 691 664	31.3	44.6	62.8	79.8	349.5
311411	Frozen fruit, juice, & vegetable mfg	177	9 549 256	34.3	47.4	70.6	90.5	443.7
311412	Frozen specialty food mfg	363	10 142 408	40.2	56.9	74.9	88.6	530.5
31142	Fruit & vegetable canning, pickling, & drying	887	26 926 443	27.9	39.3	58.3	76.7	342.0
311421	Fruit & vegetable canning	661	15 801 279	24.9	38.0	59.7	77.1	259.3
311422	Specialty canning	122	8 051 059	67.2	83.5	96.1	99.5	2 165.1
311423	Dried & dehydrated food mfg	125	3 074 105	30.3	51.1	80.2	96.9	440.8
3115	Dairy product mfg	1 329	58 670 293	16.5	26.0	45.4	64.2	147.0
31151	Dairy product (except frozen) mfg	948	52 812 384	18.1	28.4	48.6	66.7	169.8
311511	Fluid milk mfg	402	21 995 148	21.3	31.0	50.5	72.2	204.6
311512	Creamery butter mfg	32	1 367 548	52.4	73.2	97.3	100.0	889.8
311513	Cheese mfg	399	20 232 146	34.6	50.9	70.6	85.1	524.6
311514	Dry, condensed, & evaporated dairy product mfg	169	9 217 542	47.1	58.6	78.1	94.0	816.9
31152	Ice cream & frozen dessert mfg	409	5 857 909	32.3	48.7	71.1	88.3	444.7
311520	Ice cream & frozen dessert mfg	409	5 857 909	32.3	48.7	71.1	88.3	444.7
3116	Meat product mfg	2 794	112 979 006	35.0	47.5	61.3	72.1	392.6
31161	Animal slaughtering & processing	2 794	112 979 006	35.0	47.5	61.3	72.1	392.6
311611	Animal (except poultry) slaughtering	1 307	54 284 253	57.0	70.8	81.5	89.7	1 069.1
311612	Meat processed from carcasses	1 163	24 260 511	20.4	30.3	45.0	62.0	171.6
311613	Rendering & meat byproduct processing	137	2 556 547	37.4	54.1	75.5	92.6	569.4
311615	Poultry processing	257	31 877 695	40.6	54.0	72.6	90.0	667.7
3117	Seafood product preparation & packaging	731	6 919 210	12.4	20.9	39.1	61.8	104.9
31171	Seafood product preparation & packaging	731	6 919 210	12.4	20.9	39.1	61.8	104.9
311711	Seafood canning	152	862 118	25.9	42.5	71.4	93.4	342.6
311712	Fresh & frozen seafood processing	586	6 057 092	13.6	22.9	42.2	65.8	120.6

See footnotes at end of table.

Table 2. Share of Value of Shipments Accounted for by the 4, 8, 20, and 50 Largest Companies in Each of the 3-, 4-, 5-, and 6-Digit NAICS Industries: 1997—Con.

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NAICS code	Industry group and industry	Companies ¹	Value of shipments ² (\$1000)	Percent of value of shipments accounted for by the—				Herfindahl-Herschmann index for 50 largest companies ³
				4 largest companies	8 largest companies	20 largest companies	50 largest companies	
311	Food mfg—Con.							
3118	Bakeries & tortilla mfg	10 437	43 722 668	28.6	40.1	55.5	68.1	281.2
31181	Bread & bakery product mfg	9 489	25 953 070	33.2	43.6	58.3	69.0	423.4
311811	Retail bakeries	6 906	1 946 153	2.5	3.9	6.7	11.1	3.7
311812	Commercial bakeries	2 401	21 494 992	39.2	51.3	66.0	77.6	593.0
311813	Frozen cakes, pies, & other pastries mfg	223	2 511 925	38.2	49.8	67.3	86.3	552.1
31182	Cookie, cracker, & pasta mfg	767	16 656 299	41.7	53.3	68.4	85.2	602.0
311821	Cookie & cracker mfg	322	9 889 921	59.9	71.9	87.8	95.3	1 383.3
311822	Flour mixes & dough mfg from purchased flour	206	4 999 850	43.7	58.2	77.1	93.6	1 051.4
311823	Dry pasta mfg	249	1 766 528	57.1	74.3	88.0	92.8	1 321.5
31183	Tortilla mfg	217	1 113 299	57.2	64.2	74.7	88.7	1 852.0
311830	Tortilla mfg	217	1 113 299	57.2	64.2	74.7	88.7	1 852.0
3119	Other food mfg	2 493	48 905 169	34.7	42.7	54.4	65.7	366.2
31191	Snack food mfg	466	13 590 607	57.2	63.5	75.8	88.2	1 996.4
311911	Roasted nuts & peanut butter mfg	128	3 933 112	37.5	57.6	79.6	94.9	551.1
311919	Other snack food mfg	340	9 657 495	70.9	76.5	87.5	94.3	D
31192	Coffee & tea mfg	215	7 974 921	52.5	65.6	84.4	95.0	1 028.3
311920	Coffee & tea mfg	215	7 974 921	52.5	65.6	84.4	95.0	1 028.3
31193	Flavoring syrup & concentrate mfg	149	6 590 816	80.7	87.9	93.3	97.9	D
311930	Flavoring syrup & concentrate mfg	149	6 590 816	80.7	87.9	93.3	97.9	D
31194	Seasoning & dressing mfg	525	10 027 200	34.4	46.9	62.9	80.4	395.3
311941	Mayonnaise, dressing, & other prepared sauce mfg	293	5 810 040	40.3	56.5	74.7	91.8	651.0
311942	Spice & extract mfg	241	4 217 160	43.7	53.5	70.1	86.1	798.7
31199	All other food mfg	1 197	10 721 625	19.8	28.1	42.9	60.2	157.9
311991	Perishable prepared food mfg	415	2 730 103	24.3	35.6	54.2	73.5	225.8
311999	All other miscellaneous food mfg	785	7 991 522	23.5	34.6	51.7	70.1	220.3
312	Beverage & tobacco product mfg	2 237	96 971 368	45.1	59.1	72.7	83.7	777.2
3121	Beverage mfg	2 169	60 896 055	40.9	52.1	66.0	79.4	531.5
31211	Soft drink & ice mfg	1 008	32 587 038	45.5	53.6	68.8	82.4	743.3
312111	Soft drink mfg	388	31 376 263	47.2	55.6	70.9	84.8	800.4
312112	Bottled water mfg	109	785 869	51.7	64.4	80.3	94.9	986.6
312113	Ice mfg	514	424 906	24.4	31.3	43.1	60.3	302.3
31212	Breweries	494	18 203 492	89.7	93.4	95.2	96.7	D
312120	Breweries	494	18 203 492	89.7	93.4	95.2	96.7	D
31213	Wineries	637	6 194 564	43.2	59.2	76.6	85.3	837.5
312130	Wineries	637	6 194 564	43.2	59.2	76.6	85.3	837.5
31214	Distilleries	44	3 910 961	59.8	77.0	96.9	100.0	1 075.7
312140	Distilleries	44	3 910 961	59.8	77.0	96.9	100.0	1 075.7
3122	Tobacco mfg	70	36 075 313	83.4	93.3	99.0	99.9	D
31221	Tobacco stemming & redrying	13	3 263 376	83.7	97.8	100.0	N	2 320.2
312210	Tobacco stemming & redrying	13	3 263 376	83.7	97.8	100.0	N	2 320.2
31222	Tobacco product mfg	63	32 811 937	89.0	95.7	99.6	99.9	D
312221	Cigarette mfg	9	29 252 787	98.9	D	100.0	N	D
312229	Other tobacco product mfg	56	3 559 150	62.4	83.5	97.8	99.9	1 846.0
313	Textile mills	3 863	58 707 401	13.8	21.7	35.9	52.9	94.4
3131	Fiber, yarn, & thread mills	358	12 896 617	29.8	42.6	63.4	82.2	344.3
31311	Fiber, yarn, & thread mills	358	12 896 617	29.8	42.6	63.4	82.2	344.3
313111	Yarn spinning mills	229	8 143 185	25.5	40.5	63.9	87.1	294.1
313112	Yarn texturing, throwing, & twisting mills	101	4 231 500	60.3	71.9	87.7	97.8	1 495.3
313113	Thread mills	44	521 932	69.5	83.6	95.8	100.0	1 472.7
3132	Fabric mills	1 796	29 979 595	15.9	23.5	40.7	61.1	122.3
31321	Broadwoven fabric mills	734	18 269 155	23.8	35.4	58.1	80.6	252.1
313210	Broadwoven fabric mills	734	18 269 155	23.8	35.4	58.1	80.6	252.1
31322	Narrow fabric mills & schiffli machine embroidery	478	1 645 969	17.2	27.6	49.6	74.9	167.5
313221	Narrow fabric mills	243	1 409 967	20.1	32.2	57.9	84.5	223.5
313222	Schiffli machine embroidery	235	236 002	26.1	43.2	65.5	83.5	310.1
31323	Nonwoven fabric mills	212	4 367 765	33.8	48.2	68.0	86.2	435.8
313230	Nonwoven fabric mills	212	4 367 765	33.8	48.2	68.0	86.2	435.8
31324	Knit fabric mills	407	5 696 706	28.0	38.2	53.9	72.5	272.6
313241	Weft knit fabric mills	236	3 070 633	31.0	39.7	57.8	81.4	425.3
313249	Other knit fabric & lace mills	181	2 626 073	40.4	54.4	72.2	88.6	592.9
3133	Textile & fabric finishing & fabric coating mills	1 827	15 831 189	17.4	26.3	40.6	54.8	131.3
31331	Textile & fabric finishing mills	1 589	13 697 712	20.2	30.4	46.3	61.2	172.2
313311	Broadwoven fabric finishing mills	1 255	9 294 623	28.0	38.4	51.9	66.2	274.8
313312	Textile & fabric finishing mills	346	4 403 089	29.7	41.6	61.7	79.7	323.9
31332	Fabric coating mills	246	2 133 477	14.8	26.2	49.9	75.3	160.2
313320	Fabric coating mills	246	2 133 477	14.8	26.2	49.9	75.3	160.2

See footnotes at end of table.

Table 2. Share of Value of Shipments Accounted for by the 4, 8, 20, and 50 Largest Companies in Each of the 3-, 4-, 5-, and 6-Digit NAICS Industries: 1997—Con.

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NAICS code	Industry group and industry	Companies ¹	Value of shipments ² (\$1000)	Percent of value of shipments accounted for by the—				Herfindahl-Herschmann index for 50 largest companies ³
				4 largest companies	8 largest companies	20 largest companies	50 largest companies	
314	Textile product mills	7 516	31 051 835	22.8	31.9	45.1	57.0	186.2
3141	Textile furnishings mills	3 080	20 296 040	34.1	47.4	63.4	77.1	396.3
31411	Carpet & rug mills	413	11 492 786	50.7	65.0	81.0	92.9	922.5
314110	Carpet & rug mills	413	11 492 786	50.7	65.0	81.0	92.9	922.5
31412	Curtain & linen mills	2 670	8 803 254	39.7	48.5	61.8	73.6	499.4
314121	Curtain & drapery mills	2 012	1 852 089	26.5	36.3	50.1	64.7	294.8
314129	Other household textile product mills	668	6 951 165	50.0	58.7	72.5	83.2	765.8
3149	Other textile product mills	4 455	10 755 795	10.6	17.1	29.3	41.7	59.1
31491	Textile bag & canvas mills	2 094	2 502 064	7.9	13.8	25.1	40.9	45.1
314911	Textile bag mills	423	972 920	19.1	29.6	50.0	71.0	180.2
314912	Canvas & related product mills	1 673	1 529 144	10.4	17.1	28.4	42.8	56.9
31499	All other textile product mills	2 366	8 253 731	13.8	22.3	38.2	53.1	99.1
314991	Rope, cordage, & twine mills	189	777 091	37.0	51.6	70.8	88.5	464.0
314992	Tire cord & tire fabric mills	15	1 268 662	65.0	94.7	100.0	N	1 361.2
314999	All other miscellaneous textile product mills	2 164	6 207 978	16.3	25.2	36.6	51.0	114.5
315	Apparel mfg.	15 839	68 018 116	17.6	23.2	29.8	38.8	100.6
3151	Apparel knitting mills	1 209	9 600 569	22.7	33.1	48.7	65.6	211.5
31511	Hosiery & sock mills	532	4 562 009	28.6	38.4	56.7	77.7	324.5
315111	Sheer hosiery mills	136	1 658 474	50.9	66.0	88.1	97.3	998.3
315119	Other hosiery & sock mills	399	2 903 535	25.7	37.6	60.8	79.4	269.2
31519	Other apparel knitting mills	683	5 038 560	33.8	47.1	61.4	75.6	459.7
315191	Outerwear knitting mills	645	4 352 532	39.1	52.0	63.6	76.4	583.2
315192	Underwear & nightwear knitting mills	43	686 028	63.0	82.9	98.8	100.0	1 325.0
3152	Cut & sew apparel mfg.	12 487	53 851 513	20.2	26.2	33.3	43.0	136.0
31521	Cut & sew apparel contractors	7 677	5 536 959	7.3	11.2	18.7	27.9	25.8
315211	Men's & boys' cut & sew apparel contractors	636	1 534 022	20.4	29.2	45.2	61.4	176.1
315212	Women's, girls', & infants' cut & sew apparel contractors	7 056	4 002 937	6.3	9.9	16.8	24.6	20.3
31522	Men's & boys' cut & sew apparel mfg.	1 362	21 298 782	37.3	46.2	57.1	70.3	461.9
315221	Men's & boys' cut & sew underwear & nightwear mfg.	62	1 404 202	67.5	84.0	96.3	99.9	1 693.8
315222	Men's & boys' cut & sew suit, coat, & overcoat mfg.	193	2 082 863	42.0	55.5	75.1	92.0	845.7
315223	Men's & boys' cut & sew shirt (exc work shirt) mfg.	387	6 916 178	42.9	55.4	71.9	85.6	659.3
315224	Men's & boys' cut & sew trouser, slack, & jean mfg.	199	7 152 379	68.9	76.4	87.2	95.4	2 253.8
315225	Men's & boys' cut & sew work clothing mfg.	149	1 865 304	46.6	62.3	81.8	95.3	851.0
315228	Men's & boys' cut & sew other outerwear mfg.	430	1 877 856	20.3	32.0	52.6	73.8	202.4
31523	Women's & girls' cut & sew apparel mfg.	2 927	24 832 784	13.1	19.2	31.1	44.3	76.1
315231	Women's & girls' cut/sew lingerie & nightwear mfg.	249	3 910 357	42.8	58.1	75.4	90.2	589.4
315232	Women's & girls' cut & sew blouse & shirt mfg.	714	3 995 123	12.6	22.1	42.0	66.8	120.3
315233	Women's & girls' cut & sew dress mfg.	747	5 009 262	14.2	23.7	39.4	60.4	111.3
315234	Women's & girls' cut & sew suit, coat, skirt mfg.	428	3 759 250	31.9	41.0	57.2	76.3	333.3
315239	Women's & girls' cut & sew other outerwear mfg.	818	8 158 792	22.3	36.9	56.3	75.4	229.3
31529	Other cut & sew apparel mfg.	665	2 182 988	26.3	36.6	56.0	73.4	290.8
315291	Infants' cut & sew apparel mfg.	39	945 119	60.9	79.5	98.0	100.0	1 300.1
315292	Fur & leather apparel mfg.	224	244 687	22.6	34.8	54.0	74.1	221.2
315299	All other cut & sew apparel mfg.	402	993 182	22.5	37.3	56.2	74.7	226.3
3159	Apparel accessories & other apparel mfg.	2 201	4 566 034	14.2	23.0	39.2	53.9	107.8
31599	Apparel accessories & other apparel mfg.	2 201	4 566 034	14.2	23.0	39.2	53.9	107.8
315991	Hat, cap, & millinery mfg.	363	980 704	36.0	46.6	61.3	77.8	398.3
315992	Glove & mitten mfg.	98	672 639	63.8	73.0	85.4	97.1	1 691.4
315993	Men's & boys' neckwear mfg.	119	598 457	48.2	62.0	79.4	93.8	751.3
315999	Other apparel accessories & other apparel mfg.	1 626	2 314 234	19.0	28.5	44.1	58.5	144.9
316	Leather & allied product mfg.	1 727	10 876 510	19.0	31.4	48.5	65.0	167.2
3161	Leather & hide tanning & finishing	327	3 576 657	49.1	66.5	79.9	91.5	741.5
31611	Leather & hide tanning & finishing	327	3 576 657	49.1	66.5	79.9	91.5	741.5
316110	Leather & hide tanning & finishing	327	3 576 657	49.1	66.5	79.9	91.5	741.5
3162	Footwear mfg.	366	4 210 975	27.7	42.4	65.0	84.3	317.0
31621	Footwear mfg.	366	4 210 975	27.7	42.4	65.0	84.3	317.0
316211	Rubber & plastics footwear mfg.	50	1 009 838	54.6	69.1	92.9	100.0	1 079.4
316212	House slipper mfg.	22	263 816	82.5	95.8	D	100.0	2 053.4
316213	Men's footwear (except athletic) mfg.	123	2 019 647	49.7	67.7	89.7	98.7	857.2
316214	Women's footwear (except athletic) mfg.	97	703 653	49.5	65.8	88.5	98.6	794.8
316219	Other footwear mfg.	87	214 021	32.6	54.3	81.7	96.9	469.1
3169	Other leather & allied product mfg.	1 045	3 088 878	26.5	35.3	49.5	66.7	354.3
31699	Other leather & allied product mfg.	1 045	3 088 878	26.5	35.3	49.5	66.7	354.3
316991	Luggage mfg.	270	1 425 871	51.9	62.4	75.0	86.8	1 418.6
316992	Women's handbag & purse mfg.	136	287 341	58.6	71.3	86.4	95.8	1 521.4
316993	Personal leather good (except women's handbag & purse) mfg.	178	465 206	42.2	56.6	79.8	93.1	841.0
316999	All other leather good mfg.	464	910 460	24.9	38.6	62.3	79.3	270.2
321	Wood product mfg.	15 621	88 470 180	10.5	16.7	26.4	37.8	52.7
3211	Sawmills & wood preservation	4 372	29 093 601	14.5	20.1	31.4	44.4	86.7
32111	Sawmills & wood preservation	4 372	29 093 601	14.5	20.1	31.4	44.4	86.7
321113	Sawmills	4 024	24 632 080	16.8	23.2	35.9	48.1	112.3
321114	Wood preservation	361	4 461 521	19.7	30.7	50.0	73.8	188.2
3212	Veneer, plywood, & engineered wood product mfg.	1 491	18 815 394	26.9	40.8	53.4	64.9	286.9
32121	Veneer, plywood, & engineered wood product mfg.	1 491	18 815 394	26.9	40.8	53.4	64.9	286.9
321211	Hardwood veneer & plywood mfg.	303	2 861 556	30.5	40.5	55.7	74.3	430.4
321212	Softwood veneer & plywood mfg.	88	5 658 347	48.8	68.1	86.4	98.7	914.9
321213	Engineered wood member (except truss) mfg.	32	1 431 123	77.1	86.9	96.6	100.0	2 453.5
321214	Truss mfg.	886	3 610 943	8.8	13.4	22.9	39.5	42.4
321219	Reconstituted wood product mfg.	212	5 253 425	42.9	58.1	76.1	91.3	592.3

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321	Wood product mfg—Con.							
3219	Other wood product mfg	9 923	40 561 185	12.7	18.6	29.3	40.3	66.8
32191	Millwork	3 985	19 040 942	16.1	24.2	35.1	46.1	100.9
321911	Wood window & door mfg	1 311	8 673 423	30.9	43.6	56.6	69.4	332.2
321912	Cut stock, resawing lumber, & planing	1 296	5 925 115	19.5	24.6	35.7	53.5	197.3
321918	Other millwork (including flooring)	1 416	4 442 404	19.8	25.8	37.7	52.6	153.2
32192	Wood container & pallet mfg	2 870	4 489 070	5.8	8.8	14.1	22.7	15.9
321920	Wood container & pallet mfg	2 870	4 489 070	5.8	8.8	14.1	22.7	15.9
32199	All other wood product mfg	3 103	17 031 173	26.3	36.0	50.1	62.0	257.9
321991	Manufactured home (mobile home) mfg	145	10 085 615	44.3	60.2	80.9	92.3	708.3
321992	Prefabricated wood building mfg	652	3 028 520	17.1	25.0	38.3	58.2	119.3
321999	All other miscellaneous wood product mfg	2 309	3 917 038	19.3	23.9	32.7	44.4	141.2
322	Paper mfg	3 808	150 295 890	18.5	31.1	51.0	67.0	173.3
3221	Pulp, paper, & paperboard mills	217	71 539 224	28.0	45.7	71.5	89.4	356.0
32211	Pulp mills	24	3 263 973	58.6	85.6	99.5	100.0	1 106.4
322110	Pulp mills	24	3 263 973	58.6	85.6	99.5	100.0	1 106.4
32212	Paper mills	139	48 161 554	33.6	54.6	79.7	93.8	467.2
322121	Paper (except newsprint) mills	121	42 966 163	37.6	59.2	83.9	96.1	541.7
322122	Newsprint mills	24	5 195 391	43.9	68.2	98.4	100.0	766.0
32213	Paperboard mills	81	20 113 697	33.6	53.2	82.2	98.3	485.1
322130	Paperboard mills	81	20 113 697	33.6	53.2	82.2	98.3	485.1
3222	Converted paper product mfg	3 674	78 756 666	12.0	21.5	39.5	54.8	96.2
32221	Paperboard container mfg	1 705	39 973 012	19.2	32.6	50.0	65.6	175.8
322211	Corrugated & solid fiber box mfg	995	25 555 136	25.8	42.4	59.1	71.4	277.0
322212	Folding paperboard box mfg	434	8 929 351	24.5	38.3	57.7	73.2	245.8
322213	Setup paperboard box mfg	142	512 314	17.2	27.3	46.9	75.8	165.8
322214	Fiber can, tube, drum, & similar products mfg	138	2 305 281	68.2	76.8	86.0	93.9	2 585.7
322215	Nonfolding sanitary food container mfg	46	2 670 930	62.2	79.9	97.9	100.0	1 197.9
32222	Paper bag & coated & treated paper mfg	764	19 367 269	27.1	35.3	50.7	67.9	266.7
322221	Coated & laminated packaging paper & plastics film mfg	73	1 491 170	38.1	58.8	85.6	99.3	574.8
322222	Coated & laminated paper mfg	509	11 845 958	40.5	49.0	62.2	78.7	593.9
322223	Plastics, foil, & coated paper bag mfg	40	493 924	42.4	66.4	94.3	100.0	699.4
322224	Uncoated paper & multiwall bag mfg	93	2 794 934	53.7	68.7	86.8	97.6	1 033.1
322225	Laminated aluminum foil mfg for flexible packaging uses	34	1 587 850	58.7	78.2	95.1	100.0	1 097.5
322226	Surface-coated paperboard mfg	42	1 153 433	51.5	74.8	94.5	100.0	920.5
32223	Stationery product mfg	674	7 734 912	27.5	42.0	60.9	76.3	296.9
322231	Die-cut paper & paperboard office supplies mfg ..	337	2 105 012	44.4	58.9	73.8	84.3	642.0
322232	Envelope mfg	188	3 655 270	40.9	56.4	71.6	87.3	564.5
322233	Stationery, tablet, & related product mfg	158	1 974 630	55.9	71.4	88.5	96.4	1 127.5
32229	Other converted paper product mfg	623	11 681 473	42.3	52.5	68.6	80.1	688.1
322291	Sanitary paper product mfg	99	7 833 607	63.1	76.8	92.2	98.8	1 481.0
322299	All other converted paper product mfg	529	3 847 866	23.0	31.7	44.2	61.2	187.0
323	Printing & related support activities	40 987	97 485 138	9.6	14.0	21.1	28.1	38.4
3231	Printing & related support activities	40 987	97 485 138	9.6	14.0	21.1	28.1	38.4
32311	Printing	36 617	90 564 648	10.1	14.8	22.4	29.7	43.3
323110	Commercial lithographic printing	18 015	50 027 462	11.1	16.1	23.2	30.4	46.7
323111	Commercial gravure printing	419	3 892 449	56.9	67.3	82.9	93.7	1 292.3
323112	Commercial flexographic printing	864	4 675 493	14.6	22.1	36.2	54.0	97.0
323113	Commercial screen printing	4 096	6 622 326	8.2	13.0	22.2	33.5	34.6
323114	Quick printing	7 990	4 147 172	9.6	11.4	14.9	20.5	27.1
323115	Digital printing	386	405 679	10.1	17.2	32.6	53.5	75.5
323116	Manifold business form printing	719	9 516 072	32.6	47.9	63.9	76.7	396.2
323117	Book printing	690	5 517 171	31.9	45.1	59.3	73.9	363.7
323118	Blankbook, looseleaf binder, & device mfg	283	2 540 799	43.4	56.2	70.3	82.5	650.0
323119	Other commercial printing	3 387	3 220 025	12.5	17.7	27.6	38.8	67.4
32312	Support activities for printing	4 448	6 920 490	6.3	11.5	20.0	30.2	26.7
323121	Tradebinding & related work	1 260	1 946 867	13.8	20.6	30.0	43.2	78.1
323122	Prepress services	3 191	4 973 623	8.5	15.0	24.3	36.1	41.4
324	Petroleum & coal products mfg	1 166	177 393 098	26.0	44.2	74.4	89.8	350.0
3241	Petroleum & coal products mfg	1 166	177 393 098	26.0	44.2	74.4	89.8	350.0
32411	Petroleum refineries	122	158 667 598	28.5	48.6	81.6	97.6	422.1
324110	Petroleum refineries	122	158 667 598	28.5	48.6	81.6	97.6	422.1
32412	Asphalt paving, roofing, & saturated materials mfg ..	674	10 981 761	22.8	33.2	48.2	63.7	204.6
324121	Asphalt paving mixture & block mfg	531	5 887 180	17.3	25.6	39.5	56.9	124.6
324122	Asphalt shingle & coating materials mfg	151	5 094 581	47.2	63.8	82.2	94.8	772.7
32419	Other petroleum & coal products mfg	403	7 743 739	26.8	37.6	57.1	77.3	300.9
324191	Petroleum lubricating oil & grease mfg	344	6 070 406	34.2	45.4	64.1	80.0	434.0
324199	All other petroleum & coal products mfg	61	1 673 333	39.9	65.6	90.7	99.7	644.1
325	Chemical mfg	9 626	415 616 508	11.9	18.2	32.7	50.8	76.6
3251	Basic chemical mfg	1 203	113 356 912	15.6	28.7	49.1	69.6	156.4
32511	Petrochemical mfg	42	19 468 615	59.8	83.3	98.0	100.0	1 187.0
325110	Petrochemical mfg	42	19 468 615	59.8	83.3	98.0	100.0	1 187.0
32512	Industrial gas mfg	119	5 416 308	64.1	84.9	95.8	98.8	1 224.7
325120	Industrial gas mfg	119	5 416 308	64.1	84.9	95.8	98.8	1 224.7
32513	Dye & pigment mfg	152	6 438 366	43.7	56.4	76.1	93.6	748.7
325131	Inorganic dye & pigment mfg	59	3 745 010	66.8	79.4	95.0	99.9	1 848.3
325132	Synthetic organic dye & pigment mfg	95	2 693 356	42.0	58.8	83.1	97.2	699.5
32518	Other basic inorganic chemical mfg	409	20 731 059	30.1	40.7	60.9	80.9	336.4
325181	Alkalies & chlorine mfg	26	2 465 183	79.7	92.3	99.8	100.0	2 870.1
325182	Carbon black mfg	8	990 391	D	100.0	N	N	2 075.1
325188	All other basic inorganic chemical mfg	385	17 275 485	31.1	41.6	62.7	81.8	394.4

See footnotes at end of table.

Table 2. Share of Value of Shipments Accounted for by the 4, 8, 20, and 50 Largest Companies in Each of the 3-, 4-, 5-, and 6-Digit NAICS Industries: 1997—Con.

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NAICS code	Industry group and industry	Companies ¹	Value of shipments ² (\$1000)	Percent of value of shipments accounted for by the—				Herfindahl-Herschmann index for 50 largest companies ³
				4 largest companies	8 largest companies	20 largest companies	50 largest companies	
325	Chemical mfg—Con.							
3251	Basic chemical mfg—Con.							
32519	Other basic organic chemical mfg	581	61 302 564	22.7	36.7	55.1	77.5	227.7
325191	Gum & wood chemical mfg	45	814 676	74.6	92.2	98.6	100.0	1 707.4
325192	Cyclic crude & intermediate mfg	36	6 861 138	61.7	79.4	98.2	100.0	1 701.2
325193	Ethyl alcohol mfg	31	1 222 166	63.1	82.9	98.5	100.0	1 225.3
325199	All other basic organic chemical mfg	487	52 404 584	25.3	38.3	56.8	79.6	256.4
3252	Resin, syn rubber, & artificial & syn fibers & filaments mfg	469	64 417 772	26.7	37.7	60.1	84.6	312.9
32521	Resin & synthetic rubber mfg	406	51 379 595	24.8	37.4	60.9	86.3	277.3
325211	Plastics material & resin mfg	299	45 225 887	25.6	39.0	64.2	89.0	304.1
325212	Synthetic rubber mfg	122	6 153 708	39.0	61.8	93.1	98.8	618.2
32522	Artificial & synthetic fibers & filaments mfg	70	13 038 177	69.0	85.1	96.9	99.9	1 588.6
325221	Cellulosic organic fiber mfg	4	1 096 983	100.0	N	N	N	D
325222	Noncellulosic organic fiber mfg	67	11 941 194	69.1	86.6	97.6	99.9	1 708.4
3253	Pesticide, fertilizer, & other agricultural chemical mfg .	692	24 176 999	27.4	45.8	70.6	85.8	342.3
32531	Fertilizer mfg	477	12 759 745	39.8	55.1	74.8	87.5	566.9
325311	Nitrogenous fertilizer mfg	116	3 961 254	54.2	75.9	94.2	98.7	902.6
325312	Phosphatic fertilizer mfg	43	5 474 672	70.5	88.1	99.1	100.0	1 675.3
325314	Fertilizer (mixing only) mfg	334	3 323 819	26.3	40.8	57.5	74.2	285.7
32532	Pesticide & other agricultural chemical mfg	222	11 417 254	48.8	73.0	89.1	96.2	811.2
325320	Pesticide & other agricultural chemical mfg	222	11 417 254	48.8	73.0	89.1	96.2	811.2
3254	Pharmaceutical & medicine mfg	1 428	92 932 786	32.3	47.9	66.6	82.5	446.3
32541	Pharmaceutical & medicine mfg	1 428	92 932 786	32.3	47.9	66.6	82.5	446.3
325411	Medicinal & botanical mfg	312	11 888 455	61.5	72.9	84.6	93.3	2 058.7
325412	Pharmaceutical preparation mfg	707	66 734 737	35.6	50.1	71.4	88.5	462.4
325413	In-vitro diagnostic substance mfg	203	8 682 377	62.5	75.9	86.6	94.6	1 685.1
325414	Biological product (except diagnostic) mfg	267	5 627 217	42.9	64.0	82.9	93.8	680.2
3255	Paint, coating, & adhesive mfg	1 724	26 369 629	23.6	35.5	52.2	66.3	220.1
32551	Paint & coating mfg	1 205	19 057 194	32.0	47.0	63.9	75.1	371.2
325510	Paint & coating mfg	1 205	19 057 194	32.0	47.0	63.9	75.1	371.2
32552	Adhesive mfg	540	7 312 435	22.3	32.6	50.5	72.1	217.2
325520	Adhesive mfg	540	7 312 435	22.3	32.6	50.5	72.1	217.2
3256	Soap, cleaning compound, & toilet preparation mfg...	2 251	55 141 340	33.7	45.7	63.2	74.9	495.4
32561	Soap & cleaning compound mfg	1 583	30 928 488	40.7	55.1	68.1	78.0	625.9
325611	Soap & other detergent mfg	738	17 772 851	65.6	77.9	85.3	90.6	1 618.6
325612	Polish & other sanitation good mfg	675	8 369 554	55.1	60.7	71.2	83.2	1 090.5
325613	Surface active agent mfg	183	4 786 083	34.3	47.6	69.9	89.1	416.1
32562	Toilet preparation mfg	681	24 212 852	38.6	58.4	74.8	86.6	564.2
325620	Toilet preparation mfg	681	24 212 852	38.6	58.4	74.8	86.6	564.2
3259	Other chemical product mfg	2 287	39 221 070	25.4	32.1	44.5	59.2	378.4
32591	Printing ink mfg	255	4 076 500	55.4	63.1	75.5	88.2	1 227.4
325910	Printing ink mfg	255	4 076 500	55.4	63.1	75.5	88.2	1 227.4
32592	Explosives mfg	66	1 447 274	45.3	68.6	91.1	99.8	726.7
325920	Explosives mfg	66	1 447 274	45.3	68.6	91.1	99.8	726.7
32599	All other chemical product & preparation mfg	1 973	33 697 296	28.0	35.1	47.5	63.0	493.9
325991	Custom compounding of purchased resin	728	7 960 246	14.9	25.2	45.0	67.1	137.2
325992	Photographic film, paper, plate, & chemical mfg ..	276	12 918 747	69.7	83.0	92.9	98.1	D
325998	All other miscellaneous chemical product & preparation mfg	985	12 818 303	19.6	28.6	46.1	63.3	158.8
326	Plastics & rubber products mfg	13 798	159 161 346	8.2	11.4	18.3	28.7	30.2
3261	Plastics product mfg	11 613	124 445 374	3.9	6.9	14.1	24.4	14.1
32611	Unsupported plastics film, sheet, & bag mfg	1 250	24 624 844	13.1	23.0	39.3	56.8	103.5
326111	Unsupported plastics bag mfg	440	7 300 237	24.7	35.9	52.9	70.1	236.4
326112	Unsupported plastics packaging film & sheet mfg	131	3 638 911	52.1	62.7	76.4	91.9	818.6
326113	Unsupported plastics film & sheet (except packaging) mfg	713	13 685 696	17.6	27.7	46.1	66.1	149.2
32612	Plastics pipe, pipe fitting, & unsupported profile shape mfg	1 048	9 228 294	15.8	24.9	41.9	59.5	121.0
326121	Unsupported plastics profile shape mfg	733	4 436 148	25.5	34.8	50.3	65.3	234.5
326122	Plastics pipe & pipe fitting mfg	317	4 792 146	23.9	37.4	59.8	78.8	260.2
32613	Laminated plastics plate, sheet, & shape mfg	438	3 195 293	36.0	53.2	74.3	87.1	523.9
326130	Laminated plastics plate, sheet, & shape mfg	438	3 195 293	36.0	53.2	74.3	87.1	523.9
32614	Polystyrene foam product mfg	379	4 899 240	41.4	50.0	65.5	82.7	665.4
326140	Polystyrene foam product mfg	379	4 899 240	41.4	50.0	65.5	82.7	665.4
32615	Urethane & other foam product (except polystyrene) mfg	447	6 664 656	32.3	43.5	62.9	78.8	403.1
326150	Urethane & other foam product (except polystyrene) mfg	447	6 664 656	32.3	43.5	62.9	78.8	403.1
32616	Plastics bottle mfg	245	6 335 218	32.7	51.8	72.9	88.2	425.0
326160	Plastics bottle mfg	245	6 335 218	32.7	51.8	72.9	88.2	425.0
32619	Other plastics product mfg	8 077	69 497 829	5.1	8.2	14.4	24.0	15.6
326191	Plastics plumbing fixture mfg	539	2 181 207	34.9	44.6	58.8	74.8	396.2
326192	Resilient floor covering mfg	28	1 684 216	86.9	98.9	99.9	100.0	2 983.5
326199	All other plastics product mfg	7 522	65 632 406	5.0	8.1	13.9	23.3	14.9

See footnotes at end of table.

Table 2. Share of Value of Shipments Accounted for by the 4, 8, 20, and 50 Largest Companies in Each of the 3-, 4-, 5-, and 6-Digit NAICS Industries: 1997—Con.

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NAICS code	Industry group and industry	Companies ¹	Value of shipments ² (\$1000)	Percent of value of shipments accounted for by the—				Herfindahl-Herschmann index for 50 largest companies ³
				4 largest companies	8 largest companies	20 largest companies	50 largest companies	
326	Plastics & rubber products mfg—Con.							
3262	Rubber product mfg	2 271	34 715 972	36.8	46.4	57.8	68.4	444.8
32621	Tire mfg	736	15 699 140	68.4	85.8	93.0	96.4	1 517.8
326211	Tire mfg (except retreading)	110	14 728 525	72.4	90.8	98.0	99.8	1 690.3
326212	Tire retreading	628	970 615	25.5	36.5	50.1	64.5	260.6
32622	Rubber & plastics hoses & belting mfg	149	4 025 238	49.3	61.9	80.2	94.9	786.1
326220	Rubber & plastics hoses & belting mfg	149	4 025 238	49.3	61.9	80.2	94.9	786.1
32629	Other rubber product mfg	1 408	14 991 594	12.1	20.4	34.4	51.6	82.5
326291	Rubber product mfg for mechanical use	608	6 668 381	19.2	28.8	45.7	67.6	166.3
326299	All other rubber product mfg	827	8 323 213	17.5	27.5	43.2	60.8	139.7
327	Nonmetallic mineral product mfg	11 921	86 464 708	9.1	16.4	27.7	41.5	52.1
3271	Clay product & refractory mfg	1 715	9 107 840	13.5	22.5	40.1	60.4	108.5
32711	Pottery, ceramics, & plumbing fixture mfg	1 204	3 992 979	21.8	33.7	51.6	71.8	210.7
327111	Vitreous china plumbing fixture & bathroom accessories mfg	43	1 109 995	63.8	87.2	99.1	100.0	1 456.7
327112	Vitreous china, fine earthenware, & other pottery product mfg	1 034	1 715 783	24.7	35.9	54.0	70.9	244.8
327113	Porcelain electrical supply mfg	131	1 167 201	32.4	48.5	73.3	93.2	487.5
32712	Clay building material & refractories mfg	519	5 114 861	20.8	33.4	56.0	75.6	215.5
327121	Brick & structural clay tile mfg	127	1 411 833	40.4	58.3	73.9	92.2	549.9
327122	Ceramic wall & floor tile mfg	157	851 405	58.5	75.6	91.3	97.4	1 309.4
327123	Other structural clay product mfg	48	117 376	44.0	68.7	95.2	100.0	827.2
327124	Clay refractory mfg	115	1 115 939	39.9	54.7	75.2	93.2	575.1
327125	Nonclay refractory mfg	91	1 618 308	41.2	60.5	85.9	98.1	603.3
3272	Glass & glass product mfg	1 996	22 732 942	31.0	46.3	68.3	84.2	359.0
32721	Glass & glass product mfg	1 996	22 732 942	31.0	46.3	68.3	84.2	359.0
327211	Flat glass mfg	13	2 795 507	77.4	99.5	100.0	N	1 828.9
327212	Other pressed & blown glass & glassware mfg	465	6 094 602	48.2	68.8	90.9	96.6	760.5
327213	Glass container mfg	11	4 198 122	91.1	98.0	100.0	N	2 959.9
327215	Glass product mfg made of purchased glass	1 522	9 644 711	28.8	45.2	64.4	77.1	366.3
3273	Cement & concrete product mfg	5 930	34 591 507	8.3	14.4	25.0	35.8	40.7
32731	Cement mfg	176	6 531 747	33.5	52.0	78.7	96.9	466.6
327310	Cement mfg	176	6 531 747	33.5	52.0	78.7	96.9	466.6
32732	Ready-mix concrete mfg	2 888	17 219 886	7.0	11.1	20.0	33.0	29.4
327320	Ready-mix concrete mfg	2 888	17 219 886	7.0	11.1	20.0	33.0	29.4
32733	Concrete pipe, brick, & block mfg	955	4 852 512	16.4	22.0	31.9	45.3	96.7
327331	Concrete block & brick mfg	708	2 844 076	12.5	17.7	28.1	43.4	69.8
327332	Concrete pipe mfg	264	2 008 436	26.4	37.3	55.4	73.9	290.6
32739	Other concrete product mfg	2 079	5 987 362	10.0	15.8	26.7	41.8	52.6
327390	Other concrete product mfg	2 079	5 987 362	10.0	15.8	26.7	41.8	52.6
3274	Lime & gypsum product mfg	230	5 533 623	54.0	65.4	81.5	95.3	1 000.8
32741	Lime mfg	46	1 168 450	44.9	65.1	88.5	100.0	719.4
327410	Lime mfg	46	1 168 450	44.9	65.1	88.5	100.0	719.4
32742	Gypsum product mfg	185	4 365 173	68.4	79.1	93.4	97.9	1 557.2
327420	Gypsum product mfg	185	4 365 173	68.4	79.1	93.4	97.9	1 557.2
3279	Other nonmetallic mineral product mfg	2 159	14 498 796	33.4	42.2	50.7	61.3	333.3
32791	Abrasive product mfg	319	4 660 043	60.4	65.3	74.0	84.2	1 691.7
327910	Abrasive product mfg	319	4 660 043	60.4	65.3	74.0	84.2	1 691.7
32799	All other nonmetallic mineral product mfg	1 849	9 838 753	28.6	37.8	48.0	61.4	277.2
327991	Cut stone & stone product mfg	1 004	1 244 735	19.2	23.6	33.0	46.3	153.2
327992	Ground or treated mineral & earth mfg	261	2 362 480	27.0	38.0	59.2	80.5	369.5
327993	Mineral wool mfg	201	4 422 507	62.0	75.5	86.1	95.3	1 203.6
327999	All other miscellaneous nonmetallic mineral product mfg	404	1 809 031	17.5	28.0	47.0	67.1	155.2
331	Primary metal mfg	4 076	168 117 728	13.8	22.3	37.3	54.1	97.4
3311	Iron & steel mills & ferroalloy mfg	209	58 383 159	31.9	51.4	73.0	91.8	424.7
33111	Iron & steel mills & ferroalloy mfg	209	58 383 159	31.9	51.4	73.0	91.8	424.7
331111	Iron & steel mills	191	56 994 468	32.7	52.7	74.8	93.6	445.3
331112	Electrometallurgical ferroalloy product mfg	19	1 388 691	60.6	82.4	100.0	N	1 122.8
3312	Steel product mfg from purchased steel	503	18 516 877	16.7	25.6	40.5	62.0	126.6
33121	Iron & steel pipes & tubes mfg from purchased steel	166	7 450 132	19.5	29.7	51.6	81.7	199.6
331210	Iron & steel pipes & tubes mfg from purchased steel	166	7 450 132	19.5	29.7	51.6	81.7	199.6
33122	Rolling & drawing of purchased steel	346	11 066 745	24.8	35.1	54.9	76.0	240.4
331221	Cold-rolled steel shape mfg	153	6 239 017	44.0	60.0	80.6	96.3	630.5
331222	Steel wire drawing	199	4 827 728	21.3	35.6	56.0	79.7	223.2
3313	Alumina & aluminum production & processing	248	32 550 279	48.0	64.0	79.1	89.1	816.3
33131	Alumina & aluminum production & processing	248	32 550 279	48.0	64.0	79.1	89.1	816.3
331311	Alumina refining	5	1 219 057	D	100.0	N	N	D
331312	Primary aluminum production	13	6 224 610	59.2	81.7	100.0	N	1 230.6
331314	Secondary smelting & alloying of aluminum	87	3 595 436	40.7	53.7	76.0	94.3	629.6
331315	Aluminum sheet, plate, & foil mfg	41	13 708 307	65.0	85.4	97.9	100.0	1 447.0
331316	Aluminum extruded product mfg	105	6 177 701	44.5	58.9	75.2	91.1	680.0
331319	Other aluminum rolling & drawing	30	1 625 168	62.7	79.4	98.4	100.0	1 162.8

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				4 largest companies	8 largest companies	20 largest companies	50 largest companies	
331	Primary metal mfg—Con.							
3314	Nonferrous metal (except aluminum) production & processing	698	29 616 370	24.3	34.7	52.8	71.8	242.6
33141	Nonferrous metal (except aluminum) smelting & refining	134	9 530 263	64.1	74.7	89.1	98.2	1 178.4
331411	Primary smelting & refining of copper	9	6 128 370	94.5	D	100.0	N	2 392.3
331419	Other nonferrous metal primary smelting & refining	127	3 401 893	32.7	49.6	77.9	96.5	431.3
33142	Copper rolling, drawing, extruding, & alloying	154	9 800 616	30.0	50.2	75.1	92.5	404.5
331421	Copper rolling, drawing, & extruding	91	7 619 953	37.4	62.8	88.7	99.1	598.8
331422	Copper wire (except mechanical) drawing	33	983 284	48.5	69.7	94.7	100.0	851.8
331423	Secondary smelting, refining, & alloying of copper	34	1 197 379	50.5	73.4	93.1	100.0	986.2
33149	Other nonferrous metal rolling, drawing, extruding, & alloying	440	10 285 491	20.2	30.8	51.0	73.0	190.0
331491	Other nonferrous metal rolling, drawing, & extruding	220	7 057 705	28.1	43.6	66.4	86.1	325.9
331492	Other nonferrous metal secondary smelting, refining, & alloying	233	3 227 786	22.0	37.4	58.8	82.7	244.8
3315	Foundries	2 521	29 051 043	13.4	21.1	34.9	49.4	93.6
33151	Ferrous metal foundries	986	17 428 045	18.2	30.3	48.4	68.3	176.4
331511	Iron foundries	602	12 187 267	25.1	40.1	60.0	76.3	292.1
331512	Steel investment foundries	145	2 341 737	48.1	61.4	77.1	90.9	795.3
331513	Steel foundries (except investment)	263	2 899 041	28.6	38.9	62.2	83.7	337.5
33152	Nonferrous metal foundries	1 559	11 622 998	12.2	19.7	32.3	48.6	74.8
331521	Aluminum die-casting foundries	291	3 843 845	25.7	37.2	55.1	77.0	258.3
331522	Nonferrous (except aluminum) die-casting foundries	267	1 998 772	18.0	28.4	49.4	74.5	170.6
331524	Aluminum foundries (except die-casting)	592	3 916 527	19.3	30.9	51.6	71.4	183.0
331525	Copper foundries (except die-casting)	301	846 578	13.4	23.0	42.7	68.3	127.7
331528	Other nonferrous foundries (except die-casting) ..	136	1 017 276	71.2	78.3	88.5	96.8	2 147.9
332	Fabricated metal product mfg	58 516	242 813 453	3.5	5.8	10.9	18.0	8.5
3321	Forging & stamping	3 026	24 375 589	7.9	12.0	19.4	30.5	29.2
33211	Forging & stamping	3 026	24 375 589	7.9	12.0	19.4	30.5	29.2
332111	Iron & steel forging	390	4 869 727	24.2	33.5	50.6	72.9	237.4
332112	Nonferrous forging	75	1 838 385	47.4	65.8	88.2	99.1	990.5
332114	Custom roll forming	360	3 301 907	28.4	37.7	54.8	73.1	387.5
332115	Crown & closure mfg	55	953 864	58.2	77.9	93.2	99.9	1 119.7
332116	Metal stamping	2 051	12 078 985	7.6	11.3	18.1	29.3	27.7
332117	Powder metallurgy part mfg	114	1 332 721	28.7	45.1	68.3	90.9	355.4
3322	Cutlery & handtool mfg	1 545	11 475 344	18.3	28.2	45.3	64.0	157.0
33221	Cutlery & handtool mfg	1 545	11 475 344	18.3	28.2	45.3	64.0	157.0
332211	Cutlery & flatware (except precious) mfg	163	2 013 256	64.6	75.2	88.1	96.7	1 990.3
332212	Hand & edge tool mfg	1 164	6 713 485	21.4	31.3	48.6	66.2	182.0
332213	Saw blade & handsaw mfg	166	1 447 890	39.6	53.6	79.6	93.7	609.4
332214	Kitchen utensil, pot, & pan mfg	69	1 300 713	57.8	80.7	93.0	99.6	1 203.3
3323	Architectural & structural metals mfg	11 649	53 547 213	4.4	7.4	14.2	23.4	14.5
33231	Plate work & fabricated structural product mfg	4 423	23 574 845	8.9	13.7	22.4	34.1	41.1
332311	Prefabricated metal building & component mfg ..	557	4 686 554	26.1	41.3	59.8	75.8	274.9
332312	Fabricated structural metal mfg	2 872	16 115 143	11.0	15.4	25.0	36.9	57.4
332313	Plate work mfg	1 011	2 773 148	7.4	12.5	24.2	40.7	41.8
33232	Ornamental & architectural metal products mfg	7 275	29 972 368	5.3	9.3	16.3	27.7	19.6
332321	Metal window & door mfg	1 249	10 209 522	14.5	24.7	41.0	59.9	115.4
332322	Sheet metal work mfg	4 202	15 584 570	4.1	7.5	15.4	25.4	15.8
332323	Ornamental & architectural metal work mfg	1 845	4 178 276	12.2	20.5	32.1	45.2	73.7
3324	Boiler, tank, & shipping container mfg	1 526	22 714 389	30.4	46.0	57.1	68.1	338.9
33241	Power boiler & heat exchanger mfg	436	3 867 379	16.9	25.5	42.0	64.3	140.4
332410	Power boiler & heat exchanger mfg	436	3 867 379	16.9	25.5	42.0	64.3	140.4
33242	Metal tank (heavy gauge) mfg	552	4 703 647	16.6	27.1	42.7	59.6	132.4
332420	Metal tank (heavy gauge) mfg	552	4 703 647	16.6	27.1	42.7	59.6	132.4
33243	Metal can, box, & other metal container (light gauge) mfg	557	14 143 363	48.9	73.8	84.4	91.6	846.7
332431	Metal can mfg	107	11 930 448	57.9	87.1	96.8	99.5	1 180.2
332439	Other metal container mfg	455	2 212 915	20.8	30.9	49.6	71.2	194.3
3325	Hardware mfg	906	11 061 736	17.4	27.7	47.4	68.6	154.6
33251	Hardware mfg	906	11 061 736	17.4	27.7	47.4	68.6	154.6
332510	Hardware mfg	906	11 061 736	17.4	27.7	47.4	68.6	154.6
3326	Spring & wire product mfg	1 646	8 533 707	14.6	20.4	31.0	43.9	103.1
33261	Spring & wire product mfg	1 646	8 533 707	14.6	20.4	31.0	43.9	103.1
332611	Spring (heavy gauge) mfg	124	845 199	31.7	49.5	72.2	92.8	404.9
332612	Spring (light gauge) mfg	320	2 481 151	38.7	49.4	63.7	78.9	677.9
332618	Other fabricated wire product mfg	1 213	5 207 357	11.8	18.3	29.1	44.6	66.8
3327	Machine shops, turned product, & screw, nut, & bolt mfg	26 999	43 362 901	3.8	5.4	8.6	13.3	6.4
33271	Machine shops	23 430	26 850 065	1.6	2.7	4.9	8.7	1.9
332710	Machine shops	23 430	26 850 065	1.6	2.7	4.9	8.7	1.9
33272	Turned product & screw, nut, & bolt mfg	3 593	16 512 836	9.4	13.7	21.3	31.9	40.2
332721	Precision turned product mfg	2 696	8 304 805	3.6	6.7	13.3	23.9	13.2
332722	Bolt, nut, screw, rivet, & washer mfg	913	8 208 031	19.0	27.5	41.4	58.1	153.1
3328	Coating, engraving, heat treating, & allied activities ..	5 885	17 956 236	10.2	15.6	24.7	36.0	46.2
33281	Coating, engraving, heat treating, & allied activities ..	5 885	17 956 236	10.2	15.6	24.7	36.0	46.2
332811	Metal heat treating	662	3 442 317	23.7	35.6	50.1	64.6	239.6
332812	Metal coating/engraving (exc jewelry/silverware)/allied services	1 978	8 515 488	21.4	30.5	46.1	58.7	164.8
332813	Electroplating, plating, polishing, anodizing, & coloring	3 286	5 998 431	4.6	8.3	14.9	25.1	16.1

See footnotes at end of table.

Table 2. Share of Value of Shipments Accounted for by the 4, 8, 20, and 50 Largest Companies in Each of the 3-, 4-, 5-, and 6-Digit NAICS Industries: 1997—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Companies ¹	Value of shipments ² (\$1000)	Percent of value of shipments accounted for by the—				Herfindahl-Herschmann index for 50 largest companies ³
				4 largest companies	8 largest companies	20 largest companies	50 largest companies	
332	Fabricated metal product mfg—Con.							
3329	Other fabricated metal product mfg	6 040	49 786 338	9.8	16.3	29.2	43.8	57.2
33291	Metal valve mfg	1 077	21 983 284	18.1	28.5	43.4	61.4	144.0
332911	Industrial valve mfg	429	8 965 193	27.5	37.5	56.5	75.5	323.2
332912	Fluid power valve & hose fitting mfg	360	6 594 554	40.3	53.4	70.3	85.8	529.6
332913	Plumbing fixture fitting & trim mfg	97	3 616 737	44.6	57.6	77.9	95.7	783.3
332919	Other metal valve & pipe fitting mfg	220	2 806 800	22.9	35.5	60.2	81.9	249.6
33299	All other fabricated metal product mfg	5 011	27 803 054	11.8	18.5	31.7	45.9	73.6
332991	Ball & roller bearing mfg	116	6 093 840	49.4	66.3	89.5	98.6	887.3
332992	Small arms ammunition mfg	107	976 944	88.9	93.8	97.5	99.4	D
332993	Ammunition (except small arms) mfg	45	1 471 101	66.5	84.5	98.7	100.0	1 782.9
332994	Small arms mfg	189	1 248 048	41.5	64.9	87.5	94.6	663.2
332995	Other ordnance & accessories mfg	65	1 362 401	78.3	88.6	95.9	98.8	1 935.8
332996	Fabricated pipe & pipe fitting mfg	806	4 118 699	18.6	26.1	38.8	55.5	130.9
332997	Industrial pattern mfg	668	623 605	11.0	17.5	30.2	48.0	66.8
332998	Enameled iron & metal sanitary ware mfg	82	1 553 730	54.1	74.1	93.8	99.4	1 301.0
332999	All other miscellaneous fabricated metal product mfg	2 955	10 354 686	11.8	17.1	26.0	40.1	60.2
333	Machinery mfg	27 983	270 687 165	11.5	15.6	23.9	34.3	55.4
3331	Agriculture, construction, & mining machinery mfg	2 832	54 181 573	37.8	45.7	57.2	69.3	572.5
33311	Agricultural implement mfg	1 386	23 371 367	50.0	60.1	71.1	81.8	1 246.1
333111	Farm machinery & equipment mfg	1 264	15 995 219	53.2	60.4	70.5	80.1	1 707.2
333112	Lawn & garden tractor & home lawn & garden equipment mfg	127	7 376 148	64.4	80.3	94.3	98.8	1 171.7
33312	Construction machinery mfg	723	22 117 440	49.6	59.5	72.6	84.6	1 020.3
333120	Construction machinery mfg	723	22 117 440	49.6	59.5	72.6	84.6	1 020.3
33313	Mining & oil & gas field machinery mfg	748	8 692 766	23.6	36.7	57.7	75.2	245.8
333131	Mining machinery & equipment mfg	261	2 705 885	36.4	50.9	69.9	86.1	515.5
333132	Oil & gas field machinery & equipment mfg	494	5 986 881	30.5	46.2	68.5	83.4	391.7
3332	Industrial machinery mfg	4 439	36 658 714	13.5	18.7	29.1	41.9	89.4
33321	Sawmill & woodworking machinery mfg	312	1 296 200	30.0	43.2	62.9	81.2	344.8
333210	Sawmill & woodworking machinery mfg	312	1 296 200	30.0	43.2	62.9	81.2	344.8
33322	Plastics & rubber industry machinery mfg	427	3 570 320	30.2	41.5	57.2	76.5	373.9
333220	Plastics & rubber industry machinery mfg	427	3 570 320	30.2	41.5	57.2	76.5	373.9
33329	Other industrial machinery mfg	3 713	31 792 194	15.4	21.4	32.5	45.8	114.9
333291	Paper industry machinery mfg	330	3 386 920	37.2	53.1	69.5	83.4	490.3
333292	Textile machinery mfg	454	1 766 419	24.4	36.4	53.8	72.0	269.3
333293	Printing machinery & equipment mfg	504	3 786 716	29.6	41.5	59.2	75.8	326.8
333294	Food product machinery mfg	573	2 857 928	19.1	27.1	41.0	60.0	139.8
333295	Semiconductor machinery mfg	244	11 162 764	43.5	59.4	77.2	91.4	818.4
333298	All other industrial machinery mfg	1 634	8 831 447	10.6	16.6	27.8	43.3	57.5
3333	Commercial & service industry machinery mfg	2 492	26 009 857	30.2	35.7	45.8	58.8	401.5
33331	Commercial & service industry machinery mfg	2 492	26 009 857	30.2	35.7	45.8	58.8	401.5
333311	Automatic vending machine mfg	117	1 327 998	67.9	84.1	92.3	97.5	1 484.3
333312	Commercial laundry, drycleaning, & pressing machine mfg	63	604 939	44.7	65.4	92.0	99.7	779.0
333313	Office machinery mfg	158	3 162 823	53.0	68.2	81.2	93.5	1 208.3
333314	Optical instrument & lens mfg	482	3 139 837	25.4	38.4	56.1	74.7	263.2
333315	Photographic & photocopying equipment mfg	412	8 290 986	80.9	85.0	90.6	94.5	D
333319	Other commercial & service industry machinery mfg	1 274	9 483 274	14.0	21.9	36.7	54.6	95.3
3334	Ventilation, heating, AC, & commercial refrigeration equip mfg	1 563	30 791 331	29.7	39.8	54.9	67.3	283.3
33341	Ventilation, heating, AC, & commercial refrigeration equip mfg	1 563	30 791 331	29.7	39.8	54.9	67.3	283.3
333411	Air purification equipment mfg	333	2 218 051	21.3	33.3	53.8	75.1	207.5
333412	Industrial & commercial fan & blower mfg	173	1 899 077	22.5	38.4	64.4	87.2	276.4
333414	Heating equipment (except warm air furnaces) mfg	441	3 707 615	20.2	31.0	49.8	72.6	182.9
333415	AC & warm air heating & commercial/industrial refig equip mfg	646	22 966 588	39.2	52.6	71.6	83.5	491.0
3335	Metalworking machinery mfg	10 000	30 417 553	7.3	10.7	16.8	26.1	23.2
33351	Metalworking machinery mfg	10 000	30 417 553	7.3	10.7	16.8	26.1	23.2
333511	Industrial mold mfg	2 475	5 087 422	6.6	9.8	16.8	26.7	22.4
333512	Machine tool (metal cutting types) mfg	368	5 331 245	24.7	40.7	59.2	75.5	267.2
333513	Machine tool (metal forming types) mfg	219	2 247 954	21.2	33.8	54.6	74.7	208.7
333514	Special die & tool, die set, jig, & fixture mfg	4 667	8 237 755	5.5	8.4	14.6	24.0	16.5
333515	Cutting tool & machine tool accessory mfg	1 820	5 379 842	21.6	27.9	40.0	54.0	206.4
333516	Rolling mill machinery & equipment mfg	98	700 084	53.0	72.7	87.0	97.0	908.1
333518	Other metalworking machinery mfg	446	3 433 251	17.2	27.4	43.9	64.7	140.7
3336	Engine, turbine, & power transmission equipment mfg	789	30 508 866	42.5	57.8	73.1	85.8	596.2
33361	Engine, turbine, & power transmission equipment mfg	789	30 508 866	42.5	57.8	73.1	85.8	596.2
333611	Turbine & turbine generator set unit mfg	68	5 854 113	78.2	90.1	97.4	99.9	2 390.1
333612	Speed changer, industrial high-speed drive, & gear mfg	237	2 391 269	29.0	45.7	68.6	83.6	345.2
333613	Mechanical power transmission equipment mfg	259	3 252 399	26.1	41.6	64.6	86.6	303.4
333618	Other engine equipment mfg	245	19 011 085	55.8	76.0	90.1	97.0	1 019.1

See footnotes at end of table.

Table 2. Share of Value of Shipments Accounted for by the 4, 8, 20, and 50 Largest Companies in Each of the 3-, 4-, 5-, and 6-Digit NAICS Industries: 1997—Con.

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NAICS code	Industry group and industry	Companies ¹	Value of shipments ² (\$1000)	Percent of value of shipments accounted for by the—				Herfindahl-Herschmann index for 50 largest companies ³
				4 largest companies	8 largest companies	20 largest companies	50 largest companies	
333	Machinery mfg—Con.							
3339	Other general-purpose machinery mfg	6 347	62 119 271	6.4	11.4	22.1	36.6	33.6
33391	Pump & compressor mfg	723	13 683 351	19.2	29.8	49.4	72.5	176.8
333911	Pump & pumping equipment mfg	406	6 735 133	24.3	37.5	58.5	82.0	267.2
333912	Air & gas compressor mfg	269	5 651 176	30.9	46.6	71.1	90.4	382.8
333913	Measuring & dispensing pump mfg	63	1 297 042	65.6	81.6	94.5	99.6	1 581.3
33392	Material handling equipment mfg	1 741	16 646 105	14.1	23.1	39.1	53.6	103.8
333921	Elevator & moving stairway mfg	178	1 607 066	52.7	65.6	77.9	90.5	846.7
333922	Conveyor & conveying equipment mfg	864	6 364 898	17.6	23.5	36.1	52.2	114.4
333923	Overhead traveling crane, hoist, & monorail system mfg	283	3 135 815	35.7	51.0	70.5	85.6	477.3
333924	Industrial truck, tractor, trailer, & stacker machinery mfg	435	5 538 326	38.5	52.3	67.4	80.2	503.0
33399	All other general-purpose machinery mfg	3 938	31 789 815	11.0	17.6	29.5	44.3	62.5
333991	Power-driven handtool mfg	198	3 609 779	47.0	68.7	89.5	96.2	816.6
333992	Welding & soldering equipment mfg	218	4 444 978	53.4	64.8	77.7	89.9	1 000.8
333993	Packaging machinery mfg	644	4 900 477	16.6	26.2	44.3	63.1	145.3
333994	Industrial process furnace & oven mfg	378	2 869 912	22.3	33.3	52.1	71.5	217.0
333995	Fluid power cylinder & actuator mfg	282	3 542 331	44.2	53.9	70.7	87.4	697.2
333996	Fluid power pump & motor mfg	149	2 811 223	48.7	73.2	89.1	96.1	819.0
333997	Scale & balance (except laboratory) mfg	110	682 181	57.2	67.0	81.9	94.9	1 136.9
333999	All other miscellaneous general-purpose machinery mfg	2 005	8 928 934	11.7	18.1	30.6	47.1	70.7
334	Computer & electronic product mfg	15 492	439 381 300	19.1	28.1	41.1	55.0	136.6
3341	Computer & peripheral equipment mfg	1 870	110 054 987	37.0	52.1	72.8	86.3	464.9
33411	Computer & peripheral equipment mfg	1 870	110 054 987	37.0	52.1	72.8	86.3	464.9
334111	Electronic computer mfg	531	66 301 810	45.4	68.5	91.4	97.2	727.9
334112	Computer storage device mfg	203	15 354 924	53.1	77.1	92.9	98.1	1 015.8
334113	Computer terminal mfg	141	1 486 965	39.4	64.5	87.2	96.5	645.4
334119	Other computer peripheral equipment mfg	1 015	26 911 288	45.3	60.2	73.0	85.4	659.7
3342	Communications equipment mfg	2 078	82 852 421	36.5	49.3	63.7	75.8	449.0
33421	Telephone apparatus mfg	548	38 375 534	54.4	66.5	78.5	88.2	999.4
334210	Telephone apparatus mfg	548	38 375 534	54.4	66.5	78.5	88.2	999.4
33422	Radio & TV broadcasting & wireless communications equipment mfg	1 096	40 373 077	48.9	59.2	71.1	81.6	971.9
334220	Radio & TV broadcasting & wireless communications equipment mfg	1 096	40 373 077	48.9	59.2	71.1	81.6	971.9
33429	Other communications equipment mfg	461	4 103 810	38.1	50.2	68.6	84.9	526.0
334290	Other communications equipment mfg	461	4 103 810	38.1	50.2	68.6	84.9	526.0
3343	Audio & video equipment mfg	521	8 226 685	29.8	52.4	74.6	87.8	414.7
33431	Audio & video equipment mfg	521	8 226 685	29.8	52.4	74.6	87.8	414.7
334310	Audio & video equipment mfg	521	8 226 685	29.8	52.4	74.6	87.8	414.7
3344	Semiconductor & other electronic component mfg	5 652	139 083 873	34.3	42.8	54.2	65.5	413.7
33441	Semiconductor & other electronic component mfg ..	5 652	139 083 873	34.3	42.8	54.2	65.5	413.7
334411	Electron tube mfg	147	3 789 948	57.3	80.2	91.5	98.1	1 183.4
334412	Bare printed circuit board mfg	1 319	8 507 125	16.3	24.7	39.3	58.1	117.4
334413	Semiconductor & related device mfg	993	78 479 496	52.5	64.0	78.0	88.5	1 080.1
334414	Electronic capacitor mfg	112	2 560 984	61.1	74.9	88.2	97.3	1 086.3
334415	Electronic resistor mfg	90	1 240 008	42.6	59.1	82.3	97.0	719.4
334416	Electronic coil, transformer, & other inductor mfg ..	426	1 524 064	13.5	21.8	38.6	57.3	102.9
334417	Electronic connector mfg	281	5 550 540	50.7	62.0	76.1	88.3	1 356.2
334418	Printed circuit assembly (electronic assembly) mfg	673	27 103 573	40.6	53.0	67.0	79.4	605.0
334419	Other electronic component mfg	1 781	10 328 135	7.8	13.6	25.5	42.6	46.4
3345	Navigational, measuring, medical, & control instruments mfg	4 845	89 465 709	24.1	33.2	47.4	61.0	207.5
33451	Navigational, measuring, medical, & control instruments mfg	4 845	89 465 709	24.1	33.2	47.4	61.0	207.5
334510	Electromedical & electrotherapeutic apparatus mfg	490	11 581 624	22.7	37.7	60.0	82.0	250.3
334511	Search, detection, navigation, & guidance instrument mfg	579	32 661 495	56.7	75.0	87.7	94.6	1 144.6
334512	Automatic environmental control mfg	297	2 943 971	52.8	64.3	77.6	87.6	918.6
334513	Industrial process control instrument mfg	919	7 662 564	30.8	39.1	53.0	66.5	317.4
334514	Totalizing fluid meter & counting device mfg	210	3 716 095	53.2	68.2	86.4	94.4	1 250.6
334515	Electricity measuring & testing instrument mfg	762	14 025 050	42.7	53.7	65.7	79.5	632.7
334516	Analytical laboratory instrument mfg	637	6 899 852	33.6	48.3	64.0	77.3	387.0
334517	Irradiation apparatus mfg	134	3 970 454	58.3	77.4	91.4	97.3	1 190.1
334518	Watch, clock, & part mfg	145	921 827	48.1	62.7	86.9	96.9	750.2
334519	Other measuring & controlling device mfg	826	5 082 777	16.0	25.6	40.0	57.7	117.5
3346	Mfg & reproducing magnetic & optical media	843	9 697 625	25.2	41.1	65.3	81.8	294.1
33461	Mfg & reproducing magnetic & optical media	843	9 697 625	25.2	41.1	65.3	81.8	294.1
334611	Software reproducing	112	1 209 207	65.3	75.2	87.1	96.6	D
334612	Prerecorded CD (except software), tape, & record reproducing	492	3 809 652	39.3	56.0	73.8	85.3	539.4
334613	Magnetic & optical recording media mfg	241	4 678 766	37.9	59.4	87.0	95.9	585.7
335	Electrical equipment, appliance, & component mfg	5 839	112 116 267	14.8	23.2	36.8	51.0	105.9
3351	Electric lighting equipment mfg	1 211	12 710 091	35.3	49.2	61.4	71.9	396.4
33511	Electric lamp bulb & part mfg	54	3 306 009	88.9	94.3	98.6	99.9	2 849.0
335110	Electric lamp bulb & part mfg	54	3 306 009	88.9	94.3	98.6	99.9	2 849.0
33512	Lighting fixture mfg	1 160	9 404 082	28.6	39.6	52.6	65.6	272.8
335121	Residential electric lighting fixture mfg	543	2 255 251	24.5	36.5	55.8	73.6	266.3
335122	Commercial/industrial/institutional electric lighting fixture mfg	326	4 101 442	43.5	59.4	71.2	83.3	666.4
335129	Other lighting equipment mfg	310	3 047 389	25.1	38.2	59.7	80.9	262.1

See footnotes at end of table.

Table 2. Share of Value of Shipments Accounted for by the 4, 8, 20, and 50 Largest Companies in Each of the 3-, 4-, 5-, and 6-Digit NAICS Industries: 1997—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Companies ¹	Value of shipments ² (\$1000)	Percent of value of shipments accounted for by the—				Herfindahl-Herschmann index for 50 largest companies ³
				4 largest companies	8 largest companies	20 largest companies	50 largest companies	
335	Electrical equipment, appliance, & component mfg—Con.							
3352	Household appliance mfg	265	21 394 445	53.6	65.0	80.1	95.3	816.2
33521	Small electrical appliance mfg	144	5 907 367	35.0	53.3	85.1	98.2	510.4
335211	Electric housewares & household fan mfg	119	3 532 813	43.1	65.1	92.6	98.7	777.5
335212	Household vacuum cleaner mfg	25	2 374 554	68.5	92.4	99.9	100.0	1 437.9
33522	Major appliance mfg	126	15 487 078	66.6	78.5	93.7	99.1	1 276.3
335221	Household cooking appliance mfg	77	3 520 635	58.1	78.3	94.8	99.8	1 083.2
335222	Household refrigerator & home freezer mfg	21	4 887 364	81.5	97.0	D	100.0	2 025.1
335224	Household laundry equipment mfg	10	3 847 002	90.4	D	100.0	N	2 870.3
335228	Other major household appliance mfg	32	3 232 077	56.6	86.2	99.5	100.0	1 086.8
3353	Electrical equipment mfg	2 517	36 233 634	25.7	40.2	55.5	68.0	255.5
33531	Electrical equipment mfg	2 517	36 233 634	25.7	40.2	55.5	68.0	255.5
335311	Power, distribution, & specialty transformer mfg	275	4 743 781	40.9	58.1	78.9	91.4	592.0
335312	Motor & generator mfg	559	12 174 434	33.0	47.0	68.1	84.9	439.0
335313	Switchgear & switchboard apparatus mfg	496	7 488 911	49.6	64.3	76.1	85.0	753.5
335314	Relay & industrial control mfg	1 241	11 826 508	38.3	47.9	58.3	70.0	569.5
3359	Other electrical equipment & component mfg	1 939	41 778 097	11.5	18.4	33.0	55.2	80.8
33591	Battery mfg	127	6 823 196	46.5	71.9	91.9	98.8	814.7
335911	Storage battery mfg	96	4 435 329	52.0	75.0	92.4	99.1	898.7
335912	Primary battery mfg	35	2 387 867	90.1	97.7	99.8	100.0	2 882.9
33592	Communication & energy wire & cable mfg	219	15 245 693	28.0	42.1	69.5	87.0	335.6
335921	Fiber optic cable mfg	36	2 772 428	69.0	84.5	96.8	100.0	1 790.9
335929	Other communication & energy wire mfg	193	12 473 265	28.4	41.7	69.7	87.8	340.2
33593	Wiring device mfg	604	10 328 708	17.4	29.6	52.4	77.5	185.7
335931	Current-carrying wiring device mfg	446	5 877 522	21.2	35.0	59.1	80.3	232.0
335932	Noncurrent-carrying wiring device mfg	168	4 451 186	30.8	50.5	82.3	95.8	440.1
33599	All other electrical equipment & component mfg	1 026	9 380 500	12.8	21.0	37.4	55.2	93.9
335991	Carbon & graphite product mfg	99	2 340 732	51.4	71.6	88.1	97.5	813.2
335999	All other miscellaneous electrical equipment & component mfg	928	7 039 768	10.9	20.2	34.8	52.8	81.1
336	Transportation equipment mfg	10 979	575 306 996	49.7	57.8	68.6	77.5	797.6
3361	Motor vehicle mfg	325	220 052 857	82.4	91.8	98.8	99.7	2 505.8
33611	Automobile & light duty motor vehicle mfg	253	205 543 825	88.3	97.5	99.7	99.9	2 862.8
336111	Automobile mfg	173	95 365 667	79.5	96.3	99.5	99.9	2 349.7
336112	Light truck & utility vehicle mfg	84	110 178 158	99.3	99.9	99.9	D	D
33612	Heavy duty truck mfg	75	14 509 032	74.4	90.3	98.5	99.8	1 597.1
336120	Heavy duty truck mfg	75	14 509 032	74.4	90.3	98.5	99.8	1 597.1
3362	Motor vehicle body & trailer mfg	1 922	23 007 668	22.4	30.7	45.1	61.8	198.9
33621	Motor vehicle body & trailer mfg	1 922	23 007 668	22.4	30.7	45.1	61.8	198.9
336211	Motor vehicle body mfg	747	9 008 512	34.4	43.9	59.4	74.9	694.7
336212	Truck trailer mfg	355	5 504 115	41.7	54.1	71.5	85.6	578.3
336213	Motor home mfg	75	3 894 350	52.2	75.4	94.5	99.7	980.2
336214	Travel trailer & camper mfg	761	4 600 691	26.0	35.3	49.8	67.1	262.2
3363	Motor vehicle parts mfg	4 767	178 511 569	41.6	49.3	61.0	70.7	658.8
33631	Motor vehicle gasoline engine & engine parts mfg	924	28 518 227	64.4	72.6	82.3	91.2	1 293.8
336311	Carburetor, piston, piston ring, & valve mfg	122	2 731 573	60.2	77.8	92.5	98.5	1 558.5
336312	Gasoline engine & engine parts mfg	810	25 786 654	67.5	75.5	84.8	92.8	1 425.1
33632	Motor vehicle electrical & electronic equipment mfg	981	21 633 391	51.8	61.0	73.3	85.7	1 419.9
336321	Vehicular lighting equipment mfg	99	3 336 152	58.3	76.5	92.7	99.1	1 164.4
336322	Other motor vehicle electrical & electronic equipment mfg	890	18 297 239	53.4	64.2	75.9	87.1	1 615.3
33633	Motor vehicle steering & suspension component (except spring) mfg	183	10 632 673	60.1	72.3	85.6	97.1	1 415.6
336330	Motor vehicle steering & suspension component (except spring) mfg	183	10 632 673	60.1	72.3	85.6	97.1	1 415.6
33634	Motor vehicle brake system mfg	203	10 981 044	59.2	77.2	89.2	96.5	1 101.0
336340	Motor vehicle brake system mfg	203	10 981 044	59.2	77.2	89.2	96.5	1 101.0
33635	Motor vehicle transmission & power train parts mfg	427	30 105 923	60.0	79.1	90.9	96.2	1 056.6
336350	Motor vehicle transmission & power train parts mfg	427	30 105 923	60.0	79.1	90.9	96.2	1 056.6
33636	Motor vehicle seating & interior trim mfg	280	11 869 070	62.2	74.6	87.2	96.5	1 449.2
336360	Motor vehicle seating & interior trim mfg	280	11 869 070	62.2	74.6	87.2	96.5	1 449.2
33637	Motor vehicle metal stamping	662	23 633 912	45.1	50.7	59.1	71.0	693.4
336370	Motor vehicle metal stamping	662	23 633 912	45.1	50.7	59.1	71.0	693.4
33639	Other motor vehicle parts mfg	1 321	41 137 329	31.7	41.4	56.7	71.7	364.0
336391	Motor vehicle air-conditioning mfg	58	5 626 596	76.1	89.0	98.7	99.9	2 227.1
336399	All other motor vehicle parts mfg	1 271	35 510 733	27.2	38.3	54.8	70.6	266.4
3364	Aerospace product & parts mfg	1 530	120 438 212	62.3	78.1	88.0	92.8	1 636.9
33641	Aerospace product & parts mfg	1 530	120 438 212	62.3	78.1	88.0	92.8	1 636.9
336411	Aircraft mfg	172	57 893 242	84.8	96.0	98.7	99.7	D
336412	Aircraft engine & engine parts mfg	281	22 859 270	77.2	82.3	88.6	94.7	2 057.5
336413	Other aircraft part & auxiliary equipment mfg	1 049	19 373 554	53.3	66.6	75.5	84.1	1 038.3
336414	Guided missile & space vehicle mfg	15	16 247 363	89.2	99.7	100.0	N	D
336415	Guided missile & space vehicle propulsion unit & parts mfg	19	3 101 378	78.5	97.5	100.0	N	1 978.2
336419	Other guided missile & space vehicle parts & auxiliary equip mfg	48	963 405	73.0	85.4	97.0	100.0	2 341.2
3365	Railroad rolling stock mfg	173	8 263 395	57.2	71.9	87.9	96.2	1 029.3
33651	Railroad rolling stock mfg	173	8 263 395	57.2	71.9	87.9	96.2	1 029.3
336510	Railroad rolling stock mfg	173	8 263 395	57.2	71.9	87.9	96.2	1 029.3
3366	Ship & boat building	1 630	16 150 259	38.4	50.7	63.3	74.4	449.5
33661	Ship & boat building	1 630	16 150 259	38.4	50.7	63.3	74.4	449.5
336611	Ship building & repairing	649	10 542 961	52.6	64.5	76.5	86.5	872.7
336612	Boat building	984	5 607 298	41.4	48.9	61.0	75.4	644.5

See footnotes at end of table.

Table 2. Share of Value of Shipments Accounted for by the 4, 8, 20, and 50 Largest Companies in Each of the 3-, 4-, 5-, and 6-Digit NAICS Industries: 1997—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Companies ¹	Value of shipments ² (\$1000)	Percent of value of shipments accounted for by the—				Herfindahl-Herschmann index for 50 largest companies ³
				4 largest companies	8 largest companies	20 largest companies	50 largest companies	
336	Transportation equipment mfg—Con.							
3369	Other transportation equipment mfg	758	8 883 036	37.9	55.7	77.3	86.0	563.3
33699	Other transportation equipment mfg	758	8 883 036	37.9	55.7	77.3	86.0	563.3
336991	Motorcycle, bicycle, & parts mfg	373	3 382 689	67.5	76.7	85.9	92.3	2 036.5
336992	Military armored vehicle, tank, & tank component mfg	37	1 063 668	85.0	92.4	99.0	100.0	D
336999	All other transportation equipment mfg	349	4 436 679	50.7	75.3	83.0	90.6	885.2
337	Furniture & related product mfg	19 838	64 299 098	11.2	17.6	27.5	37.2	55.5
3371	Household & institutional furniture & kitchen cabinet mfg	14 732	36 418 307	13.8	19.5	28.8	40.0	73.3
33711	Wood kitchen cabinet & counter top mfg	7 872	9 029 834	18.2	25.7	36.5	45.0	133.1
337110	Wood kitchen cabinet & counter top mfg	7 872	9 029 834	18.2	25.7	36.5	45.0	133.1
33712	Household & institutional furniture mfg	6 867	27 388 473	17.7	24.6	34.7	47.2	117.3
337121	Upholstered household furniture mfg	1 566	8 232 635	31.5	39.1	53.7	68.7	301.0
337122	Nonupholstered wood household furniture mfg	3 677	11 318 807	25.7	36.5	50.5	64.3	237.5
337124	Metal household furniture mfg	389	2 417 293	26.2	41.0	63.4	82.2	288.9
337125	Household furniture (except wood & metal) mfg	211	547 227	45.2	60.1	78.5	91.2	635.0
337127	Institutional furniture mfg	977	4 554 577	18.8	27.0	41.2	58.7	147.3
337129	Wood television, radio, & sewing machine cabinet mfg	99	317 934	45.8	63.0	85.6	96.6	752.0
3372	Office furniture (including fixtures) mfg	4 086	21 517 554	28.7	35.9	42.8	51.4	252.5
33721	Office furniture (including fixtures) mfg	4 086	21 517 554	28.7	35.9	42.8	51.4	252.5
337211	Wood office furniture mfg	639	3 021 800	34.9	42.2	54.8	70.0	399.4
337212	Custom architectural woodwork & millwork mfg	1 094	2 205 019	7.8	11.7	19.9	34.5	34.4
337214	Office furniture (except wood) mfg	303	8 341 389	64.7	78.7	87.0	93.7	1 272.2
337215	Showcase, partition, shelving, & locker mfg	2 073	7 949 346	9.9	15.5	26.2	41.1	53.7
3379	Other furniture related product mfg	1 071	6 363 237	34.4	44.5	55.5	66.8	355.6
33791	Mattress mfg	628	3 936 972	38.6	44.8	55.3	68.3	561.0
337910	Mattress mfg	628	3 936 972	38.6	44.8	55.3	68.3	561.0
33792	Blind & shade mfg	443	2 426 265	54.1	65.9	76.0	86.7	979.5
337920	Blind & shade mfg	443	2 426 265	54.1	65.9	76.0	86.7	979.5
339	Miscellaneous mfg	30 335	99 729 798	7.4	11.4	19.4	30.2	33.2
3391	Medical equipment & supplies mfg	12 123	44 893 840	16.3	24.0	37.4	54.4	137.5
33911	Medical equipment & supplies mfg	12 123	44 893 840	16.3	24.0	37.4	54.4	137.5
339111	Laboratory apparatus & furniture mfg	371	2 220 507	19.0	33.3	55.1	74.4	202.5
339112	Surgical & medical instrument mfg	1 456	18 292 919	31.4	44.0	61.6	76.7	366.8
339113	Surgical appliance & supplies mfg	1 511	15 233 098	17.0	29.3	51.3	68.9	166.8
339114	Dental equipment & supplies mfg	849	2 666 147	34.5	46.1	64.7	78.8	400.0
339115	Ophthalmic goods mfg	520	3 497 595	43.3	59.0	78.3	88.2	645.2
339116	Dental laboratories	7 490	2 983 574	5.1	6.6	9.2	13.9	8.8
3399	Other miscellaneous mfg	18 232	54 835 958	5.7	10.0	17.8	27.1	21.2
33991	Jewelry & silverware mfg	3 737	8 303 714	11.1	17.0	28.7	45.1	65.2
339911	Jewelry (except costume) mfg	2 278	5 320 508	12.5	19.6	34.2	50.2	81.4
339912	Silverware & plated ware mfg	158	892 378	68.4	77.0	88.2	95.9	2 134.3
339913	Jewelers' material & lapidary work mfg	391	802 515	27.3	41.9	62.5	79.3	296.8
339914	Costume jewelry & novelty mfg	917	1 288 313	25.2	41.2	55.3	69.0	256.3
33992	Sporting & athletic goods mfg	2 477	10 633 528	21.4	29.2	43.6	59.7	161.1
339920	Sporting & athletic goods mfg	2 477	10 633 528	21.4	29.2	43.6	59.7	161.1
33993	Doll, toy, & game mfg	995	4 763 522	40.0	49.8	61.9	76.2	495.9
339931	Doll & stuffed toy mfg	239	300 678	31.1	51.1	72.2	89.6	403.9
339932	Game, toy, & children's vehicle mfg	756	4 462 844	42.7	53.1	66.0	80.1	564.0
33994	Office supplies (except paper) mfg	999	4 329 053	31.2	41.4	56.9	74.3	342.3
339941	Pen & mechanical pencil mfg	106	1 538 812	65.4	77.7	89.6	98.0	1 374.8
339942	Lead pencil & art good mfg	171	1 278 701	52.4	65.6	83.7	94.6	1 047.9
339943	Marking device mfg	617	661 173	25.5	37.8	53.6	68.0	233.6
339944	Carbon paper & inked ribbon mfg	106	850 367	40.3	58.6	81.8	95.1	572.6
33995	Sign mfg	5 580	7 997 974	7.9	12.2	19.5	30.9	34.5
339950	Sign mfg	5 580	7 997 974	7.9	12.2	19.5	30.9	34.5
33999	All other miscellaneous mfg	4 475	18 808 167	9.5	16.3	27.5	42.6	54.9
339991	Gasket, packing, & sealing device mfg	561	5 243 005	23.5	35.7	54.7	72.2	223.5
339992	Musical instrument mfg	552	1 324 529	32.6	45.5	68.1	83.3	420.8
339993	Fastener, button, needle, & pin mfg	240	838 928	46.3	56.2	70.8	88.6	952.2
339994	Broom, brush, & mop mfg	306	2 083 585	25.9	38.2	60.5	79.7	286.2
339995	Burial casket mfg	161	1 219 943	74.2	80.2	88.4	95.4	2 964.6
339999	All other miscellaneous mfg	2 660	8 098 177	15.1	23.3	37.8	51.4	100.5

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²For most industries, data are value of shipments. For industries 311411, 311412, 311421, 311422, 311711, 311712, 311941, 311999, 312140, 312210, 312221, and 312229, value of production is shown. For industry 336611, value of work done is shown.

³The Herfindahl-Herschmann index is calculated by summing the squares of the individual company percentages for the 50 largest companies or the universe, whichever is lower.

Table 3. Share of Value Added Accounted for by the 4, 8, 20, and 50 Largest Companies in Each of the 3-, 4-, 5-, and 6-Digit NAICS Industries: 1997

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Companies ¹	Value added by manufacture (\$1000)	Percent of value added accounted for by the ²				Herfindahl-Herschmann index for 50 largest companies ³
				4 largest companies	8 largest companies	20 largest companies	50 largest companies	
311	Food mfg	21 958	163 675 301	10.9	20.0	37.4	53.4	87.0
3111	Animal food mfg	1 077	8 779 741	32.7	46.3	63.0	77.1	415.9
31111	Animal food mfg	1 077	8 779 741	32.7	46.3	63.0	77.1	415.9
311111	Dog & cat food mfg	129	4 307 078	63.4	83.2	94.3	98.9	1 447.3
311119	Other animal food mfg	962	4 472 663	24.6	35.1	51.2	67.6	233.0
3112	Grain & oilseed milling	534	15 867 943	48.7	64.2	80.2	90.6	776.1
31121	Flour milling & malt mfg	324	2 689 069	32.1	51.2	69.4	87.5	414.1
311211	Flour milling	254	1 894 615	42.3	59.8	78.5	92.6	591.6
311212	Rice milling	56	587 737	57.1	72.4	90.4	99.9	1 384.7
311213	Malt mfg	19	206 717	66.5	95.1	100.0	N	1 394.4
31122	Starch & vegetable fats & oils mfg	179	6 622 646	53.3	68.4	87.8	97.1	1 005.6
311221	Wet corn milling	30	3 071 056	73.7	91.0	99.8	100.0	1 706.9
311222	Soybean processing	43	1 623 082	73.4	92.2	99.0	100.0	1 841.8
311223	Other oilseed processing	32	246 561	72.7	90.5	99.9	100.0	2 925.2
311225	Fats & oils refining & blending	91	1 681 947	44.4	64.4	89.7	99.0	666.2
31123	Breakfast cereal mfg	48	6 556 228	86.7	94.7	99.3	100.0	2 773.7
311230	Breakfast cereal mfg	48	6 556 228	86.7	94.7	99.3	100.0	2 773.7
3113	Sugar & confectionery product mfg	1 556	11 876 056	45.3	57.6	75.7	86.6	687.1
31131	Sugar mfg	49	2 156 119	54.2	78.0	95.2	100.0	1 073.1
311311	Sugarcane mills	34	647 496	61.8	78.4	94.7	100.0	1 174.9
311312	Cane sugar refining	12	540 141	96.4	99.9	100.0	N	D
311313	Beet sugar mfg	8	968 482	82.7	100.0	N	N	1 931.1
31132	Chocolate & confectionery mfg from cacao beans ..	152	1 821 177	86.6	93.7	98.2	99.3	2 892.4
311320	Chocolate & confectionery mfg from cacao beans ..	152	1 821 177	86.6	93.7	98.2	99.3	2 892.4
31133	Confectionery mfg from purchased chocolate	796	4 815 479	67.9	78.4	86.3	93.2	1 775.1
311330	Confectionery mfg from purchased chocolate	796	4 815 479	67.9	78.4	86.3	93.2	1 775.1
31134	Nonchocolate confectionery mfg	578	3 083 281	44.0	65.5	81.3	92.5	722.9
311340	Nonchocolate confectionery mfg	578	3 083 281	44.0	65.5	81.3	92.5	722.9
3114	Fruit & vegetable preserving & specialty food mfg	1 394	23 360 633	31.5	40.8	57.1	73.3	353.5
31141	Frozen food mfg	531	9 876 210	34.9	49.7	67.1	82.0	424.7
311411	Frozen fruit, juice, & vegetable mfg	177	4 507 930	41.2	54.4	74.7	91.6	587.3
311412	Frozen specialty food mfg	363	5 368 280	44.8	59.2	77.0	89.6	613.3
31142	Fruit & vegetable canning, pickling, & drying	887	13 484 423	34.5	45.0	64.5	80.8	540.2
311421	Fruit & vegetable canning	661	6 940 605	25.7	39.9	62.7	79.4	291.0
311422	Specialty canning	122	5 185 647	72.8	87.3	97.3	99.6	2 632.7
311423	Dried & dehydrated food mfg	125	1 358 171	31.4	53.1	80.1	97.1	474.7
3115	Dairy product mfg	1 329	17 621 758	25.6	35.7	52.7	69.5	241.2
31151	Dairy product (except frozen) mfg	948	15 071 625	29.5	38.9	56.7	72.0	301.5
311511	Fluid milk mfg	402	6 284 684	22.5	35.3	52.3	73.3	219.5
311512	Creamery butter mfg	32	241 876	56.7	75.8	96.9	100.0	1 264.8
311513	Cheese mfg	399	4 376 509	43.4	55.1	74.1	86.8	921.4
311514	Dry, condensed, & evaporated dairy product mfg	169	4 168 556	68.8	77.5	86.7	95.9	2 083.1
31152	Ice cream & frozen dessert mfg	409	2 550 133	39.2	54.4	75.1	89.6	657.4
311520	Ice cream & frozen dessert mfg	409	2 550 133	39.2	54.4	75.1	89.6	657.4
3116	Meat product mfg	2 794	30 172 670	26.9	41.2	56.7	68.9	290.7
31161	Animal slaughtering & processing	2 794	30 172 670	26.9	41.2	56.7	68.9	290.7
311611	Animal (except poultry) slaughtering	1 307	8 589 698	42.5	65.8	78.3	87.3	639.6
311612	Meat processed from carcasses	1 163	8 242 526	23.5	33.6	48.4	63.9	204.2
311613	Rendering & meat byproduct processing	137	1 254 647	40.2	60.8	80.1	93.2	629.6
311615	Poultry processing	257	12 085 799	45.0	56.8	73.6	91.2	877.2
3117	Seafood product preparation & packaging	731	2 512 047	12.5	21.7	40.8	63.9	112.1
31171	Seafood product preparation & packaging	731	2 512 047	12.5	21.7	40.8	63.9	112.1
311711	Seafood canning	152	330 603	27.2	45.0	74.6	94.5	373.6
311712	Fresh & frozen seafood processing	586	2 181 444	13.2	22.9	43.4	67.9	125.7
3118	Bakeries & tortilla mfg	10 437	27 160 518	32.0	43.5	59.0	70.9	346.2
31181	Bread & bakery product mfg	9 489	16 631 875	35.3	45.4	60.8	71.3	528.3
311811	Retail bakeries	6 906	1 227 763	2.5	4.0	6.9	11.4	3.8
311812	Commercial bakeries	2 401	14 036 766	41.2	53.0	68.3	79.5	724.2
311813	Frozen cakes, pies, & other pastries mfg	223	1 367 346	41.2	53.2	69.5	87.9	635.6
31182	Cookie, cracker, & pasta mfg	767	9 907 805	46.9	59.9	74.4	87.5	772.7
311821	Cookie & cracker mfg	322	6 366 872	64.6	76.6	89.7	96.0	1 609.7
311822	Flour mixes & dough mfg from purchased flour ..	206	2 495 635	49.6	62.9	79.3	93.9	1 292.9
311823	Dry pasta mfg	249	1 045 298	58.5	75.8	88.0	92.9	1 524.2
31183	Tortilla mfg	217	620 838	58.4	65.4	76.0	89.6	1 881.7
311830	Tortilla mfg	217	620 838	58.4	65.4	76.0	89.6	1 881.7
3119	Other food mfg	2 493	26 323 935	40.6	48.7	60.1	70.6	539.1
31191	Snack food mfg	466	7 483 020	63.0	68.9	80.7	90.5	2 618.9
311911	Roasted nuts & peanut butter mfg	128	1 574 476	49.4	69.9	85.9	96.6	855.9
311919	Other snack food mfg	340	5 908 544	72.2	77.7	88.2	94.3	D
31192	Coffee & tea mfg	215	3 644 653	57.5	70.0	87.1	95.4	1 187.2
311920	Coffee & tea mfg	215	3 644 653	57.5	70.0	87.1	95.4	1 187.2
31193	Flavoring syrup & concentrate mfg	149	4 945 331	D	90.7	95.5	98.6	D
311930	Flavoring syrup & concentrate mfg	149	4 945 331	D	90.7	95.5	98.6	D
31194	Seasoning & dressing mfg	525	5 108 356	34.2	51.2	67.1	82.0	406.8
311941	Mayonnaise, dressing, & other prepared sauce mfg	293	2 945 653	43.3	61.6	79.6	93.1	640.0
311942	Spice & extract mfg	241	2 162 703	46.8	55.7	71.0	86.4	854.7
31199	All other food mfg	1 197	5 142 575	19.7	29.0	44.2	60.8	160.3
311991	Perishable prepared food mfg	415	1 394 441	26.3	39.1	57.2	75.2	260.3
311999	All other miscellaneous food mfg	785	3 748 134	23.5	36.0	52.7	70.0	223.0

See footnotes at end of table.

Table 3. Share of Value Added Accounted for by the 4, 8, 20, and 50 Largest Companies in Each of the 3-, 4-, 5-, and 6-Digit NAICS Industries: 1997—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Companies ¹	Value added by manufacture (\$1000)	Percent of value added accounted for by the ² —				Herfindahl-Herschmann index for 50 largest companies ³
				4 largest companies	8 largest companies	20 largest companies	50 largest companies	
312	Beverage & tobacco product mfg	2 237	56 433 891	53.3	66.3	78.7	87.5	1 166.4
3121	Beverage mfg	2 169	29 743 502	41.9	54.8	69.8	81.0	673.8
31211	Soft drink & ice mfg	1 008	13 131 224	44.7	55.6	70.1	83.0	663.4
312111	Soft drink mfg	388	12 422 141	47.2	58.8	73.1	86.3	738.0
312112	Bottled water mfg	109	412 997	58.9	71.3	85.4	96.5	1 363.6
312113	Ice mfg	514	296 086	27.2	34.4	47.0	64.4	391.0
31212	Breweries	494	11 234 126	90.7	93.9	95.7	97.0	D
312120	Breweries	494	11 234 126	90.7	93.9	95.7	97.0	D
31213	Wineries	637	3 161 416	37.8	52.3	70.9	82.1	565.4
312130	Wineries	637	3 161 416	37.8	52.3	70.9	82.1	565.4
31214	Distilleries	44	2 216 736	64.8	82.5	98.1	100.0	1 335.1
312140	Distilleries	44	2 216 736	64.8	82.5	98.1	100.0	1 335.1
3122	Tobacco mfg	70	26 690 389	87.5	95.0	99.4	99.9	D
31221	Tobacco stemming & redrying	13	619 176	77.0	D	100.0	N	2 332.5
312210	Tobacco stemming & redrying	13	619 176	77.0	D	100.0	N	2 332.5
31222	Tobacco product mfg	63	26 071 213	89.0	96.4	99.8	99.9	D
312221	Cigarette mfg	9	23 338 692	98.9	D	100.0	N	D
312229	Other tobacco product mfg	56	2 732 521	69.4	86.7	98.8	99.9	2 381.1
313	Textile mills	3 863	23 696 948	11.2	17.9	30.9	48.4	69.6
3131	Fiber, yarn, & thread mills	358	4 202 226	25.7	39.6	59.8	79.8	280.2
31311	Fiber, yarn, & thread mills	358	4 202 226	25.7	39.6	59.8	79.8	280.2
313111	Yarn spinning mills	229	2 964 156	26.1	38.9	61.3	85.8	280.1
313112	Yarn texturing, throwing, & twisting mills	101	1 096 088	57.9	67.5	84.4	97.3	1 478.0
313113	Thread mills	44	141 982	63.1	80.3	95.3	100.0	1 213.6
3132	Fabric mills	1 796	12 598 396	12.8	21.3	37.6	57.1	97.5
31321	Broadwoven fabric mills	734	7 505 926	19.7	32.5	54.4	78.6	208.6
313210	Broadwoven fabric mills	734	7 505 926	19.7	32.5	54.4	78.6	208.6
31322	Narrow fabric mills & schiffli machine embroidery ..	478	949 913	16.7	26.9	47.9	74.3	164.5
313221	Narrow fabric mills	243	786 758	20.2	32.5	57.4	84.3	229.7
313222	Schiffli machine embroidery	235	163 155	28.0	45.2	66.7	84.7	338.0
31323	Nonwoven fabric mills	212	1 751 967	32.9	47.3	70.2	87.1	465.1
313230	Nonwoven fabric mills	212	1 751 967	32.9	47.3	70.2	87.1	465.1
31324	Knit fabric mills	407	2 390 590	24.8	35.0	50.7	68.7	248.5
313241	Weft knit fabric mills	236	1 150 044	24.8	34.3	52.5	75.5	296.5
313249	Other knit fabric & lace mills	181	1 240 546	38.5	52.8	71.2	87.8	624.8
3133	Textile & fabric finishing & fabric coating mills	1 827	6 896 326	13.4	21.8	36.1	51.4	93.3
31331	Textile & fabric finishing mills	1 589	6 006 310	15.4	24.9	40.9	56.7	119.3
313311	Broadwoven fabric finishing mills	1 255	4 032 378	19.7	31.6	47.2	61.5	179.4
313312	Textile & fabric finishing mills	346	1 973 932	29.2	39.8	57.8	77.5	303.6
31332	Fabric coating mills	246	890 016	17.2	29.3	50.4	75.2	173.2
313320	Fabric coating mills	246	890 016	17.2	29.3	50.4	75.2	173.2
314	Textile product mills	7 516	13 613 111	20.3	28.3	41.3	52.9	145.9
3141	Textile furnishings mills	3 080	8 588 430	31.6	44.3	61.4	75.0	338.8
31411	Carpet & rug mills	413	4 513 421	47.9	63.0	80.6	92.6	825.1
314110	Carpet & rug mills	413	4 513 421	47.9	63.0	80.6	92.6	825.1
31412	Curtain & linen mills	2 670	4 075 009	38.7	48.5	60.5	72.3	472.1
314121	Curtain & drapery mills	2 012	943 162	27.2	35.9	49.7	63.7	388.7
314129	Other household textile product mills	668	3 131 847	50.0	59.3	71.5	82.5	747.1
3149	Other textile product mills	4 455	5 024 681	9.3	14.8	23.3	36.1	42.9
31491	Textile bag & canvas mills	2 094	1 307 070	8.7	14.8	25.1	39.9	46.1
314911	Textile bag mills	423	497 914	21.7	31.4	50.4	70.5	196.9
314912	Canvas & related product mills	1 673	809 156	10.5	16.5	26.9	42.1	54.5
31499	All other textile product mills	2 366	3 717 611	12.5	20.0	31.1	46.9	76.0
314991	Rope, cordage, & twine mills	189	377 878	34.1	49.8	70.3	88.7	420.5
314992	Tire cord & tire fabric mills	15	414 831	66.9	92.2	100.0	N	1 498.4
314999	All other miscellaneous textile product mills	2 164	2 924 902	14.9	21.1	31.2	46.6	89.5
315	Apparel mfg	15 839	33 780 193	17.8	23.2	29.9	39.3	104.4
3151	Apparel knitting mills	1 209	4 630 556	22.7	33.4	49.7	66.3	221.9
31511	Hosiery & sock mills	532	2 196 914	31.1	42.5	59.6	80.4	343.3
315111	Sheer hosiery mills	136	797 444	50.4	64.1	88.2	97.3	928.8
315119	Other hosiery & sock mills	399	1 399 470	30.8	43.7	66.2	82.9	347.2
31519	Other apparel knitting mills	683	2 433 642	34.4	47.7	61.4	74.0	509.4
315191	Outerwear knitting mills	645	2 054 507	38.6	49.0	61.8	73.1	647.4
315192	Underwear & nightwear knitting mills	43	379 135	73.1	86.5	98.9	100.0	1 967.2
3152	Cut & sew apparel mfg	12 487	26 800 066	21.2	26.6	33.9	43.3	146.9
31521	Cut & sew apparel contractors	7 677	4 439 438	8.2	11.9	18.4	26.8	27.3
315211	Men's & boys' cut & sew apparel contractors	636	1 241 538	22.1	30.2	43.8	60.2	183.8
315212	Women's, girls', & infants' cut & sew apparel contractors	7 056	3 197 900	6.5	9.9	16.0	23.4	20.4
31522	Men's & boys' cut & sew apparel mfg	1 362	10 513 890	40.0	47.5	59.6	71.7	495.2
315221	Men's & boys' cut & sew underwear & nightwear mfg	62	815 424	74.0	86.8	96.5	99.9	1 918.1
315222	Men's & boys' cut & sew suit, coat, & overcoat mfg	193	1 110 598	45.1	56.9	75.9	91.6	1 103.6
315223	Men's & boys' cut & sew shirt (exc work shirt) mfg	387	3 306 989	44.8	57.4	73.4	85.9	851.8
315224	Men's & boys' cut & sew trouser, slack, & jean mfg	199	3 392 475	70.1	76.5	86.5	94.6	2 376.1
315225	Men's & boys' cut & sew work clothing mfg	149	999 393	55.0	66.6	83.0	95.3	1 048.4
315228	Men's & boys' cut & sew other outerwear mfg ...	430	889 011	24.3	34.8	52.8	72.8	232.6

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315	Apparel mfg—Con.							
3152	Cut & sew apparel mfg—Con.							
31523	Women's & girls' cut & sew apparel mfg	2 927	10 670 675	14.7	21.7	33.2	46.4	90.9
315231	Women's & girls' cut/sew lingerie & nightwear mfg	249	1 705 803	49.3	61.4	75.4	89.8	716.0
315232	Women's & girls' cut & sew blouse & shirt mfg ...	714	1 667 037	15.7	25.5	44.8	66.3	139.5
315233	Women's & girls' cut & sew dress mfg	747	2 011 924	13.3	22.9	38.8	58.9	105.9
315234	Women's & girls' cut & sew suit, coat, skirt mfg ..	428	1 656 257	32.9	45.3	61.3	77.8	381.9
315239	Women's & girls' cut & sew other outerwear mfg ..	818	3 629 654	24.5	37.4	55.8	74.2	244.2
31529	Other cut & sew apparel mfg	665	1 176 063	30.0	40.0	56.7	73.6	361.3
315291	Infants' cut & sew apparel mfg	39	487 099	68.1	82.2	97.8	100.0	1 771.3
315292	Fur & leather apparel mfg	224	115 965	25.0	38.2	56.1	75.4	256.7
315299	All other cut & sew apparel mfg	402	572 999	23.2	38.5	56.7	75.0	241.6
3159	Apparel accessories & other apparel mfg	2 201	2 349 571	16.0	24.4	38.6	52.3	118.2
31599	Apparel accessories & other apparel mfg	2 201	2 349 571	16.0	24.4	38.6	52.3	118.2
315991	Hat, cap, & millinery mfg	363	570 346	36.5	46.5	60.2	77.5	426.0
315992	Glove & mitten mfg	98	337 930	66.9	74.8	86.5	97.2	2 195.6
315993	Men's & boys' neckwear mfg	119	330 533	46.4	60.0	78.2	93.8	685.0
315999	Other apparel accessories & other apparel mfg ..	1 626	1 110 762	17.3	26.2	40.3	54.9	131.8
316	Leather & allied product mfg	1 727	5 407 999	21.8	33.2	48.9	65.8	186.9
3161	Leather & hide tanning & finishing	327	1 372 896	51.9	66.4	79.4	91.3	921.3
31611	Leather & hide tanning & finishing	327	1 372 896	51.9	66.4	79.4	91.3	921.3
316110	Leather & hide tanning & finishing	327	1 372 896	51.9	66.4	79.4	91.3	921.3
3162	Footwear mfg	366	2 219 507	31.4	45.8	67.5	85.6	383.9
31621	Footwear mfg	366	2 219 507	31.4	45.8	67.5	85.6	383.9
316211	Rubber & plastics footwear mfg	50	519 953	57.0	73.3	93.6	100.0	1 158.7
316212	House slipper mfg	22	147 572	81.8	96.4	D	100.0	1 959.2
316213	Men's footwear (except athletic) mfg	123	1 065 698	55.0	72.0	90.9	99.0	1 117.7
316214	Women's footwear (except athletic) mfg	97	373 803	51.5	68.1	89.1	98.7	924.4
316219	Other footwear mfg	87	112 481	29.6	50.5	80.0	96.6	424.8
3169	Other leather & allied product mfg	1 045	1 815 596	29.2	38.4	52.9	68.9	439.8
31699	Other leather & allied product mfg	1 045	1 815 596	29.2	38.4	52.9	68.9	439.8
316991	Luggage mfg	270	858 991	55.3	65.2	76.5	87.6	1 704.2
316992	Women's handbag & purse mfg	136	162 276	61.0	73.9	87.9	96.6	1 641.4
316993	Personal leather good (except women's handbag & purse) mfg	178	279 219	45.4	58.5	80.4	93.3	946.9
316999	All other leather good mfg	464	515 110	28.8	42.6	65.1	80.7	323.2
321	Wood product mfg	15 621	33 493 004	10.2	16.0	25.1	35.8	47.8
3211	Sawmills & wood preservation	4 372	9 481 550	14.2	19.9	29.2	40.9	79.5
32111	Sawmills & wood preservation	4 372	9 481 550	14.2	19.9	29.2	40.9	79.5
321113	Sawmills	4 024	8 521 097	15.7	21.9	32.2	44.0	95.8
321114	Wood preservation	361	960 453	16.3	26.6	48.4	70.8	157.7
3212	Veneer, plywood, & engineered wood product mfg ...	1 491	7 208 798	26.2	38.1	51.2	61.8	260.2
32121	Veneer, plywood, & engineered wood product mfg ...	1 491	7 208 798	26.2	38.1	51.2	61.8	260.2
321211	Hardwood veneer & plywood mfg	303	1 121 661	26.5	35.3	50.8	72.6	326.6
321212	Softwood veneer & plywood mfg	88	1 713 341	50.2	68.6	87.9	98.7	1 034.3
321213	Engineered wood member (except truss) mfg ...	32	476 346	79.1	86.8	96.5	100.0	D
321214	Truss mfg	886	1 584 826	8.2	12.1	22.2	38.3	40.0
321219	Reconstituted wood product mfg	212	2 312 624	44.8	62.4	77.6	91.8	669.9
3219	Other wood product mfg	9 923	16 802 656	12.5	18.7	28.8	38.9	66.1
32191	Millwork	3 985	7 463 664	16.5	23.7	33.7	44.1	96.8
321911	Wood window & door mfg	1 311	3 687 713	32.7	43.9	56.7	68.9	334.0
321912	Cut stock, resawing lumber, & planing	1 296	1 940 712	11.8	16.7	27.5	44.1	69.1
321918	Other millwork (including flooring)	1 416	1 835 239	16.9	22.7	34.2	49.4	119.6
32192	Wood container & pallet mfg	2 870	1 999 828	4.8	7.6	13.4	22.0	13.5
321920	Wood container & pallet mfg	2 870	1 999 828	4.8	7.6	13.4	22.0	13.5
32199	All other wood product mfg	3 103	7 339 164	25.9	36.1	48.9	59.8	250.6
321991	Manufactured home (mobile home) mfg	145	4 009 319	45.4	62.1	82.0	92.8	774.7
321992	Prefabricated wood building mfg	652	1 274 863	13.8	21.6	36.1	57.8	99.1
321999	All other miscellaneous wood product mfg	2 309	2 054 982	21.6	26.6	34.6	46.0	233.0
322	Paper mfg	3 808	70 300 235	21.9	33.4	52.3	67.7	196.6
3221	Pulp, paper, & paperboard mills	217	35 230 199	31.5	48.8	72.4	90.2	392.2
32211	Pulp mills	24	1 507 468	61.2	88.5	99.7	100.0	1 230.9
322110	Pulp mills	24	1 507 468	61.2	88.5	99.7	100.0	1 230.9
32212	Paper mills	139	24 681 603	39.0	57.7	81.0	94.7	537.3
322121	Paper (except newsprint) mills	121	22 128 898	43.5	62.7	85.2	96.7	631.6
322122	Newsprint mills	24	2 552 705	43.9	66.9	D	100.0	759.1
32213	Paperboard mills	81	9 041 128	35.5	54.3	82.6	98.1	522.3
322130	Paperboard mills	81	9 041 128	35.5	54.3	82.6	98.1	522.3
3222	Converted paper product mfg	3 674	35 070 036	15.4	24.8	40.1	54.2	110.0
32221	Paperboard container mfg	1 705	16 169 581	17.1	28.6	46.0	61.1	144.9
322211	Corrugated & solid fiber box mfg	995	9 627 993	23.5	37.5	54.6	67.4	231.9
322212	Folding paperboard box mfg	434	4 118 767	20.9	32.2	51.7	69.8	193.0
322213	Setup paperboard box mfg	142	299 516	17.0	27.5	46.8	76.0	165.1
322214	Fiber can, tube, drum, & similar products mfg	138	952 629	64.3	73.0	83.8	93.3	2 188.9
322215	Nonfolding sanitary food container mfg	46	1 170 676	66.3	83.1	98.3	100.0	1 342.3
32222	Paper bag & coated & treated paper mfg	764	8 708 660	33.6	41.0	53.3	69.7	445.4
322221	Coated & laminated packaging paper & plastics film mfg	73	541 684	37.2	55.5	84.4	99.2	535.7
322222	Coated & laminated paper mfg	509	5 843 950	47.3	53.9	65.4	80.8	918.5
322223	Plastics, foil, & coated paper bag mfg	40	240 445	43.4	67.5	95.1	100.0	724.6
322224	Uncoated paper & multiwall bag mfg	93	1 124 247	53.9	69.2	87.1	97.7	1 007.1
322225	Laminated aluminum foil mfg for flexible packaging uses	34	603 535	57.6	78.2	94.9	100.0	1 047.7
322226	Surface-coated paperboard mfg	42	354 799	57.0	73.0	94.9	100.0	1 122.9

See footnotes at end of table.

Table 3. Share of Value Added Accounted for by the 4, 8, 20, and 50 Largest Companies in Each of the 3-, 4-, 5-, and 6-Digit NAICS Industries: 1997—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Companies ¹	Value added by manufacture (\$1000)	Percent of value added accounted for by the ² —				Herfindahl-Herschmann index for 50 largest companies ³
				4 largest companies	8 largest companies	20 largest companies	50 largest companies	
322	Paper mfg—Con.							
3222	Converted paper product mfg—Con.							
32223	Stationery product mfg	674	3 736 501	28.8	42.7	60.2	75.8	311.3
322231	Die-cut paper & paperboard office supplies mfg ..	337	992 306	44.1	56.8	70.6	82.6	655.2
322232	Envelope mfg	188	1 744 897	38.9	55.0	70.7	87.1	540.0
322233	Stationery, tablet, & related product mfg	158	999 298	59.5	74.0	89.3	96.9	1 309.9
32229	Other converted paper product mfg	623	6 455 294	50.5	60.4	73.9	83.2	980.4
322291	Sanitary paper product mfg	99	4 463 242	72.0	83.2	94.2	99.2	1 990.0
322299	All other converted paper product mfg	529	1 992 052	30.2	38.2	49.0	63.8	291.0
323	Printing & related support activities	40 987	58 392 618	9.0	13.6	20.8	27.5	35.1
3231	Printing & related support activities	40 987	58 392 618	9.0	13.6	20.8	27.5	35.1
32311	Printing	36 617	52 916 516	9.8	14.6	22.5	29.5	41.0
323110	Commercial lithographic printing	18 015	29 460 988	10.3	15.3	22.2	29.2	41.8
323111	Commercial gravure printing	419	1 911 486	55.7	67.2	82.4	93.6	1 308.6
323112	Commercial flexographic printing	864	2 521 146	15.2	23.7	39.3	54.3	111.2
323113	Commercial screen printing	4 096	3 708 959	7.1	12.2	20.9	32.3	30.5
323114	Quick printing	7 990	2 674 764	9.8	12.3	15.9	21.3	30.9
323115	Digital printing	386	270 928	10.3	17.4	33.1	54.7	79.6
323116	Manifold business form printing	719	5 631 433	37.8	53.5	67.5	79.5	518.1
323117	Book printing	690	3 300 926	32.3	45.2	58.9	73.2	367.3
323118	Blankbook, looseleaf binder, & device mfg	283	1 530 134	43.1	55.4	68.1	80.9	678.6
323119	Other commercial printing	3 387	1 905 752	13.6	19.1	28.3	39.0	77.4
32312	Support activities for printing	4 448	5 476 102	6.6	11.5	19.8	29.7	26.3
323121	Tradebinding & related work	1 260	1 487 276	12.1	16.9	25.7	38.9	58.5
323122	Prepress services	3 191	3 988 826	9.0	15.2	24.6	36.6	43.0
324	Petroleum & coal products mfg	1 166	37 610 773	34.1	48.4	71.1	85.1	438.9
3241	Petroleum & coal products mfg	1 166	37 610 773	34.1	48.4	71.1	85.1	438.9
32411	Petroleum refineries	122	30 878 456	41.1	57.4	84.1	97.7	625.2
324110	Petroleum refineries	122	30 878 456	41.1	57.4	84.1	97.7	625.2
32412	Asphalt paving, roofing, & saturated materials mfg ..	674	4 007 042	25.7	36.1	50.2	66.4	250.8
324121	Asphalt paving mixture & block mfg	531	1 974 057	16.9	25.2	39.2	56.6	132.3
324122	Asphalt shingle & coating materials mfg	151	2 032 985	49.9	64.4	83.9	95.8	850.7
32419	Other petroleum & coal products mfg	403	2 725 275	23.5	34.5	56.2	77.4	255.3
324191	Petroleum lubricating oil & grease mfg	344	2 068 913	30.6	42.3	63.5	81.1	371.7
324199	All other petroleum & coal products mfg	61	656 362	41.3	65.3	90.7	99.8	685.3
325	Chemical mfg	9 626	224 684 500	13.8	21.3	36.0	54.6	94.7
3251	Basic chemical mfg	1 203	53 736 421	17.8	30.2	49.2	70.1	168.3
32511	Petrochemical mfg	42	8 359 545	71.5	88.0	98.1	100.0	1 969.5
325110	Petrochemical mfg	42	8 359 545	71.5	88.0	98.1	100.0	1 969.5
32512	Industrial gas mfg	119	3 485 572	67.5	85.1	95.6	98.8	1 312.7
325120	Industrial gas mfg	119	3 485 572	67.5	85.1	95.6	98.8	1 312.7
32513	Dye & pigment mfg	152	3 361 633	46.8	58.4	79.5	94.9	986.5
325131	Inorganic dye & pigment mfg	59	2 030 987	68.1	80.5	95.4	99.9	2 381.6
325132	Synthetic organic dye & pigment mfg	95	1 330 646	43.6	64.0	87.1	98.3	742.8
32518	Other basic inorganic chemical mfg	409	12 729 040	36.9	46.9	66.8	84.5	517.1
325181	Alkalies & chlorine mfg	26	1 421 798	81.2	93.5	99.8	100.0	2 558.5
325182	Carbon black mfg	8	547 537	D	100.0	N	N	2 271.5
325188	All other basic inorganic chemical mfg	385	10 759 705	39.3	49.8	69.1	85.9	654.0
32519	Other basic organic chemical mfg	581	25 800 631	20.2	33.3	54.4	77.2	212.5
325191	Gum & wood chemical mfg	45	469 629	77.2	93.0	98.6	100.0	2 216.3
325192	Cyclic crude & intermediate mfg	36	2 807 384	61.6	79.2	97.8	100.0	1 422.7
325193	Ethyl alcohol mfg	31	226 520	61.6	87.3	99.9	100.0	1 410.0
325199	All other basic organic chemical mfg	487	22 297 098	22.5	34.8	55.6	78.9	237.1
3252	Resin, syn rubber, & artificial & syn fibers & filaments mfg	469	27 307 501	31.5	45.4	65.1	86.1	458.0
32521	Resin & synthetic rubber mfg	406	20 399 243	28.5	42.6	63.2	86.2	319.7
325211	Plastics material & resin mfg	299	17 625 910	29.2	43.3	65.6	87.9	332.9
325212	Synthetic rubber mfg	122	2 773 333	45.5	67.7	94.2	99.0	725.4
32522	Artificial & synthetic fibers & filaments mfg	70	6 908 258	76.8	88.1	97.4	99.9	2 144.6
325221	Cellulosic organic fiber mfg	4	603 753	100.0	N	N	N	D
325222	Noncellulosic organic fiber mfg	67	6 304 505	77.4	89.8	98.0	99.9	2 386.7
3253	Pesticide, fertilizer, & other agricultural chemical mfg ..	692	12 576 259	33.0	52.9	76.8	89.4	437.3
32531	Fertilizer mfg	477	4 900 041	37.2	57.3	78.2	89.4	538.1
325311	Nitrogenous fertilizer mfg	116	1 814 299	57.1	76.6	93.8	98.4	997.1
325312	Phosphatic fertilizer mfg	43	2 062 571	67.4	87.5	99.1	100.0	1 380.3
325314	Fertilizer (mixing only) mfg	334	1 023 171	34.1	44.4	60.3	77.4	428.1
32532	Pesticide & other agricultural chemical mfg	222	7 676 218	54.0	77.3	91.7	96.9	939.4
325320	Pesticide & other agricultural chemical mfg	222	7 676 218	54.0	77.3	91.7	96.9	939.4
3254	Pharmaceutical & medicine mfg	1 428	64 108 002	32.9	49.5	69.7	84.7	441.5
32541	Pharmaceutical & medicine mfg	1 428	64 108 002	32.9	49.5	69.7	84.7	441.5
325411	Medicinal & botanical mfg	312	6 297 660	65.2	76.1	87.5	94.3	1 962.3
325412	Pharmaceutical preparation mfg	707	47 864 824	37.1	52.7	74.1	90.2	489.1
325413	In-vitro diagnostic substance mfg	203	6 253 818	63.5	76.5	86.7	94.7	1 823.3
325414	Biological product (except diagnostic) mfg	267	3 691 700	46.4	65.9	85.5	94.3	771.4
3255	Paint, coating, & adhesive mfg	1 724	12 618 013	24.5	36.7	54.7	68.5	233.9
32551	Paint & coating mfg	1 205	9 234 712	32.8	48.9	66.2	77.3	387.2
325510	Paint & coating mfg	1 205	9 234 712	32.8	48.9	66.2	77.3	387.2
32552	Adhesive mfg	540	3 383 301	23.5	34.2	53.2	74.5	227.6
325520	Adhesive mfg	540	3 383 301	23.5	34.2	53.2	74.5	227.6

See footnotes at end of table.

Table 3. Share of Value Added Accounted for by the 4, 8, 20, and 50 Largest Companies in Each of the 3-, 4-, 5-, and 6-Digit NAICS Industries: 1997—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Companies ¹	Value added by manufacture (\$1000)	Percent of value added accounted for by the ² —				Herfindahl-Herschmann index for 50 largest companies ³
				4 largest companies	8 largest companies	20 largest companies	50 largest companies	
325	Chemical mfg—Con.							
3256	Soap, cleaning compound, & toilet preparation mfg. . .	2 251	34 359 408	35.7	48.9	68.3	79.1	574.4
32561	Soap & cleaning compound mfg	1 583	17 755 669	44.0	60.4	72.7	81.3	728.9
325611	Soap & other detergent mfg	738	10 478 562	68.8	79.6	86.9	91.6	1 744.1
325612	Polish & other sanitation good mfg	675	5 149 717	60.9	66.7	76.2	86.1	1 318.4
325613	Surface active agent mfg	183	2 127 390	42.0	54.1	74.1	91.7	643.1
32562	Toilet preparation mfg	681	16 603 739	41.4	61.2	78.9	88.8	652.9
325620	Toilet preparation mfg	681	16 603 739	41.4	61.2	78.9	88.8	652.9
3259	Other chemical product mfg	2 287	19 978 896	29.7	37.9	49.5	63.8	546.9
32591	Printing ink mfg	255	1 627 402	49.8	58.0	72.2	87.3	851.3
325910	Printing ink mfg	255	1 627 402	49.8	58.0	72.2	87.3	851.3
32592	Explosives mfg	66	789 782	50.9	70.6	92.0	99.8	811.7
325920	Explosives mfg	66	789 782	50.9	70.6	92.0	99.8	811.7
32599	All other chemical product & preparation mfg	1 973	17 561 712	33.8	42.6	53.9	68.1	699.4
325991	Custom compounding of purchased resin	728	3 092 396	16.0	27.0	47.7	65.7	152.0
325992	Photographic film, paper, plate, & chemical mfg. . .	276	7 673 452	75.9	86.1	94.0	98.5	D
325998	All other miscellaneous chemical product & preparation mfg	985	6 795 864	21.6	30.8	49.2	65.3	188.4
326	Plastics & rubber products mfg	13 798	81 349 082	8.0	11.7	18.8	28.6	31.3
3261	Plastics product mfg	11 613	63 280 786	4.4	7.7	14.4	24.2	14.8
32611	Unsupported plastics film, sheet, & bag mfg	1 250	11 591 673	15.3	25.4	42.2	59.7	120.0
326111	Unsupported plastics bag mfg	440	3 402 530	28.2	39.3	55.0	71.8	279.2
326112	Unsupported plastics packaging film & sheet mfg	131	1 606 103	51.1	63.7	77.4	92.7	792.0
326113	Unsupported plastics film & sheet (except packaging) mfg	713	6 583 040	21.1	31.4	49.6	69.5	192.6
32612	Plastics pipe, pipe fitting, & unsupported profile shape mfg	1 048	4 066 325	15.4	25.0	39.6	55.3	114.5
326121	Unsupported plastics profile shape mfg	733	2 273 968	25.1	34.3	48.2	63.4	228.1
326122	Plastics pipe & pipe fitting mfg	317	1 792 357	24.8	37.3	54.4	75.5	241.3
32613	Laminated plastics plate, sheet, & shape mfg	438	1 624 612	41.2	53.3	73.1	86.4	639.2
326130	Laminated plastics plate, sheet, & shape mfg	438	1 624 612	41.2	53.3	73.1	86.4	639.2
32614	Polystyrene foam product mfg	379	2 420 515	41.3	50.3	65.2	83.5	668.7
326140	Polystyrene foam product mfg	379	2 420 515	41.3	50.3	65.2	83.5	668.7
32615	Urethane & other foam product (except polystyrene) mfg	447	2 822 544	32.0	42.3	60.5	77.4	410.9
326150	Urethane & other foam product (except polystyrene) mfg	447	2 822 544	32.0	42.3	60.5	77.4	410.9
32616	Plastics bottle mfg	245	3 097 170	32.7	50.4	72.9	88.0	423.4
326160	Plastics bottle mfg	245	3 097 170	32.7	50.4	72.9	88.0	423.4
32619	Other plastics product mfg	8 077	37 657 947	5.4	8.5	14.5	24.1	16.3
326191	Plastics plumbing fixture mfg	539	1 239 095	35.9	44.8	58.2	73.8	413.1
326192	Resilient floor covering mfg	28	946 321	88.3	98.8	99.9	100.0	D
326199	All other plastics product mfg	7 522	35 472 531	5.1	8.2	13.7	23.3	15.1
3262	Rubber product mfg	2 271	18 068 296	35.8	45.8	57.0	68.1	445.1
32621	Tire mfg	736	7 917 563	69.4	87.4	94.0	96.9	1 667.5
326211	Tire mfg (except retreading)	110	7 521 527	72.5	91.4	98.2	99.8	1 813.5
326212	Tire retreading	628	396 036	24.2	34.8	48.0	63.4	223.3
32622	Rubber & plastics hoses & belting mfg	149	2 162 353	50.3	62.8	80.8	95.4	896.1
326220	Rubber & plastics hoses & belting mfg	149	2 162 353	50.3	62.8	80.8	95.4	896.1
32629	Other rubber product mfg	1 408	7 988 380	11.4	19.2	33.3	50.3	76.3
326291	Rubber product mfg for mechanical use	608	3 857 118	20.7	30.0	45.6	67.3	172.4
326299	All other rubber product mfg	827	4 131 262	14.5	24.1	40.0	58.7	112.1
327	Nonmetallic mineral product mfg	11 921	49 425 491	11.2	18.6	30.3	44.5	65.4
3271	Clay product & refractory mfg	1 715	5 915 703	14.0	23.4	41.6	61.5	115.4
32711	Pottery, ceramics, & plumbing fixture mfg	1 204	2 813 867	23.6	35.6	54.2	72.2	232.2
327111	Vitreous china plumbing fixture & bathroom accessories mfg	43	807 165	65.9	89.2	99.1	100.0	1 545.8
327112	Vitreous china, fine earthenware, & other pottery product mfg	1 034	1 208 102	26.5	37.7	53.7	70.2	266.6
327113	Porcelain electrical supply mfg.	131	798 600	35.5	51.3	74.1	93.7	563.7
32712	Clay building material & refractories mfg	519	3 101 836	21.7	34.3	57.1	75.9	224.9
327121	Brick & structural clay tile mfg	127	970 014	42.2	59.8	75.2	92.7	583.8
327122	Ceramic wall & floor tile mfg	157	556 920	61.1	76.5	91.1	97.4	1 555.0
327123	Other structural clay product mfg	48	80 941	47.7	73.6	96.9	100.0	872.6
327124	Clay refractory mfg	115	564 030	42.2	55.4	74.6	92.8	627.0
327125	Nonclay refractory mfg	91	929 931	40.6	60.2	85.3	97.9	593.5
3272	Glass & glass product mfg	1 996	14 052 256	33.5	48.7	69.8	85.6	407.6
32721	Glass & glass product mfg	1 996	14 052 256	33.5	48.7	69.8	85.6	407.6
327211	Flat glass mfg	13	1 888 714	76.3	99.5	100.0	N	1 780.5
327212	Other pressed & blown glass & glassware mfg. . .	465	4 341 468	47.7	69.3	91.3	96.6	779.0
327213	Glass container mfg	11	2 557 999	91.1	D	100.0	N	2 989.2
327215	Glass product mfg made of purchased glass	1 522	5 264 075	32.5	45.2	65.0	77.2	479.9
3273	Cement & concrete product mfg	5 930	17 964 132	9.2	15.5	27.2	38.1	48.1
32731	Cement mfg	176	4 022 503	34.5	54.5	81.4	97.3	501.4
327310	Cement mfg	176	4 022 503	34.5	54.5	81.4	97.3	501.4
32732	Ready-mix concrete mfg	2 888	7 780 774	6.2	10.2	18.4	31.6	25.6
327320	Ready-mix concrete mfg	2 888	7 780 774	6.2	10.2	18.4	31.6	25.6
32733	Concrete pipe, brick, & block mfg	955	2 655 107	17.9	24.0	34.1	47.9	114.9
327331	Concrete block & brick mfg	708	1 463 652	12.6	18.2	29.3	44.5	73.7
327332	Concrete pipe mfg	264	1 191 455	28.9	39.6	57.6	76.2	331.4
32739	Other concrete product mfg	2 079	3 505 748	10.4	16.6	27.7	42.9	57.0
327390	Other concrete product mfg	2 079	3 505 748	10.4	16.6	27.7	42.9	57.0

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				4 largest companies	8 largest companies	20 largest companies	50 largest companies	
327	Nonmetallic mineral product mfg—Con.							
3274	Lime & gypsum product mfg	230	2 816 807	56.8	67.5	84.2	95.7	1 077.3
32741	Lime mfg	46	614 959	48.0	67.5	89.8	100.0	758.5
327410	Lime mfg	46	614 959	48.0	67.5	89.8	100.0	758.5
32742	Gypsum product mfg	185	2 201 848	71.8	83.3	94.4	98.1	1 704.3
327420	Gypsum product mfg	185	2 201 848	71.8	83.3	94.4	98.1	1 704.3
3279	Other nonmetallic mineral product mfg	2 159	8 676 593	36.5	46.0	54.2	64.4	412.2
32791	Abrasive product mfg	319	2 918 902	63.9	68.6	77.2	85.5	2 061.1
327910	Abrasive product mfg	319	2 918 902	63.9	68.6	77.2	85.5	2 061.1
32799	All other nonmetallic mineral product mfg	1 849	5 757 691	31.8	40.6	50.9	63.8	341.4
327991	Cut stone & stone product mfg	1 004	790 761	21.3	26.4	36.3	49.1	196.4
327992	Ground or treated mineral & earth mfg	261	1 427 108	31.9	43.0	63.6	82.4	517.2
327993	Mineral wool mfg	201	2 601 843	66.8	77.6	87.7	95.9	1 441.3
327999	All other miscellaneous nonmetallic mineral product mfg	404	937 979	16.9	28.4	46.0	66.6	151.5
331	Primary metal mfg	4 076	68 749 487	16.4	25.1	36.8	52.2	107.7
3311	Iron & steel mills & ferroalloy mfg	209	25 432 010	38.3	58.6	76.9	92.8	536.2
33111	Iron & steel mills & ferroalloy mfg	209	25 432 010	38.3	58.6	76.9	92.8	536.2
331111	Iron & steel mills	191	24 868 550	39.1	59.9	78.6	94.3	560.3
331112	Electrometallurgical ferroalloy product mfg	19	563 460	62.5	81.2	100.0	N	1 244.1
3312	Steel product mfg from purchased steel	503	6 762 383	15.7	24.3	38.7	60.7	115.6
33121	Iron & steel pipes & tubes mfg from purchased steel	166	2 784 745	19.8	30.4	53.2	82.4	208.5
331210	Iron & steel pipes & tubes mfg from purchased steel	166	2 784 745	19.8	30.4	53.2	82.4	208.5
33122	Rolling & drawing of purchased steel	346	3 977 638	23.8	33.3	52.0	74.4	214.7
331221	Cold-rolled steel shape mfg	153	2 030 226	46.6	60.2	80.9	96.2	646.0
331222	Steel wire drawing	199	1 947 412	19.4	32.6	55.2	79.4	205.8
3313	Alumina & aluminum production & processing	248	10 063 942	48.6	63.1	77.2	87.8	1 023.3
33131	Alumina & aluminum production & processing	248	10 063 942	48.6	63.1	77.2	87.8	1 023.3
331311	Alumina refining	5	329 432	D	100.0	N	N	D
331312	Primary aluminum production	13	2 432 972	63.6	83.9	100.0	N	1 313.4
331314	Secondary smelting & alloying of aluminum	87	796 535	32.8	47.4	68.6	93.1	420.4
331315	Aluminum sheet, plate, & foil mfg	41	3 546 870	65.8	84.2	97.9	100.0	2 406.8
331316	Aluminum extruded product mfg	105	2 476 351	41.8	55.9	73.3	91.1	666.2
331319	Other aluminum rolling & drawing	30	481 782	56.0	76.6	99.7	100.0	1 045.2
3314	Nonferrous metal (except aluminum) production & processing	698	9 598 600	19.4	29.8	48.0	69.5	167.5
33141	Nonferrous metal (except aluminum) smelting & refining	134	2 455 517	41.2	60.8	84.6	97.2	683.7
331411	Primary smelting & refining of copper	9	1 029 440	91.5	D	100.0	N	2 826.8
331419	Other nonferrous metal primary smelting & refining	127	1 426 077	36.8	54.6	80.5	96.5	493.9
33142	Copper rolling, drawing, extruding, & alloying	154	2 951 706	41.0	53.8	73.8	92.2	574.5
331421	Copper rolling, drawing, & extruding	91	2 303 999	50.2	66.6	87.3	99.1	850.2
331422	Copper wire (except mechanical) drawing	33	324 392	53.5	75.1	97.2	100.0	948.0
331423	Secondary smelting, refining, & alloying of copper	34	323 315	53.0	70.2	91.2	100.0	904.5
33149	Other nonferrous metal rolling, drawing, extruding, & alloying	440	4 191 377	25.6	36.6	58.0	77.3	267.5
331491	Other nonferrous metal rolling, drawing, & extruding	220	2 982 604	34.8	49.1	71.9	88.5	443.7
331492	Other nonferrous metal secondary smelting, refining, & alloying	233	1 208 773	29.7	42.9	63.3	83.6	329.1
3315	Foundries	2 521	16 892 552	12.8	21.0	34.2	48.3	83.4
33151	Ferrous metal foundries	986	10 449 320	17.2	29.6	47.6	64.5	159.5
331511	Iron foundries	602	7 043 449	24.3	39.3	58.1	74.3	262.2
331512	Steel investment foundries	145	1 656 130	48.0	62.1	78.1	91.3	811.9
331513	Steel foundries (except investment)	263	1 749 741	27.2	38.4	61.8	84.2	359.5
33152	Nonferrous metal foundries	1 559	6 443 232	12.2	18.2	30.1	47.1	70.3
331521	Aluminum die-casting foundries	291	1 967 631	21.0	33.3	53.9	75.4	212.1
331522	Nonferrous (except aluminum) die-casting foundries	267	1 128 064	17.9	28.6	50.1	74.5	172.4
331524	Aluminum foundries (except die-casting)	592	2 195 343	16.0	26.9	47.0	68.2	152.8
331525	Copper foundries (except die-casting)	301	511 783	13.5	23.2	42.5	67.8	128.6
331528	Other nonferrous foundries (except die-casting)	136	640 411	74.9	82.4	90.1	97.1	2 369.4
332	Fabricated metal product mfg	58 516	133 493 077	3.0	5.1	9.8	16.3	6.8
3321	Forging & stamping	3 026	12 458 562	6.9	10.7	18.0	28.7	24.4
33211	Forging & stamping	3 026	12 458 562	6.9	10.7	18.0	28.7	24.4
332111	Iron & steel forging	390	2 423 265	24.3	34.3	51.8	73.4	230.2
332112	Nonferrous forging	75	991 288	46.6	65.0	88.7	99.1	910.0
332114	Custom roll forming	360	1 343 729	25.1	34.4	52.1	70.4	337.3
332115	Crown & closure mfg	55	430 618	52.5	77.3	93.1	99.9	973.6
332116	Metal stamping	2 051	6 471 538	7.1	10.1	16.5	27.4	23.0
332117	Powder metallurgy part mfg	114	798 124	31.9	47.1	69.5	91.3	385.1
3322	Cutlery & handtool mfg	1 545	7 483 422	20.9	30.8	48.3	65.3	201.1
33221	Cutlery & handtool mfg	1 545	7 483 422	20.9	30.8	48.3	65.3	201.1
332211	Cutlery & flatware (except precious) mfg	163	1 565 685	69.6	79.0	90.2	97.2	2 500.2
332212	Hand & edge tool mfg	1 164	4 296 327	20.8	32.3	49.3	65.9	183.8
332213	Saw blade & handsaw mfg	166	878 749	39.8	54.3	79.4	93.6	659.4
332214	Kitchen utensil, pot, & pan mfg	69	742 661	61.5	81.7	94.3	99.9	1 460.1

See footnotes at end of table.

Table 3. Share of Value Added Accounted for by the 4, 8, 20, and 50 Largest Companies in Each of the 3-, 4-, 5-, and 6-Digit NAICS Industries: 1997—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Companies ¹	Value added by manufacture (\$1000)	Percent of value added accounted for by the ² —				Herfindahl-Herschmann index for 50 largest companies ³
				4 largest companies	8 largest companies	20 largest companies	50 largest companies	
332	Fabricated metal product mfg—Con.							
3323	Architectural & structural metals mfg	11 649	26 495 235	4.1	6.9	12.9	21.5	12.2
33231	Plate work & fabricated structural product mfg	4 423	10 810 136	8.3	13.1	21.4	32.6	37.2
332311	Prefabricated metal building & component mfg ..	557	1 992 908	25.7	39.3	58.6	75.1	262.3
332312	Fabricated structural metal mfg	2 872	7 263 292	10.5	15.3	24.7	36.9	52.9
332313	Plate work mfg	1 011	1 553 936	7.5	12.6	23.5	40.2	41.3
33232	Ornamental & architectural metal products mfg	7 275	15 685 099	4.6	7.8	14.9	24.8	15.7
332321	Metal window & door mfg	1 249	4 775 082	13.1	22.0	40.2	59.1	106.0
332322	Sheet metal work mfg	4 202	8 660 105	4.0	6.8	12.5	21.9	11.8
332323	Ornamental & architectural metal work mfg	1 845	2 249 912	13.6	21.4	31.2	43.6	77.0
3324	Boiler, tank, & shipping container mfg	1 526	8 927 099	23.8	34.4	47.6	59.9	208.3
33241	Power boiler & heat exchanger mfg	436	2 073 515	18.1	27.5	43.7	64.5	157.9
332410	Power boiler & heat exchanger mfg	436	2 073 515	18.1	27.5	43.7	64.5	157.9
33242	Metal tank (heavy gauge) mfg	552	2 394 902	16.2	25.1	40.9	59.0	123.9
332420	Metal tank (heavy gauge) mfg	552	2 394 902	16.2	25.1	40.9	59.0	123.9
33243	Metal can, box, & other metal container (light gauge) mfg	557	4 458 682	47.7	68.2	79.2	88.2	755.5
332431	Metal can mfg	107	3 497 960	60.8	86.6	96.6	99.5	1 211.5
332439	Other metal container mfg	455	960 722	19.2	28.4	47.0	67.3	165.8
3325	Hardware mfg	906	6 162 972	18.6	28.1	48.3	69.5	168.7
33251	Hardware mfg	906	6 162 972	18.6	28.1	48.3	69.5	168.7
332510	Hardware mfg	906	6 162 972	18.6	28.1	48.3	69.5	168.7
3326	Spring & wire product mfg	1 646	4 540 614	14.4	20.3	30.9	44.8	95.1
33261	Spring & wire product mfg	1 646	4 540 614	14.4	20.3	30.9	44.8	95.1
332611	Spring (heavy gauge) mfg	124	422 894	26.6	45.2	67.9	91.9	337.5
332612	Spring (light gauge) mfg	320	1 393 527	35.2	46.2	60.8	77.0	495.6
332618	Other fabricated wire product mfg	1 213	2 724 193	12.7	19.7	31.4	47.2	77.9
3327	Machine shops, turned product, & screw, nut, & bolt mfg	26 999	28 535 557	3.4	5.2	7.8	11.9	5.4
33271	Machine shops	23 430	18 330 482	1.2	2.0	3.8	7.3	1.2
332710	Machine shops	23 430	18 330 482	1.2	2.0	3.8	7.3	1.2
33272	Turned product & screw, nut, & bolt mfg	3 593	10 205 075	9.4	14.2	21.1	31.1	39.8
332721	Precision turned product mfg	2 696	5 493 232	3.6	6.7	13.1	22.9	12.5
332722	Bolt, nut, screw, rivet, & washer mfg	913	4 711 843	20.3	30.5	43.4	59.3	173.6
3328	Coating, engraving, heat treating, & allied activities ..	5 885	10 331 294	5.9	9.4	15.6	24.7	18.2
33281	Coating, engraving, heat treating, & allied activities ..	5 885	10 331 294	5.9	9.4	15.6	24.7	18.2
332811	Metal heat treating	662	2 020 611	15.8	23.9	39.3	54.5	116.9
332812	Metal coating/engraving (exc jewelry/silverware)/allied services	1 978	4 154 477	14.4	21.1	32.0	44.5	80.5
332813	Electroplating, plating, polishing, anodizing, & coloring	3 286	4 156 206	3.9	6.9	12.6	21.9	11.9
3329	Other fabricated metal product mfg	6 040	28 558 322	10.5	17.7	30.7	45.3	63.8
33291	Metal valve mfg	1 077	12 516 090	19.6	30.2	44.5	62.4	156.0
332911	Industrial valve mfg	429	5 115 344	28.3	38.7	57.1	76.2	352.5
332912	Fluid power valve & hose fitting mfg	360	3 934 823	40.8	53.4	71.2	86.1	531.9
332913	Plumbing fixture fitting & trim mfg	97	1 863 303	46.8	59.5	79.1	96.1	994.7
332919	Other metal valve & pipe fitting mfg	220	1 602 620	25.8	38.3	62.2	83.2	291.5
33299	All other fabricated metal product mfg	5 011	16 042 232	12.7	20.1	34.2	47.8	82.5
332991	Ball & roller bearing mfg	116	3 742 916	47.4	65.6	88.4	98.5	848.6
332992	Small arms ammunition mfg	107	610 244	88.8	94.2	97.7	99.5	D
332993	Ammunition (except small arms) mfg	45	834 457	64.9	85.2	98.7	100.0	1 456.3
332994	Small arms mfg	189	860 866	47.0	66.7	86.8	94.6	741.3
332995	Other ordnance & accessories mfg	65	1 021 358	81.8	89.2	96.1	99.8	2 079.7
332996	Fabricated pipe & pipe fitting mfg	806	2 104 979	18.2	25.4	37.3	54.7	133.1
332997	Industrial pattern mfg	668	483 129	11.5	18.3	30.7	48.3	71.0
332998	Enameled iron & metal sanitary ware mfg	82	969 728	58.0	76.9	94.6	99.4	1 733.9
332999	All other miscellaneous fabricated metal product mfg	2 955	5 414 555	10.0	14.8	23.8	36.8	46.4
333	Machinery mfg	27 983	137 934 706	11.2	14.7	22.4	32.2	49.0
3331	Agriculture, construction, & mining machinery mfg ...	2 832	24 431 912	37.9	44.2	57.1	69.2	602.4
33311	Agricultural implement mfg	1 386	10 355 405	52.2	61.0	72.3	82.3	1 619.6
333111	Farm machinery & equipment mfg	1 264	7 624 789	57.9	63.8	72.6	81.7	2 133.8
333112	Lawn & garden tractor & home lawn & garden equipment mfg	127	2 730 616	57.0	78.0	94.2	98.8	1 054.4
33312	Construction machinery mfg	723	9 129 152	48.9	59.3	71.8	83.9	1 017.7
333120	Construction machinery mfg	723	9 129 152	48.9	59.3	71.8	83.9	1 017.7
33313	Mining & oil & gas field machinery mfg	748	4 947 355	24.7	39.5	60.2	76.1	267.4
333131	Mining machinery & equipment mfg	261	1 379 429	38.6	53.7	70.0	86.0	523.3
333132	Oil & gas field machinery & equipment mfg	494	3 567 926	32.0	48.0	70.1	83.9	403.4
3332	Industrial machinery mfg	4 439	19 456 056	12.5	18.8	28.6	41.7	76.8
33321	Sawmill & woodworking machinery mfg	312	681 679	25.7	40.2	62.3	81.8	286.9
333210	Sawmill & woodworking machinery mfg	312	681 679	25.7	40.2	62.3	81.8	286.9
33322	Plastics & rubber industry machinery mfg	427	1 950 024	34.4	45.8	61.0	78.4	468.2
333220	Plastics & rubber industry machinery mfg	427	1 950 024	34.4	45.8	61.0	78.4	468.2
33329	Other industrial machinery mfg	3 713	16 824 353	14.4	21.2	31.6	45.2	97.4
333291	Paper industry machinery mfg	330	1 622 283	29.8	44.1	66.0	82.2	350.5
333292	Textile machinery mfg	454	1 026 304	30.9	40.9	57.0	73.9	390.6
333293	Printing machinery & equipment mfg	504	2 030 816	28.8	41.8	58.7	74.6	323.7
333294	Food product machinery mfg	573	1 581 509	19.7	29.0	43.4	62.4	154.9
333295	Semiconductor machinery mfg	244	6 010 313	40.0	56.3	76.1	90.9	660.4
333298	All other industrial machinery mfg	1 634	4 553 128	11.1	17.2	27.6	42.7	59.8

See footnotes at end of table.

Table 3. Share of Value Added Accounted for by the 4, 8, 20, and 50 Largest Companies in Each of the 3-, 4-, 5-, and 6-Digit NAICS Industries: 1997—Con.

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				4 largest companies	8 largest companies	20 largest companies	50 largest companies	
333	Machinery mfg—Con.							
3333	Commercial & service industry machinery mfg	2 492	14 215 075	31.1	37.1	49.2	60.8	552.8
33331	Commercial & service industry machinery mfg	2 492	14 215 075	31.1	37.1	49.2	60.8	552.8
333311	Automatic vending machine mfg	117	604 438	66.2	83.2	91.1	97.1	1 490.9
333312	Commercial laundry, drycleaning, & pressing machine mfg	63	270 351	45.0	66.0	91.4	99.8	770.0
333313	Office machinery mfg	158	1 807 173	60.8	71.3	83.0	94.5	1 340.7
333314	Optical instrument & lens mfg	482	1 979 483	30.4	39.8	55.3	73.7	320.4
333315	Photographic & photocopying equipment mfg	412	4 478 703	D	85.7	90.7	94.4	D
333319	Other commercial & service industry machinery mfg	1 274	5 074 927	16.8	25.6	40.5	57.9	120.1
3334	Ventilation, heating, AC, & commercial refrigeration equip mfg	1 563	14 637 803	28.0	37.3	52.4	65.3	252.0
33341	Ventilation, heating, AC, & commercial refrigeration equip mfg	1 563	14 637 803	28.0	37.3	52.4	65.3	252.0
333411	Air purification equipment mfg	333	1 199 939	22.6	36.8	57.3	77.6	244.1
333412	Industrial & commercial fan & blower mfg	173	1 003 573	24.0	39.5	65.7	87.2	289.0
333414	Heating equipment (except warm air furnaces) mfg	441	2 068 353	19.7	30.1	49.3	72.3	181.4
333415	AC & warm air heating & commercial/industrial refrig equip mfg	646	10 365 938	39.2	52.0	71.4	83.1	481.8
3335	Metalworking machinery mfg	10 000	19 331 066	6.9	9.6	15.2	23.2	21.7
33351	Metalworking machinery mfg	10 000	19 331 066	6.9	9.6	15.2	23.2	21.7
333511	Industrial mold mfg	2 475	3 685 924	6.3	9.4	16.3	26.1	20.6
333512	Machine tool (metal cutting types) mfg	368	2 666 276	24.9	40.4	56.9	73.9	277.3
333513	Machine tool (metal forming types) mfg	219	1 285 781	22.9	35.8	55.2	74.5	225.7
333514	Special die & tool, die set, jig, & fixture mfg	4 667	5 938 346	5.7	8.6	14.6	24.0	16.6
333515	Cutting tool & machine tool accessory mfg	1 820	3 614 484	22.7	28.9	39.9	53.7	228.4
333516	Rolling mill machinery & equipment mfg	98	363 586	53.9	70.9	86.0	97.5	920.5
333518	Other metalworking machinery mfg	446	1 776 669	16.3	24.6	39.4	60.1	120.0
3336	Engine, turbine, & power transmission equipment mfg	789	14 530 618	39.8	54.8	69.6	83.6	566.2
33361	Engine, turbine, & power transmission equipment mfg	789	14 530 618	39.8	54.8	69.6	83.6	566.2
333611	Turbine & turbine generator set unit mfg	68	2 841 914	79.4	90.5	97.0	99.9	2 403.9
333612	Speed changer, industrial high-speed drive, & gear mfg	237	1 461 859	30.8	44.6	67.0	82.9	350.8
333613	Mechanical power transmission equipment mfg	259	1 886 164	24.7	40.1	65.7	86.5	300.8
333618	Other engine equipment mfg	245	8 340 681	56.9	75.6	89.4	96.9	1 052.8
3339	Other general-purpose machinery mfg	6 347	31 332 176	5.6	10.5	21.5	36.6	32.2
33391	Pump & compressor mfg	723	6 640 563	18.8	29.6	50.6	72.8	174.7
333911	Pump & pumping equipment mfg	406	3 403 918	24.2	39.2	60.7	83.0	275.6
333912	Air & gas compressor mfg	269	2 646 794	32.2	48.1	71.2	90.2	406.4
333913	Measuring & dispensing pump mfg	63	589 851	56.1	77.4	93.5	99.5	1 108.1
33392	Material handling equipment mfg	1 741	7 238 952	12.4	21.6	36.5	49.8	86.2
333921	Elevator & moving stairway mfg	178	748 229	50.8	63.5	76.0	89.6	777.6
333922	Conveyor & conveying equipment mfg	864	3 069 183	18.0	24.3	35.2	50.8	116.2
333923	Overhead traveling crane, hoist, & monorail system mfg	283	1 451 136	32.9	47.2	68.4	84.8	407.1
333924	Industrial truck, tractor, trailer, & stacker machinery mfg	435	1 970 404	36.7	47.6	63.3	77.7	431.7
33399	All other general-purpose machinery mfg	3 938	17 452 661	9.4	17.5	29.5	44.2	58.8
333991	Power-driven handtool mfg	198	1 983 354	47.5	68.3	88.9	95.8	825.0
333992	Welding & soldering equipment mfg	218	2 027 004	50.4	61.7	74.1	88.9	772.8
333993	Packaging machinery mfg	644	2 706 010	19.0	28.5	45.4	64.1	161.0
333994	Industrial process furnace & oven mfg	378	1 514 761	21.3	35.0	51.2	70.4	205.0
333995	Fluid power cylinder & actuator mfg	282	2 155 657	47.5	56.4	71.2	87.7	724.0
333996	Fluid power pump & motor mfg	149	1 526 099	47.5	73.0	89.6	96.4	798.7
333997	Scale & balance (except laboratory) mfg	110	329 428	50.7	62.7	78.8	94.5	1 029.4
333999	All other miscellaneous general-purpose machinery mfg	2 005	5 210 348	13.7	19.8	32.4	48.6	97.9
334	Computer & electronic product mfg	15 492	252 629 768	20.8	30.3	42.3	56.1	170.7
3341	Computer & peripheral equipment mfg	1 870	44 111 746	28.1	48.8	69.8	85.0	359.6
33411	Computer & peripheral equipment mfg	1 870	44 111 746	28.1	48.8	69.8	85.0	359.6
334111	Electronic computer mfg	531	25 908 268	40.0	68.4	90.0	96.6	658.2
334112	Computer storage device mfg	203	7 386 606	52.1	76.9	93.0	98.2	902.4
334113	Computer terminal mfg	141	531 875	40.0	63.8	84.7	96.4	611.7
334119	Other computer peripheral equipment mfg	1 015	10 284 997	41.9	54.8	69.0	83.1	557.3
3342	Communications equipment mfg	2 078	48 040 124	36.4	49.2	65.2	77.4	434.6
33421	Telephone apparatus mfg	548	23 766 132	55.3	68.9	81.6	90.4	1 061.1
334210	Telephone apparatus mfg	548	23 766 132	55.3	68.9	81.6	90.4	1 061.1
33422	Radio & TV broadcasting & wireless communications equipment mfg	1 096	21 773 109	47.9	59.0	71.2	81.4	836.5
334220	Radio & TV broadcasting & wireless communications equipment mfg	1 096	21 773 109	47.9	59.0	71.2	81.4	836.5
33429	Other communications equipment mfg	461	2 500 883	43.3	54.8	72.0	86.1	679.1
334290	Other communications equipment mfg	461	2 500 883	43.3	54.8	72.0	86.1	679.1
3343	Audio & video equipment mfg	521	2 372 815	34.1	51.1	69.9	85.6	437.2
33431	Audio & video equipment mfg	521	2 372 815	34.1	51.1	69.9	85.6	437.2
334310	Audio & video equipment mfg	521	2 372 815	34.1	51.1	69.9	85.6	437.2

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				4 largest companies	8 largest companies	20 largest companies	50 largest companies	
334	Computer & electronic product mfg—Con.							
3344	Semiconductor & other electronic component mfg . . .	5 652	94 354 658	41.7	50.7	62.1	71.6	688.7
33441	Semiconductor & other electronic component mfg . .	5 652	94 354 658	41.7	50.7	62.1	71.6	688.7
334411	Electron tube mfg	147	1 568 417	52.0	71.5	88.4	97.5	1 012.0
334412	Bare printed circuit board mfg	1 319	5 062 300	18.2	26.7	41.6	59.5	136.9
334413	Semiconductor & related device mfg	993	64 135 313	59.9	70.3	83.2	91.7	1 407.3
334414	Electronic capacitor mfg	112	1 444 666	63.6	74.7	87.7	97.2	1 251.6
334415	Electronic resistor mfg	90	801 153	36.2	53.4	79.8	96.6	577.2
334416	Electronic coil, transformer, & other inductor mfg .	426	936 268	11.5	19.4	35.1	54.4	88.1
334417	Electronic connector mfg	281	3 788 056	51.0	63.1	77.7	89.2	1 536.7
334418	Printed circuit assembly (electronic assembly) mfg	673	10 592 734	39.1	52.5	65.6	76.8	487.3
334419	Other electronic component mfg	1 781	6 025 751	9.4	14.9	27.6	45.1	55.3
3345	Navigational, measuring, medical, & control instruments mfg	4 845	58 284 906	26.8	36.0	49.8	63.6	249.2
33451	Navigational, measuring, medical, & control instruments mfg	4 845	58 284 906	26.8	36.0	49.8	63.6	249.2
334510	Electromedical & electrotherapeutic apparatus mfg	490	7 619 290	25.1	41.6	64.4	83.9	293.2
334511	Search, detection, navigation, & guidance instrument mfg	579	23 155 326	59.1	77.1	88.9	95.3	1 234.5
334512	Automatic environmental control mfg	297	1 737 147	55.5	66.8	79.2	88.8	1 001.3
334513	Industrial process control instrument mfg	919	4 914 894	33.8	42.3	55.5	68.9	424.8
334514	Totalizing fluid meter & counting device mfg	210	1 996 360	50.9	68.4	85.5	94.1	954.2
334515	Electricity measuring & testing instrument mfg . . .	762	8 991 807	44.7	55.0	66.7	79.8	658.8
334516	Analytical laboratory instrument mfg	637	4 111 184	33.5	47.6	62.0	76.3	373.2
334517	Irradiation apparatus mfg	134	2 075 258	59.1	75.1	90.7	97.3	1 244.0
334518	Watch, clock, & part mfg	145	550 979	51.6	66.5	88.2	97.3	854.5
334519	Other measuring & controlling device mfg	826	3 132 661	16.4	27.3	41.7	59.3	130.1
3346	Mfg & reproducing magnetic & optical media	843	5 465 519	26.3	42.0	64.3	81.1	297.0
33461	Mfg & reproducing magnetic & optical media	843	5 465 519	26.3	42.0	64.3	81.1	297.0
334611	Software reproducing	112	786 164	65.6	74.2	86.5	96.4	D
334612	Prerecorded CD (except software), tape, & record reproducing	492	2 379 126	38.7	54.3	73.4	84.9	519.1
334613	Magnetic & optical recording media mfg	241	2 300 229	39.1	60.7	88.4	96.5	599.2
335	Electrical equipment, appliance, & component mfg	5 839	57 215 610	15.1	24.5	38.0	51.7	114.2
3351	Electric lighting equipment mfg	1 211	7 038 950	36.3	49.1	61.5	72.5	465.7
33511	Electric lamp bulb & part mfg	54	2 119 597	89.7	94.1	98.7	99.9	D
335110	Electric lamp bulb & part mfg	54	2 119 597	89.7	94.1	98.7	99.9	D
33512	Lighting fixture mfg	1 160	4 919 353	25.7	36.5	50.5	64.9	226.6
335121	Residential electric lighting fixture mfg	543	1 166 774	23.3	35.3	54.5	72.6	259.1
335122	Commercial/industrial/institutional electric lighting fixture mfg	326	2 070 729	37.5	54.3	68.8	82.8	511.6
335129	Other lighting equipment mfg	310	1 681 850	25.5	40.0	62.0	82.4	280.5
3352	Household appliance mfg	265	10 082 604	53.2	65.5	82.7	96.8	839.8
33521	Small electrical appliance mfg	144	2 869 205	36.4	55.7	87.9	98.7	559.0
335211	Electric housewares & household fan mfg	119	1 666 523	47.6	69.3	92.9	99.1	790.3
335212	Household vacuum cleaner mfg	25	1 202 682	67.0	94.4	99.9	100.0	1 664.8
33522	Major appliance mfg	126	7 213 399	66.1	81.3	95.5	99.9	1 319.6
335221	Household cooking appliance mfg	77	1 704 606	64.7	84.0	98.3	99.9	1 334.0
335222	Household refrigerator & home freezer mfg	21	1 941 186	82.8	97.6	D	100.0	2 161.6
335224	Household laundry equipment mfg	10	1 792 070	92.7	D	100.0	N	D
335228	Other major household appliance mfg	32	1 775 537	68.1	95.2	99.9	100.0	1 429.7
3353	Electrical equipment mfg	2 517	19 241 142	26.8	41.8	56.6	68.1	271.5
33531	Electrical equipment mfg	2 517	19 241 142	26.8	41.8	56.6	68.1	271.5
335311	Power, distribution, & specialty transformer mfg . .	275	2 566 056	44.0	61.7	79.3	91.8	646.1
335312	Motor & generator mfg	559	6 123 289	39.3	51.7	69.9	85.2	580.9
335313	Switchgear & switchboard apparatus mfg	496	4 322 599	52.7	65.6	77.9	86.4	912.3
335314	Relay & industrial control mfg	1 241	6 229 198	34.1	44.7	55.7	68.5	465.2
3359	Other electrical equipment & component mfg	1 939	20 852 914	11.3	17.8	33.1	54.3	82.4
33591	Battery mfg	127	3 560 826	48.1	74.4	93.1	99.1	910.1
335911	Storage battery mfg	96	2 169 833	55.8	76.0	93.2	99.5	931.9
335912	Primary battery mfg	35	1 390 993	89.1	97.8	99.9	100.0	D
33592	Communication & energy wire & cable mfg	219	6 229 721	30.2	43.0	68.4	86.8	390.3
335921	Fiber optic cable mfg	36	1 373 769	70.6	85.1	97.5	100.0	2 353.5
335929	Other communication & energy wire mfg	193	4 855 952	26.0	41.3	68.7	87.3	312.1
33593	Wiring device mfg	604	6 008 044	19.8	33.3	56.2	78.9	210.5
335931	Current-carrying wiring device mfg	446	3 553 666	23.4	36.8	61.8	81.8	259.4
335932	Noncurrent-carrying wiring device mfg	168	2 454 378	35.7	57.6	82.8	95.9	516.8
33599	All other electrical equipment & component mfg . . .	1 026	5 054 323	12.2	21.7	37.4	55.4	93.7
335991	Carbon & graphite product mfg	99	1 267 908	48.5	70.7	88.9	97.7	769.8
335999	All other miscellaneous electrical equipment & component mfg	928	3 786 415	12.7	20.4	34.9	53.0	85.0
336	Transportation equipment mfg	10 979	227 510 551	44.7	54.0	66.0	74.8	708.7
3361	Motor vehicle mfg	325	72 574 976	87.3	93.8	98.8	99.7	D
33611	Automobile & light duty motor vehicle mfg	253	68 314 274	92.8	98.1	99.6	99.9	D
336111	Automobile mfg	173	28 937 270	87.4	97.0	99.4	99.9	2 725.0
336112	Light truck & utility vehicle mfg	84	39 377 004	99.5	99.9	99.9	99.9	D
33612	Heavy duty truck mfg	75	4 260 702	79.2	90.2	98.3	99.8	1 683.6
336120	Heavy duty truck mfg	75	4 260 702	79.2	90.2	98.3	99.8	1 683.6
3362	Motor vehicle body & trailer mfg	1 922	7 693 717	18.4	26.7	41.1	57.0	140.9
33621	Motor vehicle body & trailer mfg	1 922	7 693 717	18.4	26.7	41.1	57.0	140.9
336211	Motor vehicle body mfg	747	2 995 537	27.6	36.4	53.1	72.0	364.5
336212	Truck trailer mfg	355	1 788 126	39.8	50.6	68.1	84.7	521.8
336213	Motor home mfg	75	1 178 051	53.4	76.8	94.3	99.9	1 005.3
336214	Travel trailer & camper mfg	761	1 732 003	24.4	32.2	46.7	66.3	261.9

See footnotes at end of table.

Table 3. Share of Value Added Accounted for by the 4, 8, 20, and 50 Largest Companies in Each of the 3-, 4-, 5-, and 6-Digit NAICS Industries: 1997—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Companies ¹	Value added by manufacture (\$1000)	Percent of value added accounted for by the ² —				Herfindahl-Herschmann index for 50 largest companies ³
				4 largest companies	8 largest companies	20 largest companies	50 largest companies	
336	Transportation equipment mfg—Con.							
3363	Motor vehicle parts mfg	4 767	73 797 867	38.3	45.6	57.6	68.3	531.4
33631	Motor vehicle gasoline engine & engine parts mfg . .	924	9 597 585	47.8	61.3	74.3	86.8	777.6
336311	Carburetor, piston, piston ring, & valve mfg	122	1 587 949	57.3	77.9	92.9	98.6	1 246.7
336312	Gasoline engine & engine parts mfg	810	8 009 636	51.6	64.2	76.7	89.0	817.4
33632	Motor vehicle electrical & electronic equipment mfg	981	9 574 476	51.6	59.2	73.0	84.8	1 398.4
336321	Vehicular lighting equipment mfg	99	1 612 341	57.8	76.8	92.6	99.4	1 136.8
336322	Other motor vehicle electrical & electronic equipment mfg	890	7 962 135	53.5	62.5	75.2	85.7	1 594.5
33633	Motor vehicle steering & suspension component (except spring) mfg	183	5 234 835	63.4	76.6	87.6	97.4	1 801.2
336330	Motor vehicle steering & suspension component (except spring) mfg	183	5 234 835	63.4	76.6	87.6	97.4	1 801.2
33634	Motor vehicle brake system mfg	203	4 046 472	51.6	72.7	87.6	96.7	1 011.4
336340	Motor vehicle brake system mfg	203	4 046 472	51.6	72.7	87.6	96.7	1 011.4
33635	Motor vehicle transmission & power train parts mfg .	427	11 916 802	55.4	78.1	89.8	95.6	952.1
336350	Motor vehicle transmission & power train parts mfg	427	11 916 802	55.4	78.1	89.8	95.6	952.1
33636	Motor vehicle seating & interior trim mfg	280	4 272 286	61.2	73.4	85.7	95.5	1 355.3
336360	Motor vehicle seating & interior trim mfg	280	4 272 286	61.2	73.4	85.7	95.5	1 355.3
33637	Motor vehicle metal stamping	662	10 915 335	45.0	50.1	58.4	70.3	663.4
336370	Motor vehicle metal stamping	662	10 915 335	45.0	50.1	58.4	70.3	663.4
33639	Other motor vehicle parts mfg	1 321	18 240 076	31.7	41.6	56.6	71.3	337.0
336391	Motor vehicle air-conditioning mfg	58	2 701 288	82.4	91.7	98.6	99.9	D
336399	All other motor vehicle parts mfg	1 271	15 538 788	24.7	36.1	53.3	69.4	228.5
3364	Aerospace product & parts mfg	1 530	57 688 592	55.6	75.0	85.2	90.8	1 030.8
33641	Aerospace product & parts mfg	1 530	57 688 592	55.6	75.0	85.2	90.8	1 030.8
336411	Aircraft mfg	172	20 767 608	80.9	94.6	98.0	99.6	2 526.2
336412	Aircraft engine & engine parts mfg	281	11 679 669	74.2	79.9	86.2	93.4	1 753.7
336413	Other aircraft part & auxiliary equipment mfg . . .	1 049	13 110 835	55.2	68.6	77.2	85.6	1 126.2
336414	Guided missile & space vehicle mfg	15	9 492 504	91.6	99.6	100.0	N	D
336415	Guided missile & space vehicle propulsion unit & parts mfg	19	2 062 154	78.6	97.2	100.0	N	2 055.5
336419	Other guided missile & space vehicle parts & auxiliary equip mfg	48	575 822	71.6	85.7	97.1	100.0	2 327.4
3365	Railroad rolling stock mfg	173	3 345 283	52.9	71.3	89.3	97.3	1 219.9
33651	Railroad rolling stock mfg	173	3 345 283	52.9	71.3	89.3	97.3	1 219.9
336510	Railroad rolling stock mfg	173	3 345 283	52.9	71.3	89.3	97.3	1 219.9
3366	Ship & boat building	1 630	8 602 771	43.1	53.7	65.4	75.5	578.7
33661	Ship & boat building	1 630	8 602 771	43.1	53.7	65.4	75.5	578.7
336611	Ship building & repairing	649	6 202 797	56.1	66.1	77.2	86.9	1 020.2
336612	Boat building	984	2 399 974	38.9	47.2	58.3	72.4	620.1
3369	Other transportation equipment mfg	758	3 807 345	40.4	56.6	75.8	84.8	610.1
33699	Other transportation equipment mfg	758	3 807 345	40.4	56.6	75.8	84.8	610.1
336991	Motorcycle, bicycle, & parts mfg	373	1 605 782	63.9	74.7	84.2	91.5	2 104.3
336992	Military armored vehicle, tank, & tank component mfg	37	543 119	86.1	92.6	98.9	100.0	D
336999	All other transportation equipment mfg	349	1 658 444	50.3	71.7	81.6	90.4	807.3
337	Furniture & related product mfg	19 838	34 839 134	12.6	19.2	28.6	38.8	67.7
3371	Household & institutional furniture & kitchen cabinet mfg	14 732	19 152 783	14.3	19.6	29.5	40.9	77.4
33711	Wood kitchen cabinet & counter top mfg	7 872	5 155 365	19.2	27.0	37.3	45.5	129.2
337110	Wood kitchen cabinet & counter top mfg	7 872	5 155 365	19.2	27.0	37.3	45.5	129.2
33712	Household & institutional furniture mfg	6 867	13 997 418	18.9	25.1	35.7	48.3	129.7
337121	Upholstered household furniture mfg	1 566	3 978 674	34.0	41.7	55.8	69.4	356.1
337122	Nonupholstered wood household furniture mfg . . .	3 677	5 905 184	26.2	36.9	51.8	65.3	256.8
337124	Metal household furniture mfg	389	1 235 159	24.7	37.8	62.8	82.3	270.9
337125	Household furniture (except wood & metal) mfg . .	211	271 862	47.8	64.3	81.0	93.2	745.1
337127	Institutional furniture mfg	977	2 456 703	19.4	28.3	42.1	58.8	159.0
337129	Wood television, radio, & sewing machine cabinet mfg	99	149 836	45.5	61.3	84.3	96.8	742.2
3372	Office furniture (including fixtures) mfg	4 086	12 559 656	30.8	38.2	45.0	53.3	315.8
33721	Office furniture (including fixtures) mfg	4 086	12 559 656	30.8	38.2	45.0	53.3	315.8
337211	Wood office furniture mfg	639	1 744 454	35.9	43.8	55.8	70.7	433.4
337212	Custom architectural woodwork & millwork mfg . .	1 094	1 352 631	8.6	12.8	21.5	36.2	39.3
337214	Office furniture (except wood) mfg	303	5 018 286	67.2	81.3	88.9	94.8	1 505.3
337215	Showcase, partition, shelving, & locker mfg	2 073	4 444 285	11.3	16.7	27.5	42.0	63.1
3379	Other furniture related product mfg	1 071	3 126 695	36.2	46.6	57.8	69.3	400.7
33791	Mattress mfg	628	1 977 231	41.6	48.6	58.9	71.9	658.1
337910	Mattress mfg	628	1 977 231	41.6	48.6	58.9	71.9	658.1
33792	Blind & shade mfg	443	1 149 464	55.2	66.6	76.9	87.3	1 029.3
337920	Blind & shade mfg	443	1 149 464	55.2	66.6	76.9	87.3	1 029.3

See footnotes at end of table.

Table 3. Share of Value Added Accounted for by the 4, 8, 20, and 50 Largest Companies in Each of the 3-, 4-, 5-, and 6-Digit NAICS Industries: 1997—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Companies ¹	Value added by manufacture (\$1000)	Percent of value added accounted for by the ² —				Herfindahl-Herschmann index for 50 largest companies ³
				4 largest companies	8 largest companies	20 largest companies	50 largest companies	
339	Miscellaneous mfg	30 335	61 452 548	9.4	14.1	22.6	34.1	47.2
3391	Medical equipment & supplies mfg	12 123	30 613 184	18.6	27.0	40.4	57.2	166.6
33911	Medical equipment & supplies mfg	12 123	30 613 184	18.6	27.0	40.4	57.2	166.6
339111	Laboratory apparatus & furniture mfg	371	1 344 180	18.7	32.4	54.7	75.2	195.4
339112	Surgical & medical instrument mfg	1 456	13 148 075	35.0	48.1	65.2	78.8	435.5
339113	Surgical appliance & supplies mfg	1 511	9 863 213	18.5	30.7	52.9	70.5	180.3
339114	Dental equipment & supplies mfg	849	1 717 856	38.4	47.2	64.2	78.6	459.7
339115	Ophthalmic goods mfg	520	2 387 162	49.4	62.9	80.3	89.3	794.7
339116	Dental laboratories	7 490	2 152 698	5.6	7.3	10.1	15.1	10.4
3399	Other miscellaneous mfg	18 232	30 839 364	6.7	11.4	19.8	29.1	26.2
33991	Jewelry & silverware mfg	3 737	3 991 201	14.4	19.8	30.3	45.2	90.6
339911	Jewelry (except costume) mfg	2 278	2 376 932	13.5	20.2	33.1	48.0	84.7
339912	Silverware & plated ware mfg	158	529 984	68.0	76.9	87.5	95.6	2 780.9
339913	Jewelers' material & lapidary work mfg	391	275 984	26.7	39.7	60.4	77.4	293.2
339914	Costume jewelry & novelty mfg	917	808 301	26.9	41.3	55.8	69.5	279.7
33992	Sporting & athletic goods mfg	2 477	5 866 075	24.1	31.2	45.0	61.3	191.6
339920	Sporting & athletic goods mfg	2 477	5 866 075	24.1	31.2	45.0	61.3	191.6
33993	Doll, toy, & game mfg	995	2 816 422	41.6	51.7	63.4	77.7	555.4
339931	Doll & stuffed toy mfg	239	194 644	33.0	55.6	75.5	90.5	452.5
339932	Game, toy, & children's vehicle mfg	756	2 621 778	44.7	55.5	68.2	81.6	639.3
33994	Office supplies (except paper) mfg	999	2 590 428	32.8	43.6	58.3	74.3	379.4
339941	Pen & mechanical pencil mfg	106	916 161	64.0	77.6	89.4	97.9	1 297.2
339942	Lead pencil & art good mfg	171	810 183	59.1	71.0	84.5	94.9	1 352.6
339943	Marking device mfg	617	423 895	22.3	34.3	50.6	66.6	197.8
339944	Carbon paper & inked ribbon mfg	106	440 189	41.3	61.2	83.9	95.2	615.2
33995	Sign mfg	5 580	4 637 205	8.8	12.6	19.9	30.5	36.6
339950	Sign mfg	5 580	4 637 205	8.8	12.6	19.9	30.5	36.6
33999	All other miscellaneous mfg	4 475	10 938 033	11.3	17.9	29.2	43.6	66.6
339991	Gasket, packing, & sealing device mfg	561	3 132 922	25.0	37.7	56.1	74.1	248.8
339992	Musical instrument mfg	552	836 529	32.3	46.4	67.0	82.3	462.1
339993	Fastener, button, needle, & pin mfg	240	503 706	49.1	59.0	73.7	90.6	1 049.3
339994	Broom, brush, & mop mfg	306	1 157 593	25.9	39.5	63.1	81.2	296.3
339995	Burial casket mfg	161	857 988	80.1	84.2	91.0	96.0	D
339999	All other miscellaneous mfg	2 660	4 449 295	14.2	22.5	35.8	48.9	93.8

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Value added concentration ratios are presented as an alternative to the traditional value of shipments concentration ratios because value of shipments typically include an immeasurable amount of duplication. However, eliminating duplication can both raise and lower the concentration ratios. Also, use of value added results in more differences than those associated with eliminating duplication and frequently results in the inclusion of different companies in the company groups.

³The Herfindahl-Herschmann index is calculated by summing the squares of the individual company percentages for the 50 largest companies or the universe, whichever is lower.

Appendix A.

Explanation of Terms

COST OF MATERIALS

This term refers to direct charges actually paid or payable for items consumed or put into production during the year, including freight charges and other direct charges incurred by the establishment in acquiring these materials. It includes the cost of materials or fuel consumed, whether purchased by the individual establishment from other companies, transferred to it from other establishments of the same company, or withdrawn from inventory during the year.

Included in this item are:

1. Cost of parts, components, containers, etc.—Includes all raw materials, semifinished goods, parts, containers, scrap, and supplies put into production or used as operating supplies and for repair and maintenance during the year.
2. Cost of products bought and sold in the same condition.
3. Cost of fuels consumed for heat and power—Includes the cost of materials or fuel consumed, whether purchased by the individual establishment from other companies, transferred to it from other establishments of the same company, or withdrawn from inventory during the year.
4. Cost of purchased electricity—The cost of purchased electric energy represents the amount actually used during the year for heat and power. In addition, information was collected on the quantity of electric energy generated by the establishment and the quantity of electric energy sold or transferred to other plants of the same company.
5. Cost of contract work—This term applies to work done by others on materials furnished by the manufacturing establishment. The actual cost of the material is to be reported on the cost of materials, parts, and containers line of this item. The term “Contract Work” refers to the fee a company pays to another company to perform a service.

EMPLOYEES

This item includes all full-time and part-time employees on the payrolls of operating manufacturing establishments during any part of the pay period which included the 12th of the months specified on the report form. Included are all persons on paid sick leave, paid holidays, and paid

vacations during these pay periods. Officers of corporations are included as employees; proprietors and partners of unincorporated firms are excluded. The “all employees” number is the average number of production workers plus the number of other employees in mid-March. The number of production workers is the average for the payroll periods including the 12th of March, May, August, and November.

Production Workers

This item includes workers (up through the line-supervisor level) engaged in fabricating, processing, assembling, inspecting, receiving, storing, handling, packing, warehousing, shipping (but not delivering), maintenance, repair, janitorial and guard services, product development, auxiliary production for plant’s own use (e.g., power plant), recordkeeping, and other services closely associated with these production operations at the establishment covered by the report. Employees above the working-supervisor level are excluded from this item.

All Other Employees

This item covers nonproduction employees of the manufacturing establishment including those engaged in factory supervision above the line-supervisor level. It includes sales (including driver-salespersons), sales delivery (highway truck drivers and their helpers), advertising, credit, collection, installation and servicing of own products, clerical and routine office functions, executive, purchasing, financing, legal, personnel (including cafeteria, medical, etc.), professional, and technical employees. Also included are employees on the payroll of the manufacturing establishment engaged in the construction of major additions or alterations utilized as a separate work force.

NUMBER OF ESTABLISHMENTS AND COMPANIES

A separate report was required for each manufacturing establishment (plant) with one employee or more. An establishment is defined as a single physical location where manufacturing is performed. A company, on the other hand, is defined as a business organization consisting of one establishment or more under common ownership or control.

If the company operated at different physical locations, even if the individual locations were producing the same line of goods, a separate report was requested for each

location. If the company operated in two or more distinct lines of manufacturing at the same location, a separate report was requested for each activity.

An establishment not in operation for any portion of the year was requested to return the report form with the proper notation in the "Operational Status" section of the form. In addition, the establishment was requested to report data on any employees, capital expenditures, inventories, or shipments from inventories during the year.

PAYROLL

This item includes the gross earnings of all employees on the payrolls of operating manufacturing establishments paid in the calendar year. Respondents were told they could follow the definition of payrolls used for calculating the Federal withholding tax. It includes all forms of compensation, such as salaries, wages, commissions, dismissal pay, bonuses, vacation and sick leave pay, and compensation in kind, prior to such deductions as employees' social security contributions, withholding taxes, group insurance, union dues, and savings bonds. The total includes salaries of officers of corporations; it excludes payments to proprietors or partners of unincorporated concerns. Also excluded are payments to members of Armed Forces and pensioners carried on the active payrolls of manufacturing establishments.

The census definition of payrolls is identical to that recommended to all Federal statistical agencies by the Office of Management and Budget. It should be noted that this definition does not include employers' social security contributions or other nonpayroll labor costs, such as employees' pension plans, group insurance premiums, and workers' compensation.

The ASM provides estimates of employers' total supplemental labor costs (those required by Federal and state laws and those incurred voluntarily or as part of collective bargaining agreements).

PRODUCTION-WORKER HOURS

This item covers hours worked or paid for at the plant, including actual overtime hours (not straight-time equivalent hours). It excludes hours paid for vacations, holidays, or sick leave.

TOTAL CAPITAL EXPENDITURES (NEW AND USED)

For establishments in operation and any known plants under construction, manufacturers were asked to report their new and used expenditures for (1) permanent additions and major alterations to manufacturing establishments and (2) machinery and equipment used for replacement and additions to plant capacity if they were of the type for which depreciation accounts were ordinarily maintained.

Totals for expenditures include the costs of assets leased from nonmanufacturing concerns through capital leases. New facilities owned by the Federal Government but operated under contract by private companies and plant and equipment furnished to the manufacturer by communities and nonprofit organizations are excluded. Also excluded are expenditures for land and cost of maintenance and repairs charged as current operating expenses.

For any equipment or structure transferred for the use of the reporting establishment by the parent company or one of its subsidiaries, the value at which it was transferred to the establishment was to be reported. If an establishment changed ownership during the year, the cost of the fixed assets (building and equipment) was to be reported.

VALUE ADDED

This measure of manufacturing activity is derived by subtracting the cost of materials, supplies, containers, fuel, purchased electricity, and contract work from the value of shipments (products manufactured plus receipts for services rendered). The result of this calculation is adjusted by the addition of value added by merchandising operations (i.e., the difference between the sales value and the cost of merchandise sold without further manufacture, processing, or assembly) plus the net change in finished goods and work-in-process between the beginning- and end-of-year inventories.

For those industries where value of production is collected instead of value of shipments, value added is adjusted only for the change in work-in-process inventories between the beginning and end of year. For those industries where value of work done is collected, the value added does not include an adjustment for the change in finished goods or work-in-process inventories.

"Value added" avoids the duplication in the figure for value of shipments that results from the use of products of some establishments as materials by others. Value added is considered to be the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

VALUE OF SHIPMENTS

This item covers the received or receivable net selling values, f.o.b. plant (exclusive of freight and taxes), of all products shipped, both primary and secondary, as well as all miscellaneous receipts, such as receipts for contract work performed for others, installation and repair, sales of scrap, and sales of products bought and sold without further processing. Included are all items made by or for the establishments from material owned by it, whether sold, transferred to other plants of the same company, or shipped on consignment. The net selling value of products made in one plant on a contract basis from materials owned by another was reported by the plant providing the materials.

In the case of multiunit companies, the manufacturer was requested to report the value of products transferred to other establishments of the same company at full economic or commercial value, including not only the direct cost of production but also a reasonable proportion of “all other costs” (including company overhead) and profit.

In addition to the value for NAICS defined products, aggregates of the following categories of miscellaneous receipts are reported as part of a total establishment's value of product shipments:

1. Reported contract work—Receipts for work or services that a plant performed for others on their materials.
2. Value of resales—Sales of products brought and sold without further manufacture, processing, or assembly.
3. Other miscellaneous receipts—Such as repair work, installation, sales of scrap, etc.

Industry primary product value of shipments represents one of the three components of value of shipments. These components are:

1. Primary products value of shipments.
2. Secondary product value of shipments.
3. Total miscellaneous receipts.

Primary product shipments is used in the calculations of industry specialization ratio and industry coverage ratio. The term “Value of primary products shipments made in this industry” is used in this publication and refers to the same data.

DUPLICATION IN COST OF MATERIALS AND VALUE OF SHIPMENT

The aggregate of the cost of materials and value of shipments figures for industry groups and for all manufacturing industries includes large amounts of duplication

since the products of some industries are used as materials by others. This duplication results, in part, from the addition of related industries representing successive stages in the production of a finished manufactured product. Examples are the addition of flour mills to bakeries in the food group and the addition of pulp mills to paper mills in the paper and allied products group of industries. Estimates of the overall extent of this duplication indicate that the value of manufactured products exclusive of such duplication (the value of finished manufactures) tends to approximate two-thirds of the total value of products reported in the annual survey.

Duplication of products within individual industries is significant within a number of industry groups, e.g., machinery and transportation industries. These industries frequently include complete machinery and their parts. In this case, the parts made for original equipment are materials consumed for assembly plants in the same industry.

Even when no significant amount of duplication is involved, value of shipments figures are deficient as measures of the relative economic importance of individual manufacturing industries or geographic areas because of the wide variation in ratio of materials, labor, and other processing costs of value of shipments, both among industries and within the same industry.

Before 1962, cost of materials and value of shipments were not published for some industries which included considerable duplication. Since then, these data have been published for all industries at the U.S. level and beginning in 1964, for all geographic levels.

Appendix B.

NAICS Codes, Titles, and Descriptions

Not applicable for this report.

Appendix C.

Coverage and Methodology

MAIL/NONMAIL UNIVERSE

The manufacturing universe includes about 400,000 establishments. This number includes those industries in the North American Industry Classification System (NAICS) definition of manufacturing, but not those industries leaving the manufacturing sector in the classification change. The amounts of information requested from manufacturing establishments were dependent upon a number of factors. The more important considerations were the size of the company and whether it was included in the annual survey of manufactures (ASM). The methods of obtaining information for the various subsets of the universe to arrive at the aggregate figures shown in the publication are described below:

1. Small single-establishment companies not sent a report form.

Approximately 40 percent of the manufacturing establishments were small single-establishment companies that were excused from filing a census report. Selection of these establishments was based on two factors: annual payroll and our ability to assign the correct six-digit NAICS industry classification to the establishment. For each four-digit Standard Industrial Classification (SIC) industry code, an annual payroll cutoff was determined. These cutoffs were derived so that the establishments with payroll less than the cutoff were expected to account for no more than 3 percent of the value of shipments for the industry. Generally, all single-establishment companies with less than 5 employees were excused, while all establishments with more than 20 employees were mailed forms. Establishments below the cutoff that could not be directly assigned a six-digit NAICS code were mailed a classification report which requested information for assigning NAICS industry codes. Establishments below the cutoff that could be directly assigned a six-digit NAICS code were excused from filing any report. For below cutoff establishments, information on the physical location, payroll, and receipts was obtained from the administrative records of other Federal agencies under special arrangements that safeguarded their confidentiality.

Estimates of data for these small establishments were developed using industry averages in conjunction with the administrative information. The value of shipments and cost of materials were not distributed among specific products and materials for these

establishments but were included in the product and material “not specified by kind” (nsk) categories.

The industry classification codes included in the administrative-record files were assigned on the basis of brief descriptions of the general activity of the establishment. As a result, an indeterminate number of establishments were erroneously coded to a four-digit SIC industry and then erroneously re-coded to a six-digit NAICS industry. This was especially true whenever there was a relatively fine line of demarcation between industries or between manufacturing and nonmanufacturing activity.

Sometimes the administrative-record cases had only two- or three-digit SIC group classification codes available in the files. For the 1997 Economic Census – Manufacturing, these establishments were sent a separate classification form, which requested information on the products and services of the establishment. This form was used to code many of these establishments to the appropriate six-digit NAICS level. Establishments that did not return the classification form were coded later to those six-digit NAICS industries identified as “All other” industries within the given subsector.

As a result of these situations, a number of small establishments may have been misclassified by industry. However, such possible misclassification has no significant effect on the statistics other than on the number of companies and establishments.

The total establishment count for individual industries should be viewed as an approximation rather than a precise measurement. The counts for establishments with 20 employees or more are far more reliable than the count of total number of establishments.

2. Establishments sent a report form.

The establishments covered in the mail canvass were divided into three groups:

- a. ASM sample establishments.

This group accounts for approximately 15 percent of all manufacturing establishments. The ASM panel covers all the units of large manufacturing establishments as well as a sample of the medium and smaller establishments. The probability of selection was proportionate to size. For more information, see the Description of the ASM Survey Sample.

In an economic census year, the ASM report form (MA-1000) replaces the first page of the regular census form for those establishments included in the ASM. In addition to information on employment, payroll, and other items normally requested on the regular census form, establishments in the ASM sample were requested to supply additional information on gross book value of assets and capital expenditures. ASM establishments were also requested to provide information on retirements, depreciation, rental payments, and supplemental labor costs. For establishments not included in the ASM, these additional items were estimated using relationships observed in the ASM establishment data. The census statistics for these variables are a sum of the ASM establishment data and the estimated data for non-ASM establishments. ASM establishments were also requested to provide information for selected purchased services. The census statistics for the purchased service items were derived solely from the ASM establishments. See Appendix A, Explanation of Terms for an explanation of these items. The census part of the report form is 1 of 220 versions containing product, material, and special inquiries. The diversity of manufacturing activities necessitated the use of this many forms to canvass the 480 manufacturing industries. Each form was developed for a group of related industries.

Appearing on each form was a list of products primary to the group of related industries as well as secondary products and miscellaneous services that establishments classified in these industries were likely to perform. Respondents were requested to identify the products, the value of each product, and, in many cases, the quantity of the product shipped during the survey year. Space also was provided for the respondent to describe products not specifically identified on the form.

The report form also contained a materials-consumed inquiry which varied from form to form depending on the industries being canvassed. The respondents were asked to review a list of materials generally used in their production processes. From this list, each establishment was requested to identify those materials consumed during the survey year, the cost of each, and, in certain cases, the quantity consumed. Once again, space was provided for the respondent to describe significant materials not identified on the form.

A wide variety of special inquiries was included to measure activities peculiar to a given industry, such as operations performed and equipment used.

b. Large and medium establishments (non-ASM).

Approximately 30 percent of all manufacturing establishments were included in this group. A variable cutoff, based on administrative-record payroll data and determined on an industry-by-industry basis, was used to select those establishments that were to receive 1 of the 220 economic census – manufacturing regular forms. The first page, requesting establishment data for items such as employment and payroll, was standard but did not contain the detailed statistics included on the ASM form. The product, material, and special inquiry sections supplied were based on the historical industry classification of the establishment.

c. Small single-establishment companies (non-ASM).

This group includes approximately 15 percent of all manufacturing establishments. For those industries where application of the variable cutoff for administrative-record cases resulted in a large number of small establishments being included in the mail canvass, an abbreviated or short form was used. These establishments received 1 of the 31 versions of the short form, which requested summary product and material data and totals but no details on employment, payroll, cost of materials, inventories, and capital expenditures.

Use of the short form has no adverse effect on published totals for the industry statistics because the same data were collected on the short form as on the long form. However, detailed information on products and materials consumed was not collected on the short form; thus, its use would increase the value of the *nsk* categories.

INDUSTRY CLASSIFICATION OF ESTABLISHMENTS

Each of the establishments covered in the 1997 Economic Census – Manufacturing was classified in 1 of 480 industries (473 manufacturing industries and 7 former manufacturing industries) in accordance with the industry definitions in the 1997 NAICS Manual. This is the first edition of the NAICS Manual and it is a major change from the 1987 SIC Manual that was used previously. Appendix A of the 1997 NAICS Manual notes the comparability between the 1987 SIC and 1997 NAICS classification systems. When applicable, Appendix G of this report shows the product class and product comparability between the two systems for data in this report.

In the NAICS system, an industry is generally defined as a group of establishments that have similar production processes. To the extent practical, the system uses supply-based or production-oriented concepts in defining industries. The resulting group of establishments must be significant in terms of number, value added by manufacture, value of shipments, and number of employees.

The coding system works in such a way that the definitions progressively become narrower with successive additions of numerical digits. In the manufacturing sector for 1997, there are 21 subsectors (three-digit NAICS), 86 industry groups (four-digit NAICS), 184 NAICS industries (five-digit NAICS) that are comparable with Canadian and Mexican classification, and 473 U.S. industries (six-digit NAICS). This represents an expansion of the four-digit SIC-based U.S. industries from 459 in 1987. Product classes and products of the manufacturing industries have been assigned codes based on the industry from which they originate. In the new system, there are about 1,500 product classes (seven-digit codes), about 6,000 census products, and an additional 3,700 CIR products (ten-digit codes). The ten-digit products are considered the primary products of the industry with the same first six digits. These counts do not include the seven former manufacturing industries that are included in the 1997 Economic Census – Manufacturing.

For the 1997 Economic Census – Manufacturing, all establishments were classified in particular industries based on the products they produced. If an establishment made products of more than one industry, it was classified in the industry with the largest product value. For 1997, there were no “resistance rules” or “frozen industries.”

In ASM years, establishments included in the ASM sample with certainty weights are reclassified by industry only if the change in the primary activity from the prior year is significant or if the change has occurred for 2 successive years. This procedure prevents reclassification when there are minor shifts in product mix.

In ASM years, establishments included in the ASM sample with noncertainty weight are not shifted from one industry classification to another. They are retained in the industry where they were classified in the base census year. However, in the following census year, these ASM plants are allowed to shift from one industry to another.

The results of these rules covering the switching of plants from one industry classification to another are that some industries comprise different mixes of establishments in different survey years. Hence, comparisons between prior-year and current-year published totals, particularly at the six-digit NAICS level, should be viewed with caution. This is particularly true for the comparison between the data shown for a census year versus the data shown for the previous ASM year.

As previously noted, the small establishments that may have been misclassified by industry are usually administrative-record cases whose industry codes were assigned on the basis of incomplete descriptions of the general activity of the establishment. Such possible misclassifications have no significant effect on the statistics other than on the number of companies and establishments.

Establishments frequently make products classified both in their industry (primary products) and other industries (secondary products). Industry statistics (employment, payroll, value added by manufacture, value of shipments, etc.) reflect the activities of the establishments which may make both primary and secondary products. Product statistics, however, represent the output of all establishments without regard for the classification of the producing establishment. For this reason, when relating the industry statistics, especially the value of shipments, to the product statistics, the composition of the industry’s output should be considered.

The extent to which industry and product statistics may be matched with each other is measured by the primary product specialization ratio and the coverage ratio. The primary product specialization ratio is the proportion of industry shipments accounted for by the primary products of establishments classified in the industry. The coverage ratio is the proportion of product shipments accounted for by establishments classified in the industry.

ESTABLISHMENT BASIS OF REPORTING

The economic census – manufacturing is conducted on an establishment basis. A company operating at more than one location is required to file a separate report for each location or establishment. The ASM also is conducted on an establishment basis, but separate reports are filed for just those establishments selected in the sample. Companies engaged in distinctly different lines of activity at one location are requested to submit separate reports if the plant records permit such a separation and if the activities are substantial in size.

In 1997, as in earlier years, a minimum size limit was set for inclusion of establishments in the census. All establishments employing one person or more at any time during the census year are included. The same size limitation has applied since 1947 in censuses and annual surveys of manufactures. In the 1939 and earlier censuses, establishments with less than \$5,000 value of products were excluded. The change in the minimum size limit in 1947 does not appreciably affect the historical comparability of the census figures except for data on number of establishments for a few industries.

The 1997 Economic Census – Manufacturing excludes data for central administrative offices (CAOs). These would include separately operated administrative offices, warehouses, garages, and other auxiliary units that service manufacturing establishments of the same company. These data are published in a separate report series.

DESCRIPTION OF THE ASM SURVEY SAMPLE

The annual survey of manufactures (ASM) sample is drawn for the second survey year after a census. The most recent sample was drawn for the 1994 survey year based on the 1992 Census of Manufactures. This sample will be in place through the 1998 ASM.

In 1992, there were approximately 370,000 individual manufacturing establishments. For sample efficiency and cost considerations, the 1992 manufacturing population was partitioned into two components for developing estimates within the ASM; a mail stratum and a nonmail stratum.

Mail stratum. The mail stratum of the survey is comprised of larger single-location manufacturing companies and all manufacturing establishments of multiunit companies (companies that operate at more than one physical location). Approximately 230,000 of the 370,000 establishments in the 1992 census were assigned to the mail stratum. On an annual basis, the mail stratum is supplemented with larger, newly active single-location companies identified from a list provided by the Internal Revenue Service (IRS) and new manufacturing locations of multiunit companies identified from the Census Bureau's Company Organization Survey (COS).

For the 1994 survey, a new sample of approximately 58,000 individual establishments was selected from the mail stratum assembled from the 1992 census. Supplemental samples representing both 1993 and 1994 births (newly active establishments that were not included in the 1992 census) were also selected. Establishments selected for the sample are mailed an ASM survey questionnaire for each year through 1998.

The 1994-98 ASM sample design is similar to the one used since 1984. Companies in the 1992 Census of Manufactures with manufacturing shipments of at least \$500 million were defined as company certainties. For these large companies, each manufacturing establishment is included in the mail sample. For the 1994-98 sample, there are approximately 650 certainty companies collectively accounting for over 18,000 establishments.

For the remaining portion of the mail component of the survey, the establishment was defined as the sample unit. All establishments with 250 employees or more were defined as employment certainties. In addition, all establishments producing products in SIC 3571 (Electronic Computers) were defined as certainties. Across these three arbitrary certainty classes, there were approximately 25,000 establishments included in the sample with certainty. Collectively, these certainty establishments accounted for approximately 80 percent of the total value of shipments in the 1992 Census of Manufactures.

Smaller establishments in the remaining portion of the mail stratum were sampled with probabilities ranging from .02 to 1.00. The initial probabilities of selection assigned to these establishments were proportionate to a measure-of-size determined for each establishment. The measure-of-size was a function of the establishment's 1992 industry classification, its 1992 product class data, and the historical variability of the year-to-year estimates of the product class estimates. For each product class (1,755) and four-digit industry (459), a desired reliability

constraint was specified. Using a technique developed by Dr. James R. Chromy of the Research Triangle Institute, the initial establishment probabilities were optimized such that the expected sample satisfied all industry and product class reliability constraints while the sample size was minimized. This technique reduces the likelihood of selecting nonrepresentative samples for individual product classes or industries.

This method of assigning probabilities based on product class shipments is motivated by our primary desire to produce reliable estimates of both product class and industry shipments. The high correlation between shipments and employment, value-added, and other general statistics assures that these variables will also be well represented by the sample. The actual sample selection procedure uses an independent chance of selection method (Poisson sampling) which permits us to prevent small establishments from being selected in consecutive samples without introducing a bias into the survey estimates.

Nonmail component. The initial nonmail component of the survey was comprised of approximately 140,000 small, single-establishment companies that were tabulated as administrative records in the 1992 Census of Manufactures. The nonmail stratum is also supplemented annually using the list of newly active single-location companies provided by the Internal Revenue Service (IRS) and payroll cutoffs. Companies with payroll below the payroll cutoff are added to the nonmail stratum. For this portion of the population, sampling is not used. The data for this group are estimated based on selected information obtained annually from the administrative records of the IRS and Social Security Administration (SSA). This administrative information, which includes payroll, total employment, industry classification, and physical location, is obtained under conditions which safeguard the confidentiality of both tax and census records.

DESCRIPTION OF THE ASM ESTIMATING PROCEDURE

Most of the ASM estimates derived for the mail stratum are computed using a difference estimator. At the establishment level, there is a strong correlation between the current-year data values and the corresponding 1992 (base) data values. Therefore, within the mailed stratum, for each item at each level of aggregation, an estimate of the "difference" between the current year and the base year is computed from sample cases and added to the corresponding base-year values. For the 1993-1997 ASM estimates, the 1992 Census of Manufactures values serve as the base year. For the 1998 ASM, the base will be updated to be the 1997 Economic Census – Manufacturing.

Due to the positive year-to-year correlation, estimates derived using this methodology are generally more reliable than comparable estimates developed from the current sample data alone. Estimates for the capital expenditures variables are not generated using the difference

estimator because the year-to-year correlations are considerably weaker. The standard linear estimator is used for these variables.

For the nonmail stratum, estimates for payroll and employment are directly tabulated from the administrative-record data provided by IRS and SSA. Estimates of data other than payroll and employment are developed from industry averages. Although the nonmail stratum contains approximately 170,000 individual establishments in 1994, it accounts for less than 2 percent of the estimate for total value of shipments at the total manufacturing level.

Corresponding estimates for the mail and nonmail components are combined to produce the estimates included in this publication.

QUALIFICATIONS OF THE ASM DATA

The estimates developed from the sample are apt to differ somewhat from the results of a survey covering all companies in the sample lists but otherwise conducted under essentially the same conditions as the actual sample survey. The estimates of the magnitude of the sampling errors (the difference between the estimates obtained and the results theoretically obtained from a comparable, complete-coverage survey) are provided by the standard errors of estimates.

The particular sample selected for the ASM is one of many similar probability samples that, by chance, might have been selected under the same specifications. Each of the possible samples would yield somewhat different sets of results, and the standard errors are measures of the variation of all the possible sample estimates around the theoretically comparable, complete-coverage values.

Estimates of the standard errors have been computed from the sample data for selected ASM statistics in this report. They are represented in the form of relative standard errors (the standard errors divided by the estimated values to which they refer).

In conjunction with its associated estimate, the relative standard error may be used to define confidence intervals (ranges that would include the comparable, complete-coverage value for specified percentages of all the possible samples).

The complete-coverage value would be included in the range:

From one standard error below to one standard error above the derived estimate for about two-thirds of all possible samples.

From two standard errors below to two standard errors above the derived estimate for about 19 out of 20 of all possible samples.

From three standard errors below to three standard errors above the derived estimate for nearly all samples.

An inference that the comparable, complete-survey result would be within the indicated ranges would be correct in approximately the relative frequencies shown. Those proportions, therefore, may be interpreted as defining the confidence that the estimates from a particular sample would differ from complete-coverage results by as much as one, two, or three standard errors, respectively.

For example, suppose an estimated total is shown at 50,000 with an associated relative standard error of 2 percent, that is, a standard error of 1,000 (2 percent of 50,000). There is approximately 67 percent confidence that the interval 49,000 to 51,000 includes the complete-coverage total, about 95 percent confidence that the interval 48,000 to 52,000 includes the complete-coverage total, and almost certain confidence that the interval 47,000 to 53,000 includes the complete-coverage total.

In addition to the sample errors, the estimates are subject to various response and operational errors: errors of collection, reporting, coding, transcription, imputation for nonresponse, etc. These operational errors also would occur if a complete canvass were to be conducted under the same conditions as the survey. Explicit measures of their effects generally are not available. However, it is believed that most of the important operational errors were detected and corrected during the Census Bureau's review of the data for reasonableness and consistency. The small operational errors usually remain. To some extent, they are compensating in the aggregated totals shown. When important operational errors were detected too late to correct the estimates, the data were suppressed or were specifically qualified in the tables.

As derived, the estimated standard errors included part of the effect of the operational errors. The total errors, which depend upon the joint effect of the sampling and operational errors, are usually of the order of size indicated by the standard error, or moderately higher. However, for particular estimates, the total error may considerably exceed the standard errors shown. Any figures shown in the tables in this publication having an associated standard error exceeding 15 percent may be combined with higher level totals, creating a broader aggregate, which then may be of acceptable reliability.

DATA FROM THE CURRENT INDUSTRIAL REPORTS (CIR)

The CIR program provides product statistics for selected manufacturing industries at the U.S. level annually and, in some cases, monthly and/or quarterly. When detail product data are collected in the CIR, they are not also collected in the census. However, the annual CIR data are included in the census Product Summary report.

The CIR program uses a unified data collection, processing, and publication system. The Census Bureau updates the survey panels for most reports annually and reconciles the estimates to the results of the broader-based annual survey of manufactures and the economic

census – manufacturing. The economic census – manufacturing provides a complete list of all producers of the products covered by the CIR program and serves as the primary source for CIR sampling. Where a small number of producers exist, CIR surveys cover all known producers of a product. However, when the number of producers is large, cutoff and random sampling techniques are used. Surveys are continually reviewed and modified to provide the most up-to-date information on products produced. While the CIR program includes both mandatory and voluntary surveys, the annual data are mandatory.

DUPLICATION IN COST OF MATERIALS AND VALUE OF SHIPMENTS

Data for cost of materials and value of shipments include varying amounts of duplication, especially at higher levels of aggregation. This is because the products of one establishment may be the materials of another. The value added statistics avoid this duplication and are, for most purposes, the best measure for comparing the relative economic importance of industries and geographic areas.

VALUE OF INDUSTRY SHIPMENTS COMPARED WITH VALUE OF PRODUCT SHIPMENTS

The 1997 Economic Census – Manufacturing shows value of shipments data for industries and products. In the industry statistics tables and files, these data represent the total value of shipments of all establishments classified in a particular industry. The data include the shipments of the products classified in the industry (primary to the industry), products classified in other industries (secondary to the industry), and miscellaneous receipts (repair work, sale of scrap, research and development, installation receipts, and resales). Value of product shipments shown in the products statistics tables and files represent the total value of all products shipped that are classified as primary to an industry regardless of the classification of the producing establishment.

Appendix D. Geographic Notes

Not applicable for this report.

Appendix E. Metropolitan Areas

Not applicable for this report.

General Summary

1997

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1997 Economic Census

Manufacturing

Subject Series



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1997 Economic Census

Manufacturing

Summary Series



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Introduction to the Economic Census

PURPOSES AND USES OF THE ECONOMIC CENSUS

The economic census is the major source of facts about the structure and functioning of the Nation's economy. It provides essential information for government, business, industry, and the general public. Title 13 of the United States Code (Sections 131, 191, and 224) directs the Census Bureau to take the economic census every 5 years, covering years ending in 2 and 7.

The economic census furnishes an important part of the framework for such composite measures as the gross domestic product estimates, input/output measures, production and price indexes, and other statistical series that measure short-term changes in economic conditions. Specific uses of economic census data include the following:

- Policymaking agencies of the Federal Government use the data to monitor economic activity and assess the effectiveness of policies.
- State and local governments use the data to assess business activities and tax bases within their jurisdictions and to develop programs to attract business.
- Trade associations study trends in their own and competing industries, which allows them to keep their members informed of market changes.
- Individual businesses use the data to locate potential markets and to analyze their own production and sales performance relative to industry or area averages.

ALL-NEW INDUSTRY CLASSIFICATIONS

Data from the 1997 Economic Census are published primarily on the basis of the North American Industry Classification System (NAICS), unlike earlier censuses, which were published according to the Standard Industrial Classification (SIC) system. NAICS is in the process of being adopted in the United States, Canada, and Mexico. Most economic census reports cover one of the following NAICS sectors:

21	Mining
22	Utilities
23	Construction
31-33	Manufacturing
42	Wholesale Trade
44-45	Retail Trade
48-49	Transportation and Warehousing
51	Information

52	Finance and Insurance
53	Real Estate and Rental and Leasing
54	Professional, Scientific, and Technical Services
55	Management of Companies and Enterprises
56	Administrative and Support and Waste Management and Remediation Services
61	Educational Services
62	Health Care and Social Assistance
71	Arts, Entertainment, and Recreation
72	Accommodation and Foodservices
81	Other Services (except Public Administration)

(Not listed above are the Agriculture, Forestry, Fishing, and Hunting sector (NAICS 11), partially covered by the census of agriculture conducted by the U.S. Department of Agriculture, and the Public Administration sector (NAICS 92), covered by the census of governments conducted by the Census Bureau.)

The 20 NAICS sectors are subdivided into 96 subsectors (three-digit codes), 313 industry groups (four-digit codes), and, as implemented in the United States, 1170 industries (five- and six-digit codes).

RELATIONSHIP TO SIC

While many of the individual NAICS industries correspond directly to industries as defined under the SIC system, most of the higher level groupings do not. Particular care should be taken in comparing data for retail trade, wholesale trade, and manufacturing, which are sector titles used in both NAICS and SIC, but cover somewhat different groups of industries. The industry definitions discuss the relationships between NAICS and SIC industries. Where changes are significant, it will not be possible to construct time series that include data for points both before and after 1997.

For 1997, data for auxiliary establishments (those functioning primarily to manage, service, or support the activities of their company's operating establishments, such as a central administrative office or warehouse) will not be included in the sector-specific reports. These data will be published separately.

GEOGRAPHIC AREA CODING

Accurate and complete information on the physical location of each establishment is required to tabulate the census data for the states, metropolitan areas (MAs), counties, parishes, and corporate municipalities including cities, towns, villages, and boroughs. Respondents were

required to report their physical location (street address, municipality, county, and state) if it differed from their mailing address. For establishments not surveyed by mail (and those single-establishment companies that did not provide acceptable information on physical location), location information from Internal Revenue Service tax forms is used as a basis for coding.

BASIS OF REPORTING

The economic census is conducted on an establishment basis. A company operating at more than one location is required to file a separate report for each store, factory, shop, or other location. Each establishment is assigned a separate industry classification based on its primary activity and not that of its parent company.

DOLLAR VALUES

All dollar values presented are expressed in current dollars; i.e., 1997 data are expressed in 1997 dollars, and 1992 data, in 1992 dollars. Consequently, when making comparisons with prior years, users of the data should consider the changes in prices that have occurred.

All dollar values are shown in thousands of dollars.

AVAILABILITY OF ADDITIONAL DATA

Reports in Print and Electronic Media

All results of the 1997 Economic Census are available on the Census Bureau Internet site (www.census.gov) and on compact discs (CD-ROM) for sale by the Census Bureau. Unlike previous censuses, only selected highlights are published in printed reports. For more information, including a description of electronic and printed reports being issued, see the Internet site, or write to U.S. Census Bureau, Washington, DC 20233-8300, or call Customer Services at 301-457-4100.

Special Tabulations

Special tabulations of data collected in the 1997 Economic Census may be obtained, depending on availability of time and personnel, in electronic or tabular form. The data will be summaries subject to the same rules prohibiting disclosure of confidential information (including name, address, kind of business, or other data for individual business establishments or companies) that govern the regular publications.

Special tabulations are prepared on a cost basis. A request for a cost estimate, as well as exact specifications on the type and format of the data to be provided, should be directed to the Chief of the division named below, U.S. Census Bureau, Washington, DC 20233-8300. To discuss a special tabulation before submitting specifications, call the appropriate division:

Manufacturing and Construction Division	301-457-4673
Service Sector Statistics Division	301-457-2668

HISTORICAL INFORMATION

The economic census has been taken as an integrated program at 5-year intervals since 1967 and before that for 1954, 1958, and 1963. Prior to that time, individual components of the economic census were taken separately at varying intervals.

The economic census traces its beginnings to the 1810 Decennial Census, when questions on manufacturing were included with those for population. Coverage of economic activities was expanded for the 1840 Decennial Census and subsequent censuses to include mining and some commercial activities. The 1905 Manufactures Census was the first time a census was taken apart from the regular decennial population census. Censuses covering retail and wholesale trade and construction industries were added in 1930, as were some covering service trades in 1933. Censuses of construction, manufacturing, and the other business service censuses were suspended during World War II.

The 1954 Economic Census was the first census to be fully integrated: providing comparable census data across economic sectors, using consistent time periods, concepts, definitions, classifications, and reporting units. It was the first census to be taken by mail, using lists of firms provided by the administrative records of other Federal agencies. Since 1963, administrative records also have been used to provide basic statistics for very small firms, reducing or eliminating the need to send them census questionnaires.

The range of industries covered in the economic censuses expanded between 1967 and 1992. The census of construction industries began on a regular basis in 1967, and the scope of service industries, introduced in 1933, was broadened in 1967, 1977, and 1987. While a few transportation industries were covered as early as 1963, it was not until 1992 that the census broadened to include all of transportation, communications, and utilities. Also new for 1992 was coverage of financial, insurance, and real estate industries. With these additions, the economic census and the separate census of governments and census of agriculture collectively covered roughly 98 percent of all economic activity.

Printed statistical reports from the 1992 and earlier censuses provide historical figures for the study of long-term time series and are available in some large libraries. All of the census reports printed since 1967 are still available for sale on microfiche from the Census Bureau. CD-ROMs issued from the 1987 and 1992 Economic Censuses contain databases including nearly all data published in print, plus additional statistics, such as ZIP Code statistics, published only on CD-ROM.

SOURCES FOR MORE INFORMATION

More information about the scope, coverage, classification system, data items, and publications for each of the economic censuses and related surveys is published in the *Guide to the 1997 Economic Census and Related Statistics* at www.census.gov/econguide. More information on the methodology, procedures, and history of the censuses will be published in the *History of the 1997 Economic Census* at www.census.gov/econ/www/history.html.

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used with the 1997 Economic Census data:

A	Standard error of 100 percent or more.
D	Withheld to avoid disclosing data of individual companies; data are included in higher level totals.
F	Exceeds 100 percent because data include establishments with payroll exceeding revenue.
N	Not available or not comparable.
Q	Revenue not collected at this level of detail for multiestablishment firms.
S	Withheld because estimates did not meet publication standards.

V	Represents less than 50 vehicles or .05 percent.
X	Not applicable.
Y	Disclosure withheld because of insufficient coverage of merchandise lines.
Z	Less than half the unit shown.
a	0 to 19 employees.
b	20 to 99 employees.
c	100 to 249 employees.
e	250 to 499 employees.
f	500 to 999 employees.
g	1,000 to 2,499 employees.
h	2,500 to 4,999 employees.
i	5,000 to 9,999 employees.
j	10,000 to 24,999 employees.
k	25,000 to 49,999 employees.
l	50,000 to 99,999 employees.
m	100,000 employees or more.
p	10 to 19 percent estimated.
q	20 to 29 percent estimated.
r	Revised.
s	Sampling error exceeds 40 percent.
nec	Not elsewhere classified.
nsk	Not specified by kind.
–	Represents zero (page image/print only).
(CC)	Consolidated city.
(IC)	Independent city.

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Manufacturing

SCOPE

The 1997 Economic Census – Manufacturing covers all manufacturing establishments with one or more paid employees. Manufacturing is defined as the mechanical, physical, or chemical transformation of materials or substances into new products. The assembly of components into new products is also considered manufacturing, except when it is appropriately classified as construction.

Establishments in the manufacturing sector are often described as plants, factories, or mills and typically use power-driven machines and materials-handling equipment. Also included in the manufacturing sector are some establishments that make products by hand, like custom tailors and the makers of custom draperies. While manufacturers typically do not sell to the public, some establishments like bakeries and candy stores that make products on the premises may be included.

While logging and publishing are no longer in the scope of manufacturing, data for these industries are included in the manufacturing industry reports, but are not included in the manufacturing state, summary, and other reports.

GENERAL

This report, from the 1997 Economic Census – Manufacturing, is one of a series of 480 industry reports and 51 geographic area reports, each of which provides statistics for individual industries or states, respectively. Seven of the industry reports are for industries no longer in the manufacturing sector but are included with manufacturing for the 1997 census year. Also included for this sector are General, Product, and Materials Consumed Summary reports, a special report on Concentration Ratios in Manufacturing, and data files on Location of Manufacturing Plants.

Each industry report presents data for a six-digit North American Industry Classification System (NAICS) industry. A description of the particular NAICS industry may be found in Appendix B. These reports include such statistics as number of establishments, employment, payroll, value added by manufacture, cost of materials consumed, value of shipments, capital expenditures, etc. Explanations of these and other terms may be found in Appendix A. The industry reports also include data for states with 100 employees or more in the industry.

State reports, which include the District of Columbia, present similar statistics at the “all manufacturing” level for each state and its metropolitan areas (MAs) with 250

employees or more, and for counties, consolidated cities, and places with 500 employees or more. The state reports also include six-digit NAICS level data for industries with 100 employees or more in the state.

The General Summary report contains industry and geographic area statistics summarized in one report. It includes higher levels of aggregation than the industry and state reports, as well as revisions to the data made after the release of the industry and state reports.

The Products and Materials Consumed reports summarize the products and materials data published in the industry reports. The Product Summary report also includes data from the Current Industrial Reports (CIR) and a special table with data for products that are primary to more than one industry, which are not in the industry reports.

The Concentration Ratios report publishes data on the percentage of value of shipments accounted for by the 4-, 8-, 20-, and 50-largest companies for each manufacturing industry. Also shown in this report are Hirschmann-Herfindahl Indexes for each industry.

The Location of Manufacturing data files contain statistics on the number of establishments for the three- and six-digit NAICS industry by state, county, place, and ZIP Code by employment-size of the establishment.

GEOGRAPHIC AREAS COVERED

Statistics at the six-digit NAICS industry level are shown for states and the District of Columbia in both the state and industry reports for cells with 100 employees or more.

The state reports also include data at the “all manufacturing” level for a variety of geographies that meet the employment criteria.

Data are available for the metropolitan areas (MAs) with 250 employees or more. The term MA is a general term used to encompass all of the specifically defined metropolitan areas. A consolidated metropolitan statistical area (CMSA) is made up of two or more contiguous primary metropolitan statistical areas (PMSAs) with a combined population of at least 1 million. A PMSA is a subdivision of a CMSA that demonstrates very strong internal economic and social links separate from the ties to other portions of the CMSA. A metropolitan statistical area (MSA) is an integrated economic and social unit with a population of at least 50,000. An MA is made up of one or more counties meeting standards of metropolitan character. In New England, cities and towns, rather than counties, are the

component geographic units. Determination of the MAs was made by the Office of Management and Budget (OMB) as of June 30, 1997. The population estimates were from the 1990 Census of Population or a subsequent special census. When applicable, the make-up of an MA is included in Appendix E. Changes to geographical boundaries are noted in Appendix D.

The state reports include data for counties with 500 employees or more. These are the primary divisions of states, except in Louisiana where they are called parishes and in Alaska where they are called boroughs and census areas. Maryland, Missouri, Nevada, and Virginia have one or more places that are independent of county organizations. These places are treated as counties and places. The counties and places are defined as of January 1, 1997.

The state reports include data for places with 500 employees or more. Places are typically cities, towns, and villages. They may be incorporated municipalities, semi-independent municipalities, special economic urban areas (SEUAs), or other place equivalents.

The state reports also include data for consolidated cities with 500 employees or more. Consolidated cities are made up of separately incorporated municipalities.

COMPARABILITY OF THE 1992 AND 1997 CENSUSES

The adoption of the North American Industry Classification System (NAICS) has had a major impact on the comparability of data between the 1992 and 1997 censuses. Approximately half of the industries in the manufacturing sector of NAICS do not have comparable industries in the Standard Industrial Classification (SIC) system that was used in the past. If industries are not comparable between the two censuses, historic data are not shown. When applicable, Appendix G shows the product class and product comparability between the two systems.

While most of the change affecting the manufacturing sector was change within the sector, some industries left manufacturing and others came into manufacturing. Prominent among those leaving manufacturing are logging and portions of publishing. Prominent among the industries coming into the manufacturing sector are bakeries, candy stores where candy is made on the premises, custom tailors, makers of custom draperies, and tire retreading. Data for the industries coming into manufacturing as well as those leaving manufacturing are included in the manufacturing industry report series for 1997. However, the state and summary reports only include data for industries in the NAICS definition of manufacturing.

Another change resulting from the conversion to NAICS is that data for central administrative offices (CAOs) associated with manufacturing are not included along side the manufacturing data. This change affects data in the state reports and the general summary.

DISCLOSURE

In accordance with Federal law governing census reports (Title 13 of the United States Code), no data are published that would disclose the operations of an individual establishment or company. However, the number of establishments classified in a specific industry or geography is not considered a disclosure, and may be released even when other information is withheld.

The disclosure analysis for the industry statistics files is based on the total value of shipments. When the total value of shipments cannot be shown without disclosing information for individual companies, the complete line is suppressed except for capital expenditures. However, the suppressed data are included in higher-level totals. A separate disclosure analysis is performed for capital expenditures that can be suppressed even though value of shipments data are published.

AVAILABILITY OF MORE FREQUENT ECONOMIC DATA

The Census Bureau conducts the Annual Survey of Manufactures (ASM) in each of the 4 years between the economic censuses. The ASM is a probability-based sample of approximately 58,000 establishments and collects many of the same industry statistics (including employment, payroll, value of shipments, etc.) as the economic census. However, there are selected statistics not included in the ASM. Among these are the number of companies and establishments, detailed product and materials data, and substate geographic data.

In addition to the ASM, the Census Bureau conducts a Current Industrial Reports (CIR) program. The CIR publishes detailed product statistics for selected manufacturing industries at the U.S. level annually and, in some cases, monthly and/or quarterly. For the 1997 Economic Census – Manufacturing, the annual CIR data are included in the Product Summary report.

The Census Bureau also conducts the monthly Manufacturers' Shipments, Inventories, and Orders (M3) program, which publishes detailed statistics for manufacturing industries at the U.S. level.

Table 1–1a. Statistics for All Manufacturing Establishments: 1997 and Earlier Years

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Year ¹	All establishments ²		All employees		Production workers			Value added by manufacture ³ (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
	Total	With 20 employees or more	Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
1997	362 829	119 748	16 805 127	569 808 845	12 065 257	24 183 271	338 267 197	1 825 688 027	2 015 424 556	3 834 700 920	151 510 757
1996	N	N	17 326 300	560 518 300	12 167 800	25 010 500	324 495 800	1 749 661 900	1 975 362 100	3 715 428 200	146 467 500
1995	N	N	17 419 200	545 362 700	12 253 100	25 072 000	317 767 500	1 711 442 300	1 897 570 700	3 594 359 600	134 318 100
1994	N	N	17 059 400	522 565 700	11 947 100	24 560 100	304 663 000	1 605 980 000	1 752 735 100	3 348 019 200	118 664 700
1993	N	N	16 943 500	504 363 100	11 726 200	23 845 100	290 293 200	1 483 054 100	1 647 492 600	3 127 620 400	108 628 500
1992	370 912	118 967	16 948 900	494 108 900	11 640 900	23 563 100	281 538 200	1 424 699 700	1 571 773 500	3 004 722 800	110 643 800
1991	N	N	17 081 200	477 174 600	11 652 000	23 383 000	270 601 000	1 341 386 200	1 531 221 300	2 878 164 800	103 152 900
1990	N	N	17 796 200	480 223 500	12 232 700	24 463 300	275 208 400	1 346 970 100	1 574 617 300	2 912 228 500	106 462 800
1989	N	N	18 045 700	470 479 200	12 535 500	24 933 900	273 119 900	1 325 433 600	1 532 330 000	2 840 376 000	101 894 300
1988	N	N	17 989 600	453 309 400	12 438 700	24 815 400	265 147 100	1 269 313 000	1 444 500 900	2 695 432 300	84 706 100
1987	358 952	120 822	17 718 000	428 480 000	12 280 400	24 302 700	251 449 500	1 165 740 800	1 319 844 600	2 475 939 100	85 662 100
1986	N	N	17 086 800	402 466 700	11 765 400	23 178 200	236 599 400	1 035 437 400	1 217 608 600	2 260 314 600	80 795 100
1985	N	N	17 508 300	396 610 500	12 174 400	23 731 600	235 790 800	1 000 142 000	1 276 009 600	2 280 183 800	91 244 900
1984	N	N	17 854 900	384 921 500	12 572 800	24 637 100	231 783 900	983 227 700	1 288 413 600	2 253 424 600	80 659 900
1983	N	N	17 453 100	354 232 200	12 203 000	23 611 600	212 416 400	882 014 500	1 170 237 800	2 045 853 300	67 479 800
1982	348 385	117 959	17 818 100	341 406 200	12 400 600	23 538 300	204 787 200	824 117 700	1 130 142 700	1 960 205 800	77 045 700
1981	N	N	18 919 800	341 319 800	13 542 800	26 233 100	212 200 900	837 506 500	1 193 969 600	2 017 542 500	83 767 000
1980	N	N	19 311 400	316 494 500	13 900 100	26 745 700	198 164 000	773 831 300	1 093 567 600	1 852 668 300	74 624 600
1979	N	N	19 756 500	298 529 100	14 537 800	28 324 300	192 881 500	747 480 500	999 157 500	1 727 214 600	65 796 600
1978	N	N	19 239 400	271 540 900	14 228 700	27 676 500	176 416 800	657 412 000	877 424 700	1 522 937 300	58 346 000
1977	350 757	113 843	18 515 900	242 031 900	13 691 000	26 686 700	157 163 700	585 165 600	782 417 700	1 358 526 400	51 907 300

¹Statistics presented for years ending in 7 and 2 are census data. Statistics for intervening years are from the Annual Survey of Manufactures (ASM). Also, data for 1997 are on the North American Industry Classification System (NAICS), while data for earlier years are on the Standard Industrial Classification (SIC) system. Differences between the 2 systems are presented in Tables 1–1b and 1–1c of this report.

²Includes establishments with payroll at any time during the year.

³Beginning in 1982, respondents were requested to report inventories at cost or market, prior to LIFO adjustment. In prior years, respondents were permitted to report inventories using any generally accepted accounting practice.

Table 1–1b. Selected Industry Statistics for Manufacturing Establishments Not-In-Scope of Manufacturing in the 1987 SIC-Based Classification System: 1997

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	SIC-based code	SIC-based description	All establishments ¹	All employees		Value of shipments (\$1,000)
				Number	Payroll	
		Total	22 839	153 628	3 363 627	14 670 791
311330	544110	Candy, nut, and confectionery stores (pt)	440	3 450	48 915	195 426
311340	544120	Candy, nut, and confectionery stores (pt)	349	1 278	16 210	92 142
311612	514706	Meat and meat products (pt)	189	3 562	105 856	1 815 012
311811	546111	Retail bakeries (pt)	7 119	43 603	568 243	1 946 153
313311	513105	Piece goods, notions, and other dry goods (pt)	559	7 526	261 011	1 755 733
313312	513110	Piece goods, notions, and other dry goods (pt)	—	—	—	—
314121	571401	Drapery, curtain, and upholstery stores (pt)	1 085	4 492	75 735	280 167
315999	569921	Miscellaneous apparel and accessory stores	724	2 407	41 935	152 641
326212	753420	Tire retreading and repair shops (pt)	750	7 855	189 995	970 615
334611	737991	Reproduction of software	123	7 868	302 863	1 209 207
334612	781980	Services allied to motion picture production (pt)	251	8 956	263 056	1 624 736
335312	769420	Armature rewinding shops (pt)	195	3 554	111 410	450 982
337110	571205	Furniture stores (pt)	2 055	9 893	198 646	665 553
337121	571210	Furniture stores (pt)	576	3 150	60 638	205 422
337122	571215	Furniture stores (pt)	815	4 880	95 480	323 428
339116	807200	Dental laboratories	7 609	41 154	1 023 634	2 983 574

¹Includes establishments with payroll at any time during the year.

Table 1–1c. Selected Industry Statistics for Nonmanufacturing Establishments In-Scope of Manufacturing in the 1987 SIC-Based Classification System: 1997

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	SIC-based code	SIC-based description	All establishments ¹	All employees		Value of shipments (\$1,000)
				Number	Payroll	
		Total	36 870	822 958	26 960 580	130 732 311
113310	241100	Logging	13 533	83 212	2 014 254	13 625 734
511110	271100	Newspapers	8 773	400 818	11 729 887	41 433 090
511120	272100	Periodicals	6 331	137 865	5 997 490	29 972 538
511130	273110	Book publishing (pt)	2 689	90 170	3 655 695	22 676 105
511140	274110	Miscellaneous publishing (pt)	830	33 113	1 342 004	10 776 279
511191	277160	Greeting cards (pt)	111	21 047	644 046	5 395 087
511199	274120	Miscellaneous publishing (pt)	2 494	44 944	1 262 980	5 636 247
512230	273115	Music books: publishing or printing and publishing	259	1 765	52 144	300 570
512230	274102	Sheet music publishing	111	570	21 165	95 388
811490	373210	Boat repair	1 739	9 454	240 915	821 273

¹Includes establishments with payroll at any time during the year.

Table 1–1d. Industry Statistics for Industry Groups and Industries: 1997

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry	Com-panies ¹	All estab-lish-ments ²	All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments ³ (\$1,000)	Total capital expenditures (\$1,000)
				Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	Manufacturing	316 952	362 829	16 805 127	569 808 845	12 065 257	24 183 271	338 267 197	1 825 688 027	2 015 424 556	3 834 700 920	151 510 757
311	Food mfg	21 958	26 302	1 466 956	38 366 240	1 112 307	2 234 216	25 185 751	163 675 301	258 537 984	421 737 017	10 799 165
3111	Animal food mfg	1 077	1 696	46 651	1 478 617	30 138	62 625	845 669	8 779 741	18 991 516	27 732 347	548 373
31111	Animal food mfg	1 077	1 696	46 651	1 478 617	30 138	62 625	845 669	8 779 741	18 991 516	27 732 347	548 373
311111	Dog & cat food mfg	129	187	13 979	502 207	10 587	23 431	345 400	4 307 078	4 402 139	8 688 239	261 079
311119	Other animal food mfg	962	1 509	32 672	976 410	19 551	39 194	500 269	4 472 663	14 589 377	19 044 108	287 294
3112	Grain & oilseed milling	534	891	59 243	2 358 554	44 135	97 278	1 644 441	15 867 943	36 216 684	52 075 763	1 565 272
31121	Flour milling & malt mfg	324	483	17 877	618 434	13 185	28 430	410 382	2 689 069	8 462 546	11 141 876	283 188
311211	Flour milling	254	382	12 762	444 182	9 287	20 386	296 258	1 894 615	6 099 513	8 001 978	196 633
311212	Rice milling	56	67	3 805	118 318	2 986	6 277	80 451	587 737	1 810 862	2 364 582	45 454
311213	Malt mfg	19	34	1 310	55 934	912	1 767	33 673	206 717	552 171	775 316	41 101
31122	Starch & vegetable fats & oils mfg	179	337	26 970	1 022 051	19 142	42 829	653 109	6 622 646	25 190 746	31 835 054	981 833
311221	Wet corn milling	30	58	9 217	422 533	6 372	14 726	274 677	3 071 056	5 361 443	8 455 172	540 906
311222	Soybean processing	43	92	6 601	229 727	4 560	10 207	140 346	1 623 082	12 449 318	14 036 271	188 422
311223	Other oilseed processing ..	32	54	2 667	73 451	1 949	4 474	45 528	246 561	1 419 419	1 720 738	83 999
311225	Fats & oils refining & blending	91	133	8 485	296 340	6 261	13 422	192 558	1 681 947	5 960 566	7 622 873	168 506
31123	Breakfast cereal mfg	48	71	14 396	718 069	11 808	26 019	580 950	6 556 228	2 563 392	9 098 833	300 251
311230	Breakfast cereal mfg	48	71	14 396	718 069	11 808	26 019	580 950	6 556 228	2 563 392	9 098 833	300 251
3113	Sugar & confectionery product mfg	1 556	1 741	84 876	2 560 362	67 211	135 962	1 768 465	11 876 056	12 370 300	24 114 454	831 995
31131	Sugar mfg	49	92	16 547	611 488	12 869	29 934	438 761	2 156 119	5 318 013	7 399 171	279 835
311311	Sugarcane mills	34	38	4 938	167 589	3 362	8 768	109 506	647 496	872 054	1 457 482	67 796
311312	Cane sugar refining	12	18	3 891	191 663	2 823	6 833	126 215	540 141	2 677 639	3 209 186	44 528
311313	Beet sugar mfg	8	36	7 718	252 236	6 684	14 333	203 040	968 482	1 768 320	2 732 503	167 511
31132	Chocolate & confectionery mfg from cacao beans	152	163	9 946	383 045	7 350	14 366	248 383	1 821 177	1 925 201	3 755 268	69 718
311320	Chocolate & confectionery mfg from cacao beans ...	152	163	9 946	383 045	7 350	14 366	248 383	1 821 177	1 925 201	3 755 268	69 718
31133	Confectionery mfg from purchased chocolate	796	861	32 871	856 440	26 670	52 257	605 617	4 815 479	3 126 892	7 879 752	272 269
311330	Confectionery mfg from purchased chocolate	796	861	32 871	856 440	26 670	52 257	605 617	4 815 479	3 126 892	7 879 752	272 269
31134	Nonchocolate confectionery mfg	578	625	25 512	709 389	20 322	39 405	475 704	3 083 281	2 000 194	5 080 263	210 173
311340	Nonchocolate confectionery mfg	578	625	25 512	709 389	20 322	39 405	475 704	3 083 281	2 000 194	5 080 263	210 173
3114	Fruit & vegetable preserving & specialty food mfg	1 394	1 780	191 576	4 884 327	160 480	316 216	3 537 478	23 360 633	23 223 370	46 618 107	1 648 372
31141	Frozen food mfg	531	666	94 192	2 192 511	80 207	154 464	1 596 889	9 876 210	9 772 579	19 691 664	751 288
311411	Frozen fruit, juice, & vegetable mfg	177	255	46 295	1 047 390	40 130	77 362	790 742	4 507 930	4 995 138	9 549 256	397 733
311412	Frozen specialty food mfg ..	363	411	47 897	1 145 121	40 077	77 102	806 147	5 368 280	4 777 441	10 142 408	353 555
31142	Fruit & vegetable canning, pickling, & drying	887	1 114	97 384	2 691 816	80 273	161 752	1 940 589	13 484 423	13 450 791	26 926 443	897 084
311421	Fruit & vegetable canning ..	661	820	63 612	1 709 578	52 561	105 423	1 230 906	6 940 605	8 877 038	15 801 279	529 704
311422	Specialty canning	122	139	19 157	602 615	15 880	33 399	456 780	5 185 647	2 864 243	8 051 059	219 783
311423	Dried & dehydrated food mfg	125	155	14 615	379 623	11 832	22 930	252 903	1 358 171	1 709 510	3 074 105	147 597

See footnotes at end of table.

Table 1–1d. **Industry Statistics for Industry Groups and Industries: 1997—Con.**

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry	Com- panies ¹	All estab- lish- ments ²	All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments ³ (\$1,000)	Total capital expendi- tures (\$1,000)
				Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	Manufacturing—Con.											
311	Food mfg—Con.											
3115	Dairy product mfg	1 329	1 830	131 868	4 139 799	84 607	179 038	2 409 530	17 621 758	41 061 093	58 670 293	1 337 286
31151	Dairy product (except frozen) mfg	948	1 381	112 082	3 533 105	70 363	148 903	2 018 627	15 071 625	37 748 615	52 812 384	1 179 399
311511	Fluid milk mfg.	402	608	57 638	1 897 820	30 017	64 775	931 111	6 284 684	15 718 803	21 995 148	423 487
311512	Creamery butter mfg	32	34	1 827	56 524	1 138	2 377	32 564	241 876	1 133 899	1 367 548	8 522
311513	Cheese mfg	399	524	36 543	1 005 266	29 019	59 587	744 368	4 376 509	15 858 773	20 232 146	478 340
311514	Dry, condensed, & evaporated dairy product mfg	169	215	16 074	573 495	10 189	22 164	310 584	4 168 556	5 037 140	9 217 542	269 050
31152	Ice cream & frozen dessert mfg	409	449	19 786	606 694	14 244	30 135	390 903	2 550 133	3 312 478	5 857 909	157 887
311520	Ice cream & frozen dessert mfg	409	449	19 786	606 694	14 244	30 135	390 903	2 550 133	3 312 478	5 857 909	157 887
3116	Meat product mfg	2 794	3 397	464 991	9 917 710	397 935	818 777	7 577 675	30 172 670	82 899 684	112 979 006	1 799 220
31161	Animal slaughtering & processing	2 794	3 397	464 991	9 917 710	397 935	818 777	7 577 675	30 172 670	82 899 684	112 979 006	1 799 220
311611	Animal (except poultry) slaughtering	1 307	1 391	141 882	3 245 551	121 122	265 166	2 524 092	8 589 698	45 718 375	54 284 253	533 909
311612	Meat processed from carcasses	1 163	1 295	90 002	2 347 336	72 029	145 714	1 591 598	8 242 526	15 995 769	24 260 511	526 880
311613	Rendering & meat byproduct processing	137	239	8 798	268 952	5 033	10 572	128 710	1 254 647	1 311 993	2 556 547	114 353
311615	Poultry processing	257	472	224 309	4 055 871	199 751	397 325	3 333 275	12 085 799	19 873 547	31 877 695	624 078
3117	Seafood product preparation & packaging	731	839	40 763	886 350	33 483	63 231	605 813	2 512 047	4 412 177	6 919 210	175 210
31171	Seafood product preparation & packaging	731	839	40 763	886 350	33 483	63 231	605 813	2 512 047	4 412 177	6 919 210	175 210
311711	Seafood canning	152	166	5 371	121 870	4 253	7 645	73 888	330 603	533 089	862 118	21 599
311712	Fresh & frozen seafood processing	586	673	35 392	764 480	29 230	55 586	531 925	2 181 444	3 879 088	6 057 092	153 611
3118	Bakeries & tortilla mfg	10 437	11 246	298 300	7 802 377	185 122	345 366	4 252 283	27 160 518	16 561 544	43 722 668	1 440 509
31181	Bread & bakery product mfg .	9 489	10 119	222 596	5 582 806	126 668	228 769	2 745 715	16 631 875	9 313 748	25 953 070	889 114
311811	Retail bakeries	6 906	7 119	43 603	568 243	26 845	34 286	298 911	1 227 763	716 938	1 946 153	75 760
311812	Commercial bakeries	2 401	2 764	164 033	4 624 748	87 616	170 173	2 171 895	14 036 766	7 453 210	21 494 992	724 834
311813	Frozen cakes, pies, & other pastries mfg	223	236	14 960	389 815	12 207	24 310	274 909	1 367 346	1 143 600	2 511 925	88 520
31182	Cookie, cracker, & pasta mfg	767	893	64 401	2 002 867	49 541	100 370	1 358 168	9 907 805	6 757 226	16 656 299	502 084
311821	Cookie & cracker mfg	322	378	42 804	1 343 993	32 912	65 151	920 690	6 366 872	3 518 363	9 889 921	300 040
311822	Flour mixes & dough mfg from purchased flour	206	249	15 534	484 414	11 963	25 851	321 649	2 495 635	2 523 023	4 999 850	158 993
311823	Dry pasta mfg	249	266	6 063	174 460	4 666	9 368	115 829	1 045 298	715 840	1 766 528	43 051
31183	Tortilla mfg	217	234	11 303	216 704	8 913	16 227	148 400	620 838	490 570	1 113 299	49 311
311830	Tortilla mfg	217	234	11 303	216 704	8 913	16 227	148 400	620 838	490 570	1 113 299	49 311
3119	Other food mfg	2 493	2 882	148 688	4 338 144	109 196	215 723	2 544 397	26 323 935	22 801 616	48 905 169	1 452 928
31191	Snack food mfg	466	559	46 609	1 368 683	35 412	72 675	812 972	7 483 020	6 174 737	13 590 607	488 371
311911	Roasted nuts & peanut butter mfg	128	144	10 128	265 104	7 607	16 296	168 424	1 574 476	2 385 886	3 933 112	81 964
311919	Other snack food mfg	340	415	36 481	1 103 579	27 805	56 379	644 548	5 908 544	3 788 851	9 657 495	406 407
31192	Coffee & tea mfg	215	247	12 895	445 357	8 134	16 538	254 555	3 644 653	4 401 171	7 974 921	166 837
311920	Coffee & tea mfg	215	247	12 895	445 357	8 134	16 538	254 555	3 644 653	4 401 171	7 974 921	166 837
31193	Flavoring syrup & concentrate mfg	149	175	6 243	225 770	3 348	6 839	111 627	4 945 331	1 648 212	6 590 816	144 097
311930	Flavoring syrup & concentrate mfg	149	175	6 243	225 770	3 348	6 839	111 627	4 945 331	1 648 212	6 590 816	144 097
31194	Seasoning & dressing mfg . . .	525	602	26 055	897 346	17 892	34 911	491 155	5 108 356	4 990 907	10 027 200	255 077
311941	Mayonnaise, dressing, & other prepared sauce mfg	293	328	13 927	443 903	10 448	20 212	286 515	2 945 653	2 860 124	5 810 040	139 688
311942	Spice & extract mfg	241	274	12 128	453 443	7 444	14 699	204 640	2 162 703	2 130 783	4 217 160	115 389
31199	All other food mfg	1 197	1 299	56 886	1 400 988	44 410	84 760	874 088	5 142 575	5 586 589	10 721 625	398 546
311991	Perishable prepared food mfg	415	443	20 732	461 355	15 720	29 808	272 127	1 394 441	1 349 973	2 730 103	124 442
311999	All other miscellaneous food mfg	785	856	36 154	939 633	28 690	54 952	601 961	3 748 134	4 236 616	7 991 522	274 104
312	Beverage & tobacco product mfg .	2 237	2 727	175 711	6 735 295	98 389	196 693	3 554 784	56 433 891	41 276 110	96 971 368	3 100 543
3121	Beverage mfg	2 169	2 622	142 117	5 139 203	73 948	148 771	2 518 681	29 743 502	31 824 907	60 896 055	2 381 973
31211	Soft drink & ice mfg	1 008	1 346	83 256	2 627 979	36 580	79 450	1 042 932	13 131 224	19 480 621	32 587 038	913 319
312111	Soft drink mfg	388	614	73 343	2 377 922	31 712	69 764	930 608	12 422 141	18 979 093	31 376 263	832 284
312112	Bottled water mfg	109	151	4 661	132 426	1 961	3 714	57 471	412 997	373 757	785 869	47 508
312113	Ice mfg	514	581	5 252	117 631	2 907	5 972	54 853	296 086	127 771	424 906	33 527
31212	Breweries	494	529	34 251	1 598 573	24 205	43 800	1 083 121	11 234 126	6 967 213	18 203 492	1 021 428
312120	Breweries	494	529	34 251	1 598 573	24 205	43 800	1 083 121	11 234 126	6 967 213	18 203 492	1 021 428
31213	Wineries	637	687	18 193	668 051	8 572	15 784	238 543	3 161 416	3 663 761	6 194 564	371 286
312130	Wineries	637	687	18 193	668 051	8 572	15 784	238 543	3 161 416	3 663 761	6 194 564	371 286
31214	Distilleries	44	60	6 417	244 600	4 591	9 737	154 085	2 216 736	1 713 312	3 910 961	75 940
312140	Distilleries	44	60	6 417	244 600	4 591	9 737	154 085	2 216 736	1 713 312	3 910 961	75 940
3122	Tobacco mfg	70	105	33 594	1 596 092	24 441	47 922	1 036 103	26 690 389	9 451 203	36 075 313	718 570
31221	Tobacco stemming & redrying	13	24	4 955	112 571	3 590	7 470	62 221	619 176	2 715 622	3 263 376	26 637
312210	Tobacco stemming & redrying	13	24	4 955	112 571	3 590	7 470	62 221	619 176	2 715 622	3 263 376	26 637
31222	Tobacco product mfg	63	81	28 639	1 483 521	20 851	40 452	973 882	26 071 213	6 735 581	32 811 937	691 933
312221	Cigarette mfg	9	13	21 302	1 246 557	15 096	28 887	816 131	23 338 692	5 901 854	29 252 787	622 688
312229	Other tobacco product mfg	56	68	7 337	236 964	5 755	11 565	157 751	2 732 521	833 727	3 559 150	69 245

See footnotes at end of table.

Table 1–1d. **Industry Statistics for Industry Groups and Industries: 1997—Con.**

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry	Com- panies ¹	All estab- lish- ments ²	All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments ³ (\$1,000)	Total capital expendi- tures (\$1,000)
				Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	Manufacturing—Con.											
313	Textile mills	3 863	4 694	391 899	10 058 482	332 385	695 900	7 439 112	23 696 948	34 876 899	58 707 401	2 691 704
3131	Fiber, yarn, & thread mills	358	592	82 291	1 891 178	73 973	156 214	1 561 517	4 202 226	8 634 866	12 896 617	537 037
31311	Fiber, yarn, & thread mills	358	592	82 291	1 891 178	73 973	156 214	1 561 517	4 202 226	8 634 866	12 896 617	537 037
313111	Yarn spinning mills	229	408	58 440	1 334 129	52 720	112 451	1 126 224	2 964 156	5 138 206	8 143 185	432 027
313112	Yarn texturing, throwing, & twisting mills	101	135	20 256	478 414	18 044	36 910	374 482	1 096 088	3 115 899	4 231 500	86 329
313113	Thread mills	44	49	3 595	78 635	3 209	6 853	60 811	141 982	380 761	521 932	18 681
3132	Fabric mills	1 796	2 124	217 354	5 613 779	184 433	384 185	4 201 818	12 598 396	17 302 351	29 979 595	1 491 377
31321	Broadwoven fabric mills	734	909	132 797	3 434 157	115 792	242 614	2 729 638	7 505 926	10 661 154	18 269 155	894 514
313210	Broadwoven fabric mills	734	909	132 797	3 434 157	115 792	242 614	2 729 638	7 505 926	10 661 154	18 269 155	894 514
31322	Narrow fabric mills & schiffli machine embroidery	478	511	20 215	445 118	16 700	34 314	306 262	949 913	696 805	1 645 969	77 104
313221	Narrow fabric mills	243	274	16 366	368 459	13 468	27 815	251 828	786 758	623 775	1 409 967	71 807
313222	Schiffli machine embroidery	235	237	3 849	76 659	3 232	6 499	54 434	163 155	73 030	236 002	5 297
31323	Nonwoven fabric mills	212	252	21 162	693 101	15 867	33 228	428 568	1 751 967	2 645 508	4 367 765	301 194
313230	Nonwoven fabric mills	212	252	21 162	693 101	15 867	33 228	428 568	1 751 967	2 645 508	4 367 765	301 194
31324	Knit fabric mills	407	452	43 180	1 041 403	36 074	74 029	737 350	2 390 590	3 298 884	5 696 706	218 565
313241	Wet knit fabric mills	236	255	24 535	570 908	20 567	41 830	404 579	1 150 044	1 915 271	3 070 633	105 808
313249	Other knit fabric & lace mills	181	197	18 645	470 495	15 507	32 199	332 771	1 240 546	1 383 613	2 626 073	112 757
3133	Textile & fabric finishing & fabric coating mills	1 827	1 978	92 254	2 553 525	73 979	155 501	1 675 777	6 896 326	8 939 682	15 831 189	663 290
31331	Textile & fabric finishing mills	1 589	1 719	80 722	2 167 370	65 739	138 706	1 452 456	6 006 310	7 693 568	13 697 712	589 359
313311	Broadwoven fabric finishing mills	1 255	1 337	51 447	1 424 212	41 057	86 709	947 744	4 032 378	5 242 184	9 294 623	311 220
313312	Textile & fabric finishing mills	346	382	29 275	743 158	24 682	51 997	504 712	1 973 932	2 451 384	4 403 089	278 139
31332	Fabric coating mills	246	259	11 532	386 155	8 240	16 795	223 321	890 016	1 246 114	2 133 477	73 931
313320	Fabric coating mills	246	259	11 532	386 155	8 240	16 795	223 321	890 016	1 246 114	2 133 477	73 931
314	Textile product mills	7 516	7 899	235 441	5 088 653	189 082	366 775	3 410 873	13 613 111	17 671 553	31 051 835	718 728
3141	Textile furnishings mills	3 080	3 316	126 041	2 750 812	102 465	207 865	1 918 311	8 588 430	11 896 997	20 296 040	356 404
31411	Carpet & rug mills	413	472	51 624	1 320 268	40 692	89 056	920 979	4 513 421	7 022 584	11 492 786	208 413
314110	Carpet & rug mills	413	472	51 624	1 320 268	40 692	89 056	920 979	4 513 421	7 022 584	11 492 786	208 413
31412	Curtain & linen mills	2 670	2 844	74 417	1 430 544	61 773	118 809	997 332	4 075 009	4 874 413	8 803 254	147 991
314121	Curtain & drapery mills	2 012	2 081	25 384	450 504	19 759	35 605	274 414	943 162	921 664	1 852 089	32 690
314129	Other household textile product mills	668	763	49 033	980 040	42 014	83 204	722 918	3 131 847	3 952 749	6 951 165	115 301
3149	Other textile product mills	4 455	4 583	109 400	2 337 841	86 617	158 910	1 492 562	5 024 681	5 774 556	10 755 795	362 324
31491	Textile bag & canvas mills	2 094	2 123	32 781	667 725	25 892	46 094	400 079	1 307 079	2 209 238	2 502 064	63 526
314911	Textile bag mills	423	435	14 089	253 570	11 850	21 872	160 441	497 914	486 225	972 920	19 034
314912	Canvas & related product mills	1 673	1 688	18 692	414 155	14 042	24 222	239 638	809 156	723 013	1 529 144	44 492
31499	All other textile product mills .	2 366	2 460	76 619	1 670 116	60 725	112 816	1 092 483	3 717 611	4 565 318	8 253 731	298 798
314991	Rope, cordage, & twine mills	189	201	6 417	159 268	4 866	9 711	94 903	377 878	411 187	777 091	25 018
314992	Tire cord & tire fabric mills .	15	21	5 192	155 683	4 296	9 044	113 322	414 831	857 855	1 268 662	67 251
314999	All other miscellaneous textile product mills	2 164	2 238	65 010	1 355 165	51 563	94 061	884 258	2 924 902	3 296 276	6 207 978	206 529
315	Apparel mfg	15 839	16 989	710 796	12 582 352	592 290	1 060 314	8 799 442	33 780 193	34 683 500	68 018 116	941 178
3151	Apparel knitting mills	1 209	1 318	99 901	1 933 113	88 043	170 420	1 511 480	4 630 556	4 945 443	9 600 569	238 122
31511	Hosiery & sock mills	532	590	52 806	982 923	46 944	91 038	780 166	2 196 914	2 360 677	4 562 009	129 522
315111	Sheer hosiery mills	136	154	17 798	349 890	15 869	31 512	277 937	797 444	845 433	1 658 474	37 397
315119	Other hosiery & sock mills .	399	436	35 008	633 033	31 075	59 526	502 229	1 399 470	1 515 244	2 903 535	92 125
31519	Other apparel knitting mills .	683	728	47 095	950 190	41 099	79 382	731 314	2 433 642	2 584 766	5 038 560	108 600
315191	Outerwear knitting mills ...	645	672	40 154	819 788	35 185	68 204	632 965	2 054 070	2 273 005	4 352 532	90 355
315192	Underwear & nightwear knitting mills	43	56	6 941	130 402	5 914	11 178	98 349	379 135	311 761	686 028	18 245
3152	Cut & sew apparel mfg	12 487	13 354	558 328	9 625 941	462 317	814 228	6 648 642	26 800 066	27 518 916	53 851 513	629 588
31521	Cut & sew apparel contractors	7 677	7 841	197 863	2 572 447	177 519	295 376	2 130 859	4 439 438	1 117 706	5 536 959	142 103
315211	Men's & boys' cut & sew apparel contractors	636	715	50 444	693 666	45 469	78 723	578 662	1 241 538	271 017	1 534 022	30 187
315212	Women's, girls', & infants' cut & sew apparel contractors	7 056	7 126	147 419	1 878 781	132 050	216 653	1 552 197	3 197 900	846 689	4 002 937	111 916
31522	Men's & boys' cut & sew apparel mfg	1 362	1 734	177 527	3 098 512	152 390	276 728	2 325 800	10 513 890	11 007 933	21 298 782	209 392
315221	Men's & boys' cut & sew underwear & nightwear mfg	62	74	9 759	162 485	8 803	15 864	133 370	815 424	603 497	1 404 202	7 804
315222	Men's & boys' cut & sew suit, coat, & overcoat mfg	193	221	21 948	460 838	17 750	33 325	321 771	1 110 598	1 020 622	2 082 863	16 227
315223	Men's & boys' cut & sew shirt (exc work shirt) mfg .	387	483	52 648	938 927	44 789	80 887	699 713	3 306 989	3 639 576	6 916 178	62 023
315224	Men's & boys' cut & sew trouser, slack, & jean mfg	199	270	45 219	775 607	40 507	74 012	624 538	3 392 475	3 841 987	7 152 379	52 313
315225	Men's & boys' cut & sew work clothing mfg	149	211	23 306	346 801	19 835	34 421	252 193	999 393	899 411	1 865 304	29 670
315228	Men's & boys' cut & sew other outerwear mfg	430	475	24 647	413 854	20 706	38 219	294 215	889 011	1 002 840	1 877 856	41 355

See footnotes at end of table.

Table 1–1d. Industry Statistics for Industry Groups and Industries: 1997—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry	Com-panies ¹	All estab-lish-ments ²	All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments ³ (\$1,000)	Total capital expendi- tures (\$1,000)
				Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	Manufacturing—Con.											
315	Apparel mfg—Con.											
3152	Cut & sew apparel mfg—Con.											
31523	Women's & girls' cut & sew apparel mfg	2 927	3 091	157 739	3 490 513	112 449	205 150	1 899 696	10 670 675	14 351 608	24 832 784	250 071
315231	Women's & girls' cut/sew lingerie & nightwear mfg .	249	284	26 081	451 917	20 491	39 144	306 652	1 705 803	2 138 835	3 910 357	21 456
315232	Women's & girls' cut & sew blouse & shirt mfg	714	727	26 201	554 072	19 217	33 034	302 185	1 667 037	2 392 071	3 995 123	31 317
315233	Women's & girls' cut & sew dress mfg	747	772	28 280	711 042	17 618	31 231	348 008	2 011 924	3 058 502	5 009 262	41 826
315234	Women's & girls' cut & sew suit, coat, skirt mfg	428	438	20 324	528 734	12 946	23 190	246 832	1 656 257	2 182 131	3 759 250	22 238
315239	Women's & girls' cut & sew other outerwear mfg	818	870	56 853	1 244 748	42 177	78 551	696 019	3 629 654	4 580 069	8 158 792	133 234
31529	Other cut & sew apparel mfg	665	688	25 199	464 469	19 959	36 974	292 287	1 176 063	1 041 669	2 182 988	28 022
315291	Infants' cut & sew apparel mfg	39	53	9 457	152 721	7 879	15 425	112 899	487 099	457 862	945 119	7 612
315292	Fur & leather apparel mfg .	224	224	2 132	45 928	1 606	2 977	27 345	115 965	129 663	244 687	3 412
315299	All other cut & sew apparel mfg	402	411	13 610	265 820	10 474	18 572	152 043	572 999	454 144	993 182	16 998
3159	Apparel accessories & other apparel mfg	2 201	2 317	52 567	1 023 298	41 930	75 666	639 320	2 349 571	2 219 141	4 566 034	73 468
31599	Apparel accessories & other apparel mfg	2 201	2 317	52 567	1 023 298	41 930	75 666	639 320	2 349 571	2 219 141	4 566 034	73 468
315991	Hat, cap, & millinery mfg .	363	390	17 237	303 495	14 090	25 539	214 402	570 346	404 686	980 704	18 687
315992	Glove & mitten mfg	98	131	6 412	119 679	5 308	9 837	79 297	337 930	335 609	672 639	7 684
315993	Men's & boys' neckwear mfg	119	124	4 936	117 274	3 820	6 883	61 907	330 533	270 002	598 457	3 623
315999	Other apparel accessories & other apparel mfg	1 626	1 672	23 982	482 850	18 712	33 407	283 714	1 110 762	1 208 844	2 314 234	43 474
316	Leather & allied product mfg	1 727	1 861	85 115	1 832 341	68 733	133 908	1 185 870	5 407 999	5 480 529	10 876 510	167 254
3161	Leather & hide tanning & finishing	327	357	14 898	408 772	12 348	24 867	303 177	1 372 896	2 192 848	3 576 657	63 089
31611	Leather & hide tanning & finishing	327	357	14 898	408 772	12 348	24 867	303 177	1 372 896	2 192 848	3 576 657	63 089
316110	Leather & hide tanning & finishing	327	357	14 898	408 772	12 348	24 867	303 177	1 372 896	2 192 848	3 576 657	63 089
3162	Footwear mfg	366	427	41 744	827 526	34 669	66 707	542 243	2 219 507	2 018 550	4 210 975	53 912
31621	Footwear mfg	366	427	41 744	827 526	34 669	66 707	542 243	2 219 507	2 018 550	4 210 975	53 912
316211	Rubber & plastics footwear mfg	50	59	8 292	168 185	6 890	14 467	119 135	519 953	498 663	1 009 838	19 850
316212	House slipper mfg	22	25	2 501	51 471	1 960	4 303	30 799	147 572	125 482	263 816	2 247
316213	Men's footwear (except athletic) mfg	123	146	17 182	367 831	14 088	25 767	236 591	1 065 698	974 259	2 019 647	22 764
316214	Women's footwear (except athletic) mfg	97	108	10 442	183 020	8 905	16 988	114 011	373 803	322 851	703 653	5 162
316219	Other footwear mfg	87	89	3 327	57 019	2 826	5 182	41 707	112 481	97 295	214 021	3 889
3169	Other leather & allied product mfg	1 045	1 077	28 473	596 043	21 716	42 334	340 450	1 815 596	1 269 131	3 088 878	50 253
31699	Other leather & allied product mfg	1 045	1 077	28 473	596 043	21 716	42 334	340 450	1 815 596	1 269 131	3 088 878	50 253
316991	Luggage mfg	270	278	9 550	219 951	6 958	13 571	115 006	858 991	568 128	1 425 871	18 943
316992	Women's handbag & purse mfg	136	137	3 492	78 998	2 726	5 380	46 073	162 276	126 201	287 341	4 415
316993	Personal leather good (except women's handbag & purse) mfg	178	180	5 215	109 840	3 837	7 722	57 729	279 219	182 618	465 206	6 357
316999	All other leather good mfg .	464	482	10 216	187 254	8 195	15 661	121 642	515 110	392 184	910 460	20 538
321	Wood product mfg	15 621	17 367	570 034	14 319 193	476 225	948 438	10 567 993	33 493 004	55 299 641	88 470 180	2 869 234
3211	Sawmills & wood preservation .	4 372	4 841	130 935	3 478 548	111 962	230 740	2 717 104	9 481 550	19 789 802	29 093 601	1 161 016
32111	Sawmills & wood preservation	4 372	4 841	130 935	3 478 548	111 962	230 740	2 717 104	9 481 550	19 789 802	29 093 601	1 161 016
321113	Sawmills	4 024	4 390	119 267	3 180 425	102 788	212 176	2 527 290	8 521 097	16 227 066	24 632 080	1 079 446
321114	Wood preservation	361	451	11 668	298 123	9 174	18 564	189 814	960 453	3 562 736	4 461 521	81 570
3212	Veneer, plywood, & engineered wood product mfg	1 491	1 841	113 085	3 155 921	94 202	200 835	2 350 065	7 208 798	11 673 718	18 815 394	762 558
32121	Veneer, plywood, & engineered wood product mfg	1 491	1 841	113 085	3 155 921	94 202	200 835	2 350 065	7 208 798	11 673 718	18 815 394	762 558
321211	Hardwood veneer & plywood mfg	303	331	22 029	523 831	19 220	39 449	389 234	1 121 661	1 751 522	2 861 556	71 305
321212	Softwood veneer & plywood mfg	88	154	28 435	895 756	25 747	59 494	776 233	1 713 341	3 950 877	5 658 347	163 510
321213	Engineered wood member (except truss) mfg	32	53	5 372	154 564	4 469	9 701	118 939	476 346	974 548	1 431 123	53 742
321214	Truss mfg	886	987	32 069	784 839	24 266	47 270	470 967	1 584 826	2 032 748	3 610 943	84 398
321219	Reconstituted wood product mfg	212	316	25 180	796 931	20 500	44 921	594 692	2 312 624	2 964 023	5 253 425	389 603
3219	Other wood product mfg	9 923	10 685	326 014	7 684 724	270 061	516 863	5 500 824	16 802 656	23 836 121	40 561 185	945 660
32191	Millwork	3 985	4 261	140 506	3 434 757	116 828	229 267	2 528 265	7 463 664	11 631 811	19 040 942	469 484
321911	Wood window & door mfg .	1 311	1 406	63 806	1 702 872	51 706	102 542	1 229 286	3 687 713	4 970 743	8 673 423	204 866
321912	Cut stock, resawing lumber, & planing	1 296	1 391	39 205	878 081	33 921	66 395	675 578	1 940 712	4 010 533	5 925 115	160 314
321918	Other millwork (including flooring)	1 416	1 464	37 495	853 804	31 201	60 330	623 401	1 835 239	2 650 535	4 442 404	104 304
32192	Wood container & pallet mfg .	2 870	2 991	51 173	971 865	43 071	79 058	689 861	1 999 828	2 495 045	4 489 070	129 873
321920	Wood container & pallet mfg	2 870	2 991	51 173	971 865	43 071	79 058	689 861	1 999 828	2 495 045	4 489 070	129 873

See footnotes at end of table.

Table 1–1d. **Industry Statistics for Industry Groups and Industries: 1997—Con.**

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry	Com-panies ¹	All estab-lish-ments ²	All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments ³ (\$1,000)	Total capital expendi- tures (\$1,000)
				Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	Manufacturing—Con.											
321	Wood product mfg—Con.											
3219	Other wood product mfg—Con.											
32199	All other wood product mfg ..	3 103	3 433	134 335	3 278 102	110 162	208 538	2 282 698	7 339 164	9 709 265	17 031 173	346 303
321991	Manufactured home (mobile home) mfg	145	320	67 470	1 771 302	57 000	108 090	1 270 023	4 009 319	6 081 981	10 085 615	140 948
321992	Prefabricated wood building mfg	652	706	23 187	592 344	16 790	32 723	348 024	1 274 863	1 752 312	3 028 520	55 497
321999	All other miscellaneous wood product mfg	2 309	2 407	43 678	914 456	36 372	67 725	664 651	2 054 982	1 874 972	3 917 038	149 858
322	Paper mfg	3 808	5 868	574 274	22 311 971	440 096	935 795	15 187 973	70 300 235	80 189 518	150 295 890	8 595 133
3221	Pulp, paper, & paperboard mills	217	546	201 540	10 001 730	156 546	342 376	7 216 702	35 230 199	36 334 352	71 539 224	5 727 647
32211	Pulp mills	24	36	8 048	417 689	6 084	12 915	295 393	1 507 468	1 694 648	3 263 973	344 652
322110	Pulp mills	24	36	8 048	417 689	6 084	12 915	295 393	1 507 468	1 694 648	3 263 973	344 652
32212	Paper mills	139	296	138 985	6 915 579	108 622	236 354	5 007 106	24 681 603	23 540 735	48 161 554	3 768 677
322121	Paper (except newsprint) mills	121	267	125 935	6 197 015	98 577	214 510	4 483 213	22 128 898	20 914 676	42 966 163	3 404 261
322122	Newsprint mills	24	29	13 050	718 564	10 045	21 844	523 893	2 552 705	2 626 059	5 195 391	364 416
32213	Paperboard mills	81	214	54 507	2 668 462	41 840	93 107	1 914 203	9 041 128	11 098 969	20 113 697	1 614 318
322130	Paperboard mills	81	214	54 507	2 668 462	41 840	93 107	1 914 203	9 041 128	11 098 969	20 113 697	1 614 318
3222	Converted paper product mfg ..	3 674	5 322	372 734	12 310 241	283 550	593 419	7 971 271	35 070 036	43 855 166	78 756 666	2 867 486
32221	Paperboard container mfg ...	1 705	2 834	207 346	6 939 598	158 183	332 734	4 459 052	16 169 581	23 837 340	39 973 012	1 566 678
322211	Corrugated & solid fiber box mfg	995	1 733	124 641	4 260 630	91 401	190 936	2 576 043	9 627 993	15 950 040	25 555 136	966 285
322212	Folding paperboard box mfg	434	582	50 465	1 745 178	40 114	87 845	1 195 314	4 118 767	4 802 008	8 929 351	443 225
322213	Setup paperboard box mfg	142	153	6 033	142 263	4 810	9 333	90 006	299 516	216 728	512 314	21 332
322214	Fiber can, tube, drum, & similar products mfg	138	284	11 498	355 517	9 481	19 292	261 515	952 629	1 352 153	2 305 281	70 009
322215	Nonfolding sanitary food container mfg	46	82	14 709	436 010	12 377	25 328	336 174	1 170 676	1 516 411	2 670 930	65 827
32222	Paper bag & coated & treated paper mfg	764	945	75 370	2 624 531	55 717	119 916	1 660 845	8 708 660	10 696 858	19 367 269	558 655
322221	Coated & laminated packaging paper & plastics film mfg	73	85	5 385	183 786	4 171	9 112	123 403	541 684	956 326	1 491 170	46 285
322222	Coated & laminated paper mfg	509	579	41 550	1 552 642	28 611	61 493	918 343	5 843 950	6 011 082	11 845 958	363 320
322223	Plastics, foil, & coated paper bag mfg	40	41	2 991	94 810	2 147	4 345	55 454	240 445	254 889	493 924	16 979
322224	Uncoated paper & multiwall bag mfg	93	143	16 808	461 405	14 199	30 322	345 294	1 124 247	1 679 126	2 794 934	79 978
322225	Laminated aluminum foil mfg for flexible packaging uses	34	42	5 342	205 766	4 112	9 111	142 801	603 535	996 431	1 587 850	36 925
322226	Surface-coated paperboard mfg	42	55	3 294	126 122	2 477	5 533	75 550	354 799	799 004	1 153 433	15 168
32223	Stationery product mfg	674	806	47 750	1 375 317	36 136	72 964	903 722	3 736 501	4 130 901	7 734 912	248 190
322231	Die-cut paper & paperboard office supplies mfg	337	357	12 552	337 559	9 813	19 921	223 444	992 306	1 150 628	2 105 012	55 008
322232	Envelope mfg	188	278	25 981	796 765	19 629	40 089	530 309	1 744 897	1 924 526	3 655 270	148 406
322233	Stationery, tablet, & related product mfg	158	171	9 217	240 993	6 694	12 954	149 969	999 298	1 055 747	1 974 630	44 776
32229	Other converted paper product mfg	623	737	42 268	1 370 795	33 514	67 805	947 652	6 455 294	5 190 067	11 681 473	493 963
322291	Sanitary paper product mfg	99	136	18 360	680 102	14 980	31 266	514 519	4 463 242	3 345 082	7 833 607	373 969
322299	All other converted paper product mfg	529	601	23 908	690 693	18 534	36 539	433 133	1 992 052	1 844 985	3 847 866	119 994
323	Printing & related support activities	40 987	42 863	834 404	26 022 991	607 637	1 164 310	16 336 416	58 392 618	39 219 976	97 485 138	5 052 110
3231	Printing & related support activities	40 987	42 863	834 404	26 022 991	607 637	1 164 310	16 336 416	58 392 618	39 219 976	97 485 138	5 052 110
32311	Printing	36 617	38 242	751 027	23 250 806	544 646	1 041 535	14 532 062	52 916 516	37 779 163	90 564 648	4 703 898
323110	Commercial lithographic printing	18 015	18 602	413 680	13 708 665	299 255	585 415	8 619 364	29 460 988	20 662 589	50 027 462	3 009 917
323111	Commercial gravure printing	419	450	23 126	802 731	19 323	38 515	619 074	1 911 486	1 983 432	3 892 449	250 899
323112	Commercial flexographic printing	864	909	30 348	1 027 927	20 474	41 999	564 226	2 521 146	2 176 378	4 675 493	204 874
323113	Commercial screen printing	4 096	4 143	72 479	1 731 971	53 292	95 544	983 156	3 708 959	2 903 873	6 622 326	266 409
323114	Quick printing	7 990	8 259	52 069	1 248 931	36 484	59 090	765 602	2 674 764	4 147 788	4 147 788	191 322
323115	Digital printing	386	386	4 222	122 560	2 834	5 058	67 259	270 928	134 210	405 679	27 700
323116	Manifold business form printing	719	1 033	55 884	1 678 053	38 992	75 106	1 075 577	5 631 433	3 887 345	9 516 072	257 543
323117	Book printing	690	743	49 047	1 530 539	38 782	75 742	1 057 001	3 300 926	2 216 983	5 517 171	289 820
323118	Blankbook, looseleaf binder, & device mfg	283	299	17 565	496 481	12 566	25 249	256 314	1 530 134	1 017 065	2 540 799	82 328
323119	Other commercial printing ..	3 387	3 418	32 607	902 948	22 644	39 817	524 489	1 905 752	1 322 500	3 220 025	123 086
32312	Support activities for printing ..	4 448	4 621	83 377	2 772 185	62 991	122 775	1 804 354	5 476 102	1 440 813	6 920 490	348 212
323121	Tradebinding & related work	1 260	1 284	30 831	755 060	25 510	49 986	534 978	1 487 276	457 629	1 946 867	88 962
323122	Prepress services	3 191	3 337	52 546	2 017 125	37 481	72 789	1 269 376	3 988 826	983 184	4 973 623	259 250

See footnotes at end of table.

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NAICS code	Industry	Com- panies ¹	All estab- lish- ments ²	All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments ³ (\$1,000)	Total capital expendi- tures (\$1,000)
				Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	Manufacturing—Con.											
324	Petroleum & coal products mfg ..	1 166	2 146	107 625	5 546 082	71 554	161 036	3 421 272	37 610 773	139 509 979	177 393 098	4 755 162
3241	Petroleum & coal products mfg	1 166	2 146	107 625	5 546 082	71 554	161 036	3 421 272	37 610 773	139 509 979	177 393 098	4 755 162
32411	Petroleum refineries	122	242	65 448	3 884 869	42 693	99 837	2 412 190	30 878 456	127 555 077	158 667 598	4 244 371
324110	Petroleum refineries	122	242	65 448	3 884 869	42 693	99 837	2 412 190	30 878 456	127 555 077	158 667 598	4 244 371
32412	Asphalt paving, roofing, & saturated materials mfg	674	1 418	27 301	1 059 768	20 054	43 122	709 048	4 007 042	6 969 639	10 981 761	345 465
324121	Asphalt paving mixture & block mfg	531	1 168	13 946	560 441	10 097	21 183	372 301	1 974 057	3 897 190	5 887 180	195 527
324122	Asphalt shingle & coating materials mfg	151	250	13 355	499 327	9 957	21 939	336 747	2 032 985	3 072 449	5 094 581	149 938
32419	Other petroleum & coal products mfg	403	486	14 876	601 445	8 807	18 077	300 034	2 725 275	4 985 263	7 743 739	165 326
324191	Petroleum lubricating oil & grease mfg	344	413	11 242	448 857	5 966	11 923	192 066	2 068 913	3 973 546	6 070 406	105 229
324199	All other petroleum & coal products mfg	61	73	3 634	152 588	2 841	6 154	107 968	656 362	1 011 717	1 673 333	60 097
325	Chemical mfg	9 626	13 474	882 645	39 835 717	512 152	1 068 966	19 192 170	224 684 500	192 199 632	415 616 508	21 669 251
3251	Basic chemical mfg	1 203	2 418	200 766	10 290 943	114 874	244 213	5 417 819	53 736 421	59 632 425	113 356 912	7 908 365
32511	Petrochemical mfg	42	52	10 192	620 132	5 741	12 869	326 988	8 359 545	11 192 888	19 468 615	988 915
325110	Petrochemical mfg	42	52	10 192	620 132	5 741	12 869	326 988	8 359 545	11 192 888	19 468 615	988 915
32512	Industrial gas mfg	119	646	12 636	579 853	6 814	14 518	296 561	3 485 572	1 918 360	5 416 308	728 910
325120	Industrial gas mfg	119	646	12 636	579 853	6 814	14 518	296 561	3 485 572	1 918 360	5 416 308	728 910
32513	Dye & pigment mfg	152	197	17 318	782 624	10 558	22 427	452 367	3 361 633	3 038 484	6 438 366	340 062
325131	Inorganic dye & pigment mfg	59	74	8 629	394 603	5 675	11 827	251 387	2 030 987	1 709 715	3 745 010	211 915
325132	Synthetic organic dye & pigment mfg	95	123	8 689	388 021	4 883	10 600	200 980	1 330 646	1 328 769	2 693 356	128 147
32518	Other basic inorganic chemical mfg	409	698	60 055	2 971 865	31 710	64 838	1 470 779	12 729 040	7 969 310	20 731 059	1 211 259
325181	Alkalies & chlorine mfg	26	39	4 859	272 779	3 348	7 085	175 560	1 421 798	1 064 748	2 465 183	284 549
325182	Carbon black mfg	8	22	1 769	90 694	1 123	2 733	53 892	547 537	445 282	990 391	89 107
325188	All other basic inorganic chemical mfg	385	637	53 427	2 608 392	27 239	55 020	1 241 327	10 759 705	6 459 280	17 275 485	837 603
32519	Other basic organic chemical mfg	581	825	100 565	5 336 469	60 051	129 561	2 871 124	25 800 631	35 513 383	61 302 564	4 639 219
325191	Gum & wood chemical mfg	45	62	2 261	84 253	1 703	3 775	56 457	469 629	348 290	814 676	33 575
325192	Cyclic crude & intermediate mfg	36	51	8 641	467 132	5 153	11 442	257 924	2 807 384	4 053 054	6 861 138	768 610
325193	Ethyl alcohol mfg	31	36	1 503	58 421	1 037	2 288	38 109	226 520	994 308	1 222 166	36 694
325199	All other basic organic chemical mfg	487	676	88 160	4 726 663	52 158	112 056	2 518 634	22 297 098	30 117 731	52 404 584	3 800 340
3252	Resin, syn rubber, & artificial & syn fibers & filaments mfg	469	780	115 691	5 397 924	78 859	172 461	3 286 931	27 307 501	37 346 437	64 417 772	3 953 660
32521	Resin & synthetic rubber mfg	406	674	73 804	3 788 883	45 897	100 261	2 164 062	20 399 243	31 145 699	51 379 595	3 312 417
325211	Plastics material & resin mfg	299	530	61 632	3 160 542	38 078	83 556	1 798 060	17 625 910	27 750 752	45 225 887	2 923 891
325212	Synthetic rubber mfg	122	144	12 172	628 341	7 819	16 705	366 002	2 773 333	3 394 947	6 153 708	388 526
32522	Artificial & synthetic fibers & filaments mfg	70	106	41 887	1 609 041	32 962	72 200	1 122 869	6 908 258	6 200 738	13 038 177	641 243
325221	Cellulosic organic fiber mfg	4	6	4 802	174 879	3 750	7 875	120 838	603 753	500 989	1 096 983	46 741
325222	Noncellulosic organic fiber mfg	67	100	37 085	1 434 162	29 212	64 325	1 002 031	6 304 505	5 699 749	11 941 194	594 502
3253	Pesticide, fertilizer, & other agricultural chemical mfg	692	911	37 123	1 515 969	23 746	51 894	870 343	12 576 259	11 802 223	24 176 999	1 308 297
32531	Fertilizer mfg	477	652	23 150	880 977	15 646	34 726	546 199	4 900 041	7 943 425	12 759 745	871 077
325311	Nitrogenous fertilizer mfg ..	116	145	5 811	286 132	3 701	8 133	170 626	1 814 299	2 172 209	3 961 254	589 737
325312	Phosphatic fertilizer mfg ..	43	58	8 482	357 905	5 907	14 039	240 391	2 062 571	3 451 125	5 474 672	210 209
325314	Fertilizer (mixing only) mfg	334	449	8 857	236 940	6 038	12 554	135 182	1 023 171	2 320 091	3 323 819	71 131
32532	Pesticide & other agricultural chemical mfg	222	259	13 973	634 992	8 100	17 168	324 144	7 676 218	3 858 798	11 417 254	437 220
325320	Pesticide & other agricultural chemical mfg ..	222	259	13 973	634 992	8 100	17 168	324 144	7 676 218	3 858 798	11 417 254	437 220
3254	Pharmaceutical & medicine mfg	1 428	1 761	203 337	10 111 751	100 900	205 009	3 690 325	64 108 002	29 616 274	92 932 786	4 750 538
32541	Pharmaceutical & medicine mfg	1 428	1 761	203 337	10 111 751	100 900	205 009	3 690 325	64 108 002	29 616 274	92 932 786	4 750 538
325411	Medicinal & botanical mfg ..	312	338	27 764	1 530 029	13 505	29 216	596 030	6 297 660	5 588 337	11 888 455	1 125 300
325412	Pharmaceutical preparation mfg	707	832	114 119	5 522 283	61 848	124 912	2 131 449	47 864 824	19 480 126	66 734 737	2 491 682
325413	In-vitro diagnostic substance mfg	203	228	38 485	2 051 030	13 626	26 352	579 439	6 253 818	2 435 838	8 682 377	706 684
325414	Biological product (except diagnostic) mfg	267	363	22 969	1 008 409	11 921	24 529	383 407	3 691 700	2 111 973	5 627 217	426 872
3255	Paint, coating, & adhesive mfg ..	1 724	2 181	74 464	2 903 042	40 854	81 651	1 259 535	12 618 013	13 799 470	26 369 629	654 220
32551	Paint & coating mfg	1 205	1 492	52 772	2 071 651	28 231	55 378	876 073	9 234 712	9 860 724	19 057 194	411 043
325510	Paint & coating mfg	1 205	1 492	52 772	2 071 651	28 231	55 378	876 073	9 234 712	9 860 724	19 057 194	411 043
32552	Adhesive mfg	540	689	21 692	831 391	12 623	26 273	383 462	3 383 301	3 938 746	7 312 435	243 177
325520	Adhesive mfg	540	689	21 692	831 391	12 623	26 273	383 462	3 383 301	3 938 746	7 312 435	243 177

See footnotes at end of table.

Table 1–1d. **Industry Statistics for Industry Groups and Industries: 1997—Con.**

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry	Com-panies ¹	All estab-lish-ments ²	All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments ³ (\$1,000)	Total capital expendi-tures (\$1,000)
				Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	Manufacturing—Con.											
325	Chemical mfg—Con.											
3256	Soap, cleaning compound, & toilet preparation mfg	2 251	2 468	126 446	4 567 517	77 754	154 558	2 179 672	34 359 408	20 876 590	55 141 340	1 478 636
32561	Soap & cleaning compound mfg	1 583	1 742	62 479	2 454 050	37 266	76 994	1 197 672	17 755 669	13 183 941	30 928 488	906 378
325611	Soap & other detergent mfg	738	805	31 052	1 268 061	18 152	36 800	626 457	10 478 562	7 337 083	17 772 851	464 466
325612	Polish & other sanitation good mfg	675	727	21 985	724 411	14 133	28 728	360 261	5 149 717	3 190 254	8 369 554	153 642
325613	Surface active agent mfg ..	183	210	9 442	461 578	4 981	11 466	210 954	2 127 390	2 656 604	4 786 083	288 270
32562	Toilet preparation mfg	681	726	63 967	2 113 467	40 488	77 564	982 000	16 603 739	7 692 649	24 212 852	572 258
325620	Toilet preparation mfg ..	681	726	63 967	2 113 467	40 488	77 564	982 000	16 603 739	7 692 649	24 212 852	572 258
3259	Other chemical product mfg ...	2 287	2 955	124 818	5 048 571	75 165	159 180	2 487 545	19 978 896	19 126 213	39 221 070	1 615 535
32591	Printing ink mfg	255	566	13 196	509 564	7 001	14 674	243 525	1 627 402	2 480 229	4 076 500	90 509
325910	Printing ink mfg	255	566	13 196	509 564	7 001	14 674	243 525	1 627 402	2 480 229	4 076 500	90 509
32592	Explosives mfg	66	103	8 972	312 301	6 648	13 516	190 534	789 782	649 413	1 447 274	44 209
325920	Explosives mfg	66	103	8 972	312 301	6 648	13 516	190 534	789 782	649 413	1 447 274	44 209
32599	All other chemical product & preparation mfg	1 973	2 286	102 650	4 226 706	61 516	130 990	2 053 486	17 561 712	15 996 571	33 697 296	1 480 817
325991	Custom compounding of purchased resin	728	829	27 664	969 961	18 130	36 014	508 084	3 092 396	4 871 853	7 960 246	298 243
325992	Photographic film, paper, plate, & chemical mfg	276	311	39 090	1 836 912	21 863	51 584	856 684	7 673 452	5 072 320	12 918 747	571 275
325998	All other miscellaneous chemical product & preparation mfg	985	1 146	35 896	1 419 833	21 523	43 392	688 718	6 795 864	6 052 398	12 818 303	611 299
326	Plastics & rubber products mfg...	13 798	16 821	1 023 060	29 804 904	805 689	1 607 820	19 828 676	81 349 082	77 994 466	159 161 346	7 836 663
3261	Plastics product mfg	11 613	14 012	820 707	23 029 570	644 417	1 277 327	14 957 832	63 280 786	61 404 727	124 445 374	6 451 221
32611	Unsupported plastics film, sheet, & bag mfg	1 250	1 486	110 292	3 646 537	84 706	178 589	2 389 616	11 591 673	13 069 256	24 624 844	1 324 069
326111	Unsupported plastics bag mfg	440	498	40 671	1 168 260	33 153	69 064	808 133	3 402 530	3 906 147	7 300 237	366 375
326112	Unsupported plastics packaging film & sheet mfg	131	164	15 428	550 628	11 960	26 406	390 046	1 606 103	2 024 844	3 638 911	214 642
326113	Unsupported plastics film & sheet (except packaging) mfg	713	824	54 193	1 927 649	39 593	83 119	1 191 437	6 583 040	7 138 265	13 685 696	743 052
32612	Plastics pipe, pipe fitting, & unsupported profile shape mfg	1 048	1 230	47 419	1 409 531	35 828	71 193	880 768	4 066 325	5 207 289	9 228 294	458 816
326121	Unsupported plastics profile shape mfg	733	787	27 449	857 876	20 145	40 386	512 494	2 273 968	2 149 086	4 436 148	215 561
326122	Plastics pipe & pipe fitting mfg	317	443	19 970	551 655	15 683	30 807	368 274	1 792 357	3 058 203	4 792 146	243 255
32613	Laminated plastics plate, sheet, & shape mfg	438	457	16 517	545 933	12 898	27 290	366 539	1 624 612	1 569 088	3 195 293	139 476
326130	Laminated plastics plate, sheet, & shape mfg	438	457	16 517	545 933	12 898	27 290	366 539	1 624 612	1 569 088	3 195 293	139 476
32614	Polystyrene foam product mfg	379	518	27 142	759 412	21 651	44 179	520 399	2 420 515	2 477 909	4 899 240	317 912
326140	Polystyrene foam product mfg	379	518	27 142	759 412	21 651	44 179	520 399	2 420 515	2 477 909	4 899 240	317 912
32615	Urethane & other foam product (except polystyrene) mfg	447	660	37 362	1 008 426	29 732	56 309	657 957	2 822 544	3 860 712	6 664 656	216 869
326150	Urethane & other foam product (except polystyrene) mfg	447	660	37 362	1 008 426	29 732	56 309	657 957	2 822 544	3 860 712	6 664 656	216 869
32616	Plastics bottle mfg	245	466	33 933	963 813	28 892	59 651	736 959	3 097 170	3 267 717	6 335 218	447 247
326160	Plastics bottle mfg	245	466	33 933	963 813	28 892	59 651	736 959	3 097 170	3 267 717	6 335 218	447 247
32619	Other plastics product mfg ..	8 077	9 195	548 042	14 695 918	430 710	840 116	9 405 594	37 657 947	31 952 756	69 497 829	3 546 832
326191	Plastics plumbing fixture mfg	539	570	19 254	452 514	14 913	29 618	299 326	1 239 095	937 423	2 181 207	48 736
326192	Resilient floor covering mfg	28	36	6 070	270 689	4 739	9 694	199 622	946 321	758 886	1 684 216	66 721
326199	All other plastics product mfg	7 522	8 589	522 718	13 972 715	411 058	800 804	8 906 646	35 472 531	30 256 447	65 632 406	3 431 375
3262	Rubber product mfg	2 271	2 809	202 353	6 775 334	161 272	330 493	4 870 844	18 068 296	16 589 739	34 715 972	1 385 442
32621	Tire mfg	736	911	72 189	2 962 564	60 041	123 368	2 345 619	7 917 563	7 754 560	15 699 140	611 115
326211	Tire mfg (except retreading)	110	161	64 334	2 772 569	54 156	110 662	2 219 999	7 521 527	7 182 764	14 728 525	587 101
326212	Tire retreading	628	750	7 855	189 995	5 885	12 706	125 620	396 036	571 796	970 615	24 014
32622	Rubber & plastics hoses & belting mfg	149	218	24 182	749 220	18 758	39 339	521 633	2 162 353	1 822 849	4 025 238	144 948
326220	Rubber & plastics hoses & belting mfg	149	218	24 182	749 220	18 758	39 339	521 633	2 162 353	1 822 849	4 025 238	144 948
32629	Other rubber product mfg ...	1 408	1 680	105 982	3 063 550	82 473	167 786	2 003 592	7 988 380	7 012 330	14 991 594	629 379
326291	Rubber product mfg for mechanical use	608	716	55 397	1 593 564	44 429	91 977	1 091 734	3 857 118	2 835 920	6 668 381	345 438
326299	All other rubber product mfg	827	964	50 585	1 469 986	38 044	75 809	911 858	4 131 262	4 176 410	8 323 213	283 941

See footnotes at end of table.

Table 1–1d. **Industry Statistics for Industry Groups and Industries: 1997—Con.**

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry	Com-panies ¹	All estab-lish-ments ²	All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments ³ (\$1,000)	Total capital expenditures (\$1,000)
				Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	Manufacturing—Con.											
327	Nonmetallic mineral product mfg .	11 921	16 310	501 471	16 172 049	388 898	797 684	11 319 464	49 425 491	37 072 480	86 464 708	4 798 921
3271	Clay product & refractory mfg . .	1 715	1 972	80 441	2 235 382	63 892	126 455	1 576 150	5 915 703	3 201 379	9 107 840	414 410
32711	Pottery, ceramics, & plumbing fixture mfg	1 204	1 253	42 557	1 114 784	34 231	66 068	803 891	2 813 867	1 199 660	3 992 979	159 671
327111	Vitreous china plumbing fixture & bathroom accessories mfg	43	57	9 222	284 871	7 816	16 305	234 827	807 165	287 587	1 109 995	14 877
327112	Vitreous china, fine earthenware, & other pottery product mfg	1 034	1 048	23 253	504 659	18 575	33 644	353 921	1 208 102	540 985	1 715 783	76 465
327113	Porcelain electrical supply mfg	131	148	10 082	325 254	7 840	16 119	215 143	798 600	371 088	1 167 201	68 329
32712	Clay building material & refractories mfg	519	719	37 884	1 120 598	29 661	60 387	772 259	3 101 836	2 001 719	5 114 861	254 739
327121	Brick & structural clay tile mfg	127	223	13 694	360 947	10 858	22 136	248 671	970 014	439 178	1 411 833	70 726
327122	Ceramic wall & floor tile mfg	157	168	8 755	214 860	7 439	15 017	166 180	556 920	297 905	851 405	58 800
327123	Other structural clay product mfg	48	51	1 332	35 163	1 025	1 945	22 877	80 941	34 771	117 376	4 856
327124	Clay refractory mfg	115	147	5 781	199 274	4 386	8 809	138 806	564 030	552 865	1 115 939	25 605
327125	Nonclay refractory mfg	91	130	8 322	310 354	5 953	12 480	195 725	929 931	677 000	1 618 308	94 752
3272	Glass & glass product mfg	1 996	2 260	128 565	4 428 351	105 051	217 330	3 320 718	14 052 256	8 735 491	22 732 942	1 642 137
32721	Glass & glass product mfg . .	1 996	2 260	128 565	4 428 351	105 051	217 330	3 320 718	14 052 256	8 735 491	22 732 942	1 642 137
327211	Flat glass mfg	13	36	11 579	535 454	9 474	21 457	421 377	1 888 718	926 796	2 795 507	176 690
327212	Other pressed & blown glass & glassware mfg . . .	465	513	35 383	1 228 719	29 423	61 361	943 615	4 341 468	1 809 430	6 094 602	627 705
327213	Glass container mfg	11	61	21 184	840 703	18 679	37 300	710 641	2 557 999	1 589 110	4 198 122	283 023
327215	Glass product mfg made of purchased glass	1 522	1 650	60 419	1 823 475	47 475	97 212	1 245 085	5 264 075	4 410 155	9 644 711	554 719
3273	Cement & concrete product mfg	5 930	9 156	194 970	6 190 454	145 829	300 841	4 172 094	17 964 132	16 639 105	34 591 507	1 802 948
32731	Cement mfg	176	277	16 925	734 226	12 496	27 244	498 001	4 022 503	2 475 798	6 531 747	505 630
327310	Cement mfg	176	277	16 925	734 226	12 496	27 244	498 001	4 022 503	2 475 798	6 531 747	505 630
32732	Ready-mix concrete mfg	2 888	5 221	93 136	2 965 346	72 464	147 770	2 153 268	7 780 774	9 418 330	17 219 886	798 851
327320	Ready-mix concrete mfg . .	2 888	5 221	93 136	2 965 346	72 464	147 770	2 153 268	7 780 774	9 418 330	17 219 886	798 851
32733	Concrete pipe, brick, & block mfg	955	1 346	32 164	990 225	22 043	46 594	580 378	2 655 107	2 233 924	4 852 512	228 914
327331	Concrete block & brick mfg	708	931	18 079	559 417	11 202	23 738	292 938	1 463 652	1 407 165	2 844 076	149 684
327332	Concrete pipe mfg	264	415	14 085	430 808	10 841	22 856	287 440	1 191 455	2 008 436	2 008 436	79 230
32739	Other concrete product mfg .	2 079	2 312	52 745	1 500 657	38 826	79 233	940 447	3 505 748	2 511 053	5 987 362	269 553
327390	Other concrete product mfg	2 079	2 312	52 745	1 500 657	38 826	79 233	940 447	3 505 748	2 511 053	5 987 362	269 553
3274	Lime & gypsum product mfg . . .	230	357	18 856	691 349	14 990	34 125	508 612	2 816 807	2 709 641	5 533 623	213 098
32741	Lime mfg	46	84	5 313	194 786	4 067	9 017	144 758	614 959	548 714	1 168 450	59 097
327410	Lime mfg	46	84	5 313	194 786	4 067	9 017	144 758	614 959	548 714	1 168 450	59 097
32742	Gypsum product mfg	185	273	13 543	496 563	10 923	25 108	363 854	2 201 848	2 160 927	4 365 173	154 001
327420	Gypsum product mfg	185	273	13 543	496 563	10 923	25 108	363 854	2 201 848	2 160 927	4 365 173	154 001
3279	Other nonmetallic mineral product mfg	2 159	2 565	78 639	2 626 513	59 136	118 933	1 741 890	8 676 593	5 786 864	14 498 796	726 328
32791	Abrasive product mfg	319	360	22 571	782 054	15 894	31 023	424 991	2 918 902	1 714 596	4 660 043	155 961
327910	Abrasive product mfg	319	360	22 571	782 054	15 894	31 023	424 991	2 918 902	1 714 596	4 660 043	155 961
32799	All other nonmetallic mineral product mfg	1 849	2 205	56 068	1 844 459	43 242	87 910	1 316 899	5 757 691	4 072 268	9 838 753	570 367
327991	Cut stone & stone product mfg	1 004	1 019	13 109	350 549	10 284	20 832	254 798	790 761	451 203	1 244 735	52 771
327992	Ground or treated mineral & earth mfg	261	387	10 115	360 995	7 149	15 130	227 263	1 427 108	943 880	2 362 480	133 223
327993	Mineral wool mfg	201	298	21 610	811 380	17 791	36 164	624 686	2 601 843	1 803 109	4 422 507	282 825
327999	All other miscellaneous nonmetallic mineral product mfg	404	501	11 234	321 535	8 018	15 784	210 152	937 979	874 076	1 809 031	101 548
331	Primary metal mfg	4 076	5 059	605 085	23 811 233	479 552	1 024 675	17 354 552	68 749 487	99 343 265	168 117 728	6 515 752
3311	Iron & steel mills & ferroalloy mfg	209	296	149 875	7 604 810	117 490	258 552	5 751 639	25 432 010	33 174 527	58 383 159	2 673 741
33111	Iron & steel mills & ferroalloy mfg	209	296	149 875	7 604 810	117 490	258 552	5 751 639	25 432 010	33 174 527	58 383 159	2 673 741
331111	Iron & steel mills	191	273	146 215	7 450 380	114 865	252 629	5 649 360	24 868 550	32 324 688	56 994 468	2 604 676
331112	Electrometallurgical ferroalloy product mfg . . .	19	23	3 660	154 430	2 625	5 923	102 279	563 460	849 839	1 388 691	69 065
3312	Steel product mfg from purchased steel	503	685	64 200	2 306 920	49 895	105 540	1 620 447	6 762 383	11 817 088	18 516 877	533 536
33121	Iron & steel pipes & tubes mfg from purchased steel . .	166	230	26 864	956 735	21 004	44 364	658 737	2 784 745	4 698 884	7 450 132	216 395
331210	Iron & steel pipes & tubes mfg from purchased steel	166	230	26 864	956 735	21 004	44 364	658 737	2 784 745	4 698 884	7 450 132	216 395
33122	Rolling & drawing of purchased steel	346	455	37 336	1 350 185	28 891	61 176	961 710	3 977 638	7 118 204	11 066 745	317 141
331221	Cold-rolled steel shape mfg	153	185	14 106	630 082	10 234	21 284	433 053	2 030 226	4 227 476	6 239 017	139 343
331222	Steel wire drawing	199	270	23 230	720 103	18 657	39 892	528 657	1 947 412	2 890 728	4 827 728	177 798

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Table 1–1d. **Industry Statistics for Industry Groups and Industries: 1997—Con.**

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NAICS code	Industry	Com-panies ¹	All estab-lish-ments ²	All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments ³ (\$1,000)	Total capital expendi-tures (\$1,000)
				Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	Manufacturing—Con.											
331	Primary metal mfg—Con.											
3313	Alumina & aluminum production & processing	248	400	84 487	3 345 036	66 665	142 548	2 344 731	10 063 942	22 294 745	32 550 279	1 073 646
33131	Alumina & aluminum production & processing ...	248	400	84 487	3 345 036	66 665	142 548	2 344 731	10 063 942	22 294 745	32 550 279	1 073 646
331311	Alumina refining	5	6	3 035	150 696	2 278	5 060	102 416	329 432	816 488	1 219 057	96 963
331312	Primary aluminum production	13	21	15 763	707 402	12 624	26 074	512 941	2 432 972	3 706 850	6 224 610	320 294
331314	Secondary smelting & alloying of aluminum	87	109	6 614	226 469	5 036	10 930	149 770	796 535	2 799 262	3 595 436	86 449
331315	Aluminum sheet, plate, & foil mfg	41	69	24 709	1 175 506	19 015	41 140	818 202	3 546 870	10 076 298	13 708 307	331 444
331316	Aluminum extruded product mfg	105	160	30 357	944 829	24 556	52 804	661 814	2 476 351	3 742 324	6 177 701	208 984
331319	Other aluminum rolling & drawing	30	35	4 009	140 134	3 156	6 540	99 588	481 782	1 153 523	1 625 168	29 512
3314	Nonferrous metal (except aluminum) production & processing	698	868	81 162	3 048 301	60 466	130 927	2 050 452	9 598 600	19 838 235	29 616 370	917 401
33141	Nonferrous metal (except aluminum) smelting & refining	134	156	16 568	651 108	12 234	26 895	441 795	2 455 517	6 977 108	9 530 263	346 123
331411	Primary smelting & refining of copper	9	16	7 360	287 382	5 721	12 640	218 511	1 029 440	5 010 388	6 128 370	184 604
331419	Other nonferrous metal primary smelting & refining	127	140	9 208	363 726	6 513	14 255	223 284	1 426 077	1 966 720	3 401 893	161 519
33142	Copper rolling, drawing, extruding, & alloying	154	199	27 583	996 132	21 275	46 338	695 579	2 951 706	6 834 865	9 800 616	202 635
331421	Copper rolling, drawing, & extruding	91	128	21 012	780 787	16 504	36 325	564 338	2 303 999	5 306 797	7 619 953	144 446
331422	Copper wire (except mechanical) drawing	33	36	4 238	124 240	3 191	6 593	82 651	324 392	659 613	983 284	41 788
331423	Secondary smelting, refining, & alloying of copper	34	35	2 333	91 105	1 580	3 420	48 590	323 315	868 455	1 197 379	16 401
33149	Other nonferrous metal rolling, drawing, extruding, & alloying	440	513	37 011	1 401 061	26 957	57 694	913 078	4 191 377	6 026 262	10 285 491	368 643
331491	Other nonferrous metal rolling, drawing, & extruding	220	264	25 484	977 877	18 616	40 298	643 810	2 982 604	4 013 631	7 057 705	247 299
331492	Other nonferrous metal secondary smelting, refining, & alloying	233	249	11 527	423 184	8 341	17 396	269 268	1 208 773	2 012 631	3 227 786	121 344
3315	Foundries	2 521	2 810	225 361	7 506 166	185 036	387 108	5 587 283	16 892 552	12 218 670	29 051 043	1 317 428
33151	Ferrous metal foundries	986	1 138	131 574	4 630 562	108 523	229 689	3 520 853	10 449 320	7 018 088	17 428 045	709 540
331511	Iron foundries	602	693	85 429	3 211 357	70 950	153 103	2 476 238	7 043 449	5 144 588	12 187 267	508 271
331512	Steel investment foundries	145	159	22 673	669 452	18 385	36 870	494 655	1 656 130	715 264	2 341 737	76 396
331513	Steel foundries (except investment)	263	286	23 472	749 753	19 188	39 716	549 960	1 749 741	1 158 236	2 899 041	124 873
33152	Nonferrous metal foundries ..	1 559	1 672	93 787	2 875 604	76 513	157 419	2 066 430	6 443 232	5 200 582	11 622 998	607 888
331521	Aluminum die-casting foundries	291	318	27 516	899 544	22 771	47 159	675 908	1 967 631	1 874 589	3 843 845	222 846
331522	Nonferrous (except aluminum) die-casting foundries	267	279	16 840	488 196	13 421	26 711	337 972	1 128 064	868 735	1 998 772	83 714
331524	Aluminum foundries (except die-casting)	592	623	33 768	1 006 954	27 581	57 846	718 127	2 195 343	1 725 459	3 916 527	240 847
331525	Copper foundries (except die-casting)	301	311	8 868	258 151	7 388	14 997	191 431	511 783	339 705	846 578	24 949
331528	Other nonferrous foundries (except die-casting)	136	141	6 795	222 759	5 352	10 706	142 992	640 411	392 094	1 017 276	35 532
332	Fabricated metal product mfg	58 516	62 384	1 763 772	56 631 583	1 327 053	2 674 948	36 251 771	133 493 077	110 067 843	242 813 453	9 368 661
3321	Forging & stamping	3 026	3 262	158 944	5 461 638	121 141	254 289	3 565 677	12 458 562	12 039 551	24 375 589	1 071 291
33211	Forging & stamping	3 026	3 262	158 944	5 461 638	121 141	254 289	3 565 677	12 458 562	12 039 551	24 375 589	1 071 291
332111	Iron & steel forging	390	417	26 156	1 020 473	19 766	42 001	687 494	2 423 265	2 482 765	4 869 727	209 964
332112	Nonferrous forging	75	83	8 991	363 301	6 850	15 270	254 379	991 288	856 947	1 838 385	126 239
332114	Custom roll forming	360	404	15 852	522 950	11 370	23 765	314 799	1 343 729	1 992 247	3 301 907	58 607
332115	Crown & closure mfg	55	66	4 576	161 511	3 787	7 949	120 527	430 618	519 503	953 864	51 421
332116	Metal stamping	2 051	2 163	92 511	3 022 396	71 443	148 535	1 950 581	6 471 538	5 637 898	12 078 985	544 083
332117	Powder metallurgy part mfg	114	129	10 858	371 007	7 925	16 769	237 897	798 124	550 191	1 332 721	80 977
3322	Cutlery & handtool mfg	1 545	1 690	77 337	2 484 032	57 934	116 634	1 540 077	7 483 422	4 020 780	11 475 344	539 985
33221	Cutlery & handtool mfg	1 545	1 690	77 337	2 484 032	57 934	116 634	1 540 077	7 483 422	4 020 780	11 475 344	539 985
332211	Cutlery & flatware (except precious) mfg	163	171	10 301	331 471	8 091	15 550	219 765	1 565 685	487 348	2 013 256	208 248
332212	Hand & edge tool mfg	1 164	1 268	50 598	1 639 098	37 657	76 023	1 004 772	4 296 327	2 420 545	6 713 485	237 147
332213	Saw blade & handsaw mfg	166	175	9 127	300 001	6 596	13 759	179 674	878 749	554 627	1 447 890	67 086
332214	Kitchen utensil, pot, & pan mfg	69	76	7 311	213 462	5 590	11 302	135 866	742 661	558 251	1 300 713	27 504
3323	Architectural & structural metals mfg	11 649	12 437	381 573	11 447 903	278 403	563 624	6 983 127	26 495 235	27 299 174	53 547 213	1 267 964
33231	Plate work & fabricated structural product mfg	4 423	4 680	144 843	4 528 931	104 954	213 352	2 754 793	10 810 136	12 913 525	23 574 845	446 420
332311	Prefabricated metal building & component mfg	557	610	27 167	798 192	18 698	37 575	453 021	1 992 908	2 713 236	4 686 554	71 652
332312	Fabricated structural metal mfg	2 872	3 040	92 471	2 942 908	67 051	138 360	1 799 845	7 263 292	8 960 125	16 115 143	297 513
332313	Plate work mfg	1 011	1 030	25 205	787 831	19 205	37 417	501 927	1 553 936	1 240 164	2 773 148	77 255

See footnotes at end of table.

Table 1–1d. **Industry Statistics for Industry Groups and Industries: 1997—Con.**

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry	Com-panies ¹	All estab-lish-ments ²	All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments ³ (\$1,000)	Total capital expendi- tures (\$1,000)
				Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	Manufacturing—Con.											
332	Fabricated metal product mfg—Con.											
3323	Architectural & structural metals mfg—Con.											
33232	Ornamental & architectural metal products mfg	7 275	7 757	236 730	6 918 972	173 449	350 272	4 228 334	15 685 099	14 385 649	29 972 368	821 544
332321	Metal window & door mfg . .	1 249	1 410	74 063	1 941 363	53 359	110 089	1 146 743	4 775 082	5 452 511	10 209 522	189 269
332322	Sheet metal work mfg	4 202	4 457	127 791	3 991 922	95 091	190 440	2 481 680	8 660 105	7 000 352	15 584 570	533 363
332323	Ornamental & architectural metal work mfg	1 845	1 890	34 876	985 687	24 999	49 743	599 911	2 249 912	1 932 786	4 178 276	98 912
3324	Boiler, tank, & shipping container mfg	1 526	1 846	102 191	3 675 396	77 575	161 221	2 517 902	8 927 099	13 889 768	22 714 389	583 680
33241	Power boiler & heat exchanger mfg	436	473	27 576	947 859	19 629	41 076	579 159	2 073 515	1 820 863	3 867 379	99 835
332410	Power boiler & heat exchanger mfg	436	473	27 576	947 859	19 629	41 076	579 159	2 073 515	1 820 863	3 867 379	99 835
33242	Metal tank (heavy gauge) mfg	552	610	33 300	1 129 336	23 961	48 872	697 464	2 394 902	2 320 414	4 703 647	122 434
332420	Metal tank (heavy gauge) mfg	552	610	33 300	1 129 336	23 961	48 872	697 464	2 394 902	2 320 414	4 703 647	122 434
33243	Metal can, box, & other metal container (light gauge) mfg .	557	763	41 315	1 598 201	33 985	71 273	1 241 279	4 458 682	9 748 491	14 143 363	361 411
332431	Metal can mfg	107	271	26 747	1 167 821	22 613	48 349	960 601	3 497 960	8 495 802	11 930 448	302 869
332439	Other metal container mfg .	455	492	14 568	430 380	11 372	22 924	280 678	960 722	1 252 689	2 212 915	58 542
3325	Hardware mfg	906	1 011	75 437	2 327 164	58 122	116 400	1 516 675	6 162 972	4 937 806	11 061 736	383 483
33251	Hardware mfg	906	1 011	75 437	2 327 164	58 122	116 400	1 516 675	6 162 972	4 937 806	11 061 736	383 483
332510	Hardware mfg	906	1 011	75 437	2 327 164	58 122	116 400	1 516 675	6 162 972	4 937 806	11 061 736	383 483
3326	Spring & wire product mfg	1 646	1 828	70 193	1 906 503	54 573	107 575	1 246 096	4 540 614	4 011 204	8 533 707	341 324
33261	Spring & wire product mfg . . .	1 646	1 828	70 193	1 906 503	54 573	107 575	1 246 096	4 540 614	4 011 204	8 533 707	341 324
332611	Spring (heavy gauge) mfg . .	124	130	5 581	183 180	4 284	9 112	127 591	422 894	428 345	845 199	49 756
332612	Spring (light gauge) mfg . .	320	394	18 798	564 372	15 128	30 374	389 840	1 393 527	1 089 676	2 481 151	109 228
332618	Other fabricated wire product mfg	1 213	1 304	45 814	1 158 951	35 161	68 089	728 665	2 724 193	2 493 183	5 207 357	182 340
3327	Machine shops, turned product, & screw, nut, & bolt mfg	26 999	27 393	423 004	14 029 104	328 147	648 019	9 352 536	28 535 557	14 980 584	43 362 901	2 527 260
33271	Machine shops	23 430	23 607	289 437	9 446 782	224 717	426 909	6 306 733	18 330 482	8 610 590	26 850 065	1 552 641
332710	Machine shops	23 430	23 607	289 437	9 446 782	224 717	426 909	6 306 733	18 330 482	8 610 590	26 850 065	1 552 641
33272	Turned product & screw, nut, & bolt mfg	3 593	3 786	133 567	4 582 322	103 430	221 110	3 045 803	10 205 075	6 369 994	16 512 836	974 619
332721	Precision turned product mfg	2 696	2 745	80 225	2 629 738	63 556	136 140	1 809 381	5 493 232	2 846 618	8 304 805	578 189
332722	Bolt, nut, screw, rivet, & washer mfg	913	1 041	53 342	1 952 584	39 874	84 970	1 236 422	4 711 843	3 523 376	8 208 031	396 430
3328	Coating, engraving, heat treating, & allied activities	5 885	6 355	152 884	4 513 791	119 722	239 975	2 928 348	10 331 294	7 621 520	17 956 236	899 847
33281	Coating, engraving, heat treating, & allied activities . .	5 885	6 355	152 884	4 513 791	119 722	239 975	2 928 348	10 331 294	7 621 520	17 956 236	899 847
332811	Metal heat treating	662	800	22 299	789 233	17 171	35 106	519 823	2 020 611	1 438 026	3 442 317	292 270
332812	Metal coating/engraving (exc jewelry/silverware)/allied services	1 978	2 154	55 954	1 634 627	44 418	89 740	1 093 781	4 154 477	4 354 598	8 515 488	313 368
332813	Electroplating, plating, polishing, anodizing, & coloring	3 286	3 401	74 631	2 089 931	58 133	115 129	1 314 744	4 156 206	1 828 896	5 998 431	294 209
3329	Other fabricated metal product mfg	6 040	6 562	322 209	10 786 052	231 436	467 211	6 601 333	28 558 322	21 267 456	49 786 338	1 753 827
33291	Metal valve mfg	1 077	1 322	126 245	4 364 424	86 465	178 808	2 491 566	12 516 090	9 444 017	21 983 284	756 074
332911	Industrial valve mfg	429	540	54 294	1 947 182	35 367	72 721	1 050 155	5 115 344	3 781 002	8 965 193	317 610
332912	Fluid power valve & hose fitting mfg	360	424	37 280	1 327 456	25 734	53 998	750 942	3 934 823	2 657 535	6 594 554	244 431
332913	Plumbing fixture fitting & trim mfg	97	115	16 133	498 551	11 635	23 691	314 181	1 863 303	1 781 273	3 616 737	85 463
332919	Other metal valve & pipe fitting mfg	220	243	18 538	591 235	13 729	28 398	376 288	1 602 620	1 224 207	2 806 800	108 570
33299	All other fabricated metal product mfg	5 011	5 240	195 964	6 421 628	144 971	288 403	4 109 767	16 042 232	11 823 439	27 803 054	997 753
332991	Ball & roller bearing mfg . . .	116	184	36 547	1 368 804	29 827	63 026	1 033 718	3 742 916	2 363 496	6 093 840	309 041
332992	Small arms ammunition mfg	107	114	7 135	254 731	5 386	10 669	172 743	610 244	374 810	976 944	26 740
332993	Ammunition (except small arms) mfg	45	52	9 281	371 808	4 872	8 787	137 493	834 457	610 634	1 471 101	27 963
332994	Small arms mfg	189	196	9 841	319 663	7 451	13 966	200 190	860 866	369 988	1 248 048	32 620
332995	Other ordnance & accessories mfg	65	68	8 545	362 201	3 465	6 423	155 572	1 021 358	354 734	1 362 401	18 035
332996	Fabricated pipe & pipe fitting mfg	806	859	29 746	879 723	22 565	46 037	573 134	2 104 979	2 038 910	4 118 699	146 922
332997	Industrial pattern mfg	668	672	7 952	284 879	6 512	12 561	218 077	483 129	140 481	623 605	35 643
332998	Enameled iron & metal sanitary ware mfg	82	87	9 792	275 889	7 700	15 115	179 923	969 728	600 546	1 553 730	53 323
332999	All other miscellaneous fabricated metal product mfg	2 955	3 008	77 125	2 303 930	57 193	111 819	1 438 917	5 414 555	4 969 840	10 354 686	347 466

See footnotes at end of table.

Table 1–1d. **Industry Statistics for Industry Groups and Industries: 1997—Con.**

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NAICS code	Industry	Com-panies ¹	All estab-lish-ments ²	All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments ³ (\$1,000)	Total capital expendi-tures (\$1,000)
				Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	Manufacturing—Con.											
333	Machinery mfg.....	27 983	30 599	1 420 512	53 012 226	936 047	1 895 580	29 106 922	137 934 706	133 291 232	270 687 165	8 835 703
3331	Agriculture, construction, & mining machinery mfg.....	2 832	3 116	211 200	7 689 706	148 997	298 556	4 729 479	24 431 912	30 036 282	54 181 573	1 477 965
33311	Agricultural implement mfg ..	1 386	1 483	94 711	3 102 280	70 618	140 841	2 058 905	10 355 405	13 187 254	23 371 367	693 333
333111	Farm machinery & equipment mfg.....	1 264	1 339	66 370	2 370 599	47 885	95 652	1 550 603	7 624 789	8 468 947	15 995 219	508 933
333112	Lawn & garden tractor & home lawn & garden equipment mfg.....	127	144	28 341	731 681	22 733	45 189	508 302	2 730 616	4 718 307	7 376 148	184 400
33312	Construction machinery mfg ..	723	786	74 741	2 990 139	50 448	102 360	1 780 033	9 129 152	12 834 054	22 117 440	492 550
333120	Construction machinery mfg ..	723	786	74 741	2 990 139	50 448	102 360	1 780 033	9 129 152	12 834 054	22 117 440	492 550
33313	Mining & oil & gas field machinery mfg.....	748	847	41 748	1 597 287	27 931	55 355	890 541	4 947 355	4 014 974	8 692 766	292 082
333131	Mining machinery & equipment mfg.....	261	290	13 507	485 338	9 118	18 939	273 557	1 379 429	1 354 429	2 705 885	62 942
333132	Oil & gas field machinery & equipment mfg.....	494	557	28 241	1 111 949	18 813	36 416	616 984	3 567 926	2 660 545	5 986 881	229 140
3332	Industrial machinery mfg	4 439	4 701	194 210	7 616 113	110 122	221 832	3 433 183	19 456 056	17 481 244	36 658 714	1 439 653
33321	Sawmill & woodworking machinery mfg.....	312	325	8 973	297 430	5 707	11 527	156 984	681 679	611 849	1 296 200	18 078
333210	Sawmill & woodworking machinery mfg.....	312	325	8 973	297 430	5 707	11 527	156 984	681 679	611 849	1 296 200	18 078
33322	Plastics & rubber industry machinery mfg.....	427	453	18 530	741 819	10 427	21 042	349 773	1 950 024	1 652 432	3 570 320	92 781
333220	Plastics & rubber industry machinery mfg.....	427	453	18 530	741 819	10 427	21 042	349 773	1 950 024	1 652 432	3 570 320	92 781
33329	Other industrial machinery mfg	3 713	3 923	166 707	6 576 864	93 988	189 263	2 926 426	16 824 353	15 216 963	31 792 194	1 328 794
333291	Paper industry machinery mfg	330	363	18 313	761 458	10 127	20 723	365 303	1 622 283	1 817 466	3 386 920	92 590
333292	Textile machinery mfg	454	476	13 511	445 381	8 496	16 880	234 110	1 026 304	742 909	1 766 419	55 108
333293	Printing machinery & equipment mfg.....	504	553	22 390	924 863	11 706	24 298	412 907	2 030 816	1 768 141	3 786 716	104 415
333294	Food product machinery mfg	573	593	18 898	711 852	11 436	22 511	353 259	1 581 509	1 290 673	2 857 928	79 890
333295	Semiconductor machinery mfg	244	258	40 104	1 702 788	20 918	42 170	611 134	6 010 313	5 358 601	11 162 764	683 608
333298	All other industrial machinery mfg.....	1 634	1 680	53 491	2 030 522	31 305	62 681	949 713	4 553 128	4 239 173	8 831 447	313 183
3333	Commercial & service industry machinery mfg.....	2 492	2 630	129 691	4 698 826	76 013	147 775	2 064 248	14 215 075	11 730 134	26 009 857	852 640
33331	Commercial & service industry machinery mfg	2 492	2 630	129 691	4 698 826	76 013	147 775	2 064 248	14 215 075	11 730 134	26 009 857	852 640
333311	Automatic vending machine mfg	117	122	8 220	216 397	6 047	12 310	123 726	604 438	718 270	1 327 998	31 938
333312	Commercial laundry, drycleaning, & pressing machine mfg	63	68	4 523	136 783	3 328	6 864	84 584	270 351	334 781	604 939	4 212
333313	Office machinery mfg	158	168	14 586	452 165	6 913	13 513	160 785	1 807 173	1 341 894	3 162 823	113 565
333314	Optical instrument & lens mfg	482	498	20 351	812 428	12 093	23 790	354 212	1 979 483	1 185 260	3 139 837	172 152
333315	Photographic & photocopying equipment mfg	412	421	24 143	1 074 710	14 397	26 024	482 750	4 478 703	3 774 865	8 290 986	281 641
333319	Other commercial & service industry machinery mfg	1 274	1 353	57 868	2 006 343	33 235	65 274	858 191	5 074 927	4 375 064	9 483 274	249 132
3334	Ventilation, heating, AC, & commercial refrigeration equip mfg	1 563	1 841	174 136	5 344 894	128 068	258 208	3 212 188	14 637 803	15 989 951	30 791 331	780 414
33341	Ventilation, heating, AC, & commercial refrigeration equip mfg	1 563	1 841	174 136	5 344 894	128 068	258 208	3 212 188	14 637 803	15 989 951	30 791 331	780 414
333411	Air purification equipment mfg	333	372	16 447	479 162	11 628	23 179	263 390	1 199 939	1 006 932	2 218 051	70 118
333412	Industrial & commercial fan & blower mfg	173	203	13 706	431 622	9 384	19 317	245 078	1 003 573	893 815	1 899 077	54 985
333414	Heating equipment (except warm air furnaces) mfg ..	441	468	24 597	755 114	16 088	31 910	375 893	2 068 353	1 650 129	3 707 615	89 555
333415	AC & warm air heating & commercial/industrial refrig equip mfg	646	798	119 386	3 678 996	90 968	183 802	2 327 827	10 365 938	12 439 075	22 966 588	565 756
3335	Metalworking machinery mfg ..	10 000	10 380	242 963	9 827 519	174 485	364 407	6 260 795	19 331 066	11 304 821	30 417 553	1 464 396
33351	Metalworking machinery mfg	10 000	10 380	242 963	9 827 519	174 485	364 407	6 260 795	19 331 066	11 304 821	30 417 553	1 464 396
333511	Industrial mold mfg	2 475	2 520	48 113	2 067 403	37 989	81 290	1 471 899	3 685 924	1 411 514	5 087 422	357 109
333512	Machine tool (metal cutting types) mfg	368	401	29 577	1 274 460	17 051	35 366	629 388	2 666 276	2 813 536	5 331 245	142 228
333513	Machine tool (metal forming types) mfg	219	224	14 141	596 804	9 092	18 745	344 827	1 285 781	958 357	2 247 954	92 014
333514	Special die & tool, die set, jig, & fixture mfg	4 667	4 744	79 994	3 226 074	62 075	128 703	2 259 920	5 938 346	2 381 528	8 237 755	500 675
333515	Cutting tool & machine tool accessory mfg	1 820	1 919	48 017	1 644 426	34 725	70 639	1 041 204	3 614 484	1 806 004	5 379 842	275 851
333516	Rolling mill machinery & equipment mfg	98	100	4 149	167 312	2 210	4 720	75 166	363 586	323 460	700 084	17 278
333518	Other metalworking machinery mfg.....	446	472	18 972	851 040	11 343	24 944	438 391	1 776 669	1 610 422	3 433 251	79 241

See footnotes at end of table.

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				Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	Manufacturing—Con.											
333	Machinery mfg—Con.											
3336	Engine, turbine, & power transmission equipment mfg ..	789	952	113 802	4 638 042	78 655	158 459	2 815 596	14 530 618	15 730 238	30 508 866	1 056 406
33361	Engine, turbine, & power transmission equipment mfg	789	952	113 802	4 638 042	78 655	158 459	2 815 596	14 530 618	15 730 238	30 508 866	1 056 406
333611	Turbine & turbine generator set unit mfg ...	68	86	19 529	910 316	11 099	23 488	476 082	2 841 914	2 865 746	5 854 113	177 434
333612	Speed changer, industrial high-speed drive, & gear mfg	237	268	16 182	594 251	11 231	22 744	361 273	1 461 859	935 938	2 391 269	116 178
333613	Mechanical power transmission equipment mfg	259	297	21 271	759 037	14 971	30 206	465 440	1 886 164	1 389 199	3 252 399	132 116
333618	Other engine equipment mfg	245	301	56 820	2 374 438	41 354	82 021	1 512 801	8 340 681	10 539 355	19 011 085	630 678
3339	Other general-purpose machinery mfg	6 347	6 979	354 510	13 197 126	219 707	446 343	6 591 433	31 332 176	31 018 562	62 119 271	1 764 229
33391	Pump & compressor mfg	723	869	67 263	2 571 850	39 547	80 512	1 234 907	6 640 563	7 120 168	13 683 351	389 341
333911	Pump & pumping equipment mfg	406	487	36 020	1 402 147	20 774	42 945	663 726	3 403 918	3 345 583	6 735 133	187 479
333912	Air & gas compressor mfg ..	269	313	24 582	925 655	14 532	29 740	452 547	2 646 794	3 072 383	5 651 176	169 494
333913	Measuring & dispensing pump mfg	63	69	6 661	244 048	4 241	7 827	118 634	589 851	702 202	1 297 042	32 368
33392	Material handling equipment mfg	1 741	1 859	92 600	3 330 707	59 856	123 674	1 734 759	7 238 952	9 493 479	16 646 105	415 238
333921	Elevator & moving stairway mfg	178	196	9 442	340 525	6 253	13 148	194 226	748 229	865 092	1 607 066	40 247
333922	Conveyor & conveying equipment mfg	864	897	39 421	1 531 932	23 261	49 446	701 113	3 069 183	3 304 898	6 364 898	149 846
333923	Overhead traveling crane, hoist, & monorail system mfg	283	305	17 784	564 482	11 795	22 780	316 898	1 451 136	1 711 464	3 135 815	85 247
333924	Industrial truck, tractor, trailer, & stacker machinery mfg	435	461	25 953	893 768	18 547	38 300	522 522	1 970 404	3 612 025	5 538 326	139 898
33399	All other general-purpose machinery mfg	3 938	4 251	194 647	7 294 569	120 304	242 157	3 621 767	17 452 661	14 404 915	31 789 815	959 650
333991	Power-driven handtool mfg	198	217	16 816	531 378	12 328	24 190	315 696	1 983 354	1 660 930	3 609 779	129 232
333992	Welding & soldering equipment mfg	218	250	22 505	918 180	14 640	29 279	485 833	2 027 004	2 453 362	4 444 978	122 871
333993	Packaging machinery mfg ..	644	687	32 109	1 278 345	17 280	34 867	552 062	2 706 010	2 116 512	4 900 477	122 256
333994	Industrial process furnace & oven mfg	378	404	17 575	657 327	10 313	23 295	288 549	1 514 761	1 365 736	2 869 912	65 381
333995	Fluid power cylinder & actuator mfg	282	320	23 030	898 428	15 109	31 597	525 990	2 155 657	1 398 733	3 542 331	111 723
333996	Fluid power pump & motor mfg	149	168	15 963	620 397	11 065	22 551	359 816	1 526 099	1 283 790	2 811 223	112 115
333997	Scale & balance (except laboratory) mfg	110	121	4 856	148 487	2 658	4 752	61 487	329 428	345 957	682 181	10 804
333999	All other miscellaneous general-purpose machinery mfg	2 005	2 084	61 793	2 242 027	36 911	71 626	1 032 334	5 210 348	3 779 895	8 928 934	285 268
334	Computer & electronic product mfg	15 492	17 435	1 691 146	72 483 848	877 002	1 746 314	26 117 539	252 629 768	187 875 131	439 381 300	24 768 490
3341	Computer & peripheral equipment mfg	1 870	1 972	240 307	10 899 245	99 974	200 934	3 181 898	44 111 746	66 057 526	110 054 987	3 455 102
33411	Computer & peripheral equipment mfg	1 870	1 972	240 307	10 899 245	99 974	200 934	3 181 898	44 111 746	66 057 526	110 054 987	3 455 102
334111	Electronic computer mfg ..	531	557	99 427	4 239 347	35 905	66 135	946 812	25 908 268	40 223 412	66 301 810	1 065 684
334112	Computer storage device mfg	203	212	42 012	1 910 310	20 428	42 986	622 177	7 386 606	8 036 209	15 354 924	1 386 644
334113	Computer terminal mfg ...	141	142	5 764	253 086	2 843	5 862	89 526	531 875	941 879	1 486 965	34 716
334119	Other computer peripheral equipment mfg	1 015	1 061	93 104	4 496 502	40 798	85 951	1 523 383	10 284 997	16 856 026	26 911 288	968 058
3342	Communications equipment mfg	2 078	2 308	294 865	13 826 630	135 313	261 498	4 524 867	48 040 124	35 767 800	82 852 421	3 210 281
33421	Telephone apparatus mfg ...	548	596	103 874	5 377 394	41 969	78 587	1 552 391	23 766 132	14 846 321	38 375 534	1 220 355
334210	Telephone apparatus mfg ..	548	596	103 874	5 377 394	41 969	78 587	1 552 391	23 766 132	14 846 321	38 375 534	1 220 355
33422	Radio & TV broadcasting & wireless communications equipment mfg	1 096	1 219	166 801	7 572 853	81 758	160 572	2 712 736	21 773 109	19 322 745	40 373 077	1 841 106
334220	Radio & TV broadcasting & wireless communications equipment mfg	1 096	1 219	166 801	7 572 853	81 758	160 572	2 712 736	21 773 109	19 322 745	40 373 077	1 841 106
33429	Other communications equipment mfg	461	493	24 190	876 383	11 586	22 339	259 740	2 500 883	1 598 734	4 103 810	148 820
334290	Other communications equipment mfg	461	493	24 190	876 383	11 586	22 339	259 740	2 500 883	1 598 734	4 103 810	148 820
3343	Audio & video equipment mfg ..	521	551	30 306	918 069	20 684	40 461	463 377	2 372 815	5 825 578	8 226 685	207 897
33431	Audio & video equipment mfg	521	551	30 306	918 069	20 684	40 461	463 377	2 372 815	5 825 578	8 226 685	207 897
334310	Audio & video equipment mfg	521	551	30 306	918 069	20 684	40 461	463 377	2 372 815	5 825 578	8 226 685	207 897

See footnotes at end of table.

Table 1–1d. **Industry Statistics for Industry Groups and Industries: 1997—Con.**

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry	Com-panies ¹	All estab-lish-ments ²	All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments ³ (\$1,000)	Total capital expendi-tures (\$1,000)
				Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	Manufacturing—Con.											
334	Computer & electronic product mfg—Con.											
3344	Semiconductor & other electronic component mfg	5 652	6 271	587 313	22 142 761	373 814	748 573	9 740 797	94 354 658	45 183 238	139 083 873	14 033 279
33441	Semiconductor & other electronic component mfg ..	5 652	6 271	587 313	22 142 761	373 814	748 573	9 740 797	94 354 658	45 183 238	139 083 873	14 033 279
334411	Electron tube mfg	147	157	21 656	726 712	16 774	34 208	488 835	1 568 417	2 273 565	3 789 948	159 621
334412	Bare printed circuit board mfg	1 319	1 391	72 282	2 110 176	56 173	113 963	1 345 948	5 062 300	3 486 866	8 507 125	609 125
334413	Semiconductor & related device mfg	993	1 097	199 037	10 101 783	106 484	216 061	3 531 168	64 135 313	15 055 008	78 479 496	11 531 803
334414	Electronic capacitor mfg ...	112	130	19 317	539 446	13 611	26 326	291 291	1 444 666	1 158 130	2 560 984	127 856
334415	Electronic resistor mfg	90	116	11 624	305 365	8 461	16 207	174 409	801 153	422 703	1 240 008	55 435
334416	Electronic coil, transformer, & other inductor mfg	426	448	18 999	450 514	14 784	29 613	261 187	936 268	589 896	1 524 064	36 859
334417	Electronic connector mfg ..	281	344	37 589	1 171 568	27 772	56 160	717 464	3 788 056	1 766 881	5 550 540	233 327
334418	Printed circuit assembly (electronic assembly) mfg	673	729	115 076	4 007 610	68 441	137 697	1 600 815	10 592 734	16 116 426	27 103 573	862 227
334419	Other electronic component mfg	1 781	1 859	91 733	2 729 587	61 314	118 338	1 329 680	6 025 751	4 313 763	10 328 135	417 026
3345	Navigational, measuring, medical, & control instruments mfg	4 845	5 425	484 438	22 843 455	209 238	415 620	7 092 891	58 284 906	30 799 004	89 465 709	3 005 990
33451	Navigational, measuring, medical, & control instruments mfg	4 845	5 425	484 438	22 843 455	209 238	415 620	7 092 891	58 284 906	30 799 004	89 465 709	3 005 990
334510	Electromedical & electrotherapeutic apparatus mfg	490	547	55 044	2 635 085	24 724	50 363	741 374	7 619 290	3 995 354	11 581 624	432 245
334511	Search, detection, navigation, & guidance instrument mfg	579	689	188 325	9 977 629	65 102	126 006	2 627 879	23 155 326	9 051 326	32 661 495	1 021 048
334512	Automatic environmental control mfg	297	318	21 470	666 464	14 922	29 904	371 348	1 737 147	1 195 244	2 943 971	114 952
334513	Industrial process control instrument mfg	919	995	48 237	1 958 046	21 312	41 233	618 958	4 914 894	2 728 231	7 662 564	208 434
334514	Totalizing fluid meter & counting device mfg	210	221	17 155	666 032	11 853	23 367	404 421	1 996 360	1 712 162	3 716 095	116 807
334515	Electricity measuring & testing instrument mfg ...	762	827	63 891	3 045 208	29 626	60 904	1 033 172	8 991 807	5 140 771	14 025 050	667 632
334516	Analytical laboratory instrument mfg	637	677	36 820	1 728 708	13 660	27 460	495 787	4 111 184	2 752 613	6 899 852	207 449
334517	Irradiation apparatus mfg ..	134	153	13 547	642 088	5 657	12 299	187 134	2 075 258	1 884 903	3 970 454	75 942
334518	Watch, clock, & part mfg ..	145	146	6 333	178 487	4 482	9 229	93 587	550 979	380 479	921 827	26 215
334519	Other measuring & controlling device mfg	826	852	33 616	1 345 708	17 900	34 855	519 231	3 132 661	1 957 921	5 082 777	135 266
3346	Mfg & reproducing magnetic & optical media	843	908	53 917	1 853 688	37 979	79 228	1 113 709	5 465 519	4 241 985	9 697 625	855 941
33461	Mfg & reproducing magnetic & optical media	843	908	53 917	1 853 688	37 979	79 228	1 113 709	5 465 519	4 241 985	9 697 625	855 941
334611	Software reproducing	112	123	7 868	302 863	4 212	9 721	192 472	786 164	421 955	1 209 207	133 552
334612	Prerecorded CD (except software), tape, & record reproducing	492	528	25 180	747 551	19 430	40 123	512 482	2 379 126	1 411 504	3 809 652	282 507
334613	Magnetic & optical recording media mfg	241	257	20 869	803 274	14 337	29 384	408 755	2 300 229	2 408 526	4 678 766	439 882
335	Electrical equipment, appliance, & component mfg	5 839	6 930	593 802	18 972 741	432 273	860 344	11 368 753	57 215 610	54 987 295	112 116 267	3 598 750
3351	Electric lighting equipment mfg.	1 211	1 328	74 987	2 204 508	55 744	112 190	1 360 134	7 038 950	5 692 530	12 710 091	406 549
33511	Electric lamp bulb & part mfg	54	82	15 903	574 696	13 478	28 532	471 301	2 119 597	1 185 867	3 306 009	173 922
335110	Electric lamp bulb & part mfg	54	82	15 903	574 696	13 478	28 532	471 301	2 119 597	1 185 867	3 306 009	173 922
33512	Lighting fixture mfg	1 160	1 246	59 084	1 629 812	42 266	83 658	888 833	4 919 353	4 506 663	9 404 082	232 627
335121	Residential electric lighting fixture mfg	543	558	17 681	430 595	13 194	26 142	234 477	1 166 774	1 087 396	2 255 251	59 419
335122	Commercial/industrial/institutional electric lighting fixture mfg	326	357	23 098	657 592	16 409	33 063	364 950	2 070 729	2 043 965	4 101 442	96 057
335129	Other lighting equipment mfg	310	331	18 305	541 625	12 663	24 453	289 406	1 681 850	1 375 302	3 047 389	77 151
3352	Household appliance mfg	265	333	97 232	2 916 830	79 808	155 504	2 122 738	10 082 604	11 292 048	21 394 445	501 700
33521	Small electrical appliance mfg	144	171	27 505	748 041	20 111	37 601	434 845	2 869 205	3 026 039	5 907 367	171 302
335211	Electric housewares & household fan mfg	119	138	17 058	411 389	12 948	24 212	251 100	1 666 523	1 860 256	3 532 813	85 862
335212	Household vacuum cleaner mfg	25	33	10 447	336 652	7 163	13 389	183 745	1 202 682	1 165 783	2 374 554	85 440
33522	Major appliance mfg	126	162	69 727	2 168 789	59 697	117 903	1 687 893	7 213 399	8 266 009	15 487 078	330 398
335221	Household cooking appliance mfg	77	83	17 481	477 587	14 378	29 881	331 137	1 704 606	1 794 638	3 520 635	135 343
335222	Household refrigerator & home freezer mfg	21	27	24 597	801 717	21 513	41 152	648 064	1 941 186	2 943 884	4 887 364	92 679
335224	Household laundry equipment mfg	10	17	14 801	480 076	12 925	25 055	393 537	1 792 070	2 081 226	3 847 002	37 355
335228	Other major household appliance mfg	32	35	12 848	409 409	10 881	21 815	315 155	1 775 537	1 446 261	3 232 077	65 021

See footnotes at end of table.

Table 1–1d. **Industry Statistics for Industry Groups and Industries: 1997—Con.**

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry	Com-panies ¹	All estab-lish-ments ²	All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments ³ (\$1,000)	Total capital expendi-tures (\$1,000)
				Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	Manufacturing—Con.											
335	Electrical equipment, appliance, & component mfg—Con.											
3353	Electrical equipment mfg	2 517	2 930	209 311	6 845 920	144 608	285 279	3 776 159	19 241 142	16 989 463	36 233 634	988 597
33531	Electrical equipment mfg	2 517	2 930	209 311	6 845 920	144 608	285 279	3 776 159	19 241 142	16 989 463	36 233 634	988 597
335311	Power, distribution, & specialty transformer mfg	275	318	26 897	825 550	20 158	41 367	518 189	2 566 056	2 189 069	4 743 781	131 848
335312	Motor & generator mfg	559	718	74 171	2 172 250	57 853	115 681	1 456 910	6 123 289	6 027 446	12 174 434	322 255
335313	Switchgear & switchboard apparatus mfg	496	576	40 358	1 430 985	28 119	57 651	836 400	4 322 599	3 166 941	7 488 911	195 408
335314	Relay & industrial control mfg	1 241	1 318	67 885	2 417 135	38 478	70 580	964 660	6 229 198	5 606 007	11 826 508	339 086
3359	Other electrical equipment & component mfg	1 939	2 339	212 272	7 005 483	152 113	307 371	4 109 722	20 852 914	21 013 254	41 778 097	1 701 904
33591	Battery mfg	127	184	32 507	1 087 746	25 768	50 950	782 452	3 560 826	3 264 177	6 823 196	301 863
335911	Storage battery mfg	96	138	23 318	790 839	18 719	37 507	587 577	2 169 833	2 245 395	4 435 329	171 670
335912	Primary battery mfg	35	46	9 189	296 907	7 049	13 443	194 875	1 390 993	1 018 782	2 387 867	130 193
33592	Communication & energy wire & cable mfg	219	315	54 987	1 896 479	39 687	83 966	1 149 540	6 229 721	9 063 209	15 245 693	608 850
335921	Fiber optic cable mfg	36	40	8 630	366 045	6 233	12 341	217 617	1 373 769	1 453 212	2 772 428	192 201
335929	Other communication & energy wire mfg	193	275	46 357	1 530 434	33 454	71 625	931 923	4 855 952	7 609 997	12 473 265	416 649
33593	Wiring device mfg	604	738	68 447	2 080 658	50 100	99 717	1 241 203	6 008 044	4 313 753	10 328 708	380 729
335931	Current-carrying wiring device mfg	446	519	44 907	1 293 583	32 867	63 417	754 029	3 553 666	2 326 114	5 877 522	219 293
335932	Noncurrent-carrying wiring device mfg	168	219	23 540	787 075	17 233	36 300	487 174	2 454 378	1 987 639	4 451 186	161 436
33599	All other electrical equipment & component mfg	1 026	1 102	56 331	1 940 600	36 558	72 738	936 527	5 054 323	4 372 115	9 380 500	410 462
335991	Carbon & graphite product mfg	99	124	10 691	397 781	7 980	17 533	261 158	1 267 908	1 096 041	2 340 732	179 043
335999	All other miscellaneous electrical equipment & component mfg	928	978	45 640	1 542 819	28 578	55 205	675 369	3 786 415	3 276 074	7 039 768	231 419
336	Transportation equipment mfg ...	10 979	12 887	1 842 315	79 616 518	1 340 735	2 734 790	51 450 169	227 510 551	348 121 929	575 306 996	19 251 148
3361	Motor vehicle mfg	325	388	236 247	13 022 700	207 368	423 564	10 905 978	72 574 976	147 707 890	220 052 857	5 406 609
33611	Automobile & light duty motor vehicle mfg	253	304	207 838	11 804 330	184 298	377 637	9 966 886	68 314 274	137 408 998	205 543 825	5 276 317
336111	Automobile mfg	173	193	113 820	6 404 445	97 859	197 349	5 190 889	28 937 270	66 543 755	95 365 667	3 506 831
336112	Light truck & utility vehicle mfg	84	111	94 018	5 399 885	86 439	180 288	4 775 997	39 377 004	70 865 243	110 178 158	1 769 486
33612	Heavy duty truck mfg	75	84	28 409	1 218 370	23 070	45 927	939 092	4 260 702	10 298 892	14 509 032	130 292
336120	Heavy duty truck mfg	75	84	28 409	1 218 370	23 070	45 927	939 092	4 260 702	10 298 892	14 509 032	130 292
3362	Motor vehicle body & trailer mfg	1 922	2 103	125 015	3 386 084	100 081	197 511	2 322 488	7 693 717	15 335 443	23 007 668	441 084
33621	Motor vehicle body & trailer mfg	1 922	2 103	125 015	3 386 084	100 081	197 511	2 322 488	7 693 717	15 335 443	23 007 668	441 084
336211	Motor vehicle body mfg ...	747	808	42 773	1 225 282	32 582	65 628	834 399	2 995 537	6 008 290	9 008 512	228 212
336212	Truck trailer mfg	355	389	30 648	835 977	25 633	50 446	577 684	1 788 126	3 766 432	5 504 115	89 524
336213	Motor home mfg	75	87	17 801	499 374	14 484	29 409	351 814	1 178 051	2 689 793	3 894 350	50 170
336214	Travel trailer & camper mfg	761	819	33 793	825 451	27 382	52 028	558 591	1 732 003	2 870 928	4 600 691	73 178
3363	Motor vehicle parts mfg	4 767	5 827	779 913	30 960 765	629 873	1 305 668	23 163 024	73 797 867	104 504 958	178 511 569	9 489 436
33631	Motor vehicle gasoline engine & engine parts mfg ..	924	1 019	97 823	4 184 639	79 694	166 573	3 192 555	9 597 585	18 860 266	28 518 227	1 962 556
336311	Carburetor, piston, piston ring, & valve mfg	122	141	17 241	663 961	14 285	29 836	504 719	1 587 949	1 138 820	2 731 573	180 295
336312	Gasoline engine & engine parts mfg	810	878	80 582	3 520 678	65 409	136 737	2 687 836	8 009 636	17 721 446	25 786 654	1 782 261
33632	Motor vehicle electrical & electronic equipment mfg ..	981	1 058	114 196	3 981 222	87 803	169 589	2 707 223	9 574 476	11 940 488	21 633 391	909 229
336321	Vehicular lighting equipment mfg	99	107	16 624	631 881	12 990	26 628	445 699	1 612 341	1 714 351	3 336 152	169 380
336322	Other motor vehicle electrical & electronic equipment mfg	890	951	97 572	3 349 341	74 813	142 961	2 261 524	7 962 135	10 226 137	18 297 239	739 849
33633	Motor vehicle steering & suspension component (except spring) mfg	183	211	48 676	2 341 273	40 079	86 039	1 819 005	5 234 835	5 424 087	10 632 673	551 299
336330	Motor vehicle steering & suspension component (except spring) mfg	183	211	48 676	2 341 273	40 079	86 039	1 819 005	5 234 835	5 424 087	10 632 673	551 299
33634	Motor vehicle brake system mfg	203	271	43 146	1 503 210	34 319	71 184	1 077 541	4 046 472	6 952 820	10 981 044	484 338
336340	Motor vehicle brake system mfg	203	271	43 146	1 503 210	34 319	71 184	1 077 541	4 046 472	6 952 820	10 981 044	484 338
33635	Motor vehicle transmission & power train parts mfg	427	522	100 605	4 982 175	82 810	184 487	3 965 743	11 916 802	18 166 804	30 105 923	1 876 751
336350	Motor vehicle transmission & power train parts mfg ..	427	522	100 605	4 982 175	82 810	184 487	3 965 743	11 916 802	18 166 804	30 105 923	1 876 751
33636	Motor vehicle seating & interior trim mfg	280	363	47 885	1 532 785	38 220	78 425	1 100 800	4 272 286	7 612 024	11 869 070	310 711
336360	Motor vehicle seating & interior trim mfg	280	363	47 885	1 532 785	38 220	78 425	1 100 800	4 272 286	7 612 024	11 869 070	310 711
33637	Motor vehicle metal stamping	662	808	126 668	5 642 120	105 248	226 337	4 418 773	10 915 335	12 677 687	23 633 912	1 515 648
336370	Motor vehicle metal stamping	662	808	126 668	5 642 120	105 248	226 337	4 418 773	10 915 335	12 677 687	23 633 912	1 515 648

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				Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	Manufacturing—Con.											
336	Transportation equipment mfg—Con.											
3363	Motor vehicle parts mfg—Con.											
33639	Other motor vehicle parts mfg	1 321	1 575	200 914	6 793 341	161 700	323 034	4 881 384	18 240 076	22 870 782	41 137 329	1 878 904
336391	Motor vehicle air-conditioning mfg	58	60	21 522	1 053 943	17 504	38 953	821 334	2 701 288	2 875 912	5 626 596	188 566
336399	All other motor vehicle parts mfg	1 271	1 515	179 392	5 739 398	144 196	284 081	4 060 050	15 538 788	19 994 870	35 510 733	1 690 338
3364	Aerospace product & parts mfg	1 530	1 808	487 114	25 159 567	250 448	502 557	10 784 018	57 688 592	62 819 021	120 438 212	3 132 055
33641	Aerospace product & parts mfg	1 530	1 808	487 114	25 159 567	250 448	502 557	10 784 018	57 688 592	62 819 021	120 438 212	3 132 055
336411	Aircraft mfg	172	202	202 491	10 839 372	97 742	185 616	4 426 847	20 767 608	36 653 368	57 893 242	774 858
336412	Aircraft engine & engine parts mfg	281	372	84 373	4 298 767	49 122	100 963	1 971 070	11 679 669	11 437 209	22 859 270	679 800
336413	Other aircraft part & auxiliary equipment mfg ..	1 049	1 136	124 677	5 574 824	72 830	155 482	3 019 543	13 110 835	7 130 109	19 373 554	925 054
336414	Guided missile & space vehicle mfg	15	21	51 398	3 123 246	18 500	35 996	815 692	9 492 504	6 141 862	16 247 363	634 227
336415	Guided missile & space vehicle propulsion unit & parts mfg	19	27	17 738	1 031 920	7 903	15 557	363 756	2 062 154	1 061 215	3 101 378	89 321
336419	Other guided missile & space vehicle parts & auxiliary equip mfg	48	50	6 437	291 438	4 351	8 943	187 110	575 822	395 258	963 405	28 795
3365	Railroad rolling stock mfg	173	232	34 012	1 319 135	23 977	53 391	796 472	3 345 283	5 097 254	8 263 395	197 174
33651	Railroad rolling stock mfg ..	173	232	34 012	1 319 135	23 977	53 391	796 472	3 345 283	5 097 254	8 263 395	197 174
336510	Railroad rolling stock mfg ..	173	232	34 012	1 319 135	23 977	53 391	796 472	3 345 283	5 097 254	8 263 395	197 174
3366	Ship & boat building	1 630	1 737	138 237	4 382 998	100 012	198 183	2 713 663	8 602 771	7 576 924	16 150 259	365 644
33661	Ship & boat building	1 630	1 737	138 237	4 382 998	100 012	198 183	2 713 663	8 602 771	7 576 924	16 150 259	365 644
336611	Ship building & repairing ..	649	697	97 065	3 353 414	66 964	133 665	2 019 168	6 202 797	4 340 164	10 542 961	243 713
336612	Boat building	984	1 040	41 172	1 029 584	33 048	64 518	694 495	2 399 974	3 236 760	5 607 298	121 931
3369	Other transportation equipment mfg	758	792	41 777	1 385 269	28 976	53 916	764 526	3 807 345	5 080 439	8 883 036	219 146
33699	Other transportation equipment mfg	758	792	41 777	1 385 269	28 976	53 916	764 526	3 807 345	5 080 439	8 883 036	219 146
336991	Motorcycle, bicycle, & parts mfg	373	388	17 151	622 286	12 782	24 384	367 140	1 605 782	1 802 377	3 382 689	104 621
336992	Military armored vehicle, tank, & tank component mfg	37	42	5 773	267 525	2 696	5 455	113 732	543 119	475 163	1 063 668	17 298
336999	All other transportation equipment mfg	349	362	18 853	495 458	13 498	24 077	283 654	1 658 444	2 802 899	4 436 679	97 227
337	Furniture & related product mfg ..	19 838	20 738	603 668	14 986 222	484 600	936 574	10 217 032	34 839 134	29 462 249	64 299 098	1 744 608
3371	Household & institutional furniture & kitchen cabinet mfg	14 732	15 259	388 438	8 767 969	322 677	613 756	6 358 136	19 152 783	17 280 609	36 418 307	865 458
33711	Wood kitchen cabinet & counter top mfg	7 872	7 960	99 266	2 320 124	79 704	151 337	1 643 229	5 155 365	3 874 217	9 029 834	248 242
337110	Wood kitchen cabinet & counter top mfg	7 872	7 960	99 266	2 320 124	79 704	151 337	1 643 229	5 155 365	3 874 217	9 029 834	248 242
33712	Household & institutional furniture mfg	6 867	7 299	289 172	6 447 845	242 973	462 419	4 714 907	13 997 418	13 406 392	27 388 473	617 216
337121	Upholstered household furniture mfg	1 566	1 705	89 215	2 001 160	76 693	142 670	1 518 080	3 978 674	4 277 651	8 232 635	104 829
337122	Nonupholstered wood household furniture mfg ..	3 677	3 847	127 703	2 674 409	110 671	213 299	2 061 506	5 905 184	5 401 214	11 318 807	296 600
337124	Metal household furniture mfg	389	421	22 827	505 291	18 317	35 805	341 075	1 235 159	1 178 039	2 417 293	77 750
337125	Household furniture (except wood & metal) mfg	211	215	4 619	110 506	3 654	7 323	78 157	271 862	279 543	547 227	13 152
337127	Institutional furniture mfg ..	977	1 010	40 442	1 069 509	29 865	55 905	649 263	2 456 703	2 109 640	4 554 577	118 083
337129	Wood television, radio, & sewing machine cabinet mfg	99	101	4 366	86 970	3 773	7 417	66 826	149 836	160 305	317 934	6 802
3372	Office furniture (including fixtures) mfg	4 086	4 289	172 723	5 172 846	130 849	260 647	3 222 483	12 559 656	8 947 675	21 517 554	709 894
33721	Office furniture (including fixtures) mfg	4 086	4 289	172 723	5 172 846	130 849	260 647	3 222 483	12 559 656	8 947 675	21 517 554	709 894
337211	Wood office furniture mfg ..	639	672	30 106	766 094	24 229	49 390	528 848	1 744 454	1 276 399	3 021 800	106 032
337212	Custom architectural woodwork & millwork mfg	1 094	1 105	24 390	719 926	17 351	32 733	430 466	1 352 631	848 718	2 205 019	56 025
337214	Office furniture (except wood) mfg	303	360	44 414	1 625 080	32 440	69 641	982 053	5 018 286	3 306 678	8 341 389	325 469
337215	Showcase, partition, shelving, & locker mfg ...	2 073	2 152	73 813	2 061 746	56 829	108 883	1 281 116	4 444 285	3 515 880	7 949 346	222 368
3379	Other furniture related product mfg	1 071	1 190	42 507	1 045 407	31 074	62 171	636 413	3 126 695	3 233 965	6 363 237	169 256
33791	Mattress mfg	628	703	22 971	609 570	17 222	33 896	370 234	1 977 231	1 962 999	3 936 972	124 841
337910	Mattress mfg	628	703	22 971	609 570	17 222	33 896	370 234	1 977 231	1 962 999	3 936 972	124 841
33792	Blind & shade mfg	443	487	19 536	435 837	13 852	28 275	266 179	1 149 464	1 270 966	2 426 265	44 415
337920	Blind & shade mfg	443	487	19 536	435 837	13 852	28 275	266 179	1 149 464	1 270 966	2 426 265	44 415

See footnotes at end of table.

Table 1–1d. **Industry Statistics for Industry Groups and Industries: 1997—Con.**

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry	Com-panies ¹	All estab-lish-ments ²	All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments ³ (\$1,000)	Total capital expendi-tures (\$1,000)
				Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	Manufacturing—Con.											
339	Miscellaneous mfg	30 335	31 476	725 396	21 618 204	492 558	938 191	10 970 663	61 452 548	38 263 345	99 729 798	3 432 599
3391	Medical equipment & supplies mfg	12 123	12 675	291 522	10 008 144	185 316	349 073	4 501 321	30 613 184	14 155 494	44 893 840	1 705 516
33911	Medical equipment & supplies mfg	12 123	12 675	291 522	10 008 144	185 316	349 073	4 501 321	30 613 184	14 155 494	44 893 840	1 705 516
339111	Laboratory apparatus & furniture mfg	371	381	16 626	609 237	9 055	18 054	240 692	1 344 180	874 568	2 220 507	59 796
339112	Surgical & medical instrument mfg	1 456	1 594	105 016	4 015 772	63 366	124 251	1 665 856	13 148 075	5 145 141	18 292 919	721 701
339113	Surgical appliance & supplies mfg	1 511	1 645	85 646	2 982 742	53 682	100 724	1 261 161	9 863 213	5 284 395	15 233 098	565 014
339114	Dental equipment & supplies mfg	849	873	17 806	605 765	11 646	21 694	281 684	1 717 856	957 869	2 666 147	71 565
339115	Ophthalmic goods mfg	520	573	25 274	770 994	16 982	33 503	404 597	2 387 162	1 096 286	3 497 595	213 706
339116	Dental laboratories	7 490	7 609	41 154	1 023 634	30 585	50 847	647 331	2 152 698	797 235	2 983 574	73 734
3399	Other miscellaneous mfg	18 232	18 801	433 874	11 610 060	307 242	589 118	6 469 342	30 839 364	24 107 851	54 835 958	1 727 083
33991	Jewelry & silverware mfg	3 737	3 769	61 104	1 531 249	43 226	78 930	847 312	3 991 201	4 343 722	8 303 714	113 945
339911	Jewelry (except costume) mfg	2 278	2 290	34 731	888 911	24 452	43 296	482 603	2 376 932	2 953 531	5 320 508	61 191
339912	Silverware & plated ware mfg	158	162	6 378	183 237	4 504	8 895	107 912	529 984	380 482	892 378	19 711
339913	Jewelers' material & lapidary work mfg	391	392	5 275	128 585	3 578	6 521	68 240	275 984	532 867	802 515	11 465
339914	Costume jewelry & novelty mfg	917	925	14 720	330 516	10 692	20 218	188 557	808 301	476 842	1 288 313	21 578
33992	Sporting & athletic goods mfg	2 477	2 562	68 586	1 826 631	49 893	94 756	1 004 057	5 866 075	4 755 192	10 633 528	344 190
339920	Sporting & athletic goods mfg	2 477	2 562	68 586	1 826 631	49 893	94 756	1 004 057	5 866 075	4 755 192	10 633 528	344 190
33993	Doll, toy, & game mfg	995	1 019	32 286	809 666	23 737	43 981	454 042	2 816 422	1 961 007	4 763 522	137 430
339931	Doll & stuffed toy mfg	239	239	3 386	63 582	2 520	4 525	41 548	194 644	104 614	300 678	3 936
339932	Game, toy, & children's vehicle mfg	756	780	28 900	746 084	21 217	39 456	412 494	2 621 778	1 856 393	4 462 844	133 494
33994	Office supplies (except paper) mfg	999	1 033	30 138	799 867	21 060	41 968	470 040	2 590 428	1 767 034	4 329 053	120 477
339941	Pen & mechanical pencil mfg	106	110	8 198	255 377	5 832	11 664	153 241	916 161	660 538	1 538 812	52 784
339942	Lead pencil & art good mfg	171	174	8 255	207 661	6 329	12 755	125 819	810 183	454 383	1 278 701	30 530
339943	Marking device mfg	617	633	8 012	194 792	4 795	9 564	102 191	423 895	240 414	661 173	20 754
339944	Carbon paper & inked ribbon mfg	106	116	5 673	142 037	4 104	7 985	88 789	440 189	411 699	850 367	16 409
33995	Sign mfg	5 580	5 710	83 813	2 412 225	54 475	104 509	1 217 571	4 637 205	3 375 219	7 997 974	236 476
339950	Sign mfg	5 580	5 710	83 813	2 412 225	54 475	104 509	1 217 571	4 637 205	3 375 219	7 997 974	236 476
33999	All other miscellaneous mfg	4 475	4 708	157 947	4 230 422	114 851	224 974	2 476 320	10 938 033	7 905 677	18 808 167	774 565
339991	Gasket, packing, & sealing device mfg	561	666	41 980	1 290 903	30 034	62 458	762 912	3 132 922	2 105 772	5 243 005	203 930
339992	Musical instrument mfg	552	574	13 249	357 842	10 810	21 900	243 531	836 529	483 633	1 324 529	34 565
339993	Fastener, button, needle, & pin mfg	240	252	8 021	211 561	5 767	13 113	125 760	503 706	347 605	838 928	48 458
339994	Broom, brush, & mop mfg	306	332	17 280	446 005	13 008	25 464	268 007	1 157 593	944 974	2 083 585	90 013
339995	Burial casket mfg	161	173	6 792	206 890	5 050	10 258	141 037	857 988	358 002	1 219 943	27 416
339999	All other miscellaneous mfg	2 660	2 711	70 625	1 717 221	50 182	91 781	935 073	4 449 295	3 665 691	8 098 177	370 183

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.²Includes establishments with payroll at any time during the year.³For most industries, data are value of shipments. For industries 311411, 311412, 311421, 311422, 311711, 311712, 311941, 311999, 312140, 312210, 312221, and 312229, value of production is shown. For industry 336611, value of work done is shown.Table 1–2. **Industry Statistics for Subsectors by Selected States: 1997**

[For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expendi-tures (\$1,000)
		Total	With 20 em-ploy-ees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33, MANUFACTURING												
United States	—	362 829	119 748	16 805 127	569 808 845	12 065 257	24 183 271	338 267 197	1 825 688 027	2 015 424 556	3 834 700 920	151 510 757
Alabama	—	5 431	2 080	351 466	10 170 963	274 823	544 806	6 922 461	28 762 420	38 687 820	67 477 260	3 051 253
Alaska	—	486	101	10 722	329 324	8 669	18 942	236 311	1 153 433	2 104 778	3 283 362	129 586
Arizona	—	4 906	1 362	193 303	6 740 161	121 631	245 413	2 992 380	27 900 974	15 838 358	43 994 086	2 506 179
Arkansas	—	3 302	1 237	229 093	5 756 536	186 668	367 624	4 178 912	19 392 561	25 868 119	45 223 211	1 557 573
California	1	49 291	15 167	1 795 000	65 346 827	1 173 062	2 296 334	30 927 960	196 182 882	183 934 654	378 729 557	16 362 409
Colorado	1	5 466	1 252	172 307	6 170 883	114 457	224 728	3 156 218	20 609 367	19 311 738	39 812 716	1 698 936
Connecticut	1	5 829	1 914	250 848	10 401 916	152 009	315 068	4 877 952	27 298 479	19 789 500	46 864 998	1 861 915
Delaware	—	671	228	39 954	1 489 381	29 041	59 829	918 390	5 209 618	8 072 414	13 205 659	508 385
District of Columbia	2	199	35	2 847	100 865	1 916	3 714	60 680	170 633	149 165	319 884	9 832
Florida	1	15 951	3 593	427 566	12 973 069	288 139	555 402	6 721 651	39 767 726	37 289 528	76 706 327	2 927 882

See footnotes at end of table.

Table 1–2. Industry Statistics for Subsectors by Selected States: 1997—Con.

[For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33, MANUFACTURING—Con.												
Georgia	—	9 053	3 277	531 450	15 473 204	408 569	826 574	10 126 167	55 426 485	69 050 254	124 003 137	4 153 507
Hawaii *	3	919	159	15 093	404 629	9 891	18 343	231 349	1 261 303	1 939 948	3 189 892	100 669
Idaho	—	1 643	417	65 997	2 094 462	50 198	89 069	1 272 880	6 383 900	10 620 606	16 900 224	1 393 009
Illinois	—	17 912	6 538	883 358	31 686 026	626 460	1 278 831	18 625 974	95 342 475	104 853 848	199 893 976	7 344 742
Indiana	—	9 279	3 928	625 684	22 163 782	477 158	978 646	14 919 136	67 173 341	75 629 502	142 182 844	5 525 986
Iowa	—	3 743	1 407	236 865	7 604 137	177 032	356 074	4 942 866	28 615 467	34 116 111	62 511 051	1 972 637
Kansas	—	3 296	1 140	193 002	6 513 519	140 573	280 314	4 039 225	18 987 474	29 081 270	47 080 651	1 458 041
Kentucky	—	4 205	1 707	288 541	9 197 961	224 434	455 748	6 249 883	39 062 786	48 696 757	87 515 235	3 426 692
Louisiana	—	3 536	1 164	164 938	6 025 203	122 970	256 824	3 949 080	27 463 500	51 043 098	78 333 959	3 513 342
Maine	1	1 809	510	81 279	2 562 912	62 022	120 642	1 736 601	6 698 567	7 386 714	14 066 822	592 362
Maryland	1	3 986	1 204	163 145	5 810 016	109 090	218 330	3 233 951	18 705 455	17 772 765	36 442 590	1 462 124
Massachusetts	1	9 534	3 295	415 224	16 274 205	256 775	520 200	7 737 438	45 132 888	33 561 345	78 612 764	3 635 273
Michigan	—	16 005	5 716	828 396	34 209 572	626 881	1 299 481	23 377 982	93 366 860	120 632 388	213 996 415	9 937 575
Minnesota	—	8 064	2 709	379 938	13 069 217	257 910	513 688	7 222 024	36 567 010	39 525 947	75 988 847	3 186 779
Mississippi	—	2 996	1 274	227 001	5 580 639	182 043	360 610	3 891 078	17 184 299	22 608 005	39 821 220	1 407 858
Missouri	—	7 477	2 482	367 549	11 551 114	267 979	526 652	7 135 310	43 071 878	47 323 830	92 745 261	2 656 471
Montana	—	1 158	178	19 478	557 878	14 884	27 386	392 709	1 876 897	3 105 758	5 004 527	150 462
Nebraska	—	1 958	610	106 556	3 034 134	83 975	172 999	2 129 405	10 460 265	17 459 386	27 939 376	721 776
Nevada	1	1 610	403	37 473	1 164 476	26 040	51 573	670 749	3 260 969	3 025 752	6 297 518	311 537
New Hampshire	1	2 321	751	97 928	3 318 423	68 228	134 236	1 920 807	11 129 674	8 528 850	19 663 103	700 466
New Jersey	1	11 788	3 809	407 272	15 314 686	274 363	555 738	8 112 739	49 432 983	46 768 915	96 179 751	3 096 106
New Mexico	—	1 588	290	39 539	1 131 505	29 244	56 972	718 570	13 487 517	4 675 305	18 096 992	572 910
New York	1	23 862	6 653	778 833	26 319 424	533 795	1 049 318	14 577 589	75 858 926	68 693 723	145 019 529	5 626 038
North Carolina	—	11 276	4 600	771 474	21 202 451	599 534	1 192 012	13 992 938	79 790 807	83 038 366	162 805 526	5 214 477
North Dakota	1	702	188	37 928	604 532	16 359	31 447	386 806	2 008 799	3 297 443	5 295 480	201 019
Ohio	—	17 921	6 855	980 133	35 811 374	727 110	1 494 596	23 489 758	112 361 392	129 408 857	241 489 801	8 851 039
Oklahoma	—	4 079	1 187	163 812	4 967 086	122 352	241 863	3 222 983	17 226 649	20 228 803	37 423 437	1 082 614
Oregon	—	5 749	1 662	211 329	7 045 200	157 068	314 114	4 513 660	25 100 453	22 613 809	47 534 802	3 018 411
Pennsylvania	1	17 087	6 319	820 204	27 528 493	593 401	1 187 997	17 002 772	86 116 509	86 181 634	171 494 390	6 840 011
Rhode Island	1	2 526	696	74 666	2 264 507	52 213	103 787	1 265 607	5 462 493	4 882 795	10 388 007	397 298
South Carolina	—	4 437	1 860	343 452	10 312 408	265 645	536 612	6 814 088	33 343 682	37 125 249	70 384 095	3 405 410
South Dakota	—	884	289	46 287	1 155 969	33 041	64 773	703 545	4 352 357	7 811 807	12 164 706	262 798
Tennessee	—	7 384	2 888	482 639	14 329 669	374 140	741 421	9 454 387	44 527 758	54 195 539	98 649 891	3 853 294
Texas	—	21 763	6 753	958 232	32 718 983	663 356	1 340 712	18 093 008	127 579 894	169 487 234	296 782 631	12 505 676
Utah	—	2 855	857	121 899	3 765 895	86 686	169 255	2 246 557	11 689 959	13 346 669	24 953 032	948 033
Vermont	—	1 225	339	42 503	1 457 047	29 291	57 719	757 088	4 028 276	3 929 084	7 799 397	732 944
Virginia	—	5 970	2 032	370 242	11 549 863	274 381	549 218	7 243 796	43 180 687	40 772 089	83 872 063	3 423 260
Washington	1	7 781	2 145	327 207	12 970 253	212 981	424 129	7 042 745	31 534 413	48 896 972	78 507 552	2 628 861
West Virginia	—	1 499	512	72 425	2 453 353	55 378	112 022	1 655 632	8 980 535	8 941 129	17 947 576	914 250
Wisconsin	—	9 914	3 886	560 582	18 874 331	414 966	829 277	12 001 190	54 974 219	62 210 676	117 150 720	4 134 060
Wyoming	1	503	90	8 448	256 382	6 426	12 209	174 810	1 030 583	1 910 250	2 955 070	76 990
311, FOOD MFG												
United States	1	26 302	8 726	1 466 956	38 366 240	1 112 307	2 234 216	25 185 751	163 675 301	258 537 984	421 737 017	10 799 165
Alabama	1	272	136	34 935	673 916	27 555	50 119	451 318	1 956 983	4 164 336	6 121 426	145 894
Alaska	1	157	68	7 584	184 478	6 388	14 276	137 482	557 756	782 945	1 340 675	48 162
Arizona	1	243	67	8 576	215 806	6 026	11 933	127 060	1 002 607	1 511 895	2 523 096	101 437
Arkansas	—	277	145	50 542	979 407	43 837	86 775	794 569	3 655 447	7 106 362	10 739 722	222 380
California	1	3 490	1 151	153 171	4 195 702	114 747	224 290	2 657 203	16 638 652	22 984 021	39 533 880	1 109 817
Colorado	1	381	107	17 719	438 603	13 241	27 036	289 054	1 586 302	3 827 143	5 416 550	111 077
Connecticut	1	314	73	8 062	233 526	5 652	10 832	136 487	930 768	945 626	1 865 379	56 660
Delaware	—	73	28	9 262	194 534	8 095	15 669	149 205	546 412	1 493 319	2 037 592	32 349
District of Columbia	2	19	4	413	11 128	175	282	3 448	19 155	9 353	28 557	684
Florida	1	942	220	36 654	986 935	24 988	47 941	564 185	4 367 523	6 141 923	10 458 287	374 389
Georgia	1	526	241	60 006	1 396 096	48 740	97 127	965 474	6 265 465	9 059 830	15 312 021	362 092
Hawaii *	2	244	55	6 118	153 304	4 132	7 497	90 110	402 859	475 773	878 143	32 687
Idaho	1	154	73	16 238	372 867	13 674	25 520	273 828	1 431 958	2 560 208	3 977 685	155 921
Illinois	1	299	493	84 527	2 595 896	63 235	133 244	1 722 293	12 315 389	16 973 753	29 243 276	787 976
Indiana	—	446	188	33 062	968 187	22 865	46 976	552 012	4 609 040	6 030 733	10 620 502	315 140
Iowa	—	441	204	46 790	1 304 774	37 374	78 450	929 111	7 021 127	14 510 938	21 539 510	573 248
Kansas	—	304	116	30 934	793 013	24 809	55 419	568 486	2 463 226	10 012 242	12 459 037	162 670
Kentucky	—	244	109	19 188	491 956	14 457	32 048	319 088	2 248 306	3 294 453	5 495 741	144 991
Louisiana	1	399	145	15 684	396 260	11 159	21 609	234 944	1 585 000	3 335 322	4 887 648	112 609
Maine	3	182	42	5 995	135 725	4 338	7 924	89 655	518 495	553 181	1 070 711	47 517
Maryland	1	359	128	17 305	449 092	12 934	27 029	299 336	2 734 766	3 145 907	5 882 487	97 348
Massachusetts	1	753	191	21 006	583 828	13 421	25 185	311 650	1 988 671	2 528 138	4 523 407	126 084
Michigan	1	862	236	35 369	1 038 622	26 350	52 602	713 278	5 333 455	5 256 181	10 594 528	316 824
Minnesota	—	656	262	43 887	1 211 656	32 835	66 831	785 637	4 761 231	9 979 732	14 758 710	360 067
Mississippi	—	204	90	26 875	488 611	23 127	46 293	362 168	1 875 013	3 043 799	4 919 854	96 156
Missouri	—	495	190	39 796	960 092	30 820	63 898	682 671	5 348 569	7 764 043	13 090 996	290 547
Montana	1	145	18	2 024	52 348	1 303	2 140	29 955	151 410	314 902	466 563	26 917
Nebraska	—	291	127	33 652	826 410	27 910	61 525	639 306	3 181 091	11 154 263	14 320 133	241 807
Nevada	1	94	26	2 917	83 204	1 938	4 159	46 310	392 457	302 931	696 230	16 311
New Hampshire	3	100	19	2 053	52 286	1 369	2 512	28 478	218 862	331 144	550 657	11 203
New Jersey	2	1 029	259	28 869	921 161	20 380	40 643	556 885	3 459 058	4 159 218	7 622 801	180 302
New Mexico	2	136	32	4 084	85 185	3 045	5 654	55 501	383 234	613 915	977 047	37 205
New York	1	2 197	435	49 056	1 376 213	33 755	65 658	795 954	6 010 293	7 691 858	13 714 026	344 670
North Carolina	—	500	219	52 911	2 111 345	40 863	79 947	772 098	4 495 963	7 410 415	11 917 004	283 600
North Dakota	1	117	46	5								

Table 1–2. Industry Statistics for Subsectors by Selected States: 1997—Con.

[For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
311, FOOD MFG—Con.												
South Carolina	1	195	70	16 257	348 318	13 469	25 278	256 423	1 412 359	1 732 500	3 141 095	50 109
South Dakota	1	90	33	7 639	174 263	6 335	12 942	130 663	509 323	1 795 835	2 293 558	31 919
Tennessee	1	338	150	35 817	1 004 842	25 291	50 020	600 675	4 217 533	5 356 732	9 503 309	344 146
Texas	—	1 560	484	83 640	2 096 882	63 242	135 643	1 360 986	9 600 096	16 353 014	25 919 876	558 897
Utah	1	245	91	12 663	303 011	9 524	17 256	195 432	1 008 485	1 992 966	3 007 483	74 153
Vermont	1	150	40	2 930	78 603	2 090	4 041	51 954	287 646	507 988	798 599	24 063
Virginia	—	436	154	33 702	784 426	26 039	51 928	542 045	4 050 164	4 973 749	9 002 379	241 531
Washington	1	728	278	35 422	929 466	27 462	53 377	632 006	3 352 758	5 241 077	8 584 086	241 180
West Virginia	1	84	21	4 955	118 538	3 729	7 591	66 313	297 836	515 925	813 419	9 266
Wisconsin	1	993	423	62 167	1 676 530	48 364	96 539	1 158 587	6 498 229	13 858 051	20 372 273	514 747
Wyoming	—	39	6	553	13 792	479	882	11 882	42 587	89 615	143 924	2 424
312, BEVERAGE & TOBACCO PRODUCT MFG												
United States	1	2 727	1 029	175 711	6 735 295	98 389	196 693	3 554 784	56 433 891	41 276 110	96 971 368	3 100 543
Alabama	1	30	9	2 718	67 791	1 316	2 778	26 632	315 108	425 050	740 248	16 459
Alaska	2	8	2	c	D	D	D	D	D	D	D	2 809
Arizona	—	41	16	1 754	48 366	759	1 528	16 647	187 824	396 474	582 678	26 388
Arkansas	—	20	11	876	25 480	421	889	10 769	270 043	421 264	691 163	18 564
California	1	590	236	28 096	1 027 150	13 898	27 088	460 153	5 546 106	6 259 011	11 204 637	590 028
Colorado	—	71	20	6 601	358 410	3 388	6 863	163 820	1 587 076	935 515	2 526 840	103 177
Connecticut	1	24	5	363	11 992	215	403	5 942	86 504	98 426	182 953	3 833
Delaware	—	5	1	c	D	D	D	D	D	D	D	D
Florida	1	110	43	8 341	261 142	4 370	8 703	127 494	1 807 096	1 561 021	3 369 258	124 590
Georgia	—	62	26	7 296	369 000	4 886	9 863	234 291	4 495 400	2 172 718	6 668 863	206 150
Hawaii *	5	15	5	697	18 656	254	475	5 871	38 419	104 584	151 467	4 007
Idaho	1	24	2	224	5 345	149	209	2 482	28 927	50 467	79 284	1 608
Illinois	1	62	22	3 751	125 213	2 166	4 545	66 148	966 469	769 764	1 733 169	34 103
Indiana	3	44	21	3 159	112 607	1 785	3 459	56 601	771 619	850 587	1 597 929	42 498
Iowa	3	18	10	1 032	29 280	523	1 054	14 892	204 714	256 568	461 037	9 796
Kansas	2	23	9	909	29 694	361	788	8 995	111 706	277 132	387 568	13 766
Kentucky	—	55	33	6 711	267 634	4 345	8 949	161 442	3 935 174	1 312 257	5 204 386	48 810
Louisiana	—	48	14	2 460	75 699	890	1 737	21 606	160 400	367 202	526 892	9 015
Maine	1	18	7	579	17 653	279	463	7 476	56 903	68 671	125 573	18 494
Maryland	3	32	15	1 760	63 617	808	1 910	26 974	351 567	459 287	814 613	27 017
Massachusetts	1	51	13	2 715	101 996	1 314	3 034	50 607	566 395	631 836	1 201 173	35 619
Michigan	1	62	21	3 147	117 784	1 740	3 560	60 055	610 004	928 463	1 533 332	46 776
Minnesota	1	39	14	2 137	73 071	1 344	2 374	36 470	303 927	590 377	898 202	14 470
Mississippi	—	25	4	645	16 828	213	449	5 461	84 711	121 350	205 809	2 480
Missouri	—	48	17	3 898	194 588	2 605	5 313	124 482	1 290 444	925 066	2 213 419	169 406
Montana	3	24	6	322	7 775	193	314	4 162	24 904	58 780	83 615	2 824
Nebraska	2	11	5	502	15 766	235	486	5 209	68 658	150 097	219 964	D
Nevada	—	16	6	526	15 644	318	668	7 683	115 094	87 146	195 690	3 499
New Hampshire	—	14	5	782	38 415	579	959	26 712	224 283	200 501	424 682	D
New Jersey	—	49	15	3 698	170 497	2 491	5 328	104 096	1 322 307	976 462	2 303 949	86 652
New Mexico	1	21	2	223	4 838	158	274	2 774	19 413	79 513	99 104	3 676
New York	2	139	46	8 042	260 647	4 804	10 951	139 627	1 350 416	1 383 410	2 732 789	103 798
North Carolina	1	76	43	15 711	683 941	11 085	21 808	464 008	12 047 437	5 475 396	17 498 732	341 698
Ohio	—	78	35	6 372	235 941	3 368	6 592	128 614	1 657 232	1 554 488	3 212 114	139 252
Oklahoma	—	28	9	g	D	D	D	D	D	D	D	D
Oregon	2	96	27	2 268	67 228	1 150	2 039	31 501	259 474	362 818	619 956	18 127
Pennsylvania	3	132	48	7 097	232 866	4 301	8 392	131 801	1 248 740	1 445 543	2 688 067	65 431
Rhode Island	1	13	4	378	14 130	215	443	6 022	34 942	86 211	120 505	10 022
South Carolina	—	16	5	732	22 504	275	647	7 155	83 031	244 774	329 133	4 571
South Dakota	—	9	3	213	6 065	62	119	1 191	27 015	23 244	50 267	D
Tennessee	—	57	25	3 792	133 749	2 267	4 804	72 808	1 715 372	980 523	2 686 104	51 125
Texas	—	134	56	11 611	393 200	5 441	10 393	173 870	2 454 696	2 491 331	4 953 713	223 966
Utah	1	16	6	550	15 381	217	470	5 789	90 388	201 736	291 959	7 389
Vermont	5	15	c	D	D	D	D	D	D	D	D	D
Virginia	—	72	38	13 273	683 342	7 874	15 172	367 080	8 274 990	3 644 389	11 905 760	340 722
Washington	1	99	34	3 603	99 496	1 718	3 101	48 762	548 727	646 008	1 161 349	41 611
West Virginia	4	16	8	625	18 354	357	667	9 691	147 581	121 391	266 519	5 414
Wisconsin	—	53	16	2 845	127 361	2 100	4 354	97 516	557 570	696 143	1 258 956	28 679
Wyoming	5	8	4	259	4 164	99	187	2 140	63 020	52 388	114 954	1 237
313, TEXTILE MILLS												
United States	1	4 694	2 136	391 899	10 058 482	332 385	695 900	7 439 112	23 696 948	34 876 899	58 707 401	2 691 704
Alabama	—	108	82	20 584	510 836	18 680	39 307	430 738	1 377 627	2 139 126	3 514 903	126 812
Arizona	—	29	3	592	12 004	536	1 139	10 155	29 421	85 805	115 065	2 535
Arkansas	—	12	4	1 158	26 797	1 057	1 928	22 256	35 492	65 845	103 498	4 738
California	3	460	125	11 849	283 610	9 814	19 807	187 054	641 179	749 880	1 389 409	73 430
Colorado	6	28	6	444	10 244	373	689	7 027	18 934	14 319	33 399	D
Connecticut	2	55	25	3 746	122 884	2 940	6 410	75 844	302 492	343 386	648 293	23 805
Delaware	2	7	4	325	7 876	283	515	5 349	15 971	19 044	34 799	3 191
Florida	1	159	31	2 903	70 149	2 445	4 833	47 186	170 533	181 188	353 711	13 026
Georgia	1	298	195	52 196	1 252 449	46 270	98 261	1 017 148	2 907 737	4 719 401	7 638 274	288 235
Illinois	3	80	11	1 287	39 946	1 025	2 082	26 237	81 852	113 998	194 271	6 265
Indiana	1	28	7	456	9 690	380	716	6 418	20 827	35 636	56 699	743
Kansas	8	11	3	203	3 727	151	252	2 133	5 783	10 968	16 739	1 126
Kentucky	6	26	11	1 544	34 812	1 312	2 673	25 593	106 990	111 780	215 762	D
Louisiana	6	12	2	103	2 039	89	167	1 437	4 350	4 446	8 792	411
Maine	2	43	23	4 467	101 035	3 192	6 347	70 641	201 374	283 668	475 708	29 611
Maryland	5	40	10	1 657	41 379	1 335	2 913	26 353	109 771	103 056	216 771	8 938
Massachusetts	1	151	83	12 509	420 072	9 722	22 439	263 862	969 154	900 132	1 863 785	226 988
Michigan	4	43	7	542	14 239	452	860	9 982	38 169	60 861	98 935	3 692
Minnesota	2	39	8	712	23 600	494	997	11 750	45 636	63 027	107 113	3 320
Mississippi	—	27	8	2 592	71 187	2 351	4 917	60 071	261 623	227 644	483 403	10 567

See footnotes at end of table.

Table 1–2. Industry Statistics for Subsectors by Selected States: 1997—Con.

[For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 em- ploy- ees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
313, TEXTILE MILLS—Con.												
Missouri	5	36	11	661	17 511	513	999	11 012	43 796	53 390	96 910	3 128
Nebraska	2	11	3	196	3 863	170	330	3 071	10 273	5 790	15 924	D
New Hampshire	1	34	17	2 436	69 709	2 012	3 995	50 811	120 764	113 893	233 983	27 164
New Jersey	3	372	112	9 089	296 755	6 969	14 669	183 279	663 211	585 976	1 244 145	40 022
New York	2	609	159	14 787	494 359	11 131	22 982	262 912	1 311 797	1 633 840	2 979 007	93 086
North Carolina	—	716	525	112 477	2 738 937	96 589	204 593	2 092 068	6 185 540	11 007 860	17 229 691	811 244
Ohio	1	78	26	3 250	94 597	2 462	4 996	61 125	198 795	239 242	438 227	21 812
Oklahoma	1	22	4	418	8 824	360	657	6 572	18 408	23 157	40 142	1 953
Oregon	1	24	4	243	4 769	179	332	3 579	11 681	14 954	27 573	754
Pennsylvania	3	223	125	14 080	351 417	11 494	23 633	248 892	860 670	862 461	1 718 525	66 779
Rhode Island	—	92	52	5 932	167 527	4 590	9 573	107 280	358 574	459 923	826 393	24 367
South Carolina	—	341	263	64 615	1 620 442	56 025	115 676	1 266 894	3 865 781	6 061 016	9 986 330	421 275
South Dakota	—	4	1	D	D	D	D	D	D	D	D	D
Tennessee	—	105	63	12 181	333 417	10 247	20 672	241 463	773 273	985 173	1 757 474	75 318
Texas	2	100	27	6 024	129 205	5 227	10 029	100 934	370 373	285 564	650 450	20 063
Utah	9	14	1	105	2 005	89	139	1 436	3 800	2 811	6 587	391
Vermont	1	12	2	D	D	D	D	D	D	D	D	D
Virginia	1	88	60	20 726	513 358	17 603	37 371	388 533	1 191 876	1 841 246	3 063 160	174 190
Washington	1	48	7	928	26 648	715	1 456	18 362	62 171	121 095	182 328	20 508
West Virginia	4	9	4	423	11 149	334	699	7 345	21 595	22 176	44 042	1 932
Wisconsin	—	46	19	2 355	81 982	1 888	4 046	53 689	181 599	199 394	376 091	35 171
314, TEXTILE PRODUCT MILLS												
United States	1	7 899	1 900	235 441	5 088 653	189 082	366 775	3 410 873	13 613 111	17 671 553	31 051 835	718 728
Alabama	1	124	45	10 529	249 402	8 535	17 401	174 464	719 795	950 151	1 621 591	55 787
Arizona	3	99	14	1 086	22 373	863	1 593	14 094	56 625	39 733	95 885	3 176
Arkansas	—	66	14	2 297	54 823	1 909	3 625	40 070	144 095	119 481	262 977	17 189
California	2	1 073	243	22 540	453 325	17 803	32 007	274 437	1 011 790	1 253 206	2 251 326	48 976
Colorado	1	121	19	2 387	57 392	1 821	3 306	27 223	211 380	152 762	361 244	9 043
Connecticut	1	90	17	1 748	44 859	1 308	2 506	24 733	86 524	78 964	167 069	2 963
Delaware	2	17	6	D	D	D	D	D	D	D	D	612
Florida	2	543	74	7 111	127 416	5 848	9 934	82 841	263 894	247 199	508 155	15 356
Georgia	—	519	232	48 424	1 174 022	37 969	82 370	816 866	4 099 602	6 217 396	10 250 122	183 226
Hawaii *	7	28	1	D	D	D	D	D	D	D	D	291
Idaho	2	39	5	289	4 485	225	379	2 873	10 993	11 162	22 107	D
Illinois	3	266	61	5 642	120 131	4 327	8 041	74 958	259 031	263 528	527 249	13 434
Indiana	—	136	32	3 577	77 265	2 998	5 296	49 070	173 135	167 029	348 148	9 167
Iowa	—	59	9	1 235	29 791	910	1 583	14 776	73 381	104 714	173 659	2 952
Kansas	2	52	12	1 293	25 884	1 026	2 062	17 345	61 359	58 547	120 244	2 866
Kentucky	—	74	26	4 673	92 290	4 100	7 882	71 912	273 221	309 562	573 919	8 984
Louisiana	4	68	14	1 659	26 859	1 371	2 481	16 682	61 170	63 982	124 186	3 232
Maine	1	58	13	1 889	37 939	1 445	2 945	25 564	108 372	98 207	205 262	8 897
Maryland	3	108	11	804	17 315	595	997	9 589	30 577	25 237	55 952	D
Massachusetts	2	216	54	4 872	117 596	3 802	7 163	70 702	259 338	281 822	534 557	16 230
Michigan	2	206	28	2 826	61 572	2 272	4 251	37 502	116 397	155 103	271 461	8 069
Minnesota	1	127	18	1 668	30 879	1 294	2 321	19 358	61 363	61 412	122 238	4 035
Mississippi	—	58	25	3 343	66 181	2 777	5 894	48 156	194 873	199 864	392 926	10 794
Missouri	1	150	38	3 285	60 379	2 730	5 266	43 532	188 990	158 271	352 385	6 830
Montana	6	30	3	348	6 155	279	439	3 665	12 778	7 457	19 368	D
Nebraska	2	45	5	560	9 934	435	699	6 363	21 575	20 764	41 315	D
Nevada	3	31	5	350	5 884	282	508	4 363	13 599	8 544	22 276	1 372
New Hampshire	2	45	11	1 192	34 824	858	1 862	23 492	66 273	59 927	122 805	6 282
New Jersey	2	315	75	6 024	126 247	4 820	9 001	80 011	303 400	273 936	574 696	11 005
New York	2	593	126	11 111	231 669	8 565	14 862	132 898	478 879	593 040	1 066 794	24 802
North Carolina	1	362	141	23 090	485 693	19 608	39 819	364 358	1 310 383	1 579 010	2 890 266	49 075
North Dakota	—	14	4	270	4 510	190	299	2 410	11 454	8 994	20 005	585
Ohio	1	253	62	5 120	99 614	4 021	6 965	63 685	200 788	208 371	410 732	8 054
Oklahoma	1	77	13	1 476	25 039	1 173	1 853	16 127	70 937	95 887	167 716	3 577
Oregon	3	97	15	1 161	21 951	906	1 622	14 010	33 104	41 037	74 342	2 139
Pennsylvania	1	290	70	8 029	189 894	6 210	11 918	119 834	438 797	591 430	1 028 084	25 114
Rhode Island	2	54	12	1 331	27 271	1 120	2 043	18 068	59 171	48 539	107 264	3 420
South Carolina	—	167	75	14 687	318 392	12 594	25 094	241 598	822 851	1 584 981	2 339 668	56 585
South Dakota	1	29	8	857	13 695	589	1 099	7 761	25 171	27 397	50 376	971
Tennessee	—	166	58	6 268	135 059	5 183	9 734	92 122	403 396	422 455	825 212	38 958
Texas	1	415	95	9 514	162 961	7 622	13 609	107 307	346 895	397 337	732 926	15 858
Utah	1	65	24	1 447	29 563	1 104	1 879	18 303	68 259	85 676	157 470	2 812
Vermont	3	33	4	246	4 613	166	245	2 083	10 543	10 291	20 735	D
Virginia	—	152	29	4 175	86 833	3 412	6 471	63 928	192 050	367 957	562 321	15 062
Washington	1	176	29	2 159	53 791	1 666	3 150	32 359	111 530	93 639	204 675	4 530
West Virginia	1	16	4	167	2 744	131	204	2 002	8 965	16 684	25 594	482
Wisconsin	1	132	20	2 049	47 653	1 693	3 197	29 144	111 468	88 280	197 021	12 135
315, APPAREL MFG												
United States	1	16 989	6 354	710 796	12 582 352	592 290	1 060 314	8 799 442	33 780 193	34 683 500	68 018 116	941 178
Alabama	1	367	225	37 272	556 943	32 574	55 743	438 850	1 402 050	1 508 848	2 884 962	51 059
Arizona	3	82	15	1 639	23 225	1 208	2 117	15 994	29 921	34 507	67 154	1 511
Arkansas	1	80	48	8 409	124 762	7 719	13 959	108 841	283 996	184 129	469 361	5 414
California	2	5 102	1 629	128 660	2 233 530	108 102	184 932	1 479 577	6 133 768	6 671 375	12 693 578	223 513
Colorado	2	113	22	1 884	36 138	1 468	2 939	24 052	65 556	43 736	109 784	2 618
Connecticut	1	73	22	2 040	45 090	1 642	3 190	28 299	187 857	175 158	356 397	D
Delaware	8	12	3	D	D	D	D	D	D	D	D	D
Florida	1	658	188	18 793	301 567	15 467	25 931	203 433	901 216	869 415	1 738 377	19 913
Georgia	1	340	192	32 388	502 044	26 587	47 724	370 922	1 547 720	1 728 159	3 219 834	34 562
Hawaii *	1	93	21	1 555	28 924	1 221	2 250	17 243	70 638	62 975	133 900	1 833

See footnotes at end of table.

Table 1–2. Industry Statistics for Subsectors by Selected States: 1997—Con.

[For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
315, APPAREL MFG—Con.												
Idaho	1	17	6	282	4 128	247	418	3 095	7 057	4 687	12 145	1 183
Illinois	2	270	87	10 255	216 522	7 984	15 357	128 132	453 956	354 585	808 210	23 997
Indiana	1	81	26	2 525	51 194	1 887	3 754	29 432	120 849	123 064	247 017	5 113
Iowa	—	61	25	3 538	66 735	2 693	4 977	49 085	114 204	125 041	242 186	4 544
Kansas	—	44	16	1 480	23 779	1 227	2 276	17 746	60 559	66 946	124 899	1 249
Kentucky	—	119	91	23 360	397 801	20 756	37 216	320 643	1 160 169	1 067 590	2 195 155	20 161
Louisiana	—	87	46	9 328	158 543	8 678	15 217	133 578	1 155 002	622 678	1 744 086	10 784
Maine	2	20	8	841	13 056	706	1 333	10 641	22 520	28 410	49 436	1 402
Maryland	2	92	32	3 861	71 702	3 221	5 891	48 837	144 461	125 266	270 704	3 560
Massachusetts	3	237	103	10 336	220 720	8 606	15 988	145 532	431 582	497 819	911 713	9 017
Michigan	1	116	15	1 232	21 921	1 029	1 976	15 361	64 152	97 519	163 447	1 294
Minnesota	1	117	26	2 442	45 691	1 992	4 029	32 497	76 767	68 575	143 317	2 336
Mississippi	1	143	113	20 199	282 271	17 379	31 694	220 670	818 245	834 574	1 643 525	16 820
Missouri	1	198	107	12 735	188 667	10 886	18 853	143 208	414 968	296 864	694 469	10 057
Montana	5	18	1	110	1 123	98	170	871	2 181	1 507	3 647	D
Nebraska	—	26	10	987	17 279	833	2 608	12 824	68 417	51 523	118 763	D
Nevada	6	27	4	263	3 965	214	388	2 781	6 661	6 755	13 357	D
New Hampshire	2	47	19	1 515	28 285	1 284	2 078	17 574	51 019	57 962	108 239	D
New Jersey	1	604	233	22 319	524 485	16 472	31 549	282 015	1 114 140	1 296 506	2 435 060	25 558
New Mexico	—	31	8	1 816	37 154	1 671	3 111	33 879	156 932	134 768	292 132	4 871
New York	4	3 933	1 170	90 693	1 803 385	68 232	117 639	1 060 981	4 438 384	5 136 868	9 587 525	107 636
North Carolina	1	752	481	72 459	1 337 162	62 387	117 258	1 012 382	3 461 788	3 846 877	7 332 757	134 215
Ohio	2	154	44	4 555	102 741	3 629	7 024	62 289	327 604	249 726	570 561	7 153
Oklahoma	1	96	41	5 673	89 786	4 969	9 095	73 436	175 911	266 682	437 162	4 260
Oregon	2	81	18	1 735	30 237	1 537	2 983	23 685	61 843	41 239	101 664	1 631
Pennsylvania	2	749	370	40 745	755 346	33 550	61 228	544 421	2 010 660	1 757 342	3 714 766	43 339
Rhode Island	—	23	7	468	10 515	323	557	4 906	24 999	18 700	43 042	D
South Carolina	1	217	152	17 560	276 833	14 832	27 397	207 869	778 182	702 779	1 466 580	20 440
South Dakota	—	18	9	f	D	D	D	D	D	D	D	D
Tennessee	1	351	226	36 357	611 474	31 145	57 053	442 250	1 533 433	1 559 847	3 086 993	42 106
Texas	—	673	222	38 417	642 769	33 066	57 525	488 295	2 156 008	2 248 753	4 336 091	45 770
Utah	1	63	23	2 039	31 960	1 667	2 974	23 414	54 439	44 139	101 020	703
Vermont	1	38	9	1 031	17 142	729	1 464	11 311	49 880	48 559	94 319	D
Virginia	—	222	124	25 877	449 773	22 763	42 590	364 508	1 188 247	1 142 911	2 332 425	33 199
Washington	1	169	52	4 900	93 856	4 352	8 520	71 646	176 606	209 127	383 568	4 092
West Virginia	—	26	16	1 911	25 013	1 724	2 850	21 124	121 962	111 534	223 918	D
Wisconsin	1	111	47	3 160	57 865	2 488	4 566	35 475	104 089	97 458	201 706	2 827
Wyoming	2	12	1	c	D	D	D	D	D	D	D	D
316, LEATHER & ALLIED PRODUCT MFG												
United States	—	1 861	597	85 115	1 832 341	68 733	133 908	1 185 870	5 407 999	5 480 529	10 876 510	167 254
Alabama	6	19	1	119	1 993	92	152	1 522	4 663	5 890	10 633	178
Arizona	1	25	2	208	4 503	156	270	2 248	14 863	10 722	26 020	111
Arkansas	1	28	17	3 128	46 158	2 842	4 495	33 429	94 649	88 191	184 592	899
California	2	233	72	7 497	143 454	6 160	11 828	94 332	343 651	285 455	631 899	10 442
Colorado	—	32	5	1 622	54 024	945	2 088	19 538	382 634	206 222	600 553	D
Connecticut	—	9	3	274	17 364	128	472	2 896	79 578	41 483	122 565	D
Florida	—	76	20	3 720	62 368	3 130	6 432	41 928	155 806	149 821	299 865	2 841
Georgia	2	26	4	461	6 767	326	610	4 960	18 942	21 729	41 227	635
Idaho	—	11	1	210	4 466	183	392	3 468	7 357	7 876	22 960	285
Illinois	—	52	17	2 760	59 226	2 403	5 030	40 255	133 973	131 992	262 255	6 067
Indiana	—	30	13	1 574	30 616	1 337	2 661	22 451	77 354	68 342	146 449	1 583
Iowa	2	20	9	f	D	D	D	D	D	D	D	5 749
Kansas	—	10	3	338	6 446	284	585	4 667	14 489	66 898	81 266	1 909
Kentucky	1	17	8	1 203	25 436	1 121	2 428	23 249	154 768	54 319	210 150	D
Louisiana	4	11	5	269	4 355	162	319	2 751	4 402	9 366	13 579	313
Maine	—	43	24	6 556	143 910	5 521	10 458	100 633	418 840	665 746	1 072 091	11 415
Maryland	—	12	5	1 321	41 543	1 151	1 996	34 564	172 285	183 785	354 828	D
Massachusetts	1	112	38	3 800	86 345	2 969	5 840	56 028	302 590	218 441	516 571	10 480
Michigan	—	26	13	3 133	77 304	2 727	5 445	60 183	212 511	442 330	655 941	11 330
Minnesota	—	29	8	2 164	74 786	1 724	3 755	47 422	204 101	179 828	376 033	5 566
Mississippi	3	9	4	351	6 498	303	543	4 705	21 350	19 234	40 719	276
Missouri	—	63	33	3 968	73 274	3 305	6 276	49 634	136 335	175 866	313 031	7 553
Nebraska	2	7	5	f	D	D	D	D	D	D	D	D
New Hampshire	—	25	13	1 525	39 567	1 188	2 296	20 469	275 837	104 195	387 698	12 293
New Jersey	2	56	18	2 632	73 996	2 003	4 277	39 666	147 090	176 806	322 996	3 480
New York	1	228	58	5 673	124 192	4 140	8 506	75 903	325 632	304 593	622 813	6 981
North Carolina	—	44	15	3 350	80 954	2 665	5 639	54 261	185 579	218 024	403 669	4 541
Ohio	—	36	16	2 105	43 297	1 625	3 017	25 774	147 502	115 491	260 056	2 123
Oklahoma	1	25	6	f	D	D	D	D	D	D	D	D
Oregon	1	29	5	457	10 013	366	699	6 456	24 480	15 280	39 648	1 960
Pennsylvania	—	73	26	5 199	105 925	4 426	8 464	78 783	325 363	364 577	676 577	7 106
Rhode Island	1	14	5	343	6 854	219	408	4 134	21 306	11 340	32 775	D
Tennessee	—	43	21	2 839	52 449	2 417	4 498	37 335	138 544	113 302	253 999	5 248
Texas	1	176	43	6 342	112 190	4 941	9 307	54 071	269 116	269 453	551 360	5 410
Utah	4	13	5	220	3 298	182	281	2 251	12 165	11 238	23 199	264
Virginia	6	18	5	604	7 219	503	885	5 278	11 371	11 006	25 058	763
Washington	—	31	7	775	15 117	556	1 065	9 256	78 350	66 749	140 457	1 072
West Virginia	1	4	4	717	11 261	649	1 202	9 545	19 817	26 290	46 319	D
Wisconsin	—	72	34	5 447	131 179	4 061	7 768	80 802	360 280	387 568	758 755	14 271

See footnotes at end of table.

Table 1–2. Industry Statistics for Subsectors by Selected States: 1997—Con.

[For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
321, WOOD PRODUCT MFG												
United States	1	17 367	5 809	570 034	14 319 193	476 225	948 438	10 567 993	33 493 004	55 299 641	88 470 180	2 869 234
Alabama	1	485	225	25 836	622 322	21 601	43 697	447 794	1 486 263	2 891 515	4 362 729	127 977
Alaska	1	32	3	279	10 044	229	472	7 463	26 470	28 829	50 439	1 371
Arizona	1	204	86	8 348	193 645	6 637	12 934	131 583	412 362	560 455	977 117	14 893
Arkansas	—	391	140	14 434	353 615	12 556	26 270	287 848	894 129	1 700 685	2 564 418	196 384
California	1	1 183	414	39 191	1 014 086	32 611	65 439	744 979	2 478 932	3 709 972	6 168 965	140 169
Colorado	1	219	49	4 033	98 695	3 222	6 412	65 677	199 758	305 140	503 339	13 771
Connecticut	2	115	21	1 466	46 119	1 141	2 412	30 933	98 161	96 586	194 834	4 894
Delaware	7	26	4	809	18 383	686	1 415	15 096	42 029	48 670	90 248	1 678
Florida	1	519	186	15 207	357 359	12 258	24 621	246 126	818 672	1 431 651	2 250 967	52 953
Georgia	—	554	221	27 347	678 255	22 736	46 147	493 967	1 642 828	3 375 371	5 005 917	147 767
Hawaii *	—	24	3	c	D	D	D	D	D	D	D	D
Idaho	—	204	80	9 110	257 323	7 859	15 815	204 370	602 464	1 383 081	1 963 520	31 878
Illinois	2	457	123	9 391	227 010	7 382	13 941	155 301	488 254	634 272	1 124 061	29 301
Indiana	1	602	222	21 672	561 618	17 892	35 076	410 088	1 229 580	1 928 693	3 147 032	72 031
Iowa	—	160	49	8 257	223 553	6 825	13 206	160 056	553 625	500 755	1 054 594	41 128
Kansas	2	101	33	3 152	67 991	2 575	4 765	47 901	152 652	228 882	379 400	7 519
Kentucky	1	438	137	11 076	220 788	9 377	17 594	166 634	522 606	698 439	1 211 832	62 932
Louisiana	—	212	83	8 935	233 649	7 713	17 297	187 313	615 247	1 228 558	1 838 510	59 084
Maine	1	255	89	7 930	189 469	6 599	13 494	141 625	395 856	538 655	925 361	50 368
Maryland	2	151	50	4 015	96 196	3 224	6 460	68 139	211 704	377 033	586 249	12 962
Massachusetts	2	229	38	2 809	72 691	2 096	4 101	46 865	156 876	234 838	391 353	9 557
Michigan	1	626	172	13 687	360 998	11 120	21 509	246 780	843 977	1 207 433	2 045 748	82 542
Minnesota	—	362	109	15 084	499 120	12 084	24 096	359 818	1 040 514	1 447 628	2 491 079	62 595
Mississippi	—	375	166	17 390	434 296	15 107	31 431	335 443	1 197 128	2 008 975	3 199 914	118 938
Missouri	2	582	123	9 297	188 035	7 648	13 647	131 700	419 598	578 654	996 356	25 819
Montana	—	154	46	5 204	152 826	4 645	9 109	130 717	364 331	640 319	1 008 580	23 283
Nebraska	3	81	16	2 469	59 420	1 950	3 795	40 323	113 320	213 146	326 207	7 068
Nevada	3	47	13	1 118	26 659	895	1 734	18 379	67 690	72 365	140 597	2 563
New Hampshire	2	178	54	3 588	94 291	2 835	5 657	63 868	223 058	254 848	475 121	17 570
New Jersey	2	160	36	2 618	77 360	1 997	4 922	44 936	169 975	224 853	391 581	7 563
New Mexico	4	81	22	1 502	33 203	1 249	2 286	23 105	79 504	112 635	193 120	3 469
New York	3	575	152	10 374	250 226	8 370	16 387	175 289	574 684	766 951	1 341 966	43 557
North Carolina	1	867	381	33 319	819 051	28 192	55 945	598 658	1 941 933	2 792 906	4 726 252	203 437
North Dakota	1	24	7	1 066	23 446	842	1 609	15 879	49 167	56 660	106 989	5 371
Ohio	1	699	204	19 791	445 802	16 696	31 920	337 276	1 097 895	1 275 492	2 360 770	95 639
Oklahoma	1	138	34	2 840	64 875	2 461	4 897	53 714	179 579	228 335	405 267	13 210
Oregon	—	598	299	37 667	1 123 884	32 778	67 857	894 968	2 574 497	5 806 370	8 355 417	250 783
Pennsylvania	1	995	261	24 310	574 250	19 920	37 055	410 130	1 363 596	1 926 007	3 275 458	90 835
Rhode Island	1	47	8	526	13 398	434	852	9 770	28 558	72 553	101 319	1 736
South Carolina	—	296	122	11 150	281 189	9 353	19 057	202 691	723 061	1 299 036	2 016 230	58 325
South Dakota	1	46	19	1 443	35 467	1 231	2 418	27 432	79 864	123 248	204 199	5 185
Tennessee	1	654	176	18 268	406 799	15 576	29 517	297 293	939 525	1 457 699	2 383 577	66 381
Texas	1	755	270	29 117	682 813	24 839	50 080	507 766	1 524 613	2 793 686	4 289 882	137 784
Utah	1	136	30	2 115	42 189	1 685	2 981	30 177	82 694	132 368	214 496	7 504
Vermont	1	140	39	3 330	82 220	2 737	5 605	61 843	183 510	238 773	419 582	13 756
Virginia	1	581	226	20 199	485 737	16 437	33 562	343 970	1 136 189	1 671 789	2 795 007	133 805
Washington	1	589	217	22 251	652 057	18 899	38 410	506 694	1 475 782	2 995 949	4 445 865	165 094
West Virginia	1	289	99	7 769	159 691	6 871	13 290	127 540	406 856	670 166	1 074 260	40 675
Wisconsin	—	682	238	28 024	679 713	23 118	45 212	490 475	1 523 352	2 227 905	3 734 573	103 024
Wyoming	2	48	14	1 025	22 895	906	1 781	18 875	49 283	80 205	128 100	2 611
322, PAPER MFG												
United States	—	5 868	3 975	574 274	22 311 971	440 096	935 795	15 187 973	70 300 235	80 189 518	150 295 890	8 595 133
Alabama	—	89	69	19 031	966 527	15 029	34 513	720 383	2 919 673	3 346 014	6 253 610	635 509
Alaska	2	1	c	D	D	D	D	D	D	D	D	D
Arizona	—	39	26	2 948	105 276	2 347	5 100	71 182	317 537	409 832	727 184	32 099
Arkansas	—	85	63	13 026	495 841	10 644	22 643	377 154	1 770 290	1 967 612	3 735 035	238 007
California	1	576	342	34 328	1 260 177	25 600	53 813	817 999	3 360 749	4 656 702	8 005 518	258 377
Colorado	1	55	31	3 054	105 395	2 375	4 930	69 597	309 059	388 055	691 907	23 773
Connecticut	—	90	61	6 069	238 369	4 660	9 904	158 381	1 005 189	835 816	1 839 440	35 339
Delaware	—	9	9	1 992	71 020	1 539	3 363	47 793	393 449	224 048	635 704	D
Florida	—	166	87	12 618	514 277	9 820	20 362	360 262	1 614 477	2 244 762	3 826 968	182 478
Georgia	—	211	156	27 190	1 077 199	21 268	46 012	764 894	4 131 298	4 623 694	8 718 775	693 057
Hawaii *	1	6	2	136	5 068	94	183	3 161	14 109	12 654	26 466	334
Idaho	—	9	6	1 979	87 220	1 588	3 264	65 374	291 407	325 336	613 265	23 379
Illinois	—	370	261	28 646	996 393	21 175	45 641	631 205	2 798 862	2 995 639	5 784 181	169 460
Indiana	—	167	127	13 272	431 035	9 828	20 359	275 865	1 187 960	1 592 515	2 746 920	90 557
Iowa	—	44	36	5 480	183 930	4 394	9 213	130 708	705 961	834 045	1 531 237	36 539
Kansas	—	37	25	3 220	101 688	2 422	5 199	69 416	208 495	338 070	544 885	23 010
Kentucky	—	92	68	10 559	369 968	8 249	18 178	256 479	1 319 388	1 721 868	3 012 099	409 536
Louisiana	—	53	43	10 891	477 072	8 685	18 880	339 521	1 882 556	2 374 765	4 281 305	208 743
Maine	—	34	26	13 801	665 786	11 040	25 051	493 718	2 065 768	2 386 378	4 460 440	241 627
Maryland	1	55	37	7 553	259 278	5 826	11 529	176 656	568 882	581 516	1 166 427	196 127
Massachusetts	—	231	164	19 166	703 674	13 773	30 381	425 251	1 943 203	2 107 136	4 007 380	151 376
Michigan	—	222	159	19 469	792 041	14 614	31 566	528 942	2 244 652	2 554 340	4 837 044	207 661
Minnesota	—	129	81	15 295	623 636	11 833	24 340	436 759	1 925 026	2 092 173	4 041 027	346 950
Mississippi	—	62	45	9 140	355 191	7 199	15 111	255 162	1 096 190	1 588 201	2 684 814	105 137
Missouri	—	136	93	12 783	413 785	10 266	20 845	294 023	1 371 608	1 597 503	2 993 140	90 510
Montana	—	4	3	f	D	D	D	D	D	D	D	D
Nebraska	—	19	14	1 426	49 487	1 135	2 385	32 845	126 239	170 472	295 457	14 599
Nevada	—	17	8	595	21 672	435	928	13 099	82 145	84 207	164 133	10 935
New Hampshire	—	40	26	3 822	142 190	2 839	5 879	93 586	500 592	384 669	882 411	34 603
New Jersey	1	256	161	16 982	614 284	12 760	26 527	382 088	1 500 815	1 678 996	3 180 232	114 436

See footnotes at end of table.

Table 1–2. Industry Statistics for Subsectors by Selected States: 1997—Con.

[For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
322, PAPER MFG—Con.												
New Mexico	3	12	4	517	15 642	444	657	10 996	31 295	48 305	80 605	7 220
New York	1	401	235	26 776	966 821	20 430	42 040	624 691	2 357 257	2 728 857	5 090 569	309 951
North Carolina	—	196	148	21 414	826 379	16 477	34 934	561 129	2 169 990	2 988 799	5 161 755	388 379
Ohio	—	374	259	29 936	1 127 279	22 507	49 069	739 266	3 181 689	3 584 654	6 773 842	375 821
Oklahoma	—	45	26	4 223	164 997	3 289	6 540	119 450	687 757	583 806	1 275 305	110 901
Oregon	—	60	39	7 854	361 797	6 211	12 526	256 755	1 184 457	1 460 182	2 664 935	116 866
Pennsylvania	—	326	230	32 241	1 194 219	24 350	50 629	799 774	4 782 011	4 469 273	9 202 820	445 112
Rhode Island	2	41	27	1 836	59 034	1 349	2 680	36 459	145 423	137 717	284 676	8 741
South Carolina	—	102	73	14 636	586 227	11 410	24 564	411 794	2 621 638	2 263 320	4 892 572	411 605
South Dakota	—	9	9	695	20 027	563	1 154	13 074	65 418	87 446	151 151	4 311
Tennessee	—	155	120	17 821	617 022	13 724	29 323	413 579	1 683 378	2 231 828	3 897 793	237 999
Texas	—	298	186	22 106	808 960	16 810	36 404	554 167	2 714 620	3 122 230	5 810 603	221 415
Utah	—	32	21	2 724	87 360	2 126	4 840	62 722	482 562	314 183	781 892	43 301
Vermont	1	16	11	1 735	58 952	1 371	2 948	41 150	172 017	211 712	382 141	25 068
Virginia	—	105	80	15 747	631 850	11 873	26 102	425 119	1 937 085	2 404 623	4 319 092	358 385
Washington	—	119	81	15 015	691 029	11 622	23 591	501 712	2 219 921	2 568 941	4 773 878	320 547
West Virginia	—	15	10	777	23 737	616	1 234	16 264	62 194	68 163	129 747	1 550
Wisconsin	—	252	185	42 696	1 887 622	32 719	68 819	1 267 912	5 934 172	6 614 187	12 513 992	618 743
323, PRINTING & RELATED SUPPORT ACTIVITIES												
United States	2	42 863	8 209	834 404	26 022 991	607 637	1 164 310	16 336 416	58 392 618	39 219 976	97 485 138	5 052 110
Alabama	3	510	74	7 331	196 317	5 262	9 576	119 726	404 672	349 550	756 269	33 264
Alaska	4	57	5	448	12 564	330	590	8 403	27 153	13 359	40 527	2 076
Arizona	1	703	113	9 222	245 125	6 624	12 082	152 741	532 468	318 230	851 371	54 813
Arkansas	1	285	48	4 759	129 215	3 542	6 564	84 092	320 475	206 813	522 060	34 466
California	2	5 434	947	85 820	2 700 798	61 711	117 695	1 639 650	5 915 020	3 965 297	9 890 895	477 129
Colorado	2	871	115	11 655	327 799	7 783	14 642	192 824	823 171	493 251	1 316 708	51 652
Connecticut	2	676	153	13 112	473 457	9 390	18 933	293 599	1 011 810	665 244	1 675 624	66 739
Delaware	4	83	12	928	28 027	634	1 145	16 962	49 688	27 516	77 344	4 794
District of Columbia	1	113	22	1 781	68 512	1 305	2 550	45 867	108 364	100 005	208 387	5 736
Florida	3	2 361	311	27 538	741 866	19 888	35 409	458 899	1 654 322	1 135 194	2 786 884	138 751
Georgia	2	1 207	228	22 225	679 931	15 771	29 833	411 929	1 589 472	1 082 723	2 670 480	112 282
Hawaii	1	123	19	1 736	42 452	1 072	2 010	27 109	80 317	59 396	140 213	9 658
Idaho	3	176	20	2 431	50 328	1 684	3 141	31 953	123 196	68 740	191 583	10 033
Illinois	2	2 399	547	59 368	2 091 157	43 488	87 235	1 301 712	4 623 131	3 254 851	7 848 668	369 847
Indiana	1	859	202	22 249	645 042	16 704	32 732	427 278	1 476 248	1 245 723	2 723 546	112 986
Iowa	2	451	114	11 621	327 788	8 602	15 712	211 015	759 836	580 275	1 336 157	62 080
Kansas	1	434	103	12 963	372 897	9 526	18 487	234 140	933 330	733 560	1 660 322	61 976
Kentucky	—	448	107	14 664	424 321	11 754	22 364	306 583	958 595	595 499	1 547 117	75 865
Louisiana	2	400	56	4 112	98 742	2 898	4 852	59 160	198 627	141 849	338 253	18 100
Maine	1	192	26	2 757	68 356	2 134	3 932	49 109	152 301	132 358	284 361	10 167
Maryland	2	803	196	17 366	604 439	13 084	25 341	384 364	1 233 213	783 609	2 015 819	142 618
Massachusetts	2	1 161	251	22 944	793 079	16 696	33 154	498 295	1 673 307	1 026 828	2 705 660	120 902
Michigan	1	1 488	261	25 393	790 173	18 155	34 469	475 841	1 819 302	1 191 719	3 007 483	124 384
Minnesota	1	1 022	271	35 837	1 169 939	24 678	48 001	689 724	2 611 215	1 709 347	4 319 361	220 198
Mississippi	—	214	33	4 235	112 735	3 366	6 300	79 441	299 478	225 731	524 894	23 001
Missouri	1	1 009	212	21 975	683 059	16 222	30 750	425 506	1 561 938	1 035 623	2 589 403	105 137
Montana	3	103	11	897	17 801	641	1 016	11 866	34 643	22 153	56 704	3 014
Nebraska	1	277	49	5 481	153 500	4 001	7 150	92 818	366 259	234 338	600 363	31 772
Nevada	5	208	32	2 935	84 916	2 211	4 104	55 418	234 477	209 443	444 413	23 742
New Hampshire	5	253	50	5 069	156 821	3 592	6 875	92 129	359 841	284 370	647 266	28 333
New Jersey	3	1 659	329	31 960	1 184 672	22 869	44 586	736 655	2 406 467	1 558 813	3 963 585	172 641
New Mexico	3	183	17	1 420	30 420	1 020	1 632	19 252	64 874	53 905	119 559	4 888
New York	3	3 003	560	50 140	1 674 814	36 264	70 389	1 050 036	4 134 403	2 227 431	6 359 744	589 062
North Carolina	1	1 157	213	19 830	588 316	14 603	27 713	371 997	1 330 442	871 120	2 213 871	128 918
North Dakota	2	84	14	903	19 804	671	1 146	13 082	43 320	21 630	64 906	3 303
Ohio	1	1 832	410	42 684	1 319 204	30 610	59 589	806 418	3 053 691	1 846 493	4 888 698	230 666
Oklahoma	3	466	56	5 710	143 851	4 206	7 433	92 585	320 964	252 367	564 348	24 618
Oregon	1	619	99	8 767	268 637	6 399	11 789	170 970	587 033	412 172	997 193	44 871
Pennsylvania	1	1 793	420	51 322	1 628 628	37 594	73 603	1 055 563	3 764 162	2 469 106	6 222 343	334 891
Rhode Island	4	224	40	3 269	102 486	2 264	4 210	61 853	223 808	151 028	375 773	19 968
South Carolina	2	455	73	7 205	195 030	5 248	9 658	122 957	439 824	388 999	823 365	33 030
South Dakota	1	95	17	1 384	29 744	1 073	1 859	19 950	76 172	46 756	122 684	4 946
Tennessee	1	868	203	25 008	754 359	19 767	39 599	512 559	1 646 413	1 216 050	2 852 975	145 993
Texas	2	2 685	460	42 972	1 247 869	31 496	58 364	774 812	2 870 865	1 846 261	4 704 332	213 811
Utah	2	309	83	7 775	240 294	5 510	10 207	124 205	554 671	421 044	975 713	31 924
Vermont	1	135	28	3 231	97 554	2 379	4 755	66 644	229 388	168 561	397 227	15 172
Virginia	1	888	165	20 779	635 022	15 247	28 893	433 556	1 393 259	1 074 624	2 464 973	205 565
Washington	2	857	135	11 735	357 586	7 935	13 996	208 415	726 131	412 978	1 140 940	53 337
West Virginia	1	130	15	2 277	56 233	1 802	3 233	40 857	97 206	108 464	204 203	66 779
Wisconsin	1	1 043	278	36 750	1 148 345	27 631	54 531	770 274	2 476 608	1 767 423	4 221 153	189 030
Wyoming	2	58	6	431	8 967	301	481	5 623	17 048	12 157	29 418	3 182
324, PETROLEUM & COAL PRODUCTS MFG												
United States	1	2 146	675	107 625	5 546 082	71 554	161 036	3 421 272	37 610 773	139 509 979	177 393 098	4 755 162
Alabama	1	33	17	2 208	88 876	1 624	3 340	56 516	419 742	1 272 402	1 698 677	38 822
Alaska	—	10	4	377	32 241	278	702	25 082	349 372	1 005 487	1 362 562	53 948
Arizona	5	22	1	298	11 684	210	444					

See footnotes at end of table.

Table 1–2. Industry Statistics for Subsectors by Selected States: 1997—Con.

[For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employ-ees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
324, PETROLEUM & COAL PRODUCTS MFG—Con.												
Hawaii *	3	4	3	f	D	D	D	D	D	D	D	38 747
Idaho	—	5	2	c	D	D	D	D	D	D	D	D
Illinois	—	93	34	5 414	274 343	3 370	8 546	159 664	1 961 488	7 500 105	9 445 672	222 770
Indiana	—	61	16	3 238	155 597	2 589	5 424	117 546	926 638	3 668 450	4 606 223	90 968
Iowa	2	16	4	166	5 331	117	251	3 226	37 265	70 873	110 337	1 090
Kansas	—	23	12	1 944	88 770	1 285	2 547	54 245	396 584	2 359 698	2 738 430	116 752
Kentucky	—	41	6	1 241	60 483	977	2 272	46 521	402 892	1 827 878	2 227 827	D
Louisiana	—	54	35	10 514	641 047	6 832	16 327	383 453	4 891 682	21 637 826	26 644 065	796 106
Maine	2	12	4	366	11 447	340	760	9 888	20 693	28 270	47 828	4 073
Maryland	1	40	6	1 066	42 838	565	1 267	20 640	256 321	236 378	494 267	11 591
Massachusetts	1	54	12	1 260	50 950	824	1 840	32 407	137 145	227 927	363 204	14 144
Michigan	1	68	19	1 785	84 821	986	1 973	38 853	317 557	916 432	1 235 369	26 663
Minnesota	—	29	12	2 083	108 260	1 490	3 403	75 375	860 032	2 592 580	3 451 225	41 184
Mississippi	—	30	10	1 965	89 769	1 306	2 785	56 631	786 050	2 116 018	2 899 815	110 002
Missouri	2	53	12	1 398	59 854	866	1 903	31 116	192 912	335 934	533 284	11 751
Montana	—	6	4	866	47 486	604	1 320	30 050	418 760	1 081 845	1 517 675	25 670
New Jersey	—	67	27	3 996	222 559	2 407	5 380	122 705	1 571 195	6 646 820	8 043 819	93 217
New Mexico	—	13	5	f	D	D	D	D	D	D	D	D
New York	1	152	25	1 742	80 433	1 229	2 540	49 393	291 757	512 405	800 619	22 490
North Carolina	—	32	5	764	24 753	531	1 042	16 256	120 606	191 181	311 487	5 867
North Dakota	—	2	1	c	D	D	D	D	D	D	D	D
Ohio	—	179	43	5 605	253 939	3 500	7 301	131 875	1 029 462	5 224 001	6 254 390	106 221
Oklahoma	1	44	13	2 463	109 587	1 645	4 060	70 154	680 048	3 635 002	4 319 595	68 969
Oregon	5	22	12	769	32 534	535	1 131	19 994	127 077	216 899	346 384	14 971
Pennsylvania	—	165	52	7 329	362 733	4 987	11 686	233 439	1 737 673	7 711 989	9 447 025	593 616
South Carolina	—	21	5	e	D	D	D	D	D	D	D	D
Tennessee	—	51	15	1 291	47 943	822	1 699	28 167	195 354	1 737 868	1 938 611	40 948
Texas	2	192	82	21 346	1 216 796	14 426	32 761	769 450	8 871 898	37 026 272	46 220 904	1 022 481
Utah	—	18	8	1 555	73 397	1 196	2 583	51 080	454 902	1 357 755	1 806 997	47 036
Virginia	—	20	5	605	25 953	335	727	13 308	126 100	436 998	560 125	13 411
Washington	—	31	16	2 185	115 743	1 320	3 195	64 959	820 860	4 573 547	5 393 828	83 370
West Virginia	—	14	7	465	16 882	318	489	11 456	58 897	295 241	370 939	3 095
Wisconsin	1	18	5	418	18 220	237	446	10 197	71 119	323 639	402 337	6 834
Wyoming	1	13	8	871	42 632	621	1 439	29 161	157 220	1 121 574	1 281 146	20 136
325, CHEMICAL MFG												
United States	—	13 474	5 729	882 645	39 835 717	512 152	1 068 966	19 192 170	224 684 500	192 199 632	415 616 508	21 669 251
Alabama	1	207	87	15 486	690 616	10 520	22 905	399 236	3 661 304	3 562 843	7 191 263	590 366
Alaska	—	6	3	e	D	D	D	D	D	D	D	D
Arizona	—	173	51	6 660	190 070	4 785	9 203	104 879	1 384 844	662 358	2 032 804	63 481
Arkansas	1	117	44	7 314	273 661	4 892	9 920	161 536	1 731 771	1 317 073	3 013 494	213 494
California	1	1 542	565	62 544	2 704 402	34 704	69 122	1 044 920	11 347 201	8 030 974	19 302 951	968 580
Colorado	1	176	51	6 710	281 671	4 148	8 072	146 227	1 732 835	1 059 452	2 820 750	108 512
Connecticut	1	165	76	16 982	1 042 672	4 756	10 122	187 005	3 439 648	2 177 238	5 573 541	366 133
Delaware	—	51	34	6 854	312 103	4 239	9 053	159 970	2 247 107	1 937 863	4 102 749	116 271
Florida	1	574	177	20 037	771 357	12 910	27 229	440 040	3 822 295	4 824 761	8 637 766	310 947
Georgia	—	478	224	23 470	870 283	14 446	29 974	453 121	5 520 911	5 645 043	11 149 130	452 826
Hawaii *	7	17	3	159	4 735	89	135	2 103	11 649	11 874	23 581	1 881
Idaho	—	45	13	2 979	102 238	1 950	4 327	66 883	422 564	484 909	904 130	49 344
Illinois	—	744	370	54 214	2 580 357	28 702	59 506	1 110 727	11 931 644	10 210 942	21 924 339	1 097 870
Indiana	—	309	146	23 966	1 197 630	13 569	26 860	562 282	9 026 629	5 169 103	13 718 587	588 821
Iowa	—	125	54	6 925	266 462	4 339	8 803	152 712	3 594 410	1 758 134	5 297 152	329 634
Kansas	1	127	60	6 625	265 942	4 016	8 204	129 688	1 499 477	1 432 049	2 924 405	157 737
Kentucky	—	171	82	14 064	646 867	8 646	19 358	373 598	3 535 564	3 900 800	7 448 736	276 488
Louisiana	—	263	133	27 638	1 560 482	17 195	39 121	910 765	10 965 939	14 519 923	25 357 205	1 914 028
Maine	4	50	13	1 808	68 769	723	1 384	19 693	201 391	153 581	355 868	16 814
Maryland	1	169	79	13 635	579 229	7 311	15 659	268 937	2 723 379	2 205 274	4 917 102	200 895
Massachusetts	1	359	161	21 835	1 020 887	11 726	24 483	433 627	3 540 265	2 876 050	6 423 322	392 339
Michigan	—	433	177	31 986	1 509 009	17 131	33 033	679 224	5 427 176	5 297 097	10 755 824	837 475
Minnesota	1	238	82	8 678	351 105	4 946	9 871	160 152	1 652 103	1 159 761	2 811 448	128 858
Mississippi	1	114	50	7 685	292 665	5 265	11 501	173 191	1 547 779	1 943 905	3 489 205	337 493
Missouri	—	362	149	20 340	793 099	11 878	24 473	394 025	7 092 003	3 315 416	10 368 959	300 096
Montana	2	49	6	480	15 364	362	692	10 495	70 035	129 065	200 131	4 342
Nebraska	—	67	26	2 765	116 675	1 918	4 051	66 340	1 194 217	557 936	1 840 901	70 737
Nevada	1	68	15	1 161	42 492	779	1 542	26 533	182 630	194 361	386 665	25 170
New Hampshire	3	55	23	1 803	69 691	966	1 905	32 294	204 794	224 922	428 873	30 479
New Jersey	1	789	433	60 489	2 979 603	32 431	66 963	1 179 358	17 351 295	11 320 327	28 731 148	1 009 264
New Mexico	2	41	12	1 038	32 936	659	1 253	19 717	107 898	81 224	197 824	26 154
New York	1	631	254	64 997	2 838 569	35 853	80 162	1 298 982	12 644 707	7 784 355	20 488 765	1 112 674
North Carolina	1	424	193	39 653	1 533 397	25 927	53 647	833 066	13 965 701	8 388 896	22 190 721	587 869
North Dakota	5	13	1	c	D	D	D	D	D	D	D	D
Ohio	—	712	369	46 765	1 968 967	26 888	55 599	998 053	10 824 892	10 364 690	21 114 770	813 893
Oklahoma	1	126	43	3 855	146 922	2 551	5 583	88 181	1 705 937	949 890	2 657 298	105 560
Oregon	1	160	54	3 787	138 461	2 197	4 158	63 142	581 232	566 286	1 147 150	80 049
Pennsylvania	—	619	279	33 661	1 591 884	19 500	39 817	759 081	11 281 224	8 299 617	19 594 368	922 777
Rhode Island	1	68	20	2 700	124 564	1 601	3 478	54 276	299 858	310 533	641 965	21 454
South Carolina	—	254	135	38 471	1 691 822	21 799	43 169	822 604	7 407 105	5 656 792	12 973 833	943 643
South Dakota	3	23	7	659	18 871	343	579	6 841	76 722	65 232	142 221	7 409
Tennessee	—	288	126	34 184	1 516 826	19 462	39 912	726 017	5 874 008	4 178 783	10 115 093	611 157
Texas	—	1 113	470	78 490	4 039 076	48 412	105 577	2 220 224	28 267 182	38 812 430	66 996 727	4 247 421
Utah	1	120	43	5 520	172 753	3 319	6 044	84 010	686 125	594 824	1 267 454	92 549
Vermont	2	18	8	475	14 444	293	513	6 230	40 428	44 267	84 813	D

See footnotes at end of table.

Table 1–2. Industry Statistics for Subsectors by Selected States: 1997—Con.

[For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
325, CHEMICAL MFG—Con.												
Virginia	—	184	76	20 246	878 650	14 111	30 051	539 917	5 377 349	3 760 069	9 078 754	407 884
Washington	—	230	70	5 558	256 202	3 154	7 154	115 145	965 184	527 457	1 891 543	93 475
West Virginia	—	73	43	13 364	690 763	8 820	18 742	426 025	4 095 021	2 881 173	7 012 772	461 429
Wisconsin	—	307	133	12 425	496 549	6 913	13 774	227 099	2 888 523	1 990 495	4 896 475	129 481
Wyoming	—	23	6	992	52 499	694	1 663	35 124	414 311	292 750	708 132	26 294
326, PLASTICS & RUBBER PRODUCTS MFG												
United States	1	16 821	8 642	1 023 060	29 804 904	805 689	1 607 820	19 828 676	81 349 082	77 994 466	159 161 346	7 836 663
Alabama	—	216	111	20 044	646 982	16 129	30 997	469 673	1 676 272	1 664 061	3 350 507	160 633
Arizona	1	238	99	8 276	212 130	6 324	12 404	138 669	540 148	527 058	1 067 066	51 841
Arkansas	—	182	101	14 395	397 981	11 453	22 020	285 802	1 202 675	1 266 826	2 467 642	94 438
California	2	1 986	933	88 819	2 549 059	68 798	134 231	1 518 768	6 895 925	5 978 708	12 848 337	593 188
Colorado	1	237	79	7 087	215 841	5 077	9 821	121 222	593 312	533 651	1 123 990	52 692
Connecticut	1	257	122	11 088	356 742	7 939	16 960	213 625	870 413	711 845	1 574 646	78 153
Delaware	1	54	30	3 145	105 670	2 318	4 725	61 759	411 904	358 109	779 246	42 516
Florida	2	703	251	20 064	487 536	15 556	28 844	310 586	1 313 096	1 239 820	2 547 495	114 915
Georgia	—	431	244	26 666	737 992	21 523	44 627	514 927	2 358 158	2 580 371	4 920 505	232 374
Hawaii *	3	18	4	251	6 335	190	295	4 255	13 630	11 052	24 618	D
Idaho	—	61	17	1 543	30 753	1 284	2 103	19 817	77 378	59 140	143 508	4 354
Illinois	1	960	543	68 382	2 126 661	53 967	112 123	1 426 472	5 784 341	5 603 586	11 390 617	543 383
Indiana	1	634	408	54 432	1 474 225	44 579	89 378	1 038 818	3 683 660	3 558 922	7 255 451	427 447
Iowa	—	194	108	15 340	459 327	12 747	25 744	342 757	1 293 704	1 253 638	2 532 157	141 830
Kansas	1	149	77	13 140	404 764	10 942	19 945	278 082	1 269 289	1 177 417	2 427 057	78 729
Kentucky	—	220	143	19 378	520 360	15 542	31 255	377 115	1 526 205	1 747 326	3 297 607	157 596
Louisiana	1	122	46	4 792	124 879	3 742	7 760	82 918	351 586	351 586	756 190	51 693
Maine	3	50	25	3 327	95 484	2 490	4 645	61 686	257 815	262 271	516 799	25 848
Maryland	1	141	67	8 869	247 816	7 014	13 515	163 163	753 459	661 351	1 409 296	86 448
Massachusetts	1	455	236	23 177	786 504	17 589	35 674	477 908	1 953 553	1 711 779	3 661 594	164 506
Michigan	1	938	532	67 107	1 923 148	51 783	103 168	1 229 061	4 820 582	4 615 902	9 450 462	469 569
Minnesota	1	404	184	19 983	596 371	14 747	29 049	356 509	1 533 363	1 277 886	2 800 169	150 726
Mississippi	1	171	99	12 004	314 226	10 100	20 068	239 003	849 677	1 073 950	1 923 585	90 100
Missouri	1	358	189	20 781	544 732	16 760	31 827	357 183	1 743 627	1 472 011	3 214 828	199 740
Montana	4	32	3	236	5 153	190	304	3 323	11 280	12 591	23 820	D
Nebraska	1	80	42	6 667	201 641	5 579	11 426	151 838	458 122	439 863	890 321	48 172
Nevada	2	97	40	3 009	82 951	2 376	4 953	58 419	218 622	281 011	495 110	19 528
New Hampshire	1	110	61	6 644	201 708	5 273	10 847	140 587	475 954	445 128	918 092	36 565
New Jersey	2	607	336	32 981	997 709	25 205	51 684	619 081	2 399 552	2 312 269	4 697 590	201 782
New Mexico	3	31	8	624	15 756	482	863	9 438	39 056	42 375	81 950	D
New York	2	742	373	37 885	1 064 397	29 039	55 345	661 415	2 781 380	2 412 535	5 189 834	237 885
North Carolina	—	525	312	45 187	1 323 740	36 504	71 631	921 012	3 901 267	3 613 482	7 494 083	359 902
North Dakota	1	31	10	841	19 098	632	1 214	12 907	51 672	55 842	105 664	9 836
Ohio	1	1 194	700	92 718	2 707 009	72 765	148 353	1 812 137	6 722 255	6 735 268	13 438 485	726 797
Oklahoma	—	178	68	13 501	461 374	11 507	22 055	354 732	1 349 204	1 337 767	2 693 754	93 669
Oregon	1	247	81	8 112	212 875	6 209	11 463	131 357	548 571	576 878	1 120 255	39 617
Pennsylvania	1	773	444	49 524	1 509 061	38 763	77 836	995 509	4 103 262	3 847 956	7 895 252	447 276
Rhode Island	1	109	53	5 252	161 784	3 832	7 633	99 779	432 364	332 380	760 727	76 437
South Carolina	—	246	132	22 947	749 384	18 675	38 164	548 032	2 207 234	2 373 227	4 638 392	231 323
South Dakota	—	37	14	1 470	32 215	1 234	2 119	22 336	112 285	90 326	203 761	6 899
Tennessee	—	389	227	35 049	1 021 012	28 179	58 829	723 199	2 783 717	3 047 513	5 822 959	248 006
Texas	1	1 025	484	53 923	1 485 950	42 380	86 142	990 664	4 489 879	4 571 740	9 026 461	399 546
Utah	2	140	52	4 132	106 191	3 192	6 189	70 187	275 531	255 300	530 450	22 553
Vermont	4	40	21	1 857	53 956	1 440	2 818	34 997	134 428	127 066	262 820	D
Virginia	—	194	115	21 726	678 163	17 254	33 966	472 040	2 436 453	1 921 257	4 331 177	193 683
Washington	1	268	120	11 604	322 101	8 799	17 663	210 184	796 329	816 293	1 606 616	111 112
West Virginia	—	54	27	2 869	72 606	2 211	4 486	46 287	226 182	221 509	448 081	39 694
Wisconsin	—	460	267	31 816	944 692	25 122	50 195	645 537	2 539 184	2 407 891	4 957 595	256 928
Wyoming	—	9	3	e	D	D	D	D	D	D	D	D
327, NONMETALLIC MINERAL PRODUCT MFG												
United States	1	16 310	5 287	501 471	16 172 049	388 898	797 684	11 319 464	49 425 491	37 072 480	86 464 708	4 798 921
Alabama	—	298	107	9 008	272 525	7 098	14 209	187 718	927 459	766 821	1 672 621	73 348
Alaska	3	26	2	185	7 613	147	279	5 724	18 885	19 675	38 747	1 424
Arizona	1	259	99	6 913	194 113	5 042	10 068	130 092	624 282	486 808	1 101 267	60 114
Arkansas	—	211	58	4 443	118 078	3 433	6 805	83 925	381 926	330 672	714 186	34 940
California	1	1 563	525	42 677	1 407 482	32 799	66 393	985 163	4 117 219	3 347 363	7 478 844	344 419
Colorado	1	270	96	8 706	283 279	6 840	14 323	203 753	741 409	588 544	1 317 813	78 967
Connecticut	2	145	39	2 726	99 870	1 948	4 150	61 555	263 616	223 333	493 245	18 099
Delaware	4	39	13	813	27 119	635	1 349	18 684	76 383	104 190	180 308	6 899
District of Columbia	1	3	2	1 07	4 466	62	145	2 432	8 341	17 395	25 771	1 374
Florida	1	891	257	20 609	606 573	15 463	33 095	414 251	1 743 205	1 800 669	3 536 588	140 593
Georgia	—	597	198	18 138	584 278	13 764	28 649	400 453	1 972 157	1 586 376	3 567 198	181 171
Hawaii *	1	46	10	667	27 763	483	971	19 022	63 356	71 235	134 684	3 786
Idaho	1	88	26	1 359	37 596	1 061	1 898	26 563	82 830	87 585	169 926	8 886
Illinois	1	638	238	18 930	634 732	14 724	29 603	444 208	1 800 965	1 345 646	3 157 220	149 577
Indiana	—	466	175	18 476	620 547	14 643	30 533	449 962	1 735 790	1 475 313	3 238 553	159 299
Iowa	—	311	79	7 085	209 974	5 962	12 273	159 680	920 134	647 474	1 563 651	58 842
Kansas	1	208	66	5 793	188 249	4 693	9 468	140 928	656 655	418 931	1 078 570	120 220
Kentucky	—	259	98	10 541	316 394	8 134	16 758	222 842	976 232	735 937	1 685 292	103 640
Louisiana	1	192	59	5 423	151 242	4 287	8 307	106 543	391 850	388 010	776 354	32 112
Maine	2	107	22	1 305	35 299	897	1 803	21 631	86 243	76 950	162 017	6 655
Maryland	—	186	71	5 630	190 122	4 314	9 065	134 241	516 557	396 674	911 916	38 072
Massachusetts	1	276	79	8 498	327 046	5 844	11 676	171 528	723 600	526 404	1 246 852	93 259
Michigan	1	565	174	17 795	705 622	13 027	27 477	461 122	2 092 841	1 668 537	3 772 955	211 349
Minnesota	1	323	97	12 979	438 920	9 563	19 354	276 261	1 354 930	926 661	2 270 396	106 990
Mississippi	1	179	46	5 038	127 244	4 075	8 133	92 238	353 983	369 172	718 564	34 963

See footnotes at end of table.

Table 1–2. Industry Statistics for Subsectors by Selected States: 1997—Con.

[For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
327, NONMETALLIC MINERAL PRODUCT MFG—Con.												
Missouri	1	426	132	11 175	344 367	8 591	16 847	243 652	1 025 792	752 246	1 775 661	109 655
Montana	1	82	16	1 071	33 391	861	1 610	23 626	93 995	71 590	166 311	6 758
Nebraska	1	131	32	2 446	65 878	1 976	3 746	46 901	213 159	184 747	404 047	15 366
Nevada	1	103	50	3 895	139 372	2 959	6 287	102 742	436 810	342 940	779 329	30 857
New Hampshire	1	83	23	2 143	73 385	1 607	3 264	46 973	224 512	160 505	383 895	9 447
New Jersey	1	359	147	14 413	506 535	11 048	22 846	354 676	1 305 483	853 128	2 138 852	101 915
New Mexico	1	135	34	2 507	71 069	1 895	3 678	50 683	199 836	176 719	373 251	17 807
New York	1	708	202	20 327	704 562	15 053	30 560	460 256	2 165 908	1 407 955	3 582 343	268 158
North Carolina	1	554	175	22 447	662 990	18 124	37 586	479 084	2 626 946	1 345 641	3 966 346	299 370
North Dakota	2	53	9	606	17 510	507	988	13 182	31 550	34 038	66 128	3 595
Ohio	1	837	348	37 636	1 263 470	29 617	60 851	894 960	3 860 977	2 507 484	6 351 045	343 100
Oklahoma	1	253	65	8 043	248 663	6 534	13 806	191 471	749 099	490 896	1 240 643	68 548
Oregon	1	248	58	4 727	152 881	3 580	7 111	105 179	417 094	354 128	769 665	36 968
Pennsylvania	1	817	289	33 218	1 113 061	26 107	53 730	800 370	3 536 017	2 535 761	6 074 014	443 930
Rhode Island	1	51	8	1 122	37 545	880	1 810	27 838	103 657	59 546	162 365	7 109
South Carolina	2	209	82	9 681	316 872	7 625	16 658	227 074	1 131 243	725 213	1 853 894	117 700
South Dakota	1	68	12	1 172	36 342	889	1 825	21 811	85 472	68 951	153 759	9 619
Tennessee	1	364	135	14 036	466 276	11 292	24 229	350 574	1 316 581	988 723	2 297 545	106 682
Texas	1	1 180	367	34 336	999 413	27 361	56 703	735 325	3 420 388	2 752 883	6 189 745	294 452
Utah	1	132	50	4 163	120 709	3 223	6 316	88 181	339 532	293 174	631 496	116 055
Vermont	2	126	26	1 813	55 456	1 352	2 690	38 083	122 397	86 108	210 485	10 012
Virginia	1	350	132	12 114	341 601	9 304	18 979	233 090	944 602	779 270	1 727 436	85 245
Washington	1	332	99	7 651	253 191	6 031	12 072	181 727	698 884	584 273	1 292 468	65 094
West Virginia	1	141	45	5 725	160 392	4 730	9 013	116 710	449 996	232 217	680 396	30 714
Wisconsin	1	384	106	10 492	348 095	8 278	16 499	247 343	1 209 486	812 876	2 030 125	124 958
Wyoming	—	38	9	668	22 877	536	1 196	17 434	85 227	65 093	149 926	6 818
331, PRIMARY METAL MFG												
United States	—	5 059	3 077	605 085	23 811 233	479 552	1 024 675	17 354 552	68 749 487	99 343 265	168 117 728	6 515 752
Alabama	—	134	91	23 512	882 611	18 672	40 862	642 428	2 141 587	3 956 376	6 251 116	314 982
Arizona	—	59	30	7 037	246 120	5 566	11 702	175 921	660 011	1 460 130	2 165 497	80 337
Arkansas	—	50	41	8 622	318 587	7 144	15 122	249 359	1 371 572	2 290 692	3 679 561	114 354
California	—	464	236	24 145	832 106	19 206	40 448	562 727	2 480 371	3 613 533	6 074 772	214 631
Colorado	—	34	16	2 416	89 419	1 991	4 508	68 199	242 013	340 090	582 066	14 987
Connecticut	—	93	54	6 137	250 788	4 700	10 251	166 716	653 300	932 336	1 572 490	38 537
Delaware	—	7	5	738	31 633	560	1 174	21 673	80 151	128 743	206 989	8 422
Florida	—	103	43	5 196	160 476	4 023	8 404	110 704	495 121	621 281	1 089 949	61 960
Georgia	—	72	43	6 879	214 494	5 523	11 834	149 128	596 058	1 432 943	2 028 324	59 200
Idaho	1	12	3	149	4 081	123	190	2 632	8 528	12 269	20 823	D
Illinois	—	324	209	38 559	1 486 398	30 732	66 302	1 083 275	4 134 141	6 754 516	10 869 360	304 223
Indiana	—	246	185	62 868	2 961 267	49 769	108 682	2 244 267	8 423 403	10 917 627	19 244 981	999 927
Iowa	—	67	44	9 476	390 866	7 668	15 849	296 785	1 249 503	1 451 875	2 712 316	91 191
Kansas	—	45	18	2 444	74 430	2 090	4 229	54 966	172 938	156 450	329 587	16 163
Kentucky	—	77	57	15 085	588 849	12 237	27 302	433 858	2 150 863	3 475 327	5 601 360	257 980
Louisiana	—	32	23	3 504	128 350	2 708	5 844	84 730	369 517	630 436	1 000 185	38 569
Maine	—	8	3	526	16 901	358	852	11 342	43 100	17 246	60 022	2 180
Maryland	—	34	15	7 399	361 838	5 833	12 805	279 574	1 357 082	1 039 011	2 399 749	140 080
Massachusetts	1	123	63	6 171	214 212	4 544	9 839	137 201	490 867	772 981	1 286 434	58 303
Michigan	—	331	214	37 473	1 555 543	29 587	64 432	1 160 292	4 031 742	4 977 286	9 000 918	362 486
Minnesota	—	86	56	7 067	256 128	5 557	11 943	173 636	553 024	574 906	1 132 379	58 507
Mississippi	—	35	24	4 261	119 939	3 516	7 637	91 533	381 950	573 228	947 955	44 838
Missouri	—	114	67	12 629	413 932	9 923	19 612	293 225	1 199 725	1 449 222	2 638 967	116 155
Montana	—	16	4	g	D	D	D	D	D	D	D	D
Nebraska	—	13	7	1 133	52 690	957	2 094	42 157	144 693	170 431	314 159	D
Nevada	—	17	8	1 461	48 988	1 127	2 259	32 565	259 642	232 698	493 332	10 518
New Hampshire	—	34	19	3 526	111 565	2 644	4 476	79 058	263 372	156 857	419 700	26 031
New Jersey	—	138	79	10 682	409 142	7 852	16 216	249 544	1 063 596	1 585 605	2 688 588	100 564
New Mexico	2	24	6	1 314	45 350	998	1 983	33 301	105 590	810 934	915 444	23 461
New York	—	206	103	16 392	668 989	11 960	25 966	448 932	1 636 781	3 784 429	5 441 049	207 814
North Carolina	—	77	49	7 512	253 716	6 014	12 588	178 215	794 299	1 175 057	1 927 936	67 404
North Dakota	2	2	1	c	D	D	D	D	D	D	D	D
Ohio	—	473	314	73 424	3 169 168	59 460	129 010	2 383 877	10 848 422	10 636 631	21 392 622	752 570
Oklahoma	—	65	38	5 053	153 602	4 099	8 848	118 243	416 013	537 480	959 049	30 210
Oregon	—	79	45	10 712	403 755	7 841	17 002	271 151	990 631	1 208 922	2 155 658	34 420
Pennsylvania	—	417	304	62 520	2 560 796	48 775	102 018	1 851 643	6 239 732	10 709 489	16 867 030	611 026
Rhode Island	—	87	26	3 169	97 524	2 741	6 132	78 469	179 667	335 893	543 012	16 591
South Carolina	—	67	35	7 369	268 188	6 003	12 371	195 369	840 855	1 454 880	2 357 088	90 037
South Dakota	—	6	3	f	D	D	D	D	D	D	D	1 070
Tennessee	—	135	86	16 107	544 941	13 079	26 378	387 674	2 075 284	3 079 490	5 112 306	116 726
Texas	—	228	133	26 674	942 215	21 317	45 973	683 504	2 607 084	6 401 661	9 127 757	319 236
Utah	—	45	29	6 929	275 331	5 445	11 725	210 065	1 204 581	1 691 435	2 899 510	123 724
Vermont	—	3	2	e	D	D	D	D	D	D	D	D
Virginia	—	49	31	7 342	251 983	6 086	12 696	191 219	665 539	1 139 600	1 803 693	54 681
Washington	—	87	55	12 125	502 063	9 774	20 551	358 343	1 271 397	2 174 528	3 472 767	162 121
West Virginia	—	36	24	11 109	486 538	8 509	18 581	359 041	1 389 782	2 041 187	3 430 387	166 074
Wisconsin	—	194	134	25 951	896 975	20 974	44 243	657 322	2 297 730	1 949 843	4 244 368	172 084
Wyoming	4	8	2	c	D	D	D	D	D	D	D	544
332, FABRICATED METAL PRODUCT MFG												
United States	—	62 384	19 021	1 763 772	56 631 583	1 327 053	2 674 948	36 251 771	133			

See footnotes at end of table.

Table 1–2. Industry Statistics for Subsectors by Selected States: 1997—Con.

[For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
332, FABRICATED METAL PRODUCT MFG—Con.												
Colorado	1	795	171	15 163	476 683	11 489	22 789	307 456	1 176 350	1 019 293	2 180 303	99 547
Connecticut	—	1 518	474	44 254	1 679 636	32 222	68 504	1 017 345	3 691 083	2 172 753	5 872 048	231 257
Delaware	1	102	32	2 554	87 322	1 854	4 175	56 066	184 445	127 050	311 717	9 203
Florida	1	1 997	451	41 665	1 134 441	30 787	59 839	706 009	2 564 268	2 616 463	5 158 947	145 232
Georgia	—	1 114	338	32 687	940 190	25 093	49 852	608 673	2 322 427	2 550 022	4 874 135	199 228
Hawaii *	1	46	8	481	16 049	332	622	10 042	38 085	48 516	85 587	922
Idaho	1	231	47	3 913	115 805	3 011	5 522	74 826	241 666	142 746	383 281	18 853
Illinois	—	3 775	1 369	132 775	4 532 462	101 218	210 066	2 950 016	10 539 683	8 125 029	18 630 445	723 966
Indiana	—	1 891	739	68 472	2 129 888	53 051	107 071	1 434 599	5 575 774	4 944 592	10 489 479	407 607
Iowa	—	593	216	24 173	711 274	18 225	35 447	444 879	1 749 991	1 505 294	3 266 067	123 340
Kansas	1	592	175	13 934	399 742	10 247	19 948	244 657	944 358	797 069	1 730 235	58 971
Kentucky	—	729	262	26 746	803 270	20 565	41 328	536 596	2 101 543	2 299 744	4 376 829	255 095
Louisiana	—	672	199	20 340	621 708	16 067	33 346	434 160	1 362 764	1 297 261	2 593 149	84 361
Maine	1	242	59	4 844	150 595	3 539	6 509	91 928	361 963	269 314	629 957	28 837
Maryland	1	508	150	13 743	456 656	9 735	19 073	281 915	1 157 784	982 010	2 127 370	96 575
Massachusetts	1	1 762	526	47 409	1 763 405	33 702	68 611	1 033 361	4 280 766	2 132 878	6 382 339	392 329
Michigan	1	3 779	1 264	102 940	3 521 503	78 488	160 790	2 270 523	7 725 463	5 850 023	13 559 386	618 403
Minnesota	—	1 533	494	49 068	1 710 656	35 331	71 775	1 051 151	3 819 593	2 851 405	6 666 663	298 136
Mississippi	—	386	128	14 871	390 545	11 427	22 381	258 875	1 109 135	1 081 974	2 151 858	47 741
Missouri	—	1 167	355	35 501	1 056 062	26 133	51 495	670 002	2 509 860	2 030 848	4 551 466	157 390
Montana	2	122	11	1 195	28 555	907	1 506	19 219	60 920	57 717	115 865	3 622
Nebraska	—	276	80	9 576	265 286	7 272	14 211	184 309	690 760	702 941	1 377 440	37 851
Nevada	1	254	58	4 309	131 088	3 203	6 226	78 175	290 749	229 180	517 278	21 558
New Hampshire	1	453	122	12 889	419 275	9 876	19 514	277 446	919 912	526 819	1 456 138	63 320
New Jersey	1	1 804	480	38 887	1 413 048	27 695	58 725	835 020	2 888 999	2 351 543	5 263 291	156 621
New Mexico	1	233	40	2 866	77 271	2 227	3 916	49 969	148 483	100 265	244 649	9 901
New York	1	2 767	759	67 582	2 200 158	50 104	101 139	1 373 998	4 833 880	3 413 763	8 251 678	333 865
North Carolina	—	1 477	406	41 420	1 204 508	31 945	62 373	800 183	2 955 326	3 145 024	6 057 569	242 594
North Dakota	1	85	21	1 621	41 003	1 230	2 168	25 790	98 883	108 992	207 380	5 295
Ohio	—	4 321	1 501	142 493	4 778 054	108 192	219 240	3 177 628	11 485 646	10 424 721	21 922 678	817 182
Oklahoma	1	968	281	26 138	777 293	19 693	41 013	511 305	2 066 691	1 843 333	3 890 948	130 861
Oregon	1	929	240	18 442	586 668	13 923	27 366	378 107	1 346 172	1 074 542	2 394 300	106 298
Pennsylvania	—	3 174	1 085	103 042	3 328 409	77 595	154 343	2 123 346	7 811 393	6 679 491	14 463 314	530 291
Rhode Island	1	436	111	10 316	308 846	7 430	14 136	192 448	547 865	476 081	1 015 538	40 971
South Carolina	—	721	230	29 764	860 283	23 476	47 312	598 180	2 421 647	1 955 661	4 361 325	154 726
South Dakota	1	115	37	3 401	85 350	2 609	5 478	59 141	167 602	218 063	389 489	14 174
Tennessee	—	1 144	399	43 572	1 243 752	33 882	67 765	838 986	3 159 808	2 838 928	5 989 826	225 236
Texas	1	4 350	1 286	114 703	3 537 682	85 514	174 477	2 242 294	8 044 004	7 585 498	15 574 372	493 233
Utah	1	459	125	10 071	317 211	7 320	14 667	206 230	757 334	692 466	1 426 434	38 435
Vermont	—	113	30	3 207	110 408	2 174	4 542	61 720	256 786	183 781	437 763	12 909
Virginia	—	767	218	20 444	645 134	15 319	29 767	410 677	1 629 823	1 517 321	3 122 958	98 939
Washington	1	1 183	269	22 088	706 580	16 761	31 524	460 359	1 572 944	1 212 637	2 741 704	104 927
West Virginia	—	269	85	6 878	204 621	5 184	10 469	136 654	563 382	771 320	1 329 586	26 881
Wisconsin	—	1 968	726	74 284	2 382 053	56 578	112 040	1 553 916	5 884 507	4 248 111	10 119 698	423 248
Wyoming	1	82	11	824	23 586	632	1 096	16 619	52 370	70 513	122 283	5 631
333, MACHINERY MFG												
United States	—	30 599	11 210	1 420 512	53 012 226	936 047	1 895 580	29 106 922	137 934 706	133 291 232	270 687 165	8 835 703
Alabama	1	292	116	15 575	445 714	11 406	23 168	268 532	967 471	1 401 281	2 382 004	92 815
Arizona	1	315	92	10 558	310 217	7 340	13 681	171 689	890 373	733 266	1 617 536	61 344
Arkansas	—	254	93	17 056	449 633	12 992	24 176	285 930	1 431 901	1 651 310	3 065 460	68 794
California	1	3 093	949	103 765	4 074 151	61 496	122 257	1 831 759	9 733 590	9 177 662	18 770 711	887 363
Colorado	1	361	96	11 604	392 387	6 653	13 179	183 334	968 265	785 783	1 787 900	65 914
Connecticut	1	644	201	23 496	976 603	12 905	26 523	431 332	2 845 659	1 844 428	4 581 359	217 582
Delaware	—	33	8	2 430	101 261	917	1 940	26 407	183 870	219 498	409 573	13 576
Florida	1	954	266	26 514	900 058	15 892	31 658	412 869	1 868 133	1 642 824	3 506 740	133 993
Georgia	—	552	214	26 831	812 706	18 800	37 605	476 751	2 585 766	3 291 273	5 776 634	166 163
Idaho	3	129	30	2 776	89 316	1 914	3 864	51 764	229 103	156 937	377 581	21 665
Illinois	—	2 196	821	114 912	4 773 719	76 683	157 815	2 787 127	13 326 694	12 776 302	26 232 941	708 605
Indiana	—	1 064	425	50 578	1 850 255	36 182	73 156	1 154 727	5 194 471	5 449 856	10 661 357	325 160
Iowa	—	442	206	37 185	1 552 291	25 755	52 786	992 511	5 366 378	6 240 630	11 567 748	226 418
Kansas	—	347	154	20 980	702 526	14 349	28 552	396 108	1 660 941	1 863 719	3 524 664	119 363
Kentucky	—	370	157	25 459	832 154	17 757	35 297	472 287	2 319 720	2 510 749	4 836 667	111 964
Louisiana	1	227	88	7 572	255 566	5 322	10 554	154 157	627 696	578 397	1 195 951	45 573
Maine	—	95	31	3 041	99 096	2 170	4 694	64 128	286 261	159 002	443 161	13 814
Maryland	—	165	54	10 769	432 415	6 352	13 559	224 894	1 170 424	1 190 604	2 344 455	77 037
Massachusetts	2	834	317	33 325	1 460 335	18 686	37 520	642 450	3 213 464	2 662 014	5 884 570	225 612
Michigan	—	2 841	1 137	105 557	4 853 796	71 212	154 266	2 783 935	9 803 666	8 437 579	18 151 842	661 407
Minnesota	—	903	322	39 183	1 433 737	24 683	48 885	737 518	3 811 928	3 599 932	7 415 597	238 284

Table 1–2. **Industry Statistics for Subsectors by Selected States: 1997—Con.**

[For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
333, MACHINERY MFG—Con.												
Pennsylvania	1	1 528	623	73 097	2 743 960	47 034	93 476	1 506 948	6 794 594	5 762 599	12 577 701	408 934
Rhode Island	1	176	38	3 241	119 900	2 095	4 024	63 159	259 169	162 785	417 042	10 618
South Carolina	—	359	146	24 683	778 585	17 428	36 523	469 778	2 533 962	2 941 647	5 503 952	217 919
South Dakota	—	93	39	5 180	142 734	3 776	7 859	92 330	389 935	387 406	775 698	24 817
Tennessee	—	545	229	39 962	1 165 677	31 566	63 292	772 517	3 621 555	4 867 715	8 514 885	196 904
Texas	1	1 722	629	79 202	2 620 737	53 948	108 708	1 461 081	8 003 402	7 463 991	15 184 529	493 666
Utah	—	163	47	6 517	229 531	4 053	8 075	128 468	586 468	489 452	1 048 668	30 273
Vermont	1	90	35	3 574	122 601	2 461	4 685	72 091	276 079	183 862	456 449	17 954
Virginia	—	345	140	21 116	700 792	14 745	30 632	403 331	1 596 037	2 101 968	3 764 516	122 272
Washington	1	502	130	13 627	474 312	8 984	16 953	260 564	1 051 680	964 279	2 014 659	58 584
West Virginia	2	99	38	3 949	128 149	3 057	6 156	79 231	300 780	327 183	633 302	18 808
Wisconsin	—	1 257	550	85 466	3 359 845	55 252	111 214	1 894 527	8 355 559	7 769 615	16 103 482	542 854
Wyoming	2	33	6	609	17 700	474	942	11 310	40 021	34 605	74 934	1 752
334, COMPUTER & ELECTRONIC PRODUCT MFG												
United States	—	17 435	7 613	1 691 146	72 483 848	877 002	1 746 314	26 117 539	252 629 768	187 875 131	439 381 300	24 768 490
Alabama	—	140	62	20 481	656 037	10 563	21 903	259 043	2 026 633	3 666 829	5 645 523	138 535
Arizona	—	357	167	48 408	2 096 458	23 489	50 583	663 809	13 482 857	2 846 477	16 300 108	1 571 175
Arkansas	—	57	25	4 548	98 284	3 194	5 727	55 942	312 425	672 357	984 851	35 676
California	—	4 262	1 896	396 422	19 868 784	184 852	379 741	6 108 685	65 114 220	48 629 854	112 899 181	6 325 113
Colorado	—	429	155	40 649	1 816 822	20 491	39 809	584 012	6 245 825	5 340 186	11 539 099	792 105
Connecticut	1	398	183	23 906	992 418	12 999	26 224	415 297	2 460 284	1 764 602	4 206 841	161 102
Delaware	—	26	12	1 556	66 158	718	1 419	24 383	226 044	176 233	401 854	D
Florida	—	777	285	65 148	2 620 077	29 892	58 214	751 674	7 170 754	5 268 265	12 490 156	635 157
Georgia	2	265	98	20 169	717 742	12 545	25 137	319 438	2 195 147	2 546 699	4 722 414	134 920
Hawaii *	1	9	1	c	D	D	D	D	D	D	D	D
Idaho	—	57	29	16 797	793 150	10 839	14 050	359 458	2 484 157	4 984 453	7 423 868	1 053 189
Illinois	—	767	348	76 096	3 072 281	42 207	82 137	1 109 698	8 265 277	8 097 847	16 230 741	965 312
Indiana	1	262	125	28 054	874 645	19 546	39 548	479 816	2 123 249	2 594 077	4 713 882	152 381
Iowa	—	73	28	13 837	520 660	5 538	9 875	121 261	1 237 226	774 835	1 949 078	66 193
Kansas	1	113	41	6 167	203 971	3 437	6 971	75 692	495 860	348 390	814 535	31 395
Kentucky	—	75	38	10 355	399 265	5 475	10 994	112 742	1 129 383	1 294 311	2 390 189	55 654
Louisiana	—	67	19	2 203	93 794	1 413	2 391	47 828	214 976	291 930	503 542	36 192
Maine	—	50	26	5 770	201 695	4 437	8 953	117 934	468 194	435 932	943 981	30 281
Maryland	—	260	108	24 431	1 136 055	10 274	20 595	367 077	3 106 867	1 793 636	4 887 085	210 426
Massachusetts	1	926	478	104 896	5 055 939	48 007	97 695	1 730 527	15 857 503	9 034 611	24 806 161	1 184 926
Michigan	—	439	178	25 265	999 959	16 223	34 566	547 382	2 494 264	2 459 708	4 929 165	155 419
Minnesota	—	473	243	60 938	2 490 470	32 157	63 849	902 805	6 157 279	4 902 832	10 978 132	806 191
Mississippi	—	37	17	4 294	98 243	2 913	5 612	56 014	292 469	340 283	628 779	35 894
Missouri	—	174	72	13 601	429 928	8 300	15 762	192 757	2 107 875	786 497	2 920 967	171 017
Montana	4	30	6	e	D	D	D	D	D	D	D	D
Nebraska	—	56	25	6 796	201 966	4 982	9 003	125 465	634 972	433 017	1 056 042	47 977
Nevada	1	94	29	3 344	122 711	1 801	3 521	44 780	226 894	225 003	456 800	D
New Hampshire	—	260	113	22 629	895 183	14 487	28 228	461 913	4 780 009	3 463 448	8 256 523	213 526
New Jersey	1	643	279	39 301	1 777 227	21 669	42 721	742 409	4 063 163	2 641 597	6 776 170	293 354
New Mexico	—	71	26	11 024	409 692	7 650	16 986	241 287	11 103 830	894 556	11 965 111	354 398
New York	1	972	432	85 353	3 517 185	43 540	86 824	1 258 482	8 348 093	6 359 872	14 844 841	537 014
North Carolina	—	329	158	51 261	1 627 518	23 463	43 025	575 287	6 615 501	10 506 296	17 398 298	290 384
North Dakota	—	15	7	1 476	44 685	1 087	2 237	28 228	15 873	99 685	112 339	6 165
Ohio	—	520	227	34 986	1 251 213	21 551	42 129	591 582	3 943 606	3 193 889	7 196 850	260 449
Oklahoma	—	136	48	12 989	472 556	7 772	14 747	237 036	2 525 131	1 326 820	3 870 464	90 517
Oregon	—	310	121	37 728	1 644 739	23 381	51 027	873 569	10 897 149	4 167 533	14 996 224	1 961 997
Pennsylvania	1	812	371	61 266	2 298 684	36 428	72 333	1 035 910	8 347 557	4 450 291	12 778 837	530 001
Rhode Island	—	78	39	7 359	262 364	3 791	7 198	88 967	679 779	494 322	1 153 957	45 172
South Carolina	—	83	36	14 795	504 263	9 760	19 216	248 786	1 107 727	1 199 286	2 273 671	122 250
South Dakota	—	35	19	12 395	313 110	6 802	12 123	128 844	1 800 100	4 124 870	5 939 877	87 858
Tennessee	—	188	77	11 808	371 723	8 116	16 086	192 164	891 904	1 831 970	2 782 520	82 528
Texas	—	1 054	442	135 987	6 152 033	65 781	130 712	1 952 714	27 380 226	21 311 146	48 779 677	2 950 137
Utah	—	156	59	15 625	590 259	8 196	17 278	212 255	1 642 097	1 937 235	3 567 588	127 838
Vermont	—	52	16	i	D	D	D	D	D	D	D	D
Virginia	—	268	124	29 885	1 195 569	15 677	29 758	468 625	3 049 860	3 436 309	6 487 767	590 793
Washington	—	438	163	46 097	2 193 216	21 137	40 666	694 354	4 643 766	2 800 509	7 432 183	699 534
West Virginia	2	25	12	1 033	27 280	614	1 272	14 315	46 726	33 609	79 625	D
Wisconsin	—	294	144	23 431	804 389	14 406	27 109	372 152	2 470 629	2 133 963	4 623 140	158 293
Wyoming	2	15	4	f	D	D	D	D	D	D	D	D
335, ELECTRICAL EQUIPMENT, APPLIANCE, & COMPONENT MFG												
United States	—	6 930	3 312	593 802	18 972 741	432 273	860 344	11 368 753	57 215 610	54 987 295	112 116 267	3 598 750
Alabama	—	92	46	8 355	236 761	6 829	13 337	173 722	771 121	932 480	1 723 825	41 402
Arizona	—	88	28	4 228	127 917	2 804	5 708	68 416	398 543	478 263	910 071	28 527
Arkansas	—	75	55	16 214	415 999	13 363	27 574	312 477	1 276 948	1 510 824	2 809 280	54 576
California	1	956	406	41 341	1 469 433	27 239	53 886	691 749	4 011 481	3 256 706	7 193 072	245 374
Colorado	3	86	24	2 142	77 028	1 240	2 526	33 271	139 000	133 252	275 761	8 298
Connecticut	1	215	114	14 693	534 310	8 956	17 766	249 805	1 389 126	963 967	2 352 691	96 874
Delaware	—	10	6	794	31 057	366	797	13 760	95 923	72 161	167 271	7 165
Florida	1	280	101	11 348	324 526	7 818	14 216	171 617	789 762	620 542	1 417 333	93 755
Georgia	—	123	66	20 923	697 107	16 074	32 339	455 928	2 518 321	2 685 593	5 156 874	253 958
Idaho	2	27	9	578	16 638	335	686	6 706	35 173	24 684	60 879	D

See footnotes at end of table.

Table 1–2. Industry Statistics for Subsectors by Selected States: 1997—Con.

[For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
335, ELECTRICAL EQUIPMENT, APPLIANCE, & COMPONENT MFG—Con.												
Illinois	—	482	256	48 579	1 591 274	33 738	66 971	853 648	4 000 332	3 583 726	7 601 489	295 939
Indiana	—	182	114	21 728	681 986	17 600	34 030	495 634	2 025 019	2 010 371	4 027 930	90 567
Iowa	—	41	29	12 260	406 499	9 696	20 167	286 802	1 335 947	1 162 335	2 440 115	37 957
Kansas	—	60	24	4 986	161 437	3 972	8 271	118 947	518 696	612 349	1 132 157	58 837
Kentucky	—	84	50	18 122	625 534	15 327	29 946	490 824	1 850 496	2 191 500	4 043 861	131 791
Louisiana	1	46	22	2 412	80 097	1 679	3 409	54 599	207 283	198 148	408 645	6 966
Maine	—	20	12	1 116	36 358	779	1 547	21 031	109 620	78 148	188 186	6 724
Maryland	1	52	14	2 322	66 798	1 386	2 306	29 910	163 867	116 836	279 324	8 658
Massachusetts	1	228	122	17 178	617 001	10 858	22 347	296 125	1 606 976	1 376 716	2 982 316	109 116
Michigan	—	244	102	14 139	472 871	10 599	21 415	274 879	1 207 431	1 326 512	2 542 329	63 221
Minnesota	—	155	74	11 500	410 938	7 350	14 182	222 390	893 713	996 391	1 904 323	64 026
Mississippi	—	69	51	14 930	383 357	11 543	24 363	241 986	1 384 215	1 665 953	3 077 703	94 041
Missouri	—	135	81	18 803	501 069	15 117	28 805	344 524	1 549 583	1 551 898	3 100 766	119 723
Nebraska	—	23	13	4 334	149 203	3 436	6 721	112 523	631 226	459 827	1 083 905	28 439
Nevada	1	30	6	778	21 422	473	995	11 970	7 936	103 546	116 604	7 802
New Hampshire	—	55	32	5 558	174 700	3 907	7 863	105 300	571 437	448 193	1 010 505	50 599
New Jersey	1	269	118	10 696	338 814	7 719	14 907	200 138	868 915	707 484	1 575 727	36 702
New Mexico	—	25	6	1 001	28 347	730	1 563	17 153	80 386	91 637	172 060	D
New York	1	423	191	25 381	826 405	18 344	36 448	494 118	2 872 888	2 105 974	4 997 529	135 301
North Carolina	—	197	108	34 080	1 010 818	26 696	53 485	670 162	3 157 942	3 833 465	6 932 970	219 549
Ohio	—	393	211	46 970	1 568 428	33 858	67 397	950 648	5 313 158	4 037 518	9 415 016	229 192
Oklahoma	—	71	27	3 245	94 181	2 204	4 408	55 624	306 058	300 601	606 820	8 726
Oregon	1	73	20	2 109	80 105	1 292	2 639	39 090	249 422	222 163	464 720	9 019
Pennsylvania	—	379	191	28 922	940 506	20 295	42 092	567 684	2 778 632	2 458 728	5 243 701	175 214
Rhode Island	2	34	17	4 591	150 442	3 297	7 133	81 427	586 052	503 913	1 099 054	32 405
South Carolina	—	91	57	14 995	455 221	11 100	22 942	281 984	1 424 801	1 755 608	3 162 847	124 482
South Dakota	—	11	4	454	11 100	376	733	7 984	57 809	36 350	92 783	D
Tennessee	—	148	92	25 526	713 167	20 991	42 384	516 057	2 123 353	2 581 471	4 690 060	156 023
Texas	1	406	169	23 385	705 019	16 345	32 206	380 578	2 243 459	2 663 230	4 901 493	161 726
Utah	—	36	18	1 489	44 323	1 027	1 873	26 583	173 280	236 446	120 575	22 062
Vermont	—	20	10	1 373	48 091	969	1 906	26 980	100 316	113 163	217 124	15 025
Virginia	—	106	47	11 673	385 589	7 052	13 976	192 257	1 221 270	1 003 771	2 200 439	49 382
Washington	2	115	35	3 585	113 346	2 164	4 048	48 085	338 337	243 599	581 683	18 979
West Virginia	—	25	10	1 544	56 322	1 139	2 577	37 286	145 512	86 240	226 767	19 657
Wisconsin	—	216	124	33 290	1 088 186	24 097	45 289	634 429	3 677 350	3 438 071	7 103 064	176 042
336, TRANSPORTATION EQUIPMENT MFG												
United States	—	12 887	5 816	1 842 315	79 616 518	1 340 735	2 734 790	51 450 169	227 510 551	348 121 929	575 306 996	19 251 148
Alabama	—	218	99	26 211	1 074 094	21 084	41 423	791 458	2 209 405	2 709 660	4 912 012	170 490
Alaska	2	21	4	c	D	D	D	D	D	D	D	478
Arizona	—	226	87	29 838	1 438 746	14 467	31 670	411 557	4 592 542	3 414 598	8 228 987	193 229
Arkansas	—	153	65	15 477	391 610	12 393	25 218	278 521	1 168 036	1 723 823	2 934 333	63 330
California	—	1 691	639	163 558	7 470 200	91 582	177 060	3 084 714	16 576 249	17 615 672	35 058 848	1 493 638
Colorado	—	138	32	12 493	574 147	10 398	18 483	406 768	2 392 692	1 844 498	4 124 790	88 243
Connecticut	—	211	115	51 167	2 568 170	25 864	55 224	1 034 934	5 326 280	4 484 227	9 796 976	297 330
Delaware	—	14	6	4 280	278 051	3 818	8 870	238 479	281 885	1 623 495	1 874 347	D
Florida	1	759	205	37 179	1 288 759	24 553	48 959	612 599	4 369 341	2 578 727	6 752 841	174 362
Georgia	—	269	120	46 915	1 906 862	32 438	60 490	1 152 889	6 298 537	11 625 359	17 754 072	281 406
Hawaii *	3	24	6	400	13 418	328	585	10 306	26 088	21 138	47 327	816
Idaho	1	50	19	1 926	47 428	1 512	2 764	29 261	113 398	136 016	239 139	2 125
Illinois	—	450	238	60 549	2 308 869	46 495	90 318	1 577 280	7 082 346	11 749 639	18 848 245	652 505
Indiana	—	648	424	143 190	5 933 946	112 211	238 331	4 232 739	14 523 131	21 386 504	35 908 718	1 452 669
Iowa	—	168	93	18 508	526 040	14 828	29 077	366 402	1 316 426	1 529 495	2 848 475	72 812
Kansas	—	199	96	52 788	2 373 679	35 575	67 757	1 430 302	6 676 076	7 759 957	13 549 737	393 574
Kentucky	—	175	112	42 351	1 793 567	34 605	73 754	1 343 773	11 526 917	18 966 031	30 489 512	1 193 294
Louisiana	—	179	85	22 046	784 341	18 286	41 086	626 638	2 054 919	2 746 424	4 781 173	73 648
Maine	—	99	19	11 089	391 660	8 743	13 386	281 097	742 003	1 033 588	1 752 170	27 456
Maryland	—	108	38	9 458	367 307	6 959	13 258	228 546	1 316 173	2 867 128	4 184 414	53 877
Massachusetts	—	173	56	12 928	576 280	7 992	15 029	274 374	1 254 861	1 595 428	2 884 531	97 455
Michigan	1	096	685	267 437	13 468 844	223 017	468 163	10 748 926	39 092 611	69 913 855	109 058 033	4 877 315
Minnesota	—	192	72	14 034	426 661	10 840	20 231	294 483	2 246 839	2 732 688	4 919 417	116 042
Mississippi	—	127	72	25 479	694 630	18 536	36 521	451 946	1 675 999	1 949 146	3 658 993	100 902
Missouri	—	344	159	64 774	2 830 449	43 295	88 415	1 680 892	10 278 341	19 586 898	32 221 423	501 619
Montana	2	37	4	562	16 247	430	800	11 002	24 873	32 703	58 733	3 230
Nebraska	—	69	27	7 610	228 088	6 192	12 659	167 361	568 103	919 635	1 496 495	29 502
Nevada	3	59	13	1 608	44 609	1 224	2 132	30 195	96 110	54 493	150 225	5 440
New Hampshire	—	29	12	2 006	71 256	1 546	3 004	49 077	140 891	107 946	244 357	8 258
New Jersey	—	185	56	10 720	445 577	8 571	17 793	327 631	1 771 327	3 420 889	5 190 865	143 606
New Mexico	—	36	8	2 223	58 214	1 685	3 363	38 104	195 489	202 907	386 220	16 252
New York	—	403	157	43 629	2 106 601	32 434	68 860	1 462 711	4 647 807	6 640 853	11 416 041	397 897
North Carolina	—	315	133	32 597	1 089 080	25 784	52 312	787 765	3 602 898	5 149 013	8 683 941	248 023
North Dakota	6	35	13	2 559	65 918	2 004	3 527	40 656	210 885	347 313	537 529	14 769
Ohio	—	713	460	173 367	8 139 283	141 711	299 099	6 174 575	25 595 363	45 838 565	71 455 448	2 581 374
Oklahoma	—	211	98	20 291	647 787	16 215	31 309	447 245	1 588 903	3 009 279	4 606 563	75 632
Oregon	—	239	84	15 636	518 643	12 946	25 470	400 978	1 378 407	1 936 897	3 308 621	48 484
Pennsylvania	—	398	186	49 607	2 085 591	35 566	75 143	1 321 315	5 349 005	5 680 367	10 637 403	303 522
Rhode Island	1	56	17	1 143	32 990	808	1 594	21 955	61 578	79 603	138 331	5 255
South Carolina	—	157	93	22 321	767 807	17 165	35 190	519 945	2 729 114	4 089 855	6 770 460	310 830
South Dakota	—	34	18	2 121	55 523	1 702	3 342	36 975	193 349	184 935	378 173	18 070
Tennessee	—	308	175	56 005	2 068 745	44 599	87 574	1 486 517	6 356 054	12 350 637	18 648 094	908 126
Texas	—	805	295	73 566	3 100 223	45 653	90 450	1 564 553	7 280 596	7 566 745	14 658 225	449 427
Utah	—	98	27	17 829	611 158	14 674	26 773	441 101	2 065 295	1 823 738	3 899 887	82 448
Vermont	—	17	9	2 533	102 690	1 911	3 640	74 601	189 487	128 351	311 239	D

See footnotes at end of table.

Table 1–2. Industry Statistics for Subsectors by Selected States: 1997—Con.

[For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 em- ploy- ees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
336. TRANSPORTATION EQUIPMENT MFG—Con.												
Virginia	—	174	77	36 747	1 400 474	25 123	51 072	835 631	4 957 236	5 970 711	10 933 466	205 205
Washington	3	457	148	88 343	4 638 325	47 048	99 904	2 342 201	9 506 500	21 486 137	29 189 989	316 993
West Virginia	—	27	16	3 425	128 106	2 702	5 916	92 559	313 184	297 837	609 214	11 506
Wisconsin	—	272	140	41 267	1 651 775	32 799	67 070	1 177 387	5 519 239	9 178 892	14 710 711	495 387
Wyoming.....	3	19	3	316	6 809	251	394	4 177	15 084	14 752	30 498	661
337. FURNITURE & RELATED PRODUCT MFG												
United States	1	20 738	4 756	603 668	14 986 222	484 600	936 574	10 217 032	34 839 134	29 462 249	64 299 098	1 744 608
Alabama	—	471	96	14 789	313 242	12 112	23 061	219 122	823 850	658 763	1 497 644	64 339
Alaska	5	21	—	c	D	D	D	D	D	D	D	D
Arizona	1	359	79	7 965	162 592	6 439	11 935	114 074	382 026	289 044	673 444	20 099
Arkansas	—	210	54	10 530	213 720	8 765	15 438	158 443	447 444	453 988	896 926	22 305
California	1	2 739	681	65 184	1 562 883	51 723	98 247	1 026 926	3 653 775	3 024 209	6 677 893	133 291
Colorado	1	344	55	5 041	125 111	4 056	7 666	82 227	241 445	220 832	458 681	10 706
Connecticut	3	246	42	3 124	92 197	2 414	4 651	58 981	185 524	139 958	327 553	9 976
Delaware	—	33	4	548	14 208	449	874	10 422	35 862	35 798	70 512	2 068
District of Columbia.....	1	2	1	c	D	D	D	D	D	D	D	D
Florida.....	2	1 418	175	18 364	405 786	14 145	25 612	258 477	885 197	803 038	1 681 403	45 700
Georgia	1	677	126	13 953	324 190	11 425	22 309	232 475	903 797	748 790	1 655 715	36 391
Hawaii *	3	47	5	372	10 339	286	554	6 931	23 608	18 302	40 407	D
Idaho	2	142	16	1 782	36 662	1 520	2 731	27 328	74 474	61 794	136 446	2 942
Illinois	1	844	179	19 878	558 800	15 114	29 506	350 496	1 356 198	1 207 647	2 580 407	54 876
Indiana	—	507	184	26 091	665 095	21 630	44 541	479 715	1 591 681	1 278 323	2 857 278	75 660
Iowa	—	180	42	7 836	216 947	6 573	13 401	171 725	610 886	501 769	1 110 402	44 008
Kansas	1	181	43	4 687	109 723	3 769	7 259	73 244	259 615	187 990	445 663	13 075
Kentucky	1	218	58	5 318	115 542	4 364	8 338	81 994	255 121	217 150	483 463	13 195
Louisiana	4	123	15	1 332	24 714	1 050	1 639	16 920	53 285	49 949	103 412	3 613
Maine	—	100	17	1 699	45 702	1 207	2 307	28 268	102 245	62 648	166 575	4 970
Maryland	2	247	47	4 306	105 632	3 171	5 697	63 468	234 015	209 040	444 396	8 717
Massachusetts	1	357	76	6 840	202 912	5 118	9 961	126 064	464 165	388 024	853 991	24 249
Michigan	—	604	162	34 188	1 305 186	24 888	51 921	764 763	3 631 022	2 303 957	5 921 099	234 490
Minnesota	1	513	106	11 679	325 749	8 849	17 007	209 791	739 722	1 339 547	433 735	44 935
Mississippi	1	368	173	31 207	670 619	25 932	47 884	487 502	1 523 449	1 713 410	3 215 660	50 753
Missouri	1	444	90	11 504	292 320	9 426	18 342	209 425	636 321	577 829	1 221 784	25 672
Montana	2	84	10	750	15 176	608	1 012	10 492	28 491	23 490	52 101	1 432
Nebraska	—	105	21	3 075	77 462	2 396	4 469	50 819	206 778	165 392	369 997	9 582
Nevada	1	109	21	1 626	43 262	1 324	2 536	30 025	112 823	86 123	198 850	4 198
New Hampshire	2	104	15	1 547	40 305	1 082	2 036	22 950	71 789	64 126	137 944	D
New Jersey	3	534	113	8 920	262 569	6 883	13 323	166 415	530 863	478 772	1 008 284	24 055
New Mexico	4	129	7	9	D	D	D	D	D	D	D	D
New York	2	1 134	221	20 398	547 525	15 760	29 794	344 797	1 179 269	833 814	2 000 055	79 754
North Carolina	—	1 177	458	81 367	1 811 013	69 748	134 914	1 400 597	3 799 624	3 407 519	7 219 049	149 313
North Dakota	1	51	11	1 076	23 709	799	1 483	15 634	46 191	40 005	86 453	3 350
Ohio	—	735	142	20 755	585 577	16 200	32 844	397 637	1 566 188	1 460 153	3 028 202	109 403
Oklahoma	1	166	38	3 507	77 307	2 715	4 882	53 781	154 092	118 428	270 760	8 509
Oregon	1	376	69	6 081	149 654	4 660	8 886	99 193	303 580	264 888	571 405	12 049
Pennsylvania	1	853	205	24 509	649 817	18 933	36 971	433 858	1 586 214	1 236 458	2 819 824	68 869
Rhode Island	4	68	21	1 915	49 634	1 400	2 807	29 049	104 328	95 814	201 889	8 510
South Carolina	1	194	38	5 450	119 591	4 499	8 342	84 731	283 274	283 064	571 613	11 607
South Dakota	1	54	12	1 479	34 247	1 181	2 181	23 766	66 849	57 215	124 224	4 733
Tennessee	1	561	166	26 529	566 590	22 189	40 967	408 756	1 184 467	1 177 912	2 365 424	56 314
Texas	1	1 031	245	27 305	606 973	21 407	41 616	398 319	1 438 999	1 268 716	2 708 879	74 686
Utah	1	255	53	5 586	129 700	4 425	8 446	93 835	268 667	215 932	484 794	9 476
Vermont	1	81	18	2 662	61 824	2 392	4 748	52 303	95 606	86 139	181 123	23 828
Virginia	1	471	109	23 642	504 925	20 584	41 258	394 540	1 202 883	966 738	2 173 743	63 852
Washington	1	474	90	7 351	188 121	5 846	11 156	125 077	383 238	292 892	679 531	17 221
West Virginia	2	66	14	1 161	24 403	914	1 644	16 143	50 058	55 309	104 993	2 687
Wisconsin	1	504	131	17 301	487 075	13 076	27 382	285 494	1 008 655	993 964	1 989 832	48 143
Wyoming.....	5	27	2	c	D	D	D	D	D	D	D	D
339. MISCELLANEOUS MFG												
United States	1	31 476	5 875	725 396	21 618 204	492 558	938 191	10 970 663	61 452 548	38 263 345	99 729 798	3 432 599
Alabama	2	341	59	7 511	171 636	5 715	10 355	100 869	466 401	400 339	862 179	27 471
Alaska	4	46	2	168	4 684	129	277	3 065	9 394	6 212	15 456	1 737
Arizona	1	512	79	8 627	257 689	5 428	9 830	109 337	697 475	392 332	1 087 049	38 196
Arkansas	1	228	53	8 288	185 891	6 074	11 422	108 806	529 549	391 221	935 857	17 214
California	1	4 525	838	97 208	3 213 209	63 157	120 247	1 429 778	9 456 437	5 136 774	14 552 006	524 868
Colorado	2	683	96	10 289	320 020	7 010	13 661	140 302	782 336	391 296	1 184 643	37 037
Connecticut	—	452	108	15 969	553 857	9 928	18 981	270 319	2 303 473	942 548	3 227 888	143 960
Delaware	—	53	6	1 319	41 450	800	1 088	11 198	113 370	72 818	187 615	6 632
District of Columbia.....	5	20	2	134	4 099	91	181	2 054	8 348	2 921	11 013	180
Florida.....	1	1 913	211	27 700	821 523	18 285	33 841	382 489	2 852 297	1 085 395	3 927 620	140 345
Georgia	1	676	97	16 213	490 927	11 540	23 933	252 577	1 238 034	911 899	2 207 835	96 176
Hawaii *	5	146	13	1 372	31 297	767	1 305	15 528	71 149	36 239	106 043	2 670
Idaho	2	157	13	1 271	29 190	908	1 523	16 185	93 359	33 456	122 745	3 319
Illinois	1	1 384	311	39 443	1 274 636	26 325	50 822	627 122	3 038 449	2 406 481	5 457 160	185 266
Indiana	—	616	149	23 045	731 447	16 113	30 063	399 816	2 677 284	1 134 042	3 826 163	105 671
Iowa	1	267	47	5 389	157 638	3 659	7 008	83 904	425 628	273 797	697 731	43 019
Kansas	1	236	54	5 022	115 167	3 817	7 330	71 537	425 386	174 006	611 251	17 134
Kentucky	1	273	54	6 903	170 670	5 334	9 814	106 110	608 633	364 237	967 731	33 595
Louisiana	1	269	32	3 721	85 765	2 744	4 481	49 377	248 948	205 040	450 537	8 190
Maine	4	131	21	1 573	36 977	1 085	1 855	18 913	78 610	54 490	131 315	5 212

See footnotes at end of table.

Table 1–2. Industry Statistics for Subsectors by Selected States: 1997—Con.

[For information on geographic areas followed by * and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
339, MISCELLANEOUS MFG—Con.												
Maryland	2	424	71	5 875	178 749	3 998	7 465	96 774	392 301	290 127	679 366	28 798
Massachusetts	1	846	234	31 550	1 098 733	19 486	38 240	513 074	3 318 607	1 829 543	5 181 851	172 782
Michigan	1	1 016	160	17 926	534 616	11 481	22 039	270 498	1 439 886	971 461	2 411 114	77 206
Minnesota	1	695	170	23 520	767 844	14 119	27 395	342 518	1 914 702	1 119 811	3 042 471	114 563
Mississippi	1	178	32	4 929	112 044	3 831	7 024	73 840	295 402	230 338	532 933	11 245
Missouri	1	601	137	13 427	363 613	8 902	16 707	181 350	966 237	589 337	1 554 699	46 172
Montana	3	143	15	1 405	29 889	1 123	1 913	19 730	78 210	43 249	120 927	2 856
Nebraska	—	163	30	4 697	128 904	3 794	7 738	91 981	858 348	218 713	1 080 094	33 177
Nevada	1	236	48	6 115	197 647	3 486	6 890	81 705	405 452	394 985	804 959	89 163
New Hampshire	1	184	38	6 408	176 952	4 229	8 697	102 892	448 369	283 458	734 056	28 292
New Jersey	1	979	224	26 148	946 768	16 476	31 440	394 817	2 383 334	1 471 943	3 847 110	170 611
New Mexico	2	287	38	4 393	95 352	3 166	5 697	57 715	240 156	298 233	537 261	12 056
New York	2	2 732	527	57 334	1 684 977	40 420	76 613	906 037	4 095 327	3 343 426	7 406 133	199 429
North Carolina	1	744	133	18 512	506 297	13 584	25 276	286 883	1 465 942	1 084 422	2 567 964	96 068
North Dakota	2	58	8	695	15 722	471	788	8 623	28 404	26 029	55 331	1 772
Ohio	1	1 147	254	29 447	831 352	21 003	40 500	459 940	2 408 428	1 628 267	4 027 234	129 354
Oklahoma	2	314	48	5 409	123 177	3 653	6 402	66 644	364 906	295 606	670 136	18 481
Oregon	2	591	82	8 899	242 003	5 911	10 500	121 233	522 579	368 975	882 242	34 509
Pennsylvania	1	1 207	281	35 256	1 054 746	23 955	45 946	562 487	2 669 089	1 711 110	4 337 207	137 410
Rhode Island	2	710	159	17 327	458 208	12 233	23 389	246 654	1 123 748	837 675	1 964 569	47 769
South Carolina	1	242	38	5 767	138 968	4 612	8 696	89 992	438 210	263 964	697 042	20 291
South Dakota	—	103	23	3 913	100 773	2 721	5 801	68 153	495 768	242 369	738 163	23 418
Tennessee	—	526	119	20 219	553 847	14 346	27 086	313 675	1 894 806	1 190 920	3 125 132	97 370
Texas	2	1 861	308	39 572	1 036 017	28 128	54 033	572 094	3 225 495	2 255 293	5 464 689	156 691
Utah	—	340	62	12 845	340 271	8 512	18 259	170 833	878 684	552 751	1 419 360	67 143
Vermont	—	115	23	2 193	53 381	1 492	2 542	27 048	164 248	152 164	306 875	11 182
Virginia	1	480	77	9 620	263 470	7 040	13 362	155 144	598 304	605 783	1 217 814	34 691
Washington	2	848	110	10 205	288 007	7 048	12 577	152 535	733 318	470 258	1 193 435	45 480
West Virginia	—	81	10	1 282	30 571	967	1 707	19 244	157 003	37 511	193 493	4 309
Wisconsin	1	656	166	18 948	558 227	13 172	24 984	311 913	1 304 871	1 026 907	2 335 373	81 181
Wyoming	5	41	5	395	9 307	290	468	5 351	17 854	13 174	30 988	1 238

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²States with 100 employees or more are shown. Some statistics are withheld to avoid disclosing data for individual companies. If employment is 100 or more, number of establishments is shown and employment-size range is indicated by one of the following symbols: c–100 to 249 employees; e–250 to 499 employees; f–500 to 999 employees; g–1,000 to 2,499 employees; h–2,500 to 4,999 employees; i–5,000 to 9,999 employees; j–10,000 to 24,999 employees; k–25,000 to 49,999 employees; l–50,000 to 99,999 employees; m–100,000 employees or more.

Table 1–3. Detailed Statistics by Subsector: 1997

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Value	Item	Value
31-33, MANUFACTURING		311, FOOD MFG—Con.	
Companies ¹	number.. 316 952	Quantity of electricity purchased for heat and power	1,000 kWh.. D
All establishments	number.. 362 829	Quantity of electricity generated less sold for heat and power ...	1,000 kWh.. 4 342 538
Establishments with 1 to 19 employees	number.. 243 081	Total value of shipments	\$1,000.. 421 737 017
Establishments with 20 to 99 employees	number.. 84 826	Value of resales	\$1,000.. 20 503 560
Establishments with 100 employees or more	number.. 34 922	Value added	\$1,000.. 163 675 301
All employees	number.. 16 805 127	Total inventories, beginning of year	\$1,000.. 29 482 461
Total compensation	\$1,000.. 716 594 764	Finished goods inventories, beginning of year	\$1,000.. 16 162 641
Annual payroll	\$1,000.. 569 808 845	Work-in-process inventories, beginning of year	\$1,000.. 2 963 768
Total fringe benefits	\$1,000.. 146 785 919	Materials and supplies inventories, beginning of year	\$1,000.. 10 356 052
Production workers, average for year	number.. 12 065 257	Total inventories, end of year	\$1,000.. 30 151 960
Production workers on March 12	number.. 11 967 377	Finished goods inventories, end of year	\$1,000.. 16 532 124
Production workers on May 12	number.. 12 034 012	Work-in-process inventories, end of year	\$1,000.. 3 021 448
Production workers on August 12	number.. 12 133 773	Materials and supplies inventories, end of year	\$1,000.. 10 598 388
Production workers on November 12	number.. 12 125 866	Gross book value of total assets at beginning of year	\$1,000.. 112 781 776
Production-worker hours	1,000.. 24 183 271	Total capital expenditures (new and used)	\$1,000.. 10 799 165
Production-worker wages	\$1,000.. 338 267 197	Capital expenditures for buildings and other structures (new and used)	\$1,000.. 2 141 268
Total cost of materials	\$1,000.. 2 015 424 556	Capital expenditures for machinery and equipment (new and used)	\$1,000.. 8 657 897
Cost of materials, parts, containers, etc., consumed	\$1,000.. 1 782 463 976	Total retirements	\$1,000.. 4 440 529
Cost of resales	\$1,000.. 113 751 236	Gross book value of total assets at end of year	\$1,000.. 119 140 412
Cost of fuels	\$1,000.. 26 214 645	Total depreciation during year	\$1,000.. 7 298 906
Cost of purchased electricity	\$1,000.. 38 695 146	Total rental payments	\$1,000.. 2 366 497
Cost of contract work	\$1,000.. 54 299 553	Buildings on other structures rental payments	\$1,000.. 849 480
Quantity of electricity purchased for heat and power	1,000 kWh.. 827 353 664	Machinery and equipment rental payments	\$1,000.. 1 517 017
Quantity of electricity generated less sold for heat and power ...	1,000 kWh.. 92 643 862	Cost of purchased services for the repair of buildings and other structures ²	\$1,000.. 515 555
Total value of shipments	\$1,000.. 3 834 700 920	Response coverage ratio ³	percent.. 79
Value of resales	\$1,000.. 152 483 275	Cost of purchased services for the repair of machinery and equipment ²	\$1,000.. 2 571 842
Value added	\$1,000.. 1 825 688 027	Response coverage ratio ³	percent.. 79
Total inventories, beginning of year	\$1,000.. 419 977 777	Cost of purchased communications services ²	\$1,000.. 472 199
Finished goods inventories, beginning of year	\$1,000.. 142 400 832	Response coverage ratio ³	percent.. 79
Work-in-process inventories, beginning of year	\$1,000.. 132 553 508	Cost of purchased legal services ²	\$1,000.. 148 847
Materials and supplies inventories, beginning of year	\$1,000.. 145 023 437	Response coverage ratio ³	percent.. 79
Total inventories, end of year	\$1,000.. 433 448 730	Cost of purchased accounting and bookkeeping services services ²	\$1,000.. 141 396
Finished goods inventories, end of year	\$1,000.. 147 646 704	Response coverage ratio ³	percent.. 79
Work-in-process inventories, end of year	\$1,000.. 133 710 385	Cost of purchased advertising services ²	\$1,000.. 975 425
Materials and supplies inventories, end of year	\$1,000.. 152 091 641	Response coverage ratio ³	percent.. 79
Gross book value of total assets at beginning of year	\$1,000.. 1 446 452 439	Cost of purchased software and other data processing services ²	\$1,000.. 102 458
Total capital expenditures (new and used)	\$1,000.. 151 510 757	Response coverage ratio ³	percent.. 79
Capital expenditures for buildings and other structures (new and used)	\$1,000.. 23 424 681	Cost of purchased refuse removal (including hazardous waste) services ²	\$1,000.. 323 311
Capital expenditures for machinery and equipment (new and used)	\$1,000.. 128 086 076	Response coverage ratio ³	percent.. 79
Total retirements	\$1,000.. 46 658 714		
Gross book value of total assets at end of year	\$1,000.. 1 551 319 045	312, BEVERAGE & TOBACCO PRODUCT MFG	
Total depreciation during year	\$1,000.. 100 256 983	Companies ¹	number.. 2 237
Total rental payments	\$1,000.. 29 250 951	All establishments	number.. 2 727
Buildings on other structures rental payments	\$1,000.. 13 651 200	Establishments with 1 to 19 employees	number.. 1 698
Machinery and equipment rental payments	\$1,000.. 15 599 573	Establishments with 20 to 99 employees	number.. 630
Cost of purchased services for the repair of buildings and other structures ²	\$1,000.. 5 966 006	Establishments with 100 employees or more	number.. 399
Response coverage ratio ³	percent.. 78	All employees	number.. 175 711
Cost of purchased services for the repair of machinery and equipment ²	\$1,000.. 27 926 648	Total compensation	\$1,000.. 8 799 206
Response coverage ratio ³	percent.. 78	Annual payroll	\$1,000.. 6 735 295
Cost of purchased communications services ²	\$1,000.. 7 851 671	Total fringe benefits	\$1,000.. 2 063 911
Response coverage ratio ³	percent.. 78	Production workers, average for year	number.. 98 389
Cost of purchased legal services ²	\$1,000.. 4 083 989	Production workers on March 12	number.. 96 813
Response coverage ratio ³	percent.. 78	Production workers on May 12	number.. 96 777
Cost of purchased accounting and bookkeeping services services ²	\$1,000.. 2 302 489	Production workers on August 12	number.. 100 961
Response coverage ratio ³	percent.. 78	Production workers on November 12	number.. 99 005
Cost of purchased advertising services ²	\$1,000.. 11 254 156	Production-worker hours	1,000.. 196 693
Response coverage ratio ³	percent.. 78	Production-worker wages	\$1,000.. 3 554 784
Cost of purchased software and other data processing services ²	\$1,000.. 5 136 972	Total cost of materials	\$1,000.. 41 276 110
Response coverage ratio ³	percent.. 78	Cost of materials, parts, containers, etc., consumed	\$1,000.. 37 740 729
Cost of purchased refuse removal (including hazardous waste) services ²	\$1,000.. 4 461 775	Cost of resales	\$1,000.. 2 692 199
Response coverage ratio ³	percent.. 78	Cost of fuels	\$1,000.. 256 256
		Cost of purchased electricity	\$1,000.. 421 484
		Cost of contract work	\$1,000.. 165 442
311, FOOD MFG		Quantity of electricity purchased for heat and power	1,000 kWh.. 7 649 042
Companies ¹	number.. 21 958	Quantity of electricity generated less sold for heat and power ...	1,000 kWh.. 598 347
All establishments	number.. 26 302	Total value of shipments	\$1,000.. 96 971 368
Establishments with 1 to 19 employees	number.. 17 576	Value of resales	\$1,000.. 3 638 096
Establishments with 20 to 99 employees	number.. 5 509	Value added	\$1,000.. 56 433 891
Establishments with 100 employees or more	number.. 3 217	Total inventories, beginning of year	\$1,000.. 13 302 961
All employees	number.. 1 466 956	Finished goods inventories, beginning of year	\$1,000.. 3 542 159
Total compensation	\$1,000.. 48 695 471	Work-in-process inventories, beginning of year	\$1,000.. 2 990 064
Annual payroll	\$1,000.. 38 366 240	Materials and supplies inventories, beginning of year	\$1,000.. 6 770 738
Total fringe benefits	\$1,000.. 10 329 231	Total inventories, end of year	\$1,000.. 14 188 142
Production workers, average for year	number.. 1 112 307	Finished goods inventories, end of year	\$1,000.. 3 838 636
Production workers on March 12	number.. 1 085 212	Work-in-process inventories, end of year	\$1,000.. 3 634 606
Production workers on May 12	number.. 1 089 573	Materials and supplies inventories, end of year	\$1,000.. 6 714 900
Production workers on August 12	number.. 1 160 280	Gross book value of total assets at beginning of year	\$1,000.. 32 888 992
Production workers on November 12	number.. 1 114 163	Total capital expenditures (new and used)	\$1,000.. 3 100 543
Production-worker hours	1,000.. 2 234 216	Capital expenditures for buildings and other structures (new and used)	\$1,000.. 429 692
Production-worker wages	\$1,000.. 25 185 751	Capital expenditures for machinery and equipment (new and used)	\$1,000.. 2 670 851
Total cost of materials	\$1,000.. 258 537 984	Total retirements	\$1,000.. 618 487
Cost of materials, parts, containers, etc., consumed	\$1,000.. 234 511 544	Gross book value of total assets at end of year	\$1,000.. 35 371 048
Cost of resales	\$1,000.. 17 396 353	Total depreciation during year	\$1,000.. 1 786 180
Cost of fuels	\$1,000.. 2 466 786		
Cost of purchased electricity	\$1,000.. 3 117 392		
Cost of contract work	\$1,000.. 1 045 909		

Table 1–3. Detailed Statistics by Subsector: 1997—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Value	Item	Value
312, BEVERAGE & TOBACCO PRODUCT MFG—		314, TEXTILE PRODUCT MILLS	
Con.		Companies ¹	number.. 7 516
Total rental payments	\$1,000.. 444 342	All establishments	number.. 7 899
Buildings on other structures rental payments	\$1,000.. 182 878	Establishments with 1 to 19 employees	number.. 5 999
Machinery and equipment rental payments	\$1,000.. 261 464	Establishments with 20 to 99 employees	number.. 1 396
		Establishments with 100 employees or more	number.. 504
Cost of purchased services for the repair of buildings and other structures ²	\$1,000.. 59 991	All employees	number.. 235 441
Response coverage ratio ³	percent.. 78	Total compensation	\$1,000.. 6 150 313
Cost of purchased services for the repair of machinery and equipment ²	\$1,000.. 390 950	Annual payroll	\$1,000.. 5 088 653
Response coverage ratio ³	percent.. 78	Total fringe benefits	\$1,000.. 1 061 660
Cost of purchased communications services ²	\$1,000.. 68 173	Production workers, average for year	number.. 189 082
Response coverage ratio ³	percent.. 78	Production workers on March 12	number.. 188 655
Cost of purchased legal services ²	\$1,000.. 211 167	Production workers on May 12	number.. 189 013
Response coverage ratio ³	percent.. 78	Production workers on August 12	number.. 189 534
Cost of purchased accounting and bookkeeping services services ²	\$1,000.. 12 239	Production workers on November 12	number.. 189 126
Response coverage ratio ³	percent.. 78	Production-worker hours	1,000.. 366 775
Cost of purchased advertising services ²	\$1,000.. 923 452	Production-worker wages	\$1,000.. 3 410 873
Response coverage ratio ³	percent.. 78		
Cost of purchased software and other data processing services ²	\$1,000.. 120 319	Total cost of materials	\$1,000.. 17 671 553
Response coverage ratio ³	percent.. 78	Cost of materials, parts, containers, etc., consumed	\$1,000.. 16 341 035
Cost of purchased refuse removal (including hazardous waste) services ²	\$1,000.. 169 165	Cost of resales	\$1,000.. D
Response coverage ratio ³	percent.. 78	Cost of fuels	\$1,000.. 142 315
		Cost of purchased electricity	\$1,000.. 245 129
		Cost of contract work	\$1,000.. D
		Quantity of electricity purchased for heat and power	1,000 kWh.. 4 761 392
		Quantity of electricity generated less sold for heat and power	1,000 kWh.. D
		Total value of shipments	\$1,000.. 31 051 835
		Value of resales	\$1,000.. D
		Value added	\$1,000.. 13 613 111
Companies ¹	number.. 3 863	Total inventories, beginning of year	\$1,000.. 4 063 504
All establishments	number.. 4 694	Finished goods inventories, beginning of year	\$1,000.. 1 779 294
Establishments with 1 to 19 employees	number.. 2 558	Work-in-process inventories, beginning of year	\$1,000.. 777 510
Establishments with 20 to 99 employees	number.. 1 070	Materials and supplies inventories, beginning of year	\$1,000.. 1 506 700
Establishments with 100 employees or more	number.. 1 066		
All employees	number.. 391 899	Total inventories, end of year	\$1,000.. 4 330 993
Total compensation	\$1,000.. 12 328 590	Finished goods inventories, end of year	\$1,000.. 1 960 918
Annual payroll	\$1,000.. 10 058 482	Work-in-process inventories, end of year	\$1,000.. 828 680
Total fringe benefits	\$1,000.. 2 270 108	Materials and supplies inventories, end of year	\$1,000.. 1 541 395
Production workers, average for year	number.. 332 385	Gross book value of total assets at beginning of year	\$1,000.. 6 923 812
Production workers on March 12	number.. 331 585	Total capital expenditures (new and used)	\$1,000.. 718 728
Production workers on May 12	number.. 333 180	Capital expenditures for buildings and other structures (new and used)	\$1,000.. 126 292
Production workers on August 12	number.. 332 699	Capital expenditures for machinery and equipment (new and used)	\$1,000.. 592 436
Production workers on November 12	number.. 332 076	Total retirements	\$1,000.. 211 596
Production-worker hours	1,000.. 695 900	Gross book value of total assets at end of year	\$1,000.. 7 430 944
Production-worker wages	\$1,000.. 7 439 112	Total depreciation during year	\$1,000.. 521 033
Total cost of materials	\$1,000.. 34 876 899	Total rental payments	\$1,000.. 337 153
Cost of materials, parts, containers, etc., consumed	\$1,000.. 31 791 683	Buildings on other structures rental payments	\$1,000.. 174 386
Cost of resales	\$1,000.. D	Machinery and equipment rental payments	\$1,000.. 162 767
Cost of fuels	\$1,000.. 571 832	Cost of purchased services for the repair of buildings and other structures ²	\$1,000.. 32 845
Cost of purchased electricity	\$1,000.. 1 340 814	Response coverage ratio ³	percent.. 73
Cost of contract work	\$1,000.. D	Cost of purchased services for the repair of machinery and equipment ²	\$1,000.. 162 802
Quantity of electricity purchased for heat and power	1,000 kWh.. 28 519 930	Response coverage ratio ³	percent.. 73
Quantity of electricity generated less sold for heat and power	1,000 kWh.. 197 659	Cost of purchased communications services ²	\$1,000.. 46 118
Total value of shipments	\$1,000.. 58 707 401	Response coverage ratio ³	percent.. 73
Value of resales	\$1,000.. D	Cost of purchased legal services ²	\$1,000.. 23 178
Value added	\$1,000.. 23 696 948	Response coverage ratio ³	percent.. 73
Total inventories, beginning of year	\$1,000.. 6 678 254	Cost of purchased accounting and bookkeeping services services ²	\$1,000.. 18 828
Finished goods inventories, beginning of year	\$1,000.. 2 633 117	Response coverage ratio ³	percent.. 73
Work-in-process inventories, beginning of year	\$1,000.. 1 923 976	Cost of purchased advertising services ²	\$1,000.. 78 736
Materials and supplies inventories, beginning of year	\$1,000.. 2 121 161	Response coverage ratio ³	percent.. 73
Total inventories, end of year	\$1,000.. 6 640 225	Cost of purchased software and other data processing services ²	\$1,000.. 19 402
Finished goods inventories, end of year	\$1,000.. 2 580 798	Response coverage ratio ³	percent.. 73
Work-in-process inventories, end of year	\$1,000.. 1 842 741	Cost of purchased refuse removal (including hazardous waste) services ²	\$1,000.. 19 194
Materials and supplies inventories, end of year	\$1,000.. 2 216 686	Response coverage ratio ³	percent.. 73
Gross book value of total assets at beginning of year	\$1,000.. 28 949 422		
Total capital expenditures (new and used)	\$1,000.. 2 691 704	315, APPAREL MFG	
Capital expenditures for buildings and other structures (new and used)	\$1,000.. 384 572	Companies ¹	number.. 15 839
Capital expenditures for machinery and equipment (new and used)	\$1,000.. 2 307 132	All establishments	number.. 16 989
Total retirements	\$1,000.. 796 123	Establishments with 1 to 19 employees	number.. 10 635
Gross book value of total assets at end of year	\$1,000.. 30 845 003	Establishments with 20 to 99 employees	number.. 4 689
Total depreciation during year	\$1,000.. 1 978 182	Establishments with 100 employees or more	number.. 1 665
Total rental payments	\$1,000.. 444 268	All employees	number.. 710 796
Buildings on other structures rental payments	\$1,000.. 221 250	Total compensation	\$1,000.. 15 140 092
Machinery and equipment rental payments	\$1,000.. 223 018	Annual payroll	\$1,000.. 12 582 352
Cost of purchased services for the repair of buildings and other structures ²	\$1,000.. 133 721	Total fringe benefits	\$1,000.. 2 557 740
Response coverage ratio ³	percent.. 78	Production workers, average for year	number.. 592 290
Cost of purchased services for the repair of machinery and equipment ²	\$1,000.. 625 205	Production workers on March 12	number.. 599 623
Response coverage ratio ³	percent.. 78	Production workers on May 12	number.. 597 154
Cost of purchased communications services ²	\$1,000.. 54 916	Production workers on August 12	number.. 590 272
Response coverage ratio ³	percent.. 78	Production workers on November 12	number.. 582 111
Cost of purchased legal services ²	\$1,000.. 31 297	Production-worker hours	1,000.. 1 060 314
Response coverage ratio ³	percent.. 78	Production-worker wages	\$1,000.. 8 799 442
Cost of purchased accounting and bookkeeping services services ²	\$1,000.. 43 882	Total cost of materials	\$1,000.. 34 683 500
Response coverage ratio ³	percent.. 78	Cost of materials, parts, containers, etc., consumed	\$1,000.. 24 851 199
Cost of purchased advertising services ²	\$1,000.. 29 270	Cost of resales	\$1,000.. 2 935 808
Response coverage ratio ³	percent.. 78	Cost of fuels	\$1,000.. 205 529
Cost of purchased software and other data processing services ²	\$1,000.. 30 229	Cost of purchased electricity	\$1,000.. 482 740
Response coverage ratio ³	percent.. 78	Cost of contract work	\$1,000.. 6 208 224
Cost of purchased refuse removal (including hazardous waste) services ²	\$1,000.. 39 699		
Response coverage ratio ³	percent.. 78		

MANUFACTURING—SUBJECT SERIES

GENERAL SUMMARY—INDUSTRY STATISTICS 1–39

Table 1–3. Detailed Statistics by Subsector: 1997—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Value	Item	Value
315, APPAREL MFG—Con.		316, LEATHER & ALLIED PRODUCT MFG—Con.	
Quantity of electricity purchased for heat and power 1,000 kWh..	7 056 359	Total rental payments \$1,000..	85 619
Quantity of electricity generated less sold for heat and power ... 1,000 kWh..	D	Buildings on other structures rental payments \$1,000..	41 153
Total value of shipments \$1,000..	68 018 116	Machinery and equipment rental payments \$1,000..	44 466
Value of resales \$1,000..	3 947 595	Cost of purchased services for the repair of buildings and other structures ² \$1,000..	9 790
Value added \$1,000..	33 780 193	Response coverage ratio ³ percent..	68
Total inventories, beginning of year \$1,000..	8 856 417	Cost of purchased services for the repair of machinery and equipment ² \$1,000..	37 940
Finished goods inventories, beginning of year \$1,000..	4 204 660	Response coverage ratio ³ percent..	68
Work-in-process inventories, beginning of year \$1,000..	1 825 616	Cost of purchased communications services ² \$1,000..	12 993
Materials and supplies inventories, beginning of year \$1,000..	2 826 141	Response coverage ratio ³ percent..	68
Total inventories, end of year \$1,000..	9 266 744	Cost of purchased legal services ² \$1,000..	13 418
Finished goods inventories, end of year \$1,000..	4 465 689	Response coverage ratio ³ percent..	68
Work-in-process inventories, end of year \$1,000..	2 010 164	Cost of purchased accounting and bookkeeping services services ² \$1,000..	11 303
Materials and supplies inventories, end of year \$1,000..	2 790 891	Response coverage ratio ³ percent..	68
Gross book value of total assets at beginning of year \$1,000..	8 525 700	Cost of purchased advertising services ² \$1,000..	110 085
Total capital expenditures (new and used) \$1,000..	941 178	Response coverage ratio ³ percent..	68
Capital expenditures for buildings and other structures (new and used) \$1,000..	224 954	Cost of purchased software and other data processing services ² \$1,000..	12 683
Capital expenditures for machinery and equipment (new and used) \$1,000..	716 224	Response coverage ratio ³ percent..	68
Total retirements \$1,000..	311 442	Cost of purchased refuse removal (including hazardous waste) services ² \$1,000..	9 981
Gross book value of total assets at end of year \$1,000..	9 155 436	Response coverage ratio ³ percent..	68
Total depreciation during year \$1,000..	798 817	321, WOOD PRODUCT MFG	
Total rental payments \$1,000..	696 107	Companies ¹ number..	15 621
Buildings on other structures rental payments \$1,000..	400 468	All establishments number..	17 367
Machinery and equipment rental payments \$1,000..	295 639	Establishments with 1 to 19 employees number..	11 558
Cost of purchased services for the repair of buildings and other structures ² \$1,000..	63 657	Establishments with 20 to 99 employees number..	4 436
Response coverage ratio ³ percent..	62	Establishments with 100 employees or more number..	1 373
Cost of purchased services for the repair of machinery and equipment ² \$1,000..	130 513	All employees number..	570 034
Response coverage ratio ³ percent..	62	Total compensation \$1,000..	17 698 996
Cost of purchased communications services ² \$1,000..	78 403	Annual payroll \$1,000..	14 319 193
Response coverage ratio ³ percent..	62	Total fringe benefits \$1,000..	3 379 803
Cost of purchased legal services ² \$1,000..	44 053	Production workers, average for year number..	476 225
Response coverage ratio ³ percent..	62	Production workers on March 12 number..	468 960
Cost of purchased accounting and bookkeeping services services ² \$1,000..	42 843	Production workers on May 12 number..	476 810
Response coverage ratio ³ percent..	62	Production workers on August 12 number..	481 640
Cost of purchased advertising services ² \$1,000..	162 850	Production workers on November 12 number..	477 490
Response coverage ratio ³ percent..	62	Production-worker hours 1,000..	948 438
Cost of purchased software and other data processing services ² \$1,000..	49 051	Production-worker wages \$1,000..	10 567 993
Response coverage ratio ³ percent..	62	Total cost of materials \$1,000..	55 299 641
Cost of purchased refuse removal (including hazardous waste) services ² \$1,000..	21 862	Cost of materials, parts, containers, etc., consumed \$1,000..	50 648 399
Response coverage ratio ³ percent..	62	Cost of resales \$1,000..	2 286 723
		Cost of fuels \$1,000..	416 750
		Cost of purchased electricity \$1,000..	1 095 563
		Cost of contract work \$1,000..	852 206
316, LEATHER & ALLIED PRODUCT MFG		Quantity of electricity purchased for heat and power 1,000 kWh..	21 861 363
Companies ¹ number..	1 727	Quantity of electricity generated less sold for heat and power ... 1,000 kWh..	578 072
All establishments number..	1 861	Total value of shipments \$1,000..	88 470 180
Establishments with 1 to 19 employees number..	1 264	Value of resales \$1,000..	2 864 520
Establishments with 20 to 99 employees number..	383	Value added \$1,000..	33 493 004
Establishments with 100 employees or more number..	214	Total inventories, beginning of year \$1,000..	8 822 850
All employees number..	85 115	Finished goods inventories, beginning of year \$1,000..	3 222 245
Total compensation \$1,000..	2 237 088	Work-in-process inventories, beginning of year \$1,000..	1 814 025
Annual payroll \$1,000..	1 832 341	Materials and supplies inventories, beginning of year \$1,000..	3 786 580
Total fringe benefits \$1,000..	404 747	Total inventories, end of year \$1,000..	9 441 249
Production workers, average for year number..	68 733	Finished goods inventories, end of year \$1,000..	3 448 730
Production workers on March 12 number..	68 645	Work-in-process inventories, end of year \$1,000..	1 910 005
Production workers on May 12 number..	68 510	Materials and supplies inventories, end of year \$1,000..	4 082 514
Production workers on August 12 number..	69 419	Gross book value of total assets at beginning of year \$1,000..	29 910 618
Production workers on November 12 number..	68 358	Total capital expenditures (new and used) \$1,000..	2 869 234
Production-worker hours 1,000..	133 908	Capital expenditures for buildings and other structures (new and used) \$1,000..	544 270
Production-worker wages \$1,000..	1 185 870	Capital expenditures for machinery and equipment (new and used) \$1,000..	2 324 964
Total cost of materials \$1,000..	5 480 529	Total retirements \$1,000..	674 699
Cost of materials, parts, containers, etc., consumed \$1,000..	4 564 810	Gross book value of total assets at end of year \$1,000..	32 105 153
Cost of resales \$1,000..	622 025	Total depreciation during year \$1,000..	1 970 630
Cost of fuels \$1,000..	31 095	Total rental payments \$1,000..	473 338
Cost of purchased electricity \$1,000..	62 032	Buildings on other structures rental payments \$1,000..	210 572
Cost of contract work \$1,000..	200 567	Machinery and equipment rental payments \$1,000..	262 766
Quantity of electricity purchased for heat and power 1,000 kWh..	938 329	Cost of purchased services for the repair of buildings and other structures ² \$1,000..	89 098
Quantity of electricity generated less sold for heat and power ... 1,000 kWh..	1 419	Response coverage ratio ³ percent..	76
Total value of shipments \$1,000..	10 876 510	Cost of purchased services for the repair of machinery and equipment ² \$1,000..	912 512
Value of resales \$1,000..	977 361	Response coverage ratio ³ percent..	76
Value added \$1,000..	5 407 999	Cost of purchased communications services ² \$1,000..	104 680
Total inventories, beginning of year \$1,000..	1 676 961	Response coverage ratio ³ percent..	76
Finished goods inventories, beginning of year \$1,000..	857 036	Cost of purchased legal services ² \$1,000..	71 572
Work-in-process inventories, beginning of year \$1,000..	325 592	Response coverage ratio ³ percent..	76
Materials and supplies inventories, beginning of year \$1,000..	494 333	Cost of purchased accounting and bookkeeping services services ² \$1,000..	53 976
Total inventories, end of year \$1,000..	1 717 650	Response coverage ratio ³ percent..	76
Finished goods inventories, end of year \$1,000..	878 447	Cost of purchased advertising services ² \$1,000..	112 681
Work-in-process inventories, end of year \$1,000..	316 199	Response coverage ratio ³ percent..	76
Materials and supplies inventories, end of year \$1,000..	523 004	Cost of purchased software and other data processing services ² \$1,000..	32 600
Gross book value of total assets at beginning of year \$1,000..	1 608 450	Response coverage ratio ³ percent..	76
Total capital expenditures (new and used) \$1,000..	167 254	Cost of purchased refuse removal (including hazardous waste) services ² \$1,000..	77 293
Capital expenditures for buildings and other structures (new and used) \$1,000..	24 896	Response coverage ratio ³ percent..	76
Capital expenditures for machinery and equipment (new and used) \$1,000..	142 358		
Total retirements \$1,000..	45 501		
Gross book value of total assets at end of year \$1,000..	1 730 203		
Total depreciation during year \$1,000..	125 845		

Table 1–3. Detailed Statistics by Subsector: 1997—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Value	Item	Value
322, PAPER MFG		323, PRINTING & RELATED SUPPORT ACTIVITIES	
Companies ¹		—Con.	
All establishments	number..	Quantity of electricity purchased for heat and power	1,000 kWh..
Establishments with 1 to 19 employees	number..	Quantity of electricity generated less sold for heat and power ...	1,000 kWh..
Establishments with 20 to 99 employees	number..	Total value of shipments	\$1,000..
Establishments with 100 employees or more	number..	Value of resales	\$1,000..
All employees	number..	Value added	\$1,000..
Total compensation	\$1,000..	Total inventories, beginning of year	\$1,000..
Annual payroll	\$1,000..	Finished goods inventories, beginning of year	\$1,000..
Total fringe benefits	\$1,000..	Work-in-process inventories, beginning of year	\$1,000..
Production workers, average for year	number..	Materials and supplies inventories, beginning of year	\$1,000..
Production workers on March 12	number..	Total inventories, end of year	\$1,000..
Production workers on May 12	number..	Finished goods inventories, end of year	\$1,000..
Production workers on August 12	number..	Work-in-process inventories, end of year	\$1,000..
Production workers on November 12	number..	Materials and supplies inventories, end of year	\$1,000..
Production-worker hours	1,000..	Gross book value of total assets at beginning of year	\$1,000..
Production-worker wages	\$1,000..	Total capital expenditures (new and used)	\$1,000..
Total cost of materials	\$1,000..	Capital expenditures for buildings and other structures (new and used)	\$1,000..
Cost of materials, parts, containers, etc., consumed	\$1,000..	Capital expenditures for machinery and equipment (new and used)	\$1,000..
Cost of resales	\$1,000..	Total retirements	\$1,000..
Cost of fuels	\$1,000..	Gross book value of total assets at end of year	\$1,000..
Cost of purchased electricity	\$1,000..	Total depreciation during year	\$1,000..
Cost of contract work	\$1,000..	Total rental payments	\$1,000..
Quantity of electricity purchased for heat and power	1,000 kWh..	Buildings on other structures rental payments	\$1,000..
Quantity of electricity generated less sold for heat and power ...	1,000 kWh..	Machinery and equipment rental payments	\$1,000..
Total value of shipments	\$1,000..	Cost of purchased services for the repair of buildings and other structures ²	\$1,000..
Value of resales	\$1,000..	Response coverage ratio ³	percent..
Value added	\$1,000..	Cost of purchased services for the repair of machinery and equipment ²	\$1,000..
Total inventories, beginning of year	\$1,000..	Response coverage ratio ³	percent..
Finished goods inventories, beginning of year	\$1,000..	Cost of purchased communications services ²	\$1,000..
Work-in-process inventories, beginning of year	\$1,000..	Response coverage ratio ³	percent..
Materials and supplies inventories, beginning of year	\$1,000..	Cost of purchased legal services ²	\$1,000..
Total inventories, end of year	\$1,000..	Response coverage ratio ³	percent..
Finished goods inventories, end of year	\$1,000..	Cost of purchased accounting and bookkeeping services services ²	\$1,000..
Work-in-process inventories, end of year	\$1,000..	Response coverage ratio ³	percent..
Materials and supplies inventories, end of year	\$1,000..	Cost of purchased advertising services ²	\$1,000..
Gross book value of total assets at beginning of year	\$1,000..	Response coverage ratio ³	percent..
Total capital expenditures (new and used)	\$1,000..	Cost of purchased software and other data processing services ²	\$1,000..
Capital expenditures for buildings and other structures (new and used)	\$1,000..	Response coverage ratio ³	percent..
Capital expenditures for machinery and equipment (new and used)	\$1,000..	Cost of purchased refuse removal (including hazardous waste) services ²	\$1,000..
Total retirements	\$1,000..	Response coverage ratio ³	percent..
Gross book value of total assets at end of year	\$1,000..		
Total depreciation during year	\$1,000..	324, PETROLEUM & COAL PRODUCTS MFG	
Total rental payments	\$1,000..	Companies ¹	
Buildings on other structures rental payments	\$1,000..	All establishments	
Machinery and equipment rental payments	\$1,000..	Establishments with 1 to 19 employees	
Cost of purchased services for the repair of buildings and other structures ²	\$1,000..	Establishments with 20 to 99 employees	
Response coverage ratio ³	percent..	Establishments with 100 employees or more	
Cost of purchased services for the repair of machinery and equipment ²	\$1,000..	All employees	
Response coverage ratio ³	percent..	Total compensation	
Cost of purchased communications services ²	\$1,000..	Annual payroll	
Response coverage ratio ³	percent..	Total fringe benefits	
Cost of purchased legal services ²	\$1,000..	Production workers, average for year	
Response coverage ratio ³	percent..	Production workers on March 12	
Cost of purchased accounting and bookkeeping services services ²	\$1,000..	Production workers on May 12	
Response coverage ratio ³	percent..	Production workers on August 12	
Cost of purchased advertising services ²	\$1,000..	Production workers on November 12	
Response coverage ratio ³	percent..	Production-worker hours	
Cost of purchased software and other data processing services ²	\$1,000..	Production-worker wages	
Response coverage ratio ³	percent..	Total cost of materials	
Cost of purchased refuse removal (including hazardous waste) services ²	\$1,000..	Cost of materials, parts, containers, etc., consumed	
Response coverage ratio ³	percent..	Cost of resales	
		Cost of fuels	
		Cost of purchased electricity	
		Cost of contract work	
		Quantity of electricity purchased for heat and power	
		Quantity of electricity generated less sold for heat and power ...	
		Total value of shipments	
		Value of resales	
		Value added	
		Total inventories, beginning of year	
		Finished goods inventories, beginning of year	
		Work-in-process inventories, beginning of year	
		Materials and supplies inventories, beginning of year	
		Total inventories, end of year	
		Finished goods inventories, end of year	
		Work-in-process inventories, end of year	
		Materials and supplies inventories, end of year	
		Gross book value of total assets at beginning of year	
		Total capital expenditures (new and used)	
		Capital expenditures for buildings and other structures (new and used)	
		Capital expenditures for machinery and equipment (new and used)	
		Total retirements	
		Gross book value of total assets at end of year	

MANUFACTURING—SUBJECT SERIES

GENERAL SUMMARY—INDUSTRY STATISTICS 1–41

Table 1–3. Detailed Statistics by Subsector: 1997—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Value	Item	Value
324, PETROLEUM & COAL PRODUCTS MFG—Con.		326, PLASTICS & RUBBER PRODUCTS MFG	
Total depreciation during year	\$1,000.. 3 321 421	Companies ¹	number.. 13 798
Total rental payments	\$1,000.. 417 799	All establishments	number.. 16 821
Buildings on other structures rental payments	\$1,000.. 136 676	Establishments with 1 to 19 employees	number.. 8 179
Machinery and equipment rental payments	\$1,000.. 281 123	Establishments with 20 to 99 employees	number.. 5 917
Cost of purchased services for the repair of buildings and other structures ²	\$1,000.. 124 533	Establishments with 100 employees or more	number.. 2 725
Response coverage ratio ³	percent.. 76	All employees	number.. 1 023 060
Cost of purchased services for the repair of machinery and equipment ²	\$1,000.. 1 383 125	Total compensation	\$1,000.. 37 564 944
Response coverage ratio ³	percent.. 76	Annual payroll	\$1,000.. 29 804 904
Cost of purchased communications services ²	\$1,000.. 47 641	Total fringe benefits	\$1,000.. 7 760 040
Response coverage ratio ³	percent.. 76	Production workers, average for year	number.. 805 689
Cost of purchased legal services ²	\$1,000.. 46 015	Production workers on March 12	number.. 800 626
Response coverage ratio ³	percent.. 76	Production workers on May 12	number.. 806 226
Cost of purchased accounting and bookkeeping services services ²	\$1,000.. 19 417	Production workers on August 12	number.. 806 310
Response coverage ratio ³	percent.. 76	Production workers on November 12	number.. 809 594
Cost of purchased advertising services ²	\$1,000.. 32 644	Production-worker hours	1,000.. 1 607 820
Response coverage ratio ³	percent.. 76	Production-worker wages	\$1,000.. 19 828 676
Cost of purchased software and other data processing services ²	\$1,000.. 41 897	Total cost of materials	\$1,000.. 77 994 466
Response coverage ratio ³	percent.. 76	Cost of materials, parts, containers, etc., consumed	\$1,000.. 69 621 432
Cost of purchased refuse removal (including hazardous waste) services ²	\$1,000.. 135 985	Cost of resales	\$1,000.. D
Response coverage ratio ³	percent.. 76	Cost of fuels	\$1,000.. 616 316
		Cost of purchased electricity	\$1,000.. 2 715 691
		Cost of contract work	\$1,000.. D
		Quantity of electricity purchased for heat and power	1,000 kWh.. 49 876 149
		Quantity of electricity generated less sold for heat and power	1,000 kWh.. 54 511
		Total value of shipments	\$1,000.. 159 161 346
		Value of resales	\$1,000.. D
		Value added	\$1,000.. 81 349 082
		Total inventories, beginning of year	\$1,000.. 15 574 510
		Finished goods inventories, beginning of year	\$1,000.. 7 159 313
		Work-in-process inventories, beginning of year	\$1,000.. 2 109 296
		Materials and supplies inventories, beginning of year	\$1,000.. 6 305 901
		Total inventories, end of year	\$1,000.. 15 979 716
		Finished goods inventories, end of year	\$1,000.. 7 260 449
		Work-in-process inventories, end of year	\$1,000.. 2 190 362
		Materials and supplies inventories, end of year	\$1,000.. 6 528 905
		Gross book value of total assets at beginning of year	\$1,000.. 70 033 707
		Total capital expenditures (new and used)	\$1,000.. 7 836 663
		Capital expenditures for buildings and other structures (new and used)	\$1,000.. 1 077 018
		Capital expenditures for machinery and equipment (new and used)	\$1,000.. 6 759 645
		Total retirements	\$1,000.. 1 946 969
		Gross book value of total assets at end of year	\$1,000.. 75 923 401
		Total depreciation during year	\$1,000.. 5 238 697
		Total rental payments	\$1,000.. 1 715 051
		Buildings on other structures rental payments	\$1,000.. 934 875
		Machinery and equipment rental payments	\$1,000.. 780 176
		Cost of purchased services for the repair of buildings and other structures ²	\$1,000.. 247 799
		Response coverage ratio ³	percent.. 80
		Cost of purchased services for the repair of machinery and equipment ²	\$1,000.. 1 532 415
		Response coverage ratio ³	percent.. 80
		Cost of purchased communications services ²	\$1,000.. 254 823
		Response coverage ratio ³	percent.. 80
		Cost of purchased legal services ²	\$1,000.. 200 611
		Response coverage ratio ³	percent.. 80
		Cost of purchased accounting and bookkeeping services services ²	\$1,000.. 111 077
		Response coverage ratio ³	percent.. 80
		Cost of purchased advertising services ²	\$1,000.. 328 978
		Response coverage ratio ³	percent.. 80
		Cost of purchased software and other data processing services ²	\$1,000.. 155 136
		Response coverage ratio ³	percent.. 80
		Cost of purchased refuse removal (including hazardous waste) services ²	\$1,000.. 197 125
		Response coverage ratio ³	percent.. 80
		327, NONMETALLIC MINERAL PRODUCT MFG	
		Companies ¹	number.. 11 921
		All establishments	number.. 16 310
		Establishments with 1 to 19 employees	number.. 11 023
		Establishments with 20 to 99 employees	number.. 4 282
		Establishments with 100 employees or more	number.. 1 005
		All employees	number.. 501 471
		Total compensation	\$1,000.. 20 546 013
		Annual payroll	\$1,000.. 16 172 049
		Total fringe benefits	\$1,000.. 4 373 964
		Production workers, average for year	number.. 388 898
		Production workers on March 12	number.. 382 463
		Production workers on May 12	number.. 389 881
		Production workers on August 12	number.. 393 575
		Production workers on November 12	number.. 389 673
		Production-worker hours	1,000.. 797 684
		Production-worker wages	\$1,000.. 11 319 464
		Total cost of materials	\$1,000.. 37 072 480
		Cost of materials, parts, containers, etc., consumed	\$1,000.. 29 445 504
		Cost of resales	\$1,000.. 2 813 385
		Cost of fuels	\$1,000.. 2 226 353
		Cost of purchased electricity	\$1,000.. 1 813 727
		Cost of contract work	\$1,000.. 773 511

Table 1–3. Detailed Statistics by Subsector: 1997—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Value	Item	Value
327, NONMETALLIC MINERAL PRODUCT MFG—Con.		331, PRIMARY METAL MFG—Con.	
Quantity of electricity purchased for heat and power 1,000 kWh..	37 627 285	Total depreciation during year \$1,000..	4 915 218
Quantity of electricity generated less sold for heat and power . . . 1,000 kWh..	218 575	Total rental payments \$1,000..	739 047
Total value of shipments \$1,000..	86 464 708	Buildings on other structures rental payments \$1,000..	D
Value of resales \$1,000..	3 623 829	Machinery and equipment rental payments \$1,000..	D
Value added \$1,000..	49 425 491	Cost of purchased services for the repair of buildings and other structures ² \$1,000..	347 334
Total inventories, beginning of year \$1,000..	8 636 639	Response coverage ratio ³ percent..	81
Finished goods inventories, beginning of year \$1,000..	4 433 370	Cost of purchased services for the repair of machinery and equipment ² \$1,000..	3 064 246
Work-in-process inventories, beginning of year \$1,000..	1 178 562	Response coverage ratio ³ percent..	81
Materials and supplies inventories, beginning of year \$1,000..	3 024 707	Cost of purchased communications services ² \$1,000..	130 207
Total inventories, end of year \$1,000..	8 840 326	Response coverage ratio ³ percent..	81
Finished goods inventories, end of year \$1,000..	4 457 304	Cost of purchased legal services ² \$1,000..	137 784
Work-in-process inventories, end of year \$1,000..	1 187 891	Response coverage ratio ³ percent..	81
Materials and supplies inventories, end of year \$1,000..	3 195 131	Cost of purchased accounting and bookkeeping services services ² \$1,000..	57 395
Gross book value of total assets at beginning of year \$1,000..	52 111 157	Response coverage ratio ³ percent..	81
Total capital expenditures (new and used) \$1,000..	4 798 921	Cost of purchased advertising services ² \$1,000..	71 736
Capital expenditures for buildings and other structures (new and used) \$1,000..	D	Response coverage ratio ³ percent..	81
Capital expenditures for machinery and equipment (new and used) \$1,000..	D	Cost of purchased software and other data processing services ² \$1,000..	174 824
Total retirements \$1,000..	1 346 137	Response coverage ratio ³ percent..	81
Gross book value of total assets at end of year \$1,000..	55 563 941	Cost of purchased refuse removal (including hazardous waste) services ² \$1,000..	405 136
Total depreciation during year \$1,000..	3 601 793	Response coverage ratio ³ percent..	81
Total rental payments \$1,000..	896 628	332, FABRICATED METAL PRODUCT MFG	
Buildings on other structures rental payments \$1,000..	348 256	Companies ¹ number..	58 516
Machinery and equipment rental payments \$1,000..	548 372	All establishments number..	62 384
Cost of purchased services for the repair of buildings and other structures ² \$1,000..	196 262	Establishments with 1 to 19 employees number..	43 363
Response coverage ratio ³ percent..	77	Establishments with 20 to 99 employees number..	15 403
Cost of purchased services for the repair of machinery and equipment ² \$1,000..	1 480 806	Establishments with 100 employees or more number..	3 618
Response coverage ratio ³ percent..	77	All employees number..	1 763 772
Cost of purchased communications services ² \$1,000..	138 707	Total compensation \$1,000..	70 092 703
Response coverage ratio ³ percent..	77	Annual payroll \$1,000..	56 631 583
Cost of purchased legal services ² \$1,000..	75 710	Total fringe benefits \$1,000..	13 461 120
Response coverage ratio ³ percent..	77	Production workers, average for year number..	1 327 053
Cost of purchased accounting and bookkeeping services services ² \$1,000..	66 182	Production workers on March 12 number..	1 311 357
Response coverage ratio ³ percent..	77	Production workers on May 12 number..	1 321 311
Cost of purchased advertising services ² \$1,000..	145 941	Production workers on August 12 number..	1 332 847
Response coverage ratio ³ percent..	77	Production workers on November 12 number..	1 342 697
Cost of purchased software and other data processing services ² \$1,000..	56 066	Production-worker hours 1,000..	2 674 948
Response coverage ratio ³ percent..	77	Production-worker wages \$1,000..	36 251 771
Cost of purchased refuse removal (including hazardous waste) services ² \$1,000..	132 812	Total cost of materials \$1,000..	110 067 843
Response coverage ratio ³ percent..	77	Cost of materials, parts, containers, etc., consumed \$1,000..	91 741 837
		Cost of resales \$1,000..	7 189 587
		Cost of fuels \$1,000..	1 187 949
		Cost of purchased electricity \$1,000..	2 504 217
		Cost of contract work \$1,000..	7 444 253
331, PRIMARY METAL MFG		Quantity of electricity purchased for heat and power 1,000 kWh..	41 510 070
Companies ¹ number..	4 076	Quantity of electricity generated less sold for heat and power . . . 1,000 kWh..	80 093
All establishments number..	5 059	Total value of shipments \$1,000..	242 813 453
Establishments with 1 to 19 employees number..	1 982	Value of resales \$1,000..	D
Establishments with 20 to 99 employees number..	1 699	Value added \$1,000..	133 493 077
Establishments with 100 employees or more number..	1 378	Total inventories, beginning of year \$1,000..	30 466 548
All employees number..	605 085	Finished goods inventories, beginning of year \$1,000..	10 007 795
Total compensation \$1,000..	31 787 971	Work-in-process inventories, beginning of year \$1,000..	9 723 062
Annual payroll \$1,000..	23 811 233	Materials and supplies inventories, beginning of year \$1,000..	10 735 691
Total fringe benefits \$1,000..	7 976 738	Total inventories, end of year \$1,000..	31 774 159
Production workers, average for year number..	479 552	Finished goods inventories, end of year \$1,000..	10 242 479
Production workers on March 12 number..	476 419	Work-in-process inventories, end of year \$1,000..	10 235 845
Production workers on May 12 number..	477 740	Materials and supplies inventories, end of year \$1,000..	11 295 835
Production workers on August 12 number..	480 584	Gross book value of total assets at beginning of year \$1,000..	84 158 547
Production workers on November 12 number..	483 465	Total capital expenditures (new and used) \$1,000..	9 368 661
Production-worker hours 1,000..	1 024 675	Capital expenditures for buildings and other structures (new and used) \$1,000..	1 327 706
Production-worker wages \$1,000..	17 354 552	Capital expenditures for machinery and equipment (new and used) \$1,000..	8 040 955
Total cost of materials \$1,000..	99 343 265	Total retirements \$1,000..	2 601 450
Cost of materials, parts, containers, etc., consumed \$1,000..	85 560 755	Gross book value of total assets at end of year \$1,000..	90 925 758
Cost of resales \$1,000..	1 955 569	Total depreciation during year \$1,000..	6 210 175
Cost of fuels \$1,000..	3 276 586	Total rental payments \$1,000..	3 508 600
Cost of purchased electricity \$1,000..	4 764 636	Buildings on other structures rental payments \$1,000..	1 713 187
Cost of contract work \$1,000..	3 785 719	Machinery and equipment rental payments \$1,000..	1 795 411
Quantity of electricity purchased for heat and power 1,000 kWh..	132 605 129	Cost of purchased services for the repair of buildings and other structures ² \$1,000..	452 485
Quantity of electricity generated less sold for heat and power . . . 1,000 kWh..	6 063 131	Response coverage ratio ³ percent..	76
Total value of shipments \$1,000..	168 117 728	Cost of purchased services for the repair of machinery and equipment ² \$1,000..	1 882 411
Value of resales \$1,000..	2 451 948	Response coverage ratio ³ percent..	76
Value added \$1,000..	68 749 487	Cost of purchased communications services ² \$1,000..	482 080
Total inventories, beginning of year \$1,000..	22 339 511	Response coverage ratio ³ percent..	76
Finished goods inventories, beginning of year \$1,000..	6 737 495	Cost of purchased legal services ² \$1,000..	436 112
Work-in-process inventories, beginning of year \$1,000..	8 250 057	Response coverage ratio ³ percent..	76
Materials and supplies inventories, beginning of year \$1,000..	7 351 959	Cost of purchased accounting and bookkeeping services services ² \$1,000..	277 295
Total inventories, end of year \$1,000..	22 727 686	Response coverage ratio ³ percent..	76
Finished goods inventories, end of year \$1,000..	6 938 459	Cost of purchased advertising services ² \$1,000..	623 407
Work-in-process inventories, end of year \$1,000..	8 024 117	Response coverage ratio ³ percent..	76
Materials and supplies inventories, end of year \$1,000..	7 765 110	Cost of purchased software and other data processing services ² \$1,000..	266 961
Gross book value of total assets at beginning of year \$1,000..	84 911 372	Response coverage ratio ³ percent..	76
Total capital expenditures (new and used) \$1,000..	6 515 752	Cost of purchased refuse removal (including hazardous waste) services ² \$1,000..	278 549
Capital expenditures for buildings and other structures (new and used) \$1,000..	D	Response coverage ratio ³ percent..	76
Capital expenditures for machinery and equipment (new and used) \$1,000..	D		
Total retirements \$1,000..	1 852 957		
Gross book value of total assets at end of year \$1,000..	89 574 167		

MANUFACTURING—SUBJECT SERIES

GENERAL SUMMARY—INDUSTRY STATISTICS 1–43

Table 1–3. Detailed Statistics by Subsector: 1997—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Value	Item	Value
333, MACHINERY MFG		334, COMPUTER & ELECTRONIC PRODUCT MFG	
Companies ¹		—Con.	
All establishments	number.. 27 983	Quantity of electricity purchased for heat and power	1,000 kWh.. 37 807 312
Establishments with 1 to 19 employees	number.. 30 599	Quantity of electricity generated less sold for heat and power ...	1,000 kWh.. D
Establishments with 20 to 99 employees	number.. 19 389	Total value of shipments	\$1,000.. 439 381 300
Establishments with 100 employees or more	number.. 8 184	Value of resales	\$1,000.. 23 809 139
All employees	number.. 1 420 512	Value added	\$1,000.. 252 629 768
Total compensation	\$1,000.. 66 367 624	Total inventories, beginning of year	\$1,000.. 50 060 531
Annual payroll	\$1,000.. 53 012 226	Finished goods inventories, beginning of year	\$1,000.. 11 385 088
Total fringe benefits	\$1,000.. 13 355 398	Work-in-process inventories, beginning of year	\$1,000.. 20 675 702
Production workers, average for year	number.. 936 047	Materials and supplies inventories, beginning of year	\$1,000.. 17 999 741
Production workers on March 12	number.. 935 918	Total inventories, end of year	\$1,000.. 53 045 620
Production workers on May 12	number.. 937 005	Finished goods inventories, end of year	\$1,000.. 12 346 594
Production workers on August 12	number.. 933 562	Work-in-process inventories, end of year	\$1,000.. 20 837 795
Production workers on November 12	number.. 937 703	Materials and supplies inventories, end of year	\$1,000.. 19 861 231
Production-worker hours	1,000.. 1 895 580	Gross book value of total assets at beginning of year	\$1,000.. 143 262 027
Production-worker wages	\$1,000.. 29 106 922	Total capital expenditures (new and used)	\$1,000.. 24 768 490
Total cost of materials	\$1,000.. 133 291 232	Capital expenditures for buildings and other structures (new and used)	\$1,000.. 4 416 765
Cost of materials, parts, containers, etc., consumed	\$1,000.. 114 610 059	Capital expenditures for machinery and equipment (new and used)	\$1,000.. 20 351 725
Cost of resales	\$1,000.. 11 918 830	Total retirements	\$1,000.. 8 794 684
Cost of fuels	\$1,000.. 511 192	Gross book value of total assets at end of year	\$1,000.. 159 250 346
Cost of purchased electricity	\$1,000.. 1 553 817	Total depreciation during year	\$1,000.. 15 374 405
Cost of contract work	\$1,000.. 4 697 334	Total rental payments	\$1,000.. 3 538 559
Quantity of electricity purchased for heat and power	1,000 kWh.. 26 947 941	Buildings on other structures rental payments	\$1,000.. 2 115 411
Quantity of electricity generated less sold for heat and power ...	1,000 kWh.. 22 787	Machinery and equipment rental payments	\$1,000.. 1 422 995
Total value of shipments	\$1,000.. 270 687 165	Cost of purchased services for the repair of buildings and other structures ²	\$1,000.. 522 201
Value of resales	\$1,000.. 15 706 729	Response coverage ratio ³	percent.. 74
Value added	\$1,000.. 137 934 706	Cost of purchased services for the repair of machinery and equipment ²	\$1,000.. 1 592 023
Total inventories, beginning of year	\$1,000.. 43 073 890	Response coverage ratio ³	percent.. 74
Finished goods inventories, beginning of year	\$1,000.. 13 537 137	Cost of purchased communications services ²	\$1,000.. 1 233 034
Work-in-process inventories, beginning of year	\$1,000.. 15 547 728	Response coverage ratio ³	percent.. 74
Materials and supplies inventories, beginning of year	\$1,000.. 13 989 025	Cost of purchased legal services ²	\$1,000.. 762 420
Total inventories, end of year	\$1,000.. 44 490 878	Response coverage ratio ³	percent.. 74
Finished goods inventories, end of year	\$1,000.. 14 131 366	Cost of purchased accounting and bookkeeping services services ²	\$1,000.. 264 226
Work-in-process inventories, end of year	\$1,000.. 15 492 272	Response coverage ratio ³	percent.. 74
Materials and supplies inventories, end of year	\$1,000.. 14 867 240	Cost of purchased advertising services ²	\$1,000.. 1 714 599
Gross book value of total assets at beginning of year	\$1,000.. 77 922 680	Response coverage ratio ³	percent.. 74
Total capital expenditures (new and used)	\$1,000.. 8 835 703	Cost of purchased software and other data processing services ²	\$1,000.. 1 286 947
Capital expenditures for buildings and other structures (new and used)	\$1,000.. 1 666 492	Response coverage ratio ³	percent.. 74
Capital expenditures for machinery and equipment (new and used)	\$1,000.. 7 169 211	Cost of purchased refuse removal (including hazardous waste) services ²	\$1,000.. 574 614
Total retirements	\$1,000.. 2 966 154	Response coverage ratio ³	percent.. 74
Gross book value of total assets at end of year	\$1,000.. 83 792 229	Companies ¹	number.. 5 839
Total depreciation during year	\$1,000.. 6 251 064	All establishments	number.. 6 930
Total rental payments	\$1,000.. 2 488 402	Establishments with 1 to 19 employees	number.. 3 618
Buildings on other structures rental payments	\$1,000.. 1 226 583	Establishments with 20 to 99 employees	number.. 1 928
Machinery and equipment rental payments	\$1,000.. 1 261 819	Establishments with 100 employees or more	number.. 1 384
Cost of purchased services for the repair of buildings and other structures ²	\$1,000.. 497 588	All employees	number.. 593 802
Response coverage ratio ³	percent.. 80	Total compensation	\$1,000.. 24 252 037
Cost of purchased services for the repair of machinery and equipment ²	\$1,000.. 1 217 068	Annual payroll	\$1,000.. 18 972 741
Response coverage ratio ³	percent.. 80	Total fringe benefits	\$1,000.. 5 279 296
Cost of purchased communications services ²	\$1,000.. 1 426 837	Production workers, average for year	number.. 432 273
Response coverage ratio ³	percent.. 80	Production workers on March 12	number.. 430 796
Cost of purchased legal services ²	\$1,000.. 537 486	Production workers on May 12	number.. 431 126
Response coverage ratio ³	percent.. 80	Production workers on August 12	number.. 432 650
Cost of purchased accounting and bookkeeping services services ²	\$1,000.. 334 934	Production workers on November 12	number.. 434 520
Response coverage ratio ³	percent.. 80	Production-worker hours	1,000.. 860 344
Cost of purchased advertising services ²	\$1,000.. 1 014 449	Production-worker wages	\$1,000.. 11 368 753
Response coverage ratio ³	percent.. 80	Total cost of materials	\$1,000.. 54 987 295
Cost of purchased software and other data processing services ²	\$1,000.. 518 695	Cost of materials, parts, containers, etc., consumed	\$1,000.. 49 463 514
Response coverage ratio ³	percent.. 80	Cost of resales	\$1,000.. 3 703 772
Cost of purchased refuse removal (including hazardous waste) services ²	\$1,000.. 244 626	Cost of fuels	\$1,000.. 265 132
Response coverage ratio ³	percent.. 80	Cost of purchased electricity	\$1,000.. 895 980
		Cost of contract work	\$1,000.. 658 897
334, COMPUTER & ELECTRONIC PRODUCT MFG		Quantity of electricity purchased for heat and power	1,000 kWh.. 16 436 990
Companies ¹		Quantity of electricity generated less sold for heat and power ...	1,000 kWh.. 23 595
All establishments	number.. 17 435	Total value of shipments	\$1,000.. 112 116 267
Establishments with 1 to 19 employees	number.. 9 822	Value of resales	\$1,000.. D
Establishments with 20 to 99 employees	number.. 4 721	Value added	\$1,000.. 57 215 610
Establishments with 100 employees or more	number.. 2 892	Total inventories, beginning of year	\$1,000.. 13 029 124
All employees	number.. 1 691 146	Finished goods inventories, beginning of year	\$1,000.. 4 778 099
Total compensation	\$1,000.. 89 471 578	Work-in-process inventories, beginning of year	\$1,000.. 3 445 055
Annual payroll	\$1,000.. 72 483 848	Materials and supplies inventories, beginning of year	\$1,000.. 4 805 970
Total fringe benefits	\$1,000.. 16 987 730	Total inventories, end of year	\$1,000.. 13 529 479
Production workers, average for year	number.. 877 002	Finished goods inventories, end of year	\$1,000.. 4 835 398
Production workers on March 12	number.. 866 497	Work-in-process inventories, end of year	\$1,000.. 3 474 394
Production workers on May 12	number.. 872 341	Materials and supplies inventories, end of year	\$1,000.. 5 219 687
Production workers on August 12	number.. 881 628	Gross book value of total assets at beginning of year	\$1,000.. 32 264 486
Production workers on November 12	number.. 887 542	Total capital expenditures (new and used)	\$1,000.. 3 598 750
Production-worker hours	1,000.. 1 746 314	Capital expenditures for buildings and other structures (new and used)	\$1,000.. 650 198
Production-worker wages	\$1,000.. 26 117 539	Capital expenditures for machinery and equipment (new and used)	\$1,000.. 2 948 552
Total cost of materials	\$1,000.. 187 875 131	Total retirements	\$1,000.. 1 004 239
Cost of materials, parts, containers, etc., consumed	\$1,000.. 161 203 604		
Cost of resales	\$1,000.. 17 932 114		
Cost of fuels	\$1,000.. 412 379		
Cost of purchased electricity	\$1,000.. 2 223 687		
Cost of contract work	\$1,000.. 6 103 347		

Table 1–3. Detailed Statistics by Subsector: 1997—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Value	Item	Value
335, ELECTRICAL EQUIPMENT, APPLIANCE, & COMPONENT MFG—Con.		336, TRANSPORTATION EQUIPMENT MFG—Con.	
Gross book value of total assets at end of year	\$1,000.. 34 858 997	Cost of purchased refuse removal (including hazardous waste) services ²	\$1,000.. 413 322
Total depreciation during year	\$1,000.. 2 627 864	Response coverage ratio ³	percent.. 82
Total rental payments	\$1,000.. 910 558	337, FURNITURE & RELATED PRODUCT MFG	
Buildings on other structures rental payments	\$1,000.. 412 487	Companies ¹	number.. 19 838
Machinery and equipment rental payments	\$1,000.. 498 071	All establishments	number.. 20 738
Cost of purchased services for the repair of buildings and other structures ²	\$1,000.. 165 067	Establishments with 1 to 19 employees	number.. 15 982
Response coverage ratio ³	percent.. 82	Establishments with 20 to 99 employees	number.. 3 510
Cost of purchased services for the repair of machinery and equipment ²	\$1,000.. 624 929	Establishments with 100 employees or more	number.. 1 246
Response coverage ratio ³	percent.. 82	All employees	number.. 603 668
Cost of purchased communications services ²	\$1,000.. 216 432	Total compensation	\$1,000.. 18 357 228
Response coverage ratio ³	percent.. 82	Annual payroll	\$1,000.. 14 986 222
Cost of purchased legal services ²	\$1,000.. 108 628	Total fringe benefits	\$1,000.. 3 371 006
Response coverage ratio ³	percent.. 82	Production workers, average for year	number.. 484 600
Cost of purchased accounting and bookkeeping services services ²	\$1,000.. 69 164	Production workers on March 12	number.. 480 928
Response coverage ratio ³	percent.. 82	Production workers on May 12	number.. 482 222
Cost of purchased advertising services ²	\$1,000.. 374 562	Production workers on August 12	number.. 485 369
Response coverage ratio ³	percent.. 82	Production workers on November 12	number.. 489 881
Cost of purchased software and other data processing services ²	\$1,000.. 92 380	Production-worker hours	1,000.. 936 574
Response coverage ratio ³	percent.. 82	Production-worker wages	\$1,000.. 10 217 032
Cost of purchased refuse removal (including hazardous waste) services ²	\$1,000.. 76 975	Total cost of materials	\$1,000.. 29 462 249
Response coverage ratio ³	percent.. 82	Cost of materials, parts, containers, etc., consumed	\$1,000.. 26 206 541
336, TRANSPORTATION EQUIPMENT MFG		Cost of resales	\$1,000.. 2 035 309
Companies ¹	number.. 10 979	Cost of fuels	\$1,000.. 176 022
All establishments	number.. 12 887	Cost of purchased electricity	\$1,000.. 489 911
Establishments with 1 to 19 employees	number.. 7 071	Cost of contract work	\$1,000.. 554 466
Establishments with 20 to 99 employees	number.. 3 205	Quantity of electricity purchased for heat and power	1,000 kWh.. 8 410 129
Establishments with 100 employees or more	number.. 2 611	Quantity of electricity generated less sold for heat and power ... 1,000 kWh ..	6 256
All employees	number.. 1 842 315	Total value of shipments	\$1,000.. 64 299 098
Total compensation	\$1,000.. 104 066 528	Value of resales	\$1,000.. 2 768 887
Annual payroll	\$1,000.. 79 616 518	Value added	\$1,000.. 34 839 134
Total fringe benefits	\$1,000.. 24 450 010	Total inventories, beginning of year	\$1,000.. 7 359 747
Production workers, average for year	number.. 1 340 735	Finished goods inventories, beginning of year	\$1,000.. 2 529 393
Production workers on March 12	number.. 1 326 570	Work-in-process inventories, beginning of year	\$1,000.. 1 522 555
Production workers on May 12	number.. 1 339 681	Materials and supplies inventories, beginning of year	\$1,000.. 3 307 799
Production workers on August 12	number.. 1 335 512	Total inventories, end of year	\$1,000.. 7 526 301
Production workers on November 12	number.. 1 361 177	Finished goods inventories, end of year	\$1,000.. 2 509 282
Production-worker hours	1,000.. 2 734 790	Work-in-process inventories, end of year	\$1,000.. 1 544 951
Production-worker wages	\$1,000.. 51 450 169	Materials and supplies inventories, end of year	\$1,000.. 3 472 068
Total cost of materials	\$1,000.. 348 121 929	Gross book value of total assets at beginning of year	\$1,000.. 16 056 592
Cost of materials, parts, containers, etc., consumed	\$1,000.. 328 011 652	Total capital expenditures (new and used)	\$1,000.. 1 744 608
Cost of resales	\$1,000.. 9 170 554	Capital expenditures for buildings and other structures (new and used)	\$1,000.. 373 001
Cost of fuels	\$1,000.. 986 669	Capital expenditures for machinery and equipment (new and used)	\$1,000.. 1 371 607
Cost of purchased electricity	\$1,000.. 2 773 661	Total retirements	\$1,000.. 364 350
Cost of contract work	\$1,000.. 7 179 393	Gross book value of total assets at end of year	\$1,000.. 17 436 850
Quantity of electricity purchased for heat and power	1,000 kWh.. 53 193 755	Total depreciation during year	\$1,000.. 1 196 681
Quantity of electricity generated less sold for heat and power ... 1,000 kWh ..	D	Total rental payments	\$1,000.. 926 636
Total value of shipments	\$1,000.. 575 306 996	Buildings on other structures rental payments	\$1,000.. 508 071
Value of resales	\$1,000.. 10 911 078	Machinery and equipment rental payments	\$1,000.. 418 565
Value added	\$1,000.. 227 510 551	Cost of purchased services for the repair of buildings and other structures ²	\$1,000.. 99 983
Total inventories, beginning of year	\$1,000.. 65 287 222	Response coverage ratio ³	percent.. 76
Finished goods inventories, beginning of year	\$1,000.. 8 337 030	Cost of purchased services for the repair of machinery and equipment ²	\$1,000.. 287 374
Work-in-process inventories, beginning of year	\$1,000.. 41 299 655	Response coverage ratio ³	percent.. 76
Materials and supplies inventories, beginning of year	\$1,000.. 15 650 537	Cost of purchased communications services ²	\$1,000.. 124 385
Total inventories, end of year	\$1,000.. 66 411 837	Response coverage ratio ³	percent.. 76
Finished goods inventories, end of year	\$1,000.. 9 417 828	Cost of purchased legal services ²	\$1,000.. 57 085
Work-in-process inventories, end of year	\$1,000.. 40 382 181	Response coverage ratio ³	percent.. 76
Materials and supplies inventories, end of year	\$1,000.. 16 611 828	Cost of purchased accounting and bookkeeping services services ²	\$1,000.. 50 634
Gross book value of total assets at beginning of year	\$1,000.. 161 502 918	Response coverage ratio ³	percent.. 76
Total capital expenditures (new and used)	\$1,000.. 19 251 148	Cost of purchased advertising services ²	\$1,000.. 415 791
Capital expenditures for buildings and other structures (new and used)	\$1,000.. 2 662 948	Response coverage ratio ³	percent.. 76
Capital expenditures for machinery and equipment (new and used)	\$1,000.. 16 588 200	Cost of purchased software and other data processing services ²	\$1,000.. 83 156
Total retirements	\$1,000.. 8 368 153	Response coverage ratio ³	percent.. 76
Gross book value of total assets at end of year	\$1,000.. 172 385 913	Cost of purchased refuse removal (including hazardous waste) services ²	\$1,000.. 68 784
Total depreciation during year	\$1,000.. 11 016 170	Response coverage ratio ³	percent.. 76
Total rental payments	\$1,000.. 2 132 324	339, MISCELLANEOUS MFG	
Buildings on other structures rental payments	\$1,000.. 936 950	Companies ¹	number.. 30 335
Machinery and equipment rental payments	\$1,000.. 1 195 374	All establishments	number.. 31 476
Cost of purchased services for the repair of buildings and other structures ²	\$1,000.. 604 818	Establishments with 1 to 19 employees	number.. 25 601
Response coverage ratio ³	percent.. 82	Establishments with 20 to 99 employees	number.. 4 458
Cost of purchased services for the repair of machinery and equipment ²	\$1,000.. 2 033 349	Establishments with 100 employees or more	number.. 1 417
Response coverage ratio ³	percent.. 82	All employees	number.. 725 396
Cost of purchased communications services ²	\$1,000.. 1 629 884	Total compensation	\$1,000.. 26 552 124
Response coverage ratio ³	percent.. 82	Annual payroll	\$1,000.. 21 618 204
Cost of purchased legal services ²	\$1,000.. 276 597	Total fringe benefits	\$1,000.. 4 933 920
Response coverage ratio ³	percent.. 82	Production workers, average for year	number.. 492 558
Cost of purchased accounting and bookkeeping services services ²	\$1,000.. 238 082	Production workers on March 12	number.. 489 187
Response coverage ratio ³	percent.. 82	Production workers on May 12	number.. 492 939
Cost of purchased advertising services ²	\$1,000.. 543 669	Production workers on August 12	number.. 492 752
Response coverage ratio ³	percent.. 82	Production workers on November 12	number.. 495 354
Cost of purchased software and other data processing services ²	\$1,000.. 1 327 679	Production-worker hours	1,000.. 938 191
Response coverage ratio ³	percent.. 82	Production-worker wages	\$1,000.. 10 970 663

Table 1–3. Detailed Statistics by Subsector: 1997—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Value	Item	Value
339, MISCELLANEOUS MFG—Con.		339, MISCELLANEOUS MFG—Con.	
Total cost of materials	\$1,000..	Gross book value of total assets at beginning of year—Con.	
Cost of materials, parts, containers, etc., consumed	\$1,000..	Total capital expenditures (new and used)—Con.	
Cost of resales	\$1,000..	Capital expenditures for machinery and equipment (new and used)	\$1,000..
Cost of fuels	\$1,000..	Total retirements	\$1,000..
Cost of purchased electricity	\$1,000..	Gross book value of total assets at end of year	\$1,000..
Cost of contract work	\$1,000..	Total depreciation during year	\$1,000..
Quantity of electricity purchased for heat and power	1,000 kWh..	Total rental payments	\$1,000..
Quantity of electricity generated less sold for heat and power ...	1,000 kWh..	Buildings on other structures rental payments	\$1,000..
Total value of shipments	\$1,000..	Machinery and equipment rental payments	\$1,000..
Value of resales	\$1,000..	Cost of purchased services for the repair of buildings and other structures ²	\$1,000..
Value added	\$1,000..	Response coverage ratio ³	percent..
Total inventories, beginning of year	\$1,000..	Cost of purchased services for the repair of machinery and equipment ²	\$1,000..
Finished goods inventories, beginning of year	\$1,000..	Response coverage ratio ³	percent..
Work-in-process inventories, beginning of year	\$1,000..	Cost of purchased communications services ²	\$1,000..
Materials and supplies inventories, beginning of year	\$1,000..	Response coverage ratio ³	percent..
Total inventories, end of year	\$1,000..	Cost of purchased legal services ²	\$1,000..
Finished goods inventories, end of year	\$1,000..	Response coverage ratio ³	percent..
Work-in-process inventories, end of year	\$1,000..	Cost of purchased accounting and bookkeeping services ²	\$1,000..
Materials and supplies inventories, end of year	\$1,000..	Response coverage ratio ³	percent..
Gross book value of total assets at beginning of year	\$1,000..	Cost of purchased software and other data processing services ²	\$1,000..
Total capital expenditures (new and used)	\$1,000..	Response coverage ratio ³	percent..
Capital expenditures for buildings and other structures (new and used)	\$1,000..	Cost of purchased refuse removal (including hazardous waste) services ²	\$1,000..
		Response coverage ratio ³	percent..

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.²Based on ASM sample data.³A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those ASM establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note: The amounts shown for purchased services reflect only those services that establishments purchase from other companies. Amounts purchased by central administrative offices and services provided to establishments by central administrative offices are excluded.

Table 1–4. Industry Statistics for Subsectors by Employment Size: 1997

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Employment size class	E ¹	All establishments		All employees		Production workers			Value added by materials (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33, MANUFACTURING												
All establishments	—	362 829	119 748	16 805 127	569 808 845	12 065 257	24 183 271	338 267 197	1 825 688 027	2 015 424 556	3 834 700 920	151 510 757
Establishments with—												
1 to 4 employees	7	124 115	—	254 907	5 886 466	202 171	313 657	3 773 644	14 833 331	13 733 361	28 694 928	1 279 123
5 to 9 employees	5	62 485	—	419 775	10 547 772	309 537	513 980	6 679 532	25 751 108	23 043 237	48 929 325	1 882 284
10 to 19 employees	3	56 481	—	775 689	21 194 723	562 184	1 004 175	12 904 980	51 712 811	47 685 966	99 481 490	3 835 121
20 to 49 employees	2	56 776	56 776	1 775 090	52 045 581	1 284 142	2 455 979	30 455 313	130 520 423	132 342 423	262 662 943	9 318 962
50 to 99 employees	1	28 050	28 050	1 967 207	59 794 213	1 429 295	2 855 189	35 091 102	160 675 838	179 221 348	339 203 549	12 281 294
100 to 249 employees	—	22 286	22 286	3 435 055	107 512 440	2 516 415	5 138 163	64 847 378	322 540 300	373 021 885	693 947 102	27 122 426
250 to 499 employees	—	7 854	7 854	2 716 694	87 227 360	2 007 449	4 146 196	54 070 500	290 254 397	333 576 866	622 554 684	25 163 185
500 to 999 employees	—	3 279	3 279	2 226 558	76 871 408	1 634 450	3 371 434	47 479 612	279 657 263	297 397 361	575 402 452	24 162 281
1,000 to 2,499 employees	—	1 187	1 187	1 718 853	69 757 190	1 218 350	2 531 906	41 930 320	264 479 110	284 605 885	548 338 172	25 493 020
2,500 employees or more	—	316	316	1 515 299	78 971 692	901 264	1 852 592	41 034 816	285 263 446	330 796 224	615 486 275	20 973 061
Administrative records ²	9	136 097	—	584 992	12 430 090	440 852	643 108	7 824 690	29 929 008	29 091 672	59 286 125	2 401 548
311, FOOD MFG												
All establishments	1	26 302	8 726	1 466 956	38 366 240	1 112 307	2 234 216	25 185 751	163 675 301	258 537 984	421 737 017	10 799 165
Establishments with—												
1 to 4 employees	7	9 671	—	18 849	328 089	14 655	19 780	203 418	1 111 905	1 539 104	2 670 534	69 826
5 to 9 employees	6	4 125	—	27 758	474 290	19 308	27 068	285 881	1 668 127	2 705 715	4 374 873	109 288
10 to 19 employees	3	3 780	—	51 964	1 004 715	35 263	55 320	594 405	3 494 480	6 597 909	10 097 401	235 269
20 to 49 employees	1	3 567	3 567	111 590	2 687 044	77 207	141 286	1 578 522	10 270 334	24 330 277	34 644 598	739 481
50 to 99 employees	1	1 942	1 942	137 163	3 710 660	98 233	197 669	2 267 796	15 249 553	31 368 585	46 591 889	1 191 765
100 to 249 employees	1	1 864	1 864	291 869	8 300 864	215 124	440 859	5 188 758	38 387 425	60 074 675	98 312 948	2 736 582
250 to 499 employees	—	780	780	276 396	7 871 913	207 269	431 906	5 130 593	35 048 589	48 974 271	83 843 890	2 397 277
500 to 999 employees	—	397	397	271 402	7 387 866	211 129	432 245	4 964 166	34 626 886	33 751 853	68 292 519	1 828 490
1,000 to 2,499 employees	—	159	159	225 392	5 280 284	189 744	397 317	4 020 625	20 830 173	36 021 631	56 769 966	1 247 851
2,500 employees or more	—	17	17	54 573	1 320 515	44 375	90 766	951 587	2 987 829	13 173 964	16 138 399	243 336
Administrative records ²	9	10 138	—	51 869	805 579	38 379	50 023	515 308	2 713 125	4 290 773	7 028 739	184 330

Table 1–4. Industry Statistics for Subsectors by Employment Size: 1997—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Employment size class	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
312, BEVERAGE & TOBACCO PRODUCT MFG												
All establishments	1	2 727	1 029	175 711	6 735 295	98 389	196 693	3 554 784	56 433 891	41 276 110	96 971 368	3 100 543
Establishments with—												
1 to 4 employees	8	964	—	1 833	42 300	1 345	2 074	25 008	188 412	178 590	359 833	13 238
5 to 9 employees	6	379	—	D	D	D	D	D	D	D	D	D
10 to 19 employees	5	355	—	4 857	119 510	2 716	4 905	59 908	525 469	489 730	992 511	56 606
20 to 49 employees	2	404	404	12 850	348 355	6 774	11 864	156 195	1 430 016	1 588 836	3 001 040	152 444
50 to 99 employees	1	226	226	D	D	D	D	D	D	D	D	D
100 to 249 employees	1	226	226	D	D	D	D	D	D	D	D	D
250 to 499 employees	—	118	118	41 039	1 448 763	20 233	45 149	653 092	8 273 804	9 474 633	17 675 275	456 530
500 to 999 employees	—	40	40	25 268	1 039 423	13 547	28 386	569 249	5 764 721	5 690 521	11 379 095	482 858
1,000 to 2,499 employees	—	11	11	18 130	974 860	14 487	26 340	731 200	17 686 094	5 137 684	22 824 124	772 505
2,500 employees or more	—	4	4	17 311	1 047 233	9 688	18 975	520 036	11 105 418	3 866 945	14 944 890	406 964
Administrative records ²	9	1 196	—	6 001	112 554	3 899	5 110	67 541	554 564	609 591	1 154 215	39 536
313, TEXTILE MILLS												
All establishments	1	4 694	2 136	391 899	10 058 482	332 385	695 900	7 439 112	23 696 948	34 876 899	58 707 401	2 691 704
Establishments with—												
1 to 4 employees	7	1 305	—	2 686	61 490	2 344	4 137	41 535	147 253	167 064	314 711	13 071
5 to 9 employees	6	681	—	D	D	D	D	D	D	D	D	D
10 to 19 employees	4	572	—	7 859	203 348	6 109	11 625	124 792	553 125	709 239	1 271 629	36 614
20 to 49 employees	2	620	620	19 413	514 552	15 159	29 972	320 838	1 411 458	1 681 580	3 103 427	111 283
50 to 99 employees	2	450	450	32 348	860 588	26 312	54 558	575 143	2 038 386	2 677 249	4 708 712	172 026
100 to 249 employees	1	625	625	D	D	D	D	D	D	D	D	D
250 to 499 employees	1	296	296	102 966	2 584 187	89 654	189 179	2 005 729	6 113 854	8 991 607	15 140 419	675 720
500 to 999 employees	—	114	114	75 682	1 903 630	65 366	135 027	1 490 296	4 156 692	6 661 825	10 824 718	455 541
1,000 to 2,499 employees	—	29	29	37 933	1 001 045	32 472	71 723	759 233	2 185 512	3 954 273	6 155 491	406 037
2,500 employees or more	4	2	2	D	D	D	D	D	D	D	D	D
Administrative records ²	9	1 779	—	10 172	205 724	8 671	15 226	148 535	454 420	518 341	971 559	47 458
314, TEXTILE PRODUCT MILLS												
All establishments	1	7 899	1 900	235 441	5 088 653	189 082	366 775	3 410 873	13 613 111	17 671 553	31 051 835	718 728
Establishments with—												
1 to 4 employees	7	3 519	—	D	D	D	D	D	D	D	D	D
5 to 9 employees	5	1 412	—	9 392	174 078	7 306	12 026	108 133	351 978	356 113	710 751	18 075
10 to 19 employees	4	1 068	—	D	D	D	D	D	D	D	D	D
20 to 49 employees	2	975	975	D	D	D	D	D	D	D	D	D
50 to 99 employees	1	421	421	29 713	605 730	23 599	43 605	379 290	1 363 885	1 595 067	2 927 848	75 438
100 to 249 employees	1	316	316	D	D	D	D	D	D	D	D	D
250 to 499 employees	—	118	118	41 744	942 645	35 111	73 787	690 340	2 911 235	4 096 037	6 989 565	155 511
500 to 999 employees	—	57	57	38 143	960 303	30 904	66 470	636 323	2 900 485	4 415 850	7 261 317	143 747
1,000 to 2,499 employees	1	12	12	15 133	361 735	11 313	23 560	276 635	1 245 686	1 650 025	2 867 208	55 287
2,500 employees or more	—	1	1	D	D	D	D	D	D	D	D	D
Administrative records ²	9	3 130	—	11 868	175 965	9 819	14 526	113 264	378 735	439 626	817 959	23 532
315, APPAREL MFG												
All establishments	1	16 989	6 354	710 796	12 582 352	592 290	1 060 314	8 799 442	33 780 193	34 683 500	68 018 116	941 178
Establishments with—												
1 to 4 employees	7	5 202	—	D	D	D	D	D	D	D	D	D
5 to 9 employees	5	2 694	—	18 056	277 795	15 528	25 202	204 155	694 648	608 722	1 293 078	21 686
10 to 19 employees	4	2 739	—	D	D	D	D	D	D	D	D	D
20 to 49 employees	3	3 194	3 194	100 217	1 548 238	84 963	140 940	1 084 237	3 547 046	3 258 330	6 780 940	94 302
50 to 99 employees	2	1 495	1 495	D	D	D	D	D	D	D	D	D
100 to 249 employees	2	1 123	1 123	174 613	3 064 403	145 847	268 000	2 164 091	7 510 512	8 370 883	15 721 795	203 943
250 to 499 employees	1	370	370	127 722	2 350 425	105 008	197 832	1 642 722	6 653 554	7 159 090	13 779 231	183 403
500 to 999 employees	—	141	141	93 037	1 759 215	77 836	146 990	1 285 775	6 047 405	6 184 347	12 143 706	136 931
1,000 to 2,499 employees	—	28	28	37 155	835 735	29 375	54 580	566 137	2 593 722	2 329 473	4 836 670	122 907
2,500 employees or more	—	3	3	8 170	236 945	5 940	11 100	137 260	936 431	669 438	1 584 492	8 565
Administrative records ²	9	5 042	—	29 081	357 950	26 054	40 465	283 701	709 455	494 927	1 203 657	29 513
316, LEATHER & ALLIED PRODUCT MFG												
All establishments	—	1 861	597	85 115	1 832 341	68 733	133 908	1 185 870	5 407 999	5 480 529	10 876 510	167 254
Establishments with—												
1 to 4 employees	8	746	—	1 457	25 728	1 202	2 044	17 584	65 111	73 143	139 998	2 443
5 to 9 employees	7	281	—	1 836	33 250	1 423	2 509	22 504	76 380	87 247	163 567	3 375
10 to 19 employees	4	237	—	3 260	61 843	2 486	4 564	40 004	137 193	156 387	293 663	6 913
20 to 49 employees	2	228	228	D	D	D	D	D	D	D	D	D
50 to 99 employees	1	155	155	D	D	D	D	D	D	D	D	D
100 to 249 employees	—	140	140	22 834	473 129	18 747	36 233	308 820	1 276 901	1 269 636	2 551 807	50 022
250 to 499 employees	—	50	50	17 914	390 566	14 561	28 262	262 986	1 343 135	1 323 714	2 677 559	43 275
500 to 999 employees	—	19	19	12 366	298 938	10 211	21 881	208 042	773 500	986 411	1 738 824	25 003
1,000 to 2,499 employees	—	5	5	7 051	184 314	5 594	10 964	88 922	735 616	457 058	1 171 178	10 898
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—	—
Administrative records ²	9	846	—	3 610	62 998	2 809	4 899	43 926	146 341	189 889	336 500	6 593

Table 1–4. Industry Statistics for Subsectors by Employment Size: 1997—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Employment size class	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 em- ploy- ees or more	Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
321, WOOD PRODUCT MFG												
All establishments	1	17 367	5 809	570 034	14 319 193	476 225	948 438	10 567 993	33 493 004	55 299 641	88 470 180	2 869 234
Establishments with—												
1 to 4 employees	7	5 450	—	11 157	204 348	9 855	15 031	164 977	510 097	782 284	1 299 747	101 530
5 to 9 employees	4	2 980	—	20 313	396 675	16 563	27 493	300 167	912 745	1 296 634	2 214 557	72 885
10 to 19 employees	2	3 128	—	—	D	D	D	D	D	D	D	D
20 to 49 employees	1	3 003	3 003	92 977	2 114 290	75 542	143 101	1 453 788	4 823 817	8 065 506	12 843 495	387 543
50 to 99 employees	1	1 433	1 433	99 968	2 425 247	82 983	169 680	1 729 167	5 930 847	10 243 642	16 084 365	519 569
100 to 249 employees	—	1 048	1 048	D	D	D	D	D	D	D	D	D
250 to 499 employees	—	267	267	90 787	2 460 405	77 954	162 036	1 913 733	5 605 170	9 472 663	14 997 662	397 597
500 to 999 employees	—	47	47	30 131	810 553	25 364	49 665	599 226	1 774 022	2 633 954	4 415 031	124 448
1,000 to 2,499 employees	—	7	7	8 777	256 406	7 565	16 579	209 197	584 332	759 062	1 353 475	26 430
2,500 employees or more	—	4	4	D	D	D	D	D	D	D	D	D
Administrative records ²	9	5 627	—	21 232	355 583	18 151	26 593	272 573	797 647	1 133 275	1 935 399	67 792
322, PAPER MFG												
All establishments	—	5 868	3 975	574 274	22 311 971	440 096	935 795	15 187 973	70 300 235	80 189 518	150 295 890	8 595 133
Establishments with—												
1 to 4 employees	8	687	—	D	D	D	D	D	D	D	D	D
5 to 9 employees	7	500	—	3 455	93 689	2 604	4 597	62 034	246 506	356 074	605 207	22 269
10 to 19 employees	5	706	—	10 043	286 022	7 440	13 576	174 270	708 702	953 438	1 672 662	54 378
20 to 49 employees	1	2 292	1 292	42 498	1 270 374	31 355	61 186	744 077	3 230 184	4 124 112	7 345 416	289 300
50 to 99 employees	—	1 033	1 033	73 835	2 412 233	55 493	116 083	1 514 369	6 337 762	8 339 051	14 686 755	598 576
100 to 249 employees	—	1 193	1 193	178 589	6 369 345	136 078	293 396	4 202 622	16 993 823	23 459 423	40 366 010	1 920 334
250 to 499 employees	—	265	265	89 131	3 463 886	68 356	145 274	2 400 491	11 179 559	12 801 424	23 940 239	1 419 278
500 to 999 employees	—	131	131	91 093	4 109 557	71 112	154 964	2 945 656	15 683 288	16 409 746	32 060 659	1 742 097
1,000 to 2,499 employees	—	59	59	78 015	3 903 333	61 779	135 379	2 913 640	14 032 292	12 759 428	26 780 579	2 374 950
2,500 employees or more	—	2	2	D	D	D	D	D	D	D	D	D
Administrative records ²	9	1 238	—	9 801	231 049	7 458	11 594	157 386	606 166	947 577	1 558 730	51 319
323, PRINTING & RELATED SUPPORT ACTIVITIES												
All establishments	2	42 863	8 209	834 404	26 022 991	607 637	1 164 310	16 336 416	58 392 618	39 219 976	97 485 138	5 052 110
Establishments with—												
1 to 4 employees	7	18 757	—	41 039	870 539	30 637	43 668	559 284	1 878 932	1 188 120	3 064 857	178 650
5 to 9 employees	3	9 693	—	63 861	1 504 309	46 239	72 628	962 090	3 146 558	1 881 804	5 026 889	222 871
10 to 19 employees	2	6 204	—	83 445	2 320 760	58 490	104 798	1 436 569	4 742 868	2 833 608	7 570 552	360 826
20 to 49 employees	2	4 740	4 740	145 267	4 576 171	102 769	195 688	2 692 436	9 381 605	5 653 417	15 045 619	740 419
50 to 99 employees	1	1 937	1 937	134 460	4 505 616	97 101	193 858	2 713 885	9 637 095	6 340 056	15 948 259	787 151
100 to 249 employees	1	1 115	1 115	165 974	5 758 062	120 021	242 250	3 547 695	13 574 094	9 632 194	23 189 968	1 114 191
250 to 499 employees	2	297	297	102 566	3 324 212	75 993	155 915	2 155 330	7 979 908	6 008 145	13 950 346	659 829
500 to 999 employees	2	96	96	64 872	2 165 933	50 225	101 998	1 519 111	5 566 592	3 892 541	9 432 251	807 153
1,000 to 2,499 employees	—	24	24	32 920	997 389	26 162	53 507	750 016	2 484 966	1 790 091	4 256 397	181 020
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—	—
Administrative records ²	9	17 115	—	54 374	1 011 585	40 366	52 203	657 867	2 156 585	1 427 179	3 580 528	163 561
324, PETROLEUM & COAL PRODUCTS MFG												
All establishments	1	2 146	675	107 625	5 546 082	71 554	161 036	3 421 272	37 610 773	139 509 979	177 393 098	4 755 162
Establishments with—												
1 to 4 employees	3	700	—	1 696	67 774	1 387	2 824	50 918	389 987	912 998	1 304 100	29 323
5 to 9 employees	3	454	—	2 937	116 275	2 146	4 244	77 108	571 720	1 282 139	1 864 177	47 168
10 to 19 employees	3	317	—	4 254	170 447	2 889	5 839	104 263	702 065	1 532 904	2 241 773	54 948
20 to 49 employees	2	308	308	9 722	376 251	6 370	13 080	212 456	2 869 189	3 886 695	6 824 157	150 084
50 to 99 employees	2	143	143	10 239	422 887	6 694	14 449	247 536	2 051 941	4 687 179	6 742 074	188 943
100 to 249 employees	1	132	132	21 001	966 210	14 279	32 393	598 919	5 476 286	17 780 876	23 335 359	486 170
250 to 499 employees	1	45	45	16 172	867 983	10 343	23 349	527 781	6 987 883	33 280 068	40 268 827	1 007 730
500 to 999 employees	—	31	31	20 951	1 261 796	13 830	32 236	774 958	7 531 224	37 081 797	44 408 309	1 381 085
1,000 to 2,499 employees	—	16	16	20 653	1 296 459	13 616	32 622	827 333	11 030 478	39 065 323	50 404 322	1 409 711
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—	—
Administrative records ²	9	379	—	1 958	57 482	1 374	2 091	35 669	239 736	607 389	849 095	18 119
325, CHEMICAL MFG												
All establishments	—	13 474	5 729	882 645	39 835 717	512 152	1 068 966	19 192 170	224 684 500	192 199 632	415 616 508	21 659 251
Establishments with—												
1 to 4 employees	5	3 600	—	D	D	D	D	D	D	D	D	D
5 to 9 employees	4	1 992	—	D	D	D	D	D	D	D	D	D
10 to 19 employees	3	2 153	—	29 720	1 024 050	17 710	32 598	502 159	5 057 158	4 944 563	9 996 228	465 530
20 to 49 employees	2	2 566	2 566	81 132	2 965 033	47 372	93 361	1 400 820	12 963 048	13 822 781	26 775 767	1 115 532
50 to 99 employees	1	1 387	1 387	97 313	3 843 118	57 712	119 410	1 884 237	19 579 147	20 885 880	40 405 035	1 709 898
100 to 249 employees	—	1 087	1 087	167 156	7 058 788	100 250	210 689	3 639 504	38 727 137	41 858 043	80 268 484	4 253 623
250 to 499 employees	—	402	402	139 541	6 118 345	86 438	180 984	3 247 405	41 190 879	35 069 276	76 245 530	4 011 075
500 to 999 employees	—	186	186	126 917	6 115 560	79 192	174 607	3 264 800	47 888 182	36 054 474	83 254 290	4 781 612
1,000 to 2,499 employees	—	86	86	129 198	6 522 089	75 870	160 074	3 186 865	29 963 850	25 507 617	55 633 064	3 050 010
2,500 employees or more	—	15	15	90 766	5 505 233	33 954	73 400	1 695 996	25 626 534	10 503 616	35 765 084	1 892 363
Administrative records ²	9	4 404	—	23 586	641 521	15 158	22 803	356 347	2 521 796	2 620 874	5 161 706	256 004

Table 1–4. Industry Statistics for Subsectors by Employment Size: 1997—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Employment size class	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
326, PLASTICS & RUBBER PRODUCTS MFG												
All establishments	1	16 821	8 642	1 023 060	29 804 904	805 689	1 607 820	19 828 676	81 349 082	77 994 466	159 161 346	7 836 663
Establishments with—												
1 to 4 employees	8	3 420	—	7 171	187 165	5 920	9 900	129 739	444 154	446 911	897 791	58 548
5 to 9 employees	6	2 119	—	14 518	371 784	11 305	19 596	247 308	956 621	939 620	1 897 852	90 635
10 to 19 employees	4	2 640	—	36 768	969 784	28 060	50 251	612 890	2 442 070	2 301 892	4 743 565	218 634
20 to 49 employees	2	3 620	3 620	116 516	3 108 609	88 893	168 885	1 889 451	8 038 299	7 782 227	15 781 418	714 723
50 to 99 employees	1	2 297	2 297	162 843	4 451 228	126 638	248 232	2 792 350	11 697 536	12 671 569	24 310 327	1 183 116
100 to 249 employees	1	1 929	1 929	295 937	8 177 461	234 254	473 592	5 411 369	22 148 978	22 216 399	44 310 037	2 153 282
250 to 499 employees	—	582	582	197 112	5 675 878	156 601	318 319	3 841 277	16 025 002	14 953 671	30 927 582	1 530 080
500 to 999 employees	—	160	160	107 827	3 346 836	84 374	179 653	2 268 864	10 222 363	8 292 306	18 542 208	1 129 171
1,000 to 2,499 employees	—	51	51	75 390	3 031 688	63 085	125 797	2 357 635	8 029 266	7 525 776	15 558 685	693 489
2,500 employees or more	—	3	3	8 978	484 471	6 559	13 595	277 793	1 344 793	864 095	2 191 881	64 985
Administrative records ²	9	4 783	—	28 675	622 263	23 020	35 333	431 379	1 580 801	1 681 779	3 271 486	161 711
327, NONMETALLIC MINERAL PRODUCT MFG												
All establishments	1	16 310	5 287	501 471	16 172 049	388 898	797 684	11 319 464	49 425 491	37 072 480	86 464 708	4 798 921
Establishments with—												
1 to 4 employees	5	5 005	—	10 156	247 838	8 526	14 305	184 567	900 497	913 605	1 821 666	74 745
5 to 9 employees	4	2 897	—	19 835	518 242	15 465	27 675	373 211	1 540 880	1 523 212	3 074 148	133 980
10 to 19 employees	2	3 121	—	43 069	1 218 871	32 492	63 080	840 580	3 442 812	3 429 541	6 871 778	371 139
20 to 49 employees	1	3 127	3 127	D	D	D	D	D	D	D	D	D
50 to 99 employees	1	1 155	1 155	D	D	D	D	D	D	D	D	D
100 to 249 employees	—	701	701	106 797	3 537 163	82 854	175 782	2 449 406	11 792 481	8 236 111	20 048 749	1 192 328
250 to 499 employees	—	215	215	72 572	2 541 831	59 349	125 376	1 929 644	7 725 884	5 223 456	12 937 437	796 587
500 to 999 employees	—	70	70	46 359	1 594 041	38 200	78 313	1 207 072	5 603 190	2 861 340	8 511 388	399 751
1,000 to 2,499 employees	—	18	18	24 443	1 007 302	20 042	43 602	748 501	3 342 069	1 362 078	4 663 628	546 004
2,500 employees or more	—	1	1	D	D	D	D	D	D	D	D	D
Administrative records ²	9	5 011	—	19 539	428 838	15 820	23 988	313 165	1 128 965	991 957	2 130 323	107 223
331, PRIMARY METAL MFG												
All establishments	—	5 059	3 077	605 085	23 811 233	479 552	1 024 675	17 354 552	68 749 487	99 343 265	168 117 728	6 515 752
Establishments with—												
1 to 4 employees	8	859	—	1 768	48 368	1 452	2 506	33 853	121 235	151 704	272 863	12 501
5 to 9 employees	6	502	—	D	D	D	D	D	D	D	D	D
10 to 19 employees	2	621	—	D	D	D	D	D	D	D	D	D
20 to 49 employees	1	979	979	31 611	967 444	24 728	49 080	639 869	2 593 936	3 622 666	6 199 587	229 689
50 to 99 employees	—	720	720	51 311	1 630 473	40 165	83 119	1 090 130	4 361 971	6 746 470	11 084 932	346 274
100 to 249 employees	—	797	797	127 314	4 318 656	99 117	210 795	2 969 117	12 070 760	18 218 948	30 211 139	1 006 316
250 to 499 employees	—	363	363	125 566	4 538 210	100 143	216 966	3 311 693	13 685 813	21 404 604	35 126 780	1 424 785
500 to 999 employees	—	145	145	97 012	4 030 252	77 530	167 448	2 985 349	10 957 301	18 742 255	29 829 834	1 073 842
1,000 to 2,499 employees	—	55	55	81 481	3 735 024	65 780	142 583	2 843 859	10 611 865	14 651 804	25 247 219	996 639
2,500 employees or more	—	18	18	77 021	4 193 993	61 278	135 036	3 247 532	13 474 539	14 669 777	28 107 607	1 353 118
Administrative records ²	8	1 318	—	7 593	191 921	6 104	9 659	136 818	451 202	564 748	1 018 495	46 972
332, FABRICATED METAL PRODUCT MFG												
All establishments	—	62 384	19 021	1 763 772	56 631 583	1 327 053	2 674 948	36 251 771	133 493 077	110 067 843	242 813 453	9 368 661
Establishments with—												
1 to 4 employees	8	20 123	—	42 338	1 052 634	34 275	55 790	703 081	2 121 446	1 394 504	3 518 141	166 210
5 to 9 employees	4	11 797	—	D	D	D	D	D	D	D	D	D
10 to 19 employees	2	11 443	—	157 220	4 761 472	117 795	218 769	3 032 324	9 796 000	6 137 760	15 940 314	699 108
20 to 49 employees	1	10 943	10 943	339 791	10 869 560	255 888	511 955	6 813 421	23 264 087	16 205 444	39 353 461	1 623 277
50 to 99 employees	—	4 460	4 460	309 589	9 996 713	233 888	481 279	6 300 711	22 329 247	19 209 788	41 405 099	1 605 784
100 to 249 employees	—	2 693	2 693	405 752	13 380 751	304 744	638 808	8 614 572	32 858 211	33 516 536	66 157 937	2 386 650
250 to 499 employees	—	672	672	225 594	7 357 708	169 699	355 667	4 821 102	19 817 989	17 554 072	37 223 920	1 346 587
500 to 999 employees	—	207	207	140 982	4 664 130	105 867	219 715	3 026 469	12 128 886	9 256 834	21 319 112	728 814
1,000 to 2,499 employees	—	45	45	59 220	2 163 353	43 334	87 439	1 390 429	6 342 143	4 003 630	10 267 383	481 668
2,500 employees or more	—	1	1	D	D	D	D	D	D	D	D	D
Administrative records ²	9	21 639	—	83 050	1 883 640	64 822	93 588	1 251 189	3 789 938	2 802 855	6 604 476	277 250
333, MACHINERY MFG												
All establishments	—	30 599	11 210	1 420 512	53 012 226	936 047	1 895 580	29 106 922	137 934 706	133 291 232	270 687 165	8 835 703
Establishments with—												
1 to 4 employees	8	8 835	—	18 417	560 183	13 680	23 467	339 374	1 174 436	846 363	2 039 172	88 081
5 to 9 employees	5	5 251	—	35 689	1 138 860	24 817	42 766	691 747	2 345 285	1 662 248	4 022 500	158 576
10 to 19 employees	3	5 303	—	D	D	D	D	D	D	D	D	D
20 to 49 employees	1	5 567	5 567	D	D	D	D	D	D	D	D	D
50 to 99 employees	1	2 617	2 617	183 935	6 754 100	121 067	251 053	3 668 201	14 811 816	12 636 708	27 293 635	962 687
100 to 249 employees	—	1 965	1 965	300 327	10 998 947	193 351	400 484	5 808 138	26 092 146	24 592 959	50 660 145	1 730 235
250 to 499 employees	—	642	642	221 412	8 200 056	141 827	296 910	4 376 776	21 278 210	20 588 644	41 616 120	1 299 738
500 to 999 employees	—	303	303	208 559	8 031 130	140 851	286 700	4 523 406	23 162 952	25 082 294	48 116 142	1 437 661
1,000 to 2,499 employees	—	94	94	132 048	5 264 823	84 547	169 955	2 823 699	16 889 401	19 421 650	36 307 834	1 368 308
2,500 employees or more	—	22	22	72 900	3 258 093	48 219	93 663	1 874 495	13 495 292	14 696 500	28 273 932	648 560
Administrative records ²	9	10 941	—	48 336	1 276 494	33 408	49 965	754 729	2 748 492	2 270 840	5 059 310	196 312

Table 1–4. Industry Statistics for Subsectors by Employment Size: 1997—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Employment size class	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
334. COMPUTER & ELECTRONIC PRODUCT MFG												
All establishments	—	17 435	7 613	1 691 146	72 483 848	877 002	1 746 314	26 117 539	252 629 768	187 875 131	439 381 300	24 768 490
Establishments with—												
1 to 4 employees	8	4 827	—	9 762	318 592	6 557	10 519	155 201	722 896	605 298	1 350 028	76 591
5 to 9 employees	8	2 497	—	16 782	561 440	9 663	16 922	258 801	1 267 218	956 556	2 256 679	128 935
10 to 19 employees	5	2 498	—	34 640	1 196 463	19 552	34 763	515 122	2 736 649	2 026 670	4 808 842	241 393
20 to 49 employees	3	2 952	2 952	93 488	3 274 440	54 017	101 473	1 336 544	7 404 091	5 144 271	12 606 676	537 031
50 to 99 employees	2	1 769	1 769	125 551	4 524 648	72 902	142 673	1 807 765	10 395 375	8 026 208	18 469 858	792 894
100 to 249 employees	1	1 589	1 589	D	D	D	D	D	D	D	D	D
250 to 499 employees	—	652	652	D	D	D	D	D	D	D	D	D
500 to 999 employees	—	380	380	266 071	10 917 883	150 719	303 368	4 456 294	37 820 621	30 373 489	68 069 391	4 223 004
1,000 to 2,499 employees	—	197	197	301 850	14 659 636	144 119	299 662	4 885 991	59 840 941	36 628 595	96 108 742	5 871 226
2,500 employees or more	—	74	74	367 085	19 020 108	144 048	287 278	5 442 798	82 071 623	63 073 555	144 469 319	6 885 548
Administrative records ²	9	7 270	—	43 829	1 242 234	25 663	40 768	595 913	2 729 353	2 134 403	4 939 929	323 724
335. ELECTRICAL EQUIPMENT, APPLIANCE, & COMPONENT MFG												
All establishments	—	6 930	3 312	593 802	18 972 741	432 273	860 344	11 368 753	57 215 610	54 987 295	112 116 267	3 598 750
Establishments with—												
1 to 4 employees	8	1 680	—	3 459	97 604	2 582	4 361	53 916	234 808	210 579	450 633	14 121
5 to 9 employees	7	937	—	6 383	189 554	4 375	7 701	102 118	464 899	397 125	872 938	26 048
10 to 19 employees	4	1 001	—	13 934	423 981	9 272	16 685	218 165	1 066 789	876 430	1 961 945	45 848
20 to 49 employees	2	1 211	1 211	38 705	1 210 673	25 525	48 839	588 849	2 818 108	2 432 980	5 271 415	118 741
50 to 99 employees	1	1 717	1 717	50 687	1 580 124	34 024	66 777	788 292	4 131 243	3 862 484	8 023 055	217 975
100 to 249 employees	—	774	774	120 774	3 719 194	85 024	172 412	2 057 047	10 807 521	11 160 917	21 931 977	695 504
250 to 499 employees	—	377	377	132 050	4 230 353	97 881	201 716	2 638 701	12 892 117	12 439 105	25 265 535	869 978
500 to 999 employees	—	167	167	112 599	3 543 681	83 838	165 889	2 234 714	11 733 192	11 187 976	22 926 206	768 121
1,000 to 2,499 employees	—	55	55	80 184	2 746 896	60 796	122 227	1 784 002	8 720 198	8 687 006	17 400 485	667 839
2,500 employees or more	—	11	11	35 027	1 230 681	28 956	53 737	902 949	4 346 735	3 732 693	8 012 078	174 575
Administrative records ²	9	2 501	—	13 736	349 444	9 838	15 898	204 106	876 353	773 105	1 669 596	51 018
336. TRANSPORTATION EQUIPMENT MFG												
All establishments	—	12 887	5 816	1 842 315	79 616 518	1 340 735	2 734 790	51 450 169	227 510 551	348 121 929	575 306 996	19 251 148
Establishments with—												
1 to 4 employees	8	3 566	—	D	D	D	D	D	D	D	D	D
5 to 9 employees	7	1 785	—	D	D	D	D	D	D	D	D	D
10 to 19 employees	5	1 720	—	23 837	643 587	18 211	30 366	404 788	1 569 780	1 706 538	3 263 437	114 781
20 to 49 employees	3	2 026	2 026	63 766	1 843 006	47 537	87 514	1 100 890	4 149 220	4 342 199	8 490 313	296 848
50 to 99 employees	1	1 179	1 179	83 347	2 435 414	63 373	124 926	1 534 135	5 627 483	6 358 851	11 956 087	471 451
100 to 249 employees	1	1 268	1 268	203 501	6 109 648	155 569	314 094	3 895 601	15 940 177	19 419 982	35 328 384	1 385 014
250 to 499 employees	—	720	720	250 534	7 799 284	195 186	397 110	5 211 402	21 133 897	29 066 748	50 061 131	1 940 673
500 to 999 employees	—	330	330	226 836	7 946 667	178 160	368 568	5 564 715	20 186 339	28 366 737	48 340 315	1 618 477
1,000 to 2,499 employees	—	161	161	246 716	11 968 862	194 645	408 220	8 902 233	35 347 281	56 402 178	91 171 088	4 557 983
2,500 employees or more	—	132	132	724 417	40 393 055	472 700	980 919	24 523 731	122 468 227	201 112 717	324 242 964	8 761 331
Administrative records ²	9	4 706	—	27 800	654 804	21 966	31 634	432 998	1 372 538	1 633 323	3 032 892	121 814
337. FURNITURE & RELATED PRODUCT MFG												
All establishments	1	20 738	4 756	603 668	14 986 222	484 600	936 574	10 217 032	34 839 134	29 462 249	64 299 098	1 744 608
Establishments with—												
1 to 4 employees	8	9 017	—	18 249	352 801	16 100	24 709	261 450	667 374	606 377	1 277 298	38 401
5 to 9 employees	5	3 960	—	26 332	554 468	20 991	34 965	398 971	1 067 625	910 928	1 984 724	55 419
10 to 19 employees	3	3 005	—	41 076	917 221	32 121	55 852	628 685	1 804 962	1 507 246	3 311 822	85 668
20 to 49 employees	2	2 398	2 398	74 158	1 803 623	57 450	106 503	1 164 130	3 596 641	2 987 791	6 581 630	188 126
50 to 99 employees	1	1 112	1 112	77 501	1 940 437	60 398	116 308	1 227 707	4 097 230	3 575 990	7 682 095	203 861
100 to 249 employees	1	806	806	125 170	3 103 930	98 917	195 165	2 061 864	7 488 778	6 887 754	14 426 474	366 487
250 to 499 employees	—	284	284	D	D	D	D	D	D	D	D	D
500 to 999 employees	—	120	120	78 873	1 950 718	65 892	135 015	1 437 090	4 679 685	3 768 540	8 423 373	247 669
1,000 to 2,499 employees	—	31	31	42 912	1 139 569	34 331	68 652	779 831	3 022 055	2 588 600	5 578 605	136 858
2,500 employees or more	—	5	5	D	D	D	D	D	D	D	D	D
Administrative records ²	9	9 408	—	33 145	582 564	27 902	40 770	425 915	1 099 137	1 042 501	2 146 679	63 383
339. MISCELLANEOUS MFG												
All establishments	1	31 476	5 875	725 396	21 618 204	492 558	938 191	10 970 663	61 452 548	38 263 345	99 729 798	3 432 599
Establishments with—												
1 to 4 employees	8	16 182	—	31 049	684 799	23 664	34 177	374 775	1 669 118	1 133 249	2 815 834	85 429
5 to 9 employees	6	5 549	—	36 670	893 382	25 70						

Table 2-1. Industry Statistics for States: 1997

[Includes data for industry groups and industries with 100 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

Geographic area	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
United States	-	362 829	119 748	16 805 127	569 808 845	12 065 257	24 183 271	338 267 197	1 825 688 027	2 015 424 556	3 834 700 920	151 510 757
Alabama	-	5 431	2 080	351 466	10 170 963	274 823	544 806	6 922 461	28 762 420	38 687 820	67 477 260	3 051 253
Alaska	-	486	101	10 722	329 324	8 669	18 942	236 311	1 153 433	2 104 778	3 283 362	129 586
Arizona	-	4 906	1 362	193 303	6 740 161	121 631	245 413	2 992 380	27 900 974	15 838 358	43 994 086	2 506 179
Arkansas	-	3 302	1 237	229 093	5 756 536	186 668	367 624	4 178 912	19 392 561	25 868 119	45 223 211	1 557 573
California	1	49 291	15 167	1 795 000	65 346 827	1 173 062	2 296 334	30 927 960	196 182 882	183 934 654	378 729 557	16 362 409
Colorado	1	5 466	1 252	172 307	6 170 883	114 457	224 728	3 156 218	20 609 367	19 311 738	39 812 716	1 698 936
Connecticut	1	5 829	1 914	250 848	10 401 916	152 009	315 068	4 877 952	27 298 479	19 789 500	46 864 998	1 861 915
Delaware	-	671	228	39 954	1 489 381	29 041	59 829	918 390	5 209 618	8 072 414	13 205 659	508 385
District of Columbia	2	199	35	2 847	100 865	1 916	3 714	60 680	170 633	149 165	319 884	9 832
Florida	1	15 951	3 593	427 566	12 973 069	288 139	555 402	6 721 651	39 767 726	37 289 528	76 706 327	2 927 882
Georgia	-	9 053	3 277	531 450	15 473 204	408 569	826 574	10 126 167	55 426 485	69 050 254	124 003 137	4 153 507
Hawaii	3	919	159	15 053	404 629	9 891	18 343	231 349	1 261 303	1 939 948	3 189 892	100 669
Idaho	-	1 643	417	65 997	2 094 462	50 198	89 069	1 272 880	6 383 900	10 620 606	16 900 224	1 393 009
Illinois	-	17 912	6 538	883 358	31 686 026	626 460	1 278 831	18 625 974	95 342 475	104 853 848	199 893 976	7 344 742
Indiana	-	9 279	3 928	625 684	22 163 782	477 158	978 646	14 919 136	67 173 341	75 629 502	142 182 844	5 525 986
Iowa	-	3 743	1 407	236 865	7 604 137	177 032	356 074	4 942 866	28 615 467	34 116 111	62 511 051	1 972 637
Kansas	-	3 296	1 140	193 002	6 513 519	140 573	280 314	4 039 225	18 987 474	29 081 270	47 080 651	1 486 041
Kentucky	-	4 205	1 707	288 541	9 197 961	224 434	455 748	6 249 883	39 062 786	48 696 757	87 515 235	3 426 692
Louisiana	-	3 536	1 164	164 938	6 025 203	122 970	256 824	3 949 080	27 463 050	31 043 098	78 333 959	3 513 342
Maine	1	1 809	510	81 279	2 562 912	62 022	120 642	1 736 601	6 698 567	7 386 714	14 066 822	592 362
Maryland	1	3 986	1 204	163 145	5 810 016	109 090	218 330	3 233 951	18 705 455	17 772 765	36 442 590	1 462 124
Massachusetts	1	9 534	3 295	415 224	16 274 205	256 775	520 200	7 737 438	45 132 888	33 561 345	78 612 764	3 635 273
Michigan	-	16 005	5 716	828 396	34 209 572	626 881	1 299 481	23 377 382	93 366 860	120 632 988	213 996 415	9 397 575
Minnesota	-	8 064	2 709	379 968	13 069 217	257 910	513 688	7 222 024	36 567 010	39 525 347	75 988 847	3 186 779
Mississippi	-	2 996	1 274	227 001	5 580 639	182 043	360 610	3 891 078	17 184 299	22 608 005	39 821 220	1 407 858
Missouri	-	7 477	2 482	367 549	11 551 114	267 979	526 652	7 135 310	43 071 878	47 323 830	92 745 261	2 656 471
Montana	-	1 158	178	19 478	557 878	14 884	27 386	392 709	1 876 897	3 105 758	18 096 992	150 462
Nebraska	-	1 958	610	106 556	3 034 134	83 975	172 999	2 129 405	10 460 265	17 459 386	27 939 376	721 776
Nevada	1	1 610	403	37 473	1 164 476	26 040	51 573	670 749	3 260 969	3 025 752	6 297 518	311 537
New Hampshire	1	2 321	751	97 928	3 318 423	68 228	134 236	1 920 807	11 129 674	8 528 850	19 663 103	700 466
New Jersey	1	11 788	3 809	407 272	15 314 686	274 363	555 738	8 112 739	49 432 983	46 768 915	96 179 751	3 096 106
New Mexico	-	1 588	290	39 539	1 131 505	29 244	56 972	718 570	13 487 517	4 675 305	18 096 992	572 910
New York	1	23 862	6 653	778 833	26 319 424	533 795	1 049 318	14 577 589	75 858 926	68 693 723	145 019 529	5 626 038
North Carolina	-	11 276	4 600	771 474	21 202 451	599 534	1 192 012	13 992 938	79 790 807	83 038 366	162 805 526	5 214 477
North Dakota	1	702	188	21 948	604 532	16 359	31 447	386 806	2 008 799	3 297 443	5 295 480	201 019
Ohio	-	17 921	6 855	980 133	35 811 374	727 110	1 494 596	23 489 758	112 361 392	129 408 857	241 489 801	8 851 039
Oklahoma	-	4 079	1 187	163 812	4 967 086	122 352	241 863	3 222 983	17 226 649	20 228 803	37 423 437	1 082 614
Oregon	-	5 749	1 662	211 329	7 045 200	157 068	314 114	4 513 660	25 100 453	22 613 809	47 534 802	3 018 411
Pennsylvania	1	17 087	6 319	820 204	27 528 493	593 401	1 187 997	17 002 772	86 116 509	86 181 634	171 494 390	6 840 011
Rhode Island	1	2 526	696	74 666	2 264 507	52 213	103 787	1 265 607	5 462 493	4 882 795	10 388 007	397 298
South Carolina	-	4 437	1 860	343 452	10 312 408	265 645	536 612	6 814 088	33 343 682	37 125 249	70 384 095	3 405 410
South Dakota	-	884	289	46 287	1 155 969	33 041	64 773	703 545	4 352 357	7 811 807	12 164 706	262 798
Tennessee	-	7 384	2 888	482 639	14 329 669	374 140	741 421	9 454 387	44 527 758	54 195 539	98 649 891	3 853 294
Texas	-	21 763	6 753	958 232	32 718 983	663 356	1 340 712	18 093 008	127 579 894	169 487 234	296 782 631	12 505 676
Utah	-	2 855	857	121 899	3 765 895	86 686	169 255	2 246 557	11 689 959	13 346 669	24 953 032	948 033
Vermont	-	1 225	339	42 503	1 457 047	29 291	57 719	757 088	4 028 276	3 929 084	7 799 397	732 944
Virginia	-	5 970	2 032	370 242	11 549 863	274 381	549 218	7 243 796	43 180 687	40 772 089	83 872 063	3 423 260
Washington	1	7 781	2 145	327 207	12 970 253	212 981	424 129	7 042 745	31 534 413	48 896 972	78 507 552	2 628 861
West Virginia	-	1 499	512	72 425	2 453 353	55 378	112 022	1 655 632	8 980 535	8 941 129	17 947 576	914 250
Wisconsin	-	9 914	3 886	560 582	18 874 331	414 966	829 277	12 001 190	54 974 219	62 210 676	117 150 720	4 134 060
Wyoming	1	503	90	8 448	256 382	6 426	12 209	174 810	1 030 583	1 910 250	2 955 070	76 990

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1-10 to 19 percent; 2-20 to 29 percent; 3-30 to 39 percent; 4-40 to 49 percent; 5-50 to 59 percent; 6-60 to 69 percent; 7-70 to 79 percent; 8-80 to 89 percent; 9-90 percent or more.

²Industries with 100 employees or more are shown. Some statistics are withheld to avoid disclosing data for individual companies. If employment is 100 or more, number of establishments is shown and employment-size range is indicated by one of the following symbols: c-100 to 249 employees; e-250 to 499 employees; f-500 to 999 employees; g-1,000 to 2,499 employees; h-2,500 to 4,999 employees; i-5,000 to 9,999 employees; j-10,000 to 24,999 employees; k-25,000 to 49,999 employees; l-50,000 to 99,999 employees; m-100,000 employees or more.

Table 2-2. Industry Statistics for Metropolitan Areas: 1997

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

Geographic area	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)
		Total	With 20 em- ploy- ees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
United States	-	362 829	119 748	16 805 127	569 808 845	12 065 257	24 183 271	338 267 197	1 825 688 027	2 015 424 556	3 834 700 920	151 510 757
Alabama	-	5 431	2 080	351 466	10 170 963	274 823	544 806	6 922 461	28 762 420	38 687 820	67 477 260	3 051 253
Anniston, AL MSA	-	149	65	10 841	257 848	8 573	16 609	178 367	718 000	812 995	1 504 506	54 261
Birmingham, AL MSA	-	1 118	399	47 875	1 476 126	35 043	74 600	936 955	3 896 849	4 928 155	8 875 096	280 083
Columbus, GA-AL MSA	1	230	99	19 930	597 036	15 017	32 427	394 338	2 171 632	2 183 278	4 357 805	221 782
Columbus, GA-AL MSA (AL Part)	-	49	19	3 295	107 782	2 757	6 049	80 709	540 642	462 403	1 000 399	89 114
Columbus, GA-AL MSA (GA Part)	1	181	80	16 635	489 254	12 260	26 378	313 629	1 630 990	1 720 875	3 357 406	132 668
Decatur, AL MSA	-	243	92	16 307	609 583	13 003	27 215	426 547	2 176 921	3 439 881	5 627 092	296 078
Dothan, AL MSA	-	150	55	10 474	254 396	8 132	16 547	170 106	698 423	835 372	1 522 766	59 597
Florence, AL MSA	-	232	71	12 812	367 183	10 297	21 457	261 049	591 750	1 600 981	2 354 618	86 211
Gadsden, AL MSA	1	136	47	8 775	276 968	6 778	13 997	184 542	679 026	900 527	1 577 010	59 507
Huntsville, AL MSA	-	403	142	35 040	1 387 375	23 917	47 460	878 386	3 613 692	4 811 339	8 311 278	259 755
Mobile, AL MSA	-	582	178	27 251	961 964	19 493	40 215	602 772	2 877 303	3 349 006	6 274 401	361 704
Montgomery, AL MSA	-	301	109	15 697	423 067	11 269	20 866	257 527	1 318 426	1 325 669	2 656 017	90 220
Tuscaloosa, AL MSA	-	160	57	10 738	388 146	8 500	17 269	275 459	926 357	1 663 679	2 557 859	232 117
Alaska	-	486	101	10 722	329 324	8 669	18 942	236 311	1 153 433	2 104 778	3 283 362	129 586
Anchorage, AK MSA	4	186	26	2 013	62 025	1 450	2 687	37 920	155 011	162 007	317 512	10 767
Arizona	-	4 906	1 362	193 303	6 740 161	121 631	245 413	2 992 380	27 900 974	15 838 358	43 994 086	2 506 179
Flagstaff, AZ-UT MSA	-	101	15	2 487	81 859	1 411	2 913	32 697	358 079	241 868	603 701	27 506
Flagstaff, AZ-UT MSA (AZ Part)	-	95	13	g	D	D	D	D	D	D	D	D
Flagstaff, AZ-UT MSA (UT Part)	-	6	2	e	D	D	D	D	D	D	D	D
Las Vegas, NV-AZ MSA	1	988	223	21 428	631 147	15 967	31 279	408 053	2 019 046	1 852 744	3 890 837	130 611
Las Vegas, NV-AZ MSA (AZ Part)	-	156	33	3 807	85 202	3 166	5 735	60 768	346 634	398 926	760 366	17 181
Las Vegas, NV-AZ MSA (NV Part)	1	832	190	17 621	545 945	12 801	25 544	347 285	1 672 412	1 453 818	3 130 471	113 430
Phoenix-Mesa, AZ MSA	-	3 430	1 021	148 108	5 192 454	92 204	188 593	2 310 765	23 020 637	11 678 513	34 601 624	2 241 601
Tucson, AZ MSA	-	762	198	26 666	1 060 576	14 960	28 807	354 694	3 417 807	2 400 468	6 133 408	153 294
Yuma, AZ MSA	-	66	17	3 041	54 607	2 701	5 266	42 916	158 034	232 735	389 463	10 278
Arkansas	-	3 302	1 237	229 093	5 756 536	186 668	367 624	4 178 912	19 392 561	25 868 119	45 223 211	1 557 573
Fayetteville-Springdale-Rogers, AR MSA	-	382	147	28 509	692 128	23 175	46 197	512 944	2 212 101	2 731 413	4 913 106	132 600
Fort Smith, AR-OK MSA	-	312	128	26 985	673 146	22 220	43 486	493 614	2 226 593	2 742 393	4 994 854	147 634
Fort Smith, AR-OK MSA (AR Part)	-	293	123	k	D	D	D	D	D	D	D	145 750
Fort Smith, AR-OK MSA (OK Part)	-	19	5	e	D	D	D	D	D	D	D	1 884
Jonesboro, AR MSA	-	122	45	6 886	184 942	5 474	11 083	125 946	507 570	758 253	1 257 594	39 684
Little Rock-North Little Rock, AR MSA	-	633	215	31 609	861 902	23 905	46 277	558 575	2 876 478	3 339 226	6 222 233	212 615
Memphis, TN-AR-MS MSA	-	1 149	471	57 634	1 854 726	40 058	80 976	1 065 814	6 192 353	8 430 963	14 703 789	498 743
Memphis, TN-AR-MS MSA (AR Part)	-	44	22	2 272	54 786	1 784	3 491	35 491	216 773	397 575	609 651	19 486
Memphis, TN-AR-MS MSA (MS Part)	1	129	61	6 977	207 151	5 165	11 188	132 937	553 437	786 858	1 339 191	39 128
Memphis, TN-AR-MS MSA (TN Part)	-	976	388	48 385	1 592 789	33 109	66 297	897 386	5 422 143	7 246 530	12 754 947	440 129
Pine Bluff, AR MSA	-	84	37	7 663	216 451	6 375	13 201	165 434	743 300	968 534	1 744 549	41 691
Texarkana, TX-TEXARKANA, AR MSA	-	100	33	6 330	227 682	4 665	9 383	152 714	622 525	855 184	1 471 132	57 204
Texarkana, TX-TEXARKANA, AR MSA (AR Part)	-	25	8	2 274	99 726	1 648	3 092	68 033	263 404	236 887	495 614	25 144
Texarkana, TX-TEXARKANA, AR MSA (TX Part)	-	75	25	4 056	127 956	3 017	6 291	84 681	359 121	618 297	975 518	32 060
California	1	49 291	15 167	1 795 000	65 346 827	1 173 062	2 296 334	30 927 960	196 182 882	183 934 654	378 729 557	16 362 409
Bakersfield, CA MSA	1	390	88	14 306	379 246	11 322	24 464	250 987	1 608 492	1 189 154	2 824 572	145 184
Chico-Paradise, CA MSA	2	232	55	5 226	132 654	4 184	8 031	92 784	386 425	404 961	788 663	41 327
Fresno, CA MSA	1	787	261	31 288	817 462	22 769	44 628	507 368	2 766 095	3 973 540	6 573 266	193 766
Los Angeles-Riverside-Orange County, CA CMSA	1	28 030	9 038	973 503	31 989 254	672 824	1 302 416	16 350 430	87 684 749	82 535 577	170 366 458	6 657 464
Los Angeles-Long Beach, CA PMSA	1	17 873	5 805	617 701	20 143 991	427 121	808 826	10 218 062	54 036 324	52 398 722	106 729 858	3 522 357
Orange County, CA PMSA	1	5 750	1 816	214 039	7 573 480	141 433	287 178	20 861 849	20 861 744	17 759 173	38 535 785	2 156 373
Riverside-San Bernardino, CA PMSA	1	3 401	1 098	108 285	3 136 778	82 212	161 488	1 960 902	9 375 931	9 721 423	19 083 771	746 939
Ventura, CA PMSA	1	1 006	319	33 478	1 135 005	22 058	44 924	554 617	3 410 750	2 656 259	6 017 044	231 795
Merced, CA MSA	1	123	52	8 377	198 384	6 756	13 749	148 746	673 843	1 873 201	2 443 359	73 832
Modesto, CA MSA	-	433	161	24 317	794 436	18 331	37 235	505 259	2 994 006	3 702 068	6 672 339	184 675
Redding, CA MSA	1	177	32	3 526	118 739	2 549	4 955	79 515	261 675	375 777	635 027	20 828
Sacramento-Yolo, CA CMSA												

Table 2-2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

Geographic area	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
Colorado	1	5 466	1 252	172 307	6 170 883	114 457	224 728	3 156 218	20 609 367	19 311 738	39 812 716	1 698 936
Colorado Springs, CO MSA	—	498	119	21 543	699 495	15 114	31 167	357 979	2 960 860	2 772 290	5 688 476	379 649
Denver—Boulder—Greeley, CO CMSA	1	3 524	870	114 563	4 302 050	75 473	145 418	2 187 390	14 160 869	12 270 188	26 302 396	956 304
Boulder—Longmont, CO PMSA	1	685	175	26 140	1 049 815	15 120	28 762	400 600	3 187 258	2 060 311	5 196 724	357 292
Denver, CO PMSA	1	2 631	628	77 650	2 906 876	52 602	101 326	1 589 242	9 184 678	7 702 707	16 767 207	513 677
Greeley, CO PMSA	—	208	67	10 773	345 359	7 751	15 330	197 548	1 788 933	2 507 170	4 338 465	85 335
Fort Collins—Loveland, CO MSA	—	384	88	15 840	645 044	8 321	15 778	256 233	1 999 485	1 834 149	3 894 356	252 442
Grand Junction, CO MSA	1	167	34	3 606	99 170	2 615	5 401	60 741	262 619	217 956	484 231	25 338
Pueblo, CO MSA	—	107	32	4 688	147 003	3 392	7 255	98 733	500 340	517 179	1 021 319	36 397
Connecticut	1	5 829	1 914	250 848	10 401 916	152 009	315 068	4 877 952	27 298 479	19 789 500	46 864 998	1 861 915
Boston—Worcester—Lawrence, MA—NH—ME—CT CMSA	1	8 825	3 057	393 348	15 697 919	240 852	484 139	7 447 978	46 573 198	34 225 382	80 768 743	3 632 504
Boston—Worcester—Lawrence, MA—NH—ME—CT CMSA (CT Part)	—	19	7	547	20 357	385	844	10 270	43 926	28 713	71 244	2 650
Boston—Worcester—Lawrence, MA—NH—ME—CT CMSA (ME Part)	—	41	8	1 061	31 196	734	1 653	21 597	S	S	348 004	4 828
Boston—Worcester—Lawrence, MA—NH—ME—CT CMSA (MA Part)	1	7 433	2 609	330 855	13 447 729	198 608	401 705	6 192 192	38 216 143	27 526 320	65 701 859	3 128 398
Boston—Worcester—Lawrence, MA—NH—ME—CT CMSA (NH Part)	1	1 332	433	60 885	2 198 637	41 125	79 937	1 223 919	8 228 762	6 410 610	14 647 636	496 628
Worcester, MA—CT PMSA	1	855	335	38 779	1 529 041	24 901	50 402	736 934	3 745 293	2 851 156	6 594 330	299 627
Worcester, MA—CT PMSA (CT Part)	—	19	7	547	20 357	385	844	10 270	43 926	28 713	71 244	2 650
Worcester, MA—CT PMSA (MA Part)	1	836	328	38 232	1 508 684	24 516	49 558	726 664	3 701 367	2 822 443	6 523 086	296 977
Hartford, CT MSA	1	2 071	705	89 313	3 748 543	55 582	115 102	1 851 225	8 382 623	6 765 098	14 963 968	560 745
New London—Norwich, CT—RI MSA ..	—	334	93	24 244	1 173 786	10 865	22 825	341 986	2 218 408	1 410 264	3 648 491	238 883
New London—Norwich, CT—RI MSA (CT Part)	1	288	78	22 719	1 125 251	9 708	20 455	308 897	2 100 970	1 303 244	3 420 042	232 189
New London—Norwich, CT—RI MSA (RI Part)	—	46	15	1 525	48 535	1 157	2 370	33 089	117 438	107 020	228 449	6 694
New York—Northern New Jersey—Long Island, NY—NJ—CT—PA CMSA ..	1	29 558	8 200	830 950	29 097 207	553 321	1 093 927	14 901 482	87 014 682	74 718 992	161 783 475	5 629 850
New York—Northern New Jersey—Long Island, NY—NJ—CT—PA CMSA (CT Part)	1	3 133	1 012	125 723	5 087 546	76 929	159 190	2 449 285	15 604 628	10 833 670	26 371 814	1 001 942
New York—Northern New Jersey—Long Island, NY—NJ—CT—PA CMSA (NJ Part)	1	9 861	3 169	333 660	12 664 586	223 013	454 720	6 555 475	41 282 057	36 805 865	77 989 382	2 587 972
New York—Northern New Jersey—Long Island, NY—NJ—CT—PA CMSA (NY Part)	2	16 536	4 015	371 232	11 334 976	253 202	479 752	5 893 542	30 102 207	26 976 237	57 285 948	2 036 548
New York—Northern New Jersey—Long Island, NY—NJ—CT—PA CMSA (PA Part)	—	28	4	335	10 099	177	265	3 180	25 790	103 220	136 331	3 388
Bridgeport, CT PMSA	1	843	272	37 092	1 587 135	22 815	46 622	801 694	3 502 180	2 614 378	6 278 436	225 120
Danbury, CT PMSA	—	354	112	14 774	662 650	8 441	17 349	284 039	2 247 461	1 558 024	3 809 784	115 679
New Haven—Meriden, CT PMSA ..	—	933	322	39 561	1 542 736	24 225	50 551	706 897	5 228 254	3 553 589	8 703 692	309 200
Stamford—Norwalk, CT PMSA	1	487	119	16 668	690 603	8 861	18 279	280 883	3 088 568	1 697 149	4 643 697	222 066
Waterbury, CT PMSA	1	516	187	17 628	604 422	12 587	26 389	375 772	1 538 165	1 410 530	2 936 205	129 877
Delaware	—	671	228	39 954	1 489 381	29 041	59 829	918 390	5 209 618	8 072 414	13 205 659	508 385
Dover, DE MSA	—	81	27	7 006	200 867	5 544	11 409	138 872	889 667	867 406	1 768 230	39 993
Philadelphia—Wilmington—Atlantic City, PA—NJ—DE—MD CMSA	1	7 550	2 502	291 975	11 050 670	196 167	395 431	6 199 918	35 695 230	42 640 935	78 071 701	3 136 635
Philadelphia—Wilmington—Atlantic City, PA—NJ—DE—MD CMSA (DE Part)	—	455	149	22 459	1 024 161	14 944	31 952	611 000	3 035 178	5 737 772	8 711 690	409 807
Philadelphia—Wilmington—Atlantic City, PA—NJ—DE—MD CMSA (MD Part)	—	55	22	2 766	100 911	1 618	3 211	48 378	389 059	295 709	677 461	52 939
Philadelphia—Wilmington—Atlantic City, PA—NJ—DE—MD CMSA (NJ Part)	1	1 927	640	73 612	2 650 100	51 350	101 018	1 557 264	8 150 926	9 963 050	18 190 369	508 134
Philadelphia—Wilmington—Atlantic City, PA—NJ—DE—MD CMSA (PA Part)	1	5 113	1 691	193 138	7 275 498	128 255	259 250	3 983 276	24 120 067	26 644 404	50 492 181	2 165 755
Wilmington—Newark, DE—MD PMSA	—	510	171	25 225	1 125 072	16 562	35 163	659 378	3 424 237	6 033 481	9 389 151	462 746
Wilmington—Newark, DE—MD PMSA (DE Part)	—	455	149	22 459	1 024 161	14 944	31 952	611 000	3 035 178	5 737 772	8 711 690	409 807
Wilmington—Newark, DE—MD PMSA (MD Part)	—	55	22	2 766	100 911	1 618	3 211	48 378	389 059	295 709	677 461	52 939
District of Columbia	2	199	35	2 847	100 865	1 916	3 714	60 680	170 633	149 165	319 884	9 832
Washington—Baltimore, DC—MD—VA—WV CMSA	1	4 964	1 385	179 493	6 686 803	117 732	235 748	3 603 434	20 487 360	18 555 619	38 984 161	1 498 540
Washington—Baltimore, DC—MD—VA—WV CMSA (DC Part)	2	199	35	2 847	100 865	1 916	3 714	60 680	170 633	149 165	319 884	9 832
Washington—Baltimore, DC—MD—VA—WV CMSA (MD Part)	1	3 473	1 030	137 668	5 116 580	90 053	180 724	2 793 587	16 366 918	15 077 589	31 402 048	1 135 243
Washington—Baltimore, DC—MD—VA—WV CMSA (VA Part)	1	1 229	287	33 729	1 321 981	21 350	42 664	645 839	3 488 002	2 873 682	6 349 013	255 535
Washington—Baltimore, DC—MD—VA—WV CMSA (WV Part)	—	63	33	5 249	147 377	4 413	8 646	103 328	461 807	455 183	913 216	97 930
Washington, DC—MD—VA—WV PMSA	1	2 649	665	77 580	2 978 073	48 653	97 352	1 435 395	7 928 071	6 572 439	14 437 528	729 970

See footnotes at end of table.

Table 2-2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

Geographic area	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)	
	E ¹	Total	With 20 em- ploy- ees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
District of Columbia—Con.												
Washington—Baltimore, DC—MD—VA—WV CMSA—Con.												
Washington, DC—MD—VA—WV PMSA (DC Part)	2	199	35	2 847	100 865	1 916	3 714	60 680	170 633	149 165	9 832	
Washington, DC—MD—VA—WV PMSA (MD Part)	1	1 158	310	35 755	1 407 850	20 974	42 328	625 548	3 807 629	3 094 409	366 673	
Washington, DC—MD—VA—WV PMSA (VA Part)	1	1 229	287	33 729	1 321 981	21 350	42 664	645 839	3 488 002	2 873 682	255 535	
Washington, DC—MD—VA—WV PMSA (WV Part)	—	63	33	5 249	147 377	4 413	8 646	103 328	461 807	455 183	97 930	
Florida	1	15 951	3 593	427 566	12 973 069	288 139	555 402	6 721 651	39 767 726	37 289 528	76 706 327	2 927 882
Daytona Beach, FL MSA	1	434	92	11 776	309 106	8 545	15 577	185 029	792 836	698 095	1 473 229	53 307
Fort Myers—Cape Coral, FL MSA	3	357	64	5 363	141 129	3 904	7 347	85 578	398 859	350 373	751 763	22 213
Fort Pierce—Port St. Lucie, FL MSA	1	295	59	4 989	137 732	3 531	6 618	89 229	528 363	585 808	1 003 103	61 461
Fort Walton Beach, FL MSA	1	132	27	3 443	81 475	2 297	4 069	42 112	166 759	130 391	293 960	11 746
Gainesville, FL MSA	1	149	40	5 188	155 935	4 147	7 526	111 832	455 257	542 304	1 002 627	72 919
Jacksonville, FL MSA	—	949	270	33 833	1 118 021	24 161	48 643	672 704	4 478 150	3 953 980	8 410 868	317 093
Lakeland—Winter Haven, FL MSA	—	478	184	20 390	626 419	15 035	31 101	376 033	2 542 359	3 350 867	5 861 293	166 472
Melbourne—Titusville—Palm Bay, FL MSA	—	492	111	20 727	751 751	10 478	19 952	258 968	1 837 857	1 516 330	3 426 502	104 943
Miami—Fort Lauderdale, FL CMSA	2	4 985	1 021	100 521	2 655 679	71 325	132 962	1 452 484	7 819 193	5 996 940	13 805 327	370 486
Fort Lauderdale, FL PMSA	2	1 960	366	37 104	1 109 163	24 329	45 462	550 010	3 308 494	2 521 785	5 817 081	158 656
Miami, FL PMSA	2	3 025	655	63 417	1 546 516	46 996	87 500	902 474	4 510 699	3 475 155	7 988 246	211 830
Naples, FL MSA	3	205	26	2 305	62 433	1 732	3 342	39 697	141 720	117 715	258 993	12 343
Ocala, FL MSA	1	214	68	9 578	237 123	6 804	12 489	145 750	599 404	638 112	1 273 125	37 383
Orlando, FL MSA	1	1 558	385	46 511	1 616 375	27 502	54 195	666 941	4 639 740	3 552 072	8 259 760	524 246
Panama City, FL MSA	—	136	28	3 492	108 697	2 588	5 221	71 286	335 360	509 360	813 566	38 530
Pensacola, FL MSA	—	295	62	9 421	336 181	7 087	14 027	229 474	1 207 225	1 498 425	2 642 161	91 888
Punta Gorda, FL MSA	2	74	6	507	13 833	362	683	7 383	38 960	38 674	77 742	1 839
Sarasota—Bradenton, FL MSA	1	658	134	18 553	559 742	12 648	23 319	295 596	1 128 007	1 816 971	2 936 123	158 603
Tallahassee, FL MSA	1	158	32	4 065	100 141	2 982	5 797	57 125	331 313	404 970	744 844	13 079
Tampa—St. Petersburg—Clearwater, FL MSA	1	2 577	639	76 607	2 227 347	50 377	100 032	1 143 831	6 363 906	6 479 947	12 748 661	515 253
West Palm Beach—Boca Raton, FL MSA	—	1 049	183	26 199	1 136 285	13 837	27 355	371 611	4 109 944	2 337 822	6 329 406	160 101
Georgia	—	9 053	3 277	531 450	15 473 204	408 569	826 574	10 126 167	55 426 485	69 050 254	124 003 137	4 153 507
Albany, GA MSA	—	97	45	9 046	320 284	7 427	15 817	236 412	1 923 467	2 129 916	4 048 857	309 009
Athens, GA MSA	—	151	52	10 960	274 412	8 803	18 234	197 014	687 858	964 944	1 646 286	100 928
Atlanta, GA MSA	1	4 373	1 397	189 343	6 326 860	134 107	273 352	3 733 541	22 710 811	27 294 853	49 599 323	1 439 380
Augusta—Aiken, GA—SC MSA	—	364	149	41 124	1 560 574	25 542	47 726	817 378	6 566 686	3 832 466	10 376 189	463 785
Augusta—Aiken, GA—SC MSA (GA Part)	—	237	98	19 084	619 348	13 651	26 818	375 719	3 038 301	2 744 758	5 786 515	161 885
Augusta—Aiken, GA—SC MSA (SC Part)	—	127	51	22 040	941 226	11 891	20 908	441 659	3 528 385	1 087 708	4 589 674	301 900
Chattanooga, TN—GA MSA	1	705	275	43 794	1 257 303	33 270	66 238	797 321	3 371 306	4 067 962	7 413 781	330 996
Chattanooga, TN—GA MSA (GA Part)	2	161	54	9 509	227 374	8 332	16 664	175 811	781 780	949 266	1 708 155	97 079
Chattanooga, TN—GA MSA (TN Part)	—	544	221	34 285	1 029 929	24 938	49 574	621 510	2 589 526	3 118 696	5 705 626	233 917
Columbus, GA—AL MSA	1	230	99	19 930	597 036	15 017	32 427	394 338	2 171 632	2 183 278	4 357 805	221 782
Columbus, GA—AL MSA (AL Part)	—	49	19	3 295	107 782	2 757	6 049	80 709	540 642	462 403	1 000 399	89 114
Columbus, GA—AL MSA (GA Part)	1	181	80	16 635	489 254	12 260	26 378	313 629	1 630 990	1 720 875	3 357 406	132 668
Macon, GA MSA	—	291	92	18 568	687 658	14 413	29 429	470 851	4 541 521	2 470 267	7 019 244	329 147
Savannah, GA MSA	—	227	65	14 606	608 602	10 380	18 128	397 248	1 769 025	3 521 812	5 325 814	201 723
Hawaii *	3	919	159	15 093	404 629	9 891	18 343	231 349	1 261 303	1 939 948	3 189 892	100 669
Honolulu, HI MSA	3	683	133	11 145	300 440	7 026	12 999	164 569	1 041 662	1 658 122	2 689 599	77 677
Idaho	—	1 643	417	65 997	2 094 462	50 198	89 069	1 272 880	6 383 900	10 620 606	16 900 224	1 393 009
Boise City, ID MSA	—	568	154	30 604	1 129 209	21 674	34 580	595 959	3 384 317	6 553 794	9 878 041	942 842
Pocatello, ID MSA	—	62	20	3 482	119 168	2 420	4 391	60 704	406 019	374 440	775 117	226 690
Illinois	—	17 912	6 538	883 358	31 686 026	626 460	1 278 831	18 625 974	95 342 475	104 853 848	199 893 976	7 344 742
Bloomington—Normal, IL MSA	—	112	38	8 388	357 729	6 751	12 986	276 349	975 020	2 882 082	3 870 266	84 896
Champaign—Urbana, IL MSA	—	150	53	10 431	281 804	7 998	14 998	197 248	1 145 183	1 473 248	2 653 103	71 858
Chicago—Gary—Kenosha, IL—IN—WI CMSA	1	14 049	5 180	657 756	24 662 571	455 113	938 434	14 041 438	72 716 057	73 153 686	145 571 118	6 064 259
Chicago—Gary—Kenosha, IL—IN—WI CMSA (IL Part)	1	13 277	4 882	598 848	21 895 860	410 541	843 698	12 036 965	64 141 788	61 024 127	124 914 067	5 010 461
Chicago—Gary—Kenosha, IL—IN—WI CMSA (IN Part)	—	568	216	49 382	2 370 470	37 247	79 555	1 723 019	7 685 363	10 974 522	18 615 686	907 012
Chicago—Gary—Kenosha, IL—IN—WI CMSA (WI Part)	—	204	82	9 526	396 241	7 325	15 181	281				

Table 2-2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

Geographic area	E¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)
		Total	With 20 em- ploy- ees or more	Number²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
Indiana.....	-	9 279	3 928	625 684	22 163 782	477 158	978 646	14 919 136	67 173 341	75 629 502	142 182 844	5 525 986
Bloomington, IN MSA	-	122	39	8 817	302 554	7 410	13 988	221 803	1 092 199	1 419 057	2 444 224	44 419
Chicago-Gary-Kenosha, IL-IN-WI CMSA	1	14 049	5 180	657 756	24 662 571	455 113	938 434	14 041 438	72 716 057	73 153 686	145 571 118	6 064 259
Chicago-Gary-Kenosha, IL-IN-WI CMSA (IL Part)	1	13 277	4 882	598 848	21 895 860	410 541	843 698	12 036 965	64 141 788	61 024 127	124 914 067	5 010 461
Chicago-Gary-Kenosha, IL-IN-WI CMSA (IN Part)	-	568	216	49 382	2 370 470	37 247	79 555	1 723 019	7 685 363	10 974 522	18 615 686	907 012
Chicago-Gary-Kenosha, IL-IN-WI CMSA (WI Part)	-	204	82	9 526	396 241	7 325	15 181	281 454	888 906	1 155 037	2 041 365	146 786
Gary, IN PMSA	-	568	216	49 382	2 370 470	37 247	79 555	1 723 019	7 685 363	10 974 522	18 615 686	907 012
Cincinnati-Hamilton, OH-KY-IN CMSA	-	2 673	1 035	138 541	5 313 799	93 005	190 166	3 029 947	18 723 292	16 309 982	34 919 536	1 465 189
Cincinnati-Hamilton, OH-KY-IN CMSA (IN Part)	-	40	14	2 261	87 160	1 607	2 872	53 481	198 674	129 703	304 271	15 556
Cincinnati-Hamilton, OH-KY-IN CMSA (KY Part)	1	409	171	20 041	677 208	14 759	30 418	420 252	2 176 177	2 079 857	4 233 226	174 514
Cincinnati-Hamilton, OH-KY-IN CMSA (OH Part)	-	2 224	850	116 239	4 549 431	76 639	156 876	2 556 214	16 348 441	14 100 422	30 382 039	1 275 119
Cincinnati, OH-KY-IN PMSA	-	2 280	883	118 300	4 499 899	78 129	158 191	2 470 981	14 384 929	14 053 370	28 345 270	1 267 446
Cincinnati, OH-KY-IN PMSA (IN Part)	-	40	14	2 261	87 160	1 607	2 872	53 481	198 674	129 703	304 271	15 556
Cincinnati, OH-KY-IN PMSA (KY Part)	1	409	171	20 041	677 208	14 759	30 418	420 252	2 176 177	2 079 857	4 233 226	174 514
Cincinnati, OH-KY-IN PMSA (OH Part)	-	1 831	698	95 998	3 735 531	61 763	124 901	1 997 248	12 010 078	11 843 810	23 807 773	1 077 376
Elkhart-Goshen, IN MSA	-	891	461	55 701	1 598 475	43 940	85 940	1 085 214	3 830 268	5 069 545	8 922 392	213 968
Evansville-Henderson, IN-KY MSA	-	432	173	31 008	1 111 124	22 049	46 953	684 236	4 561 702	4 420 113	8 936 859	317 633
Evansville-Henderson, IN-KY MSA (IN Part)	-	354	129	23 500	890 982	15 837	31 589	524 809	3 649 539	3 592 225	7 213 921	257 657
Evansville-Henderson, IN-KY MSA (KY Part)	-	78	44	7 508	220 142	6 212	15 364	159 427	912 163	827 888	1 722 938	59 976
Fort Wayne, IN MSA	-	954	432	69 400	2 349 084	52 182	107 643	1 546 263	6 484 921	8 874 172	15 317 208	442 140
Indianapolis, IN MSA	-	2 008	707	107 601	4 400 130	77 073	157 615	2 759 929	15 136 822	11 969 551	26 696 521	958 784
Kokomo, IN MSA	-	101	37	20 711	1 100 182	14 362	31 702	745 622	2 395 471	2 455 329	4 872 815	301 243
Lafayette, IN MSA	-	162	77	21 654	840 343	17 185	36 202	547 518	3 185 069	5 804 888	8 973 633	431 091
Louisville, KY-IN MSA	-	1 329	538	80 655	2 875 371	62 851	128 908	2 029 558	17 446 444	16 860 135	34 353 576	811 589
Louisville, KY-IN MSA (IN Part)	1	368	151	19 882	553 161	16 115	33 150	391 231	1 703 882	1 605 792	3 309 194	146 890
Louisville, KY-IN MSA (KY Part)	-	961	387	60 773	2 322 210	46 736	95 758	1 638 327	15 742 562	15 254 343	31 044 382	664 699
Muncie, IN MSA	-	176	77	9 972	402 577	7 525	15 244	264 102	882 849	879 486	1 764 474	68 058
South Bend, IN MSA	-	456	179	20 469	698 523	14 505	28 741	410 741	2 228 619	2 356 854	4 599 146	146 884
Terre Haute, IN MSA	-	181	72	10 684	377 272	8 126	16 066	254 024	1 479 721	1 437 640	2 922 413	144 254
Iowa.....	-	3 743	1 407	236 865	7 604 137	177 032	356 074	4 942 866	28 615 467	34 116 111	62 511 051	1 972 637
Cedar Rapids, IA MSA	1	239	95	22 877	935 016	11 730	22 747	388 409	3 617 005	2 811 906	6 376 141	212 737
Davenport-Moline-Rock Island, IA-IL MSA	-	459	161	28 001	1 122 988	21 414	44 595	799 746	4 195 178	5 147 566	9 289 183	259 420
Davenport-Moline-Rock Island, IA- IL MSA (IL Part)	-	250	84	14 694	618 016	11 216	23 646	449 628	2 196 740	2 723 894	4 870 147	124 760
Davenport-Moline-Rock Island, IA- IL MSA (IA Part)	-	209	77	13 307	504 972	10 198	20 949	350 118	1 998 438	2 423 672	4 419 036	134 660
Des Moines, IA MSA	-	476	155	22 736	771 328	16 401	32 487	476 346	2 484 539	3 411 575	5 842 298	147 657
Dubuque, IA MSA	-	132	64	10 647	386 245	7 659	15 950	247 477	1 386 040	1 693 553	3 066 896	54 331
Iowa City, IA MSA	-	89	14	3 639	121 075	2 940	6 165	89 497	1 857 629	643 328	2 510 397	55 145
Omaha, NE-IA MSA	-	707	227	34 548	1 093 396	26 175	53 261	737 275	3 996 038	4 816 581	8 769 787	300 220
Omaha, NE-IA MSA (IA Part)	1	59	26	4 109	113 186	3 285	6 422	84 571	429 356	453 987	888 662	29 180
Omaha, NE-IA MSA (NE Part)	-	648	201	30 439	980 210	22 890	46 839	652 704	3 566 682	4 362 594	7 881 125	271 040
Sioux City, IA-NE MSA	-	136	73	11 977	300 929	9 256	18 388	207 528	827 861	3 683 577	4 502 457	113 114
Sioux City, IA-NE MSA (IA Part)	-	113	59	D	D	D	D	D	D	D	D	99 373
Sioux City, IA-NE MSA (NE Part)	-	23	14	D	D	D	D	D	D	D	D	13 741
Waterloo-Cedar Falls, IA MSA	-	165	70	13 542	555 720	9 967	20 832	382 116	2 258 387	2 878 327	5 133 098	65 832
Kansas.....	-	3 296	1 140	193 002	6 513 519	140 573	280 314	4 039 225	18 987 474	29 081 270	47 080 651	1 458 041
Kansas City, MO-KS MSA	-	2 193	752	94 161	3 314 043	65 772	130 041	2 031 422	14 782 859	16 278 842	30 959 090	775 308
Kansas City, MO-KS MSA (KS Part)	-	879	317	36 923	1 334 679	26 381	53 982	842 771	4 731 631	6 753 889	11 437 826	346 343
Kansas City, MO-KS MSA (MO Part)	-	1 314	435	57 238	1 979 364	39 391	76 059	1 188 651	10 051 228	9 524 953	19 521 264	428 965
Lawrence, KS MSA	-	76	25	4 240	119 989	3 213	6 581	76 896	395 743	350 047	731 151	42 762
Topeka, KS MSA	-	139	48	7 700	263 680	6 313	12 589	195 272	937 141	851 179	1 790 460	43 659
Wichita, KS MSA	-	698	258	66 053	2 710 323	44 111	81 712	1 492 533	7 120 392	6 904 932	13 073 790	492 656
Kentucky.....	-	4 205	1 707	288 541	9 197 961	224 434	455 748	6 249 883	39 062 786	48 696 757	87 515 235	3 426 692
Cincinnati-Hamilton, OH-KY-IN CMSA	-	2 673	1 035</									

Table 2-2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

Geographic area	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
Kentucky—Con.												
Evansville-Henderson, IN-KY MSA . . .	—	432	173	31 008	1 111 124	22 049	46 953	684 236	4 561 702	4 420 113	8 936 859	317 633
Evansville-Henderson, IN-KY MSA (IN Part)	—	354	129	23 500	890 982	15 837	31 589	524 809	3 649 539	3 592 225	7 213 921	257 657
Evansville-Henderson, IN-KY MSA (KY Part)	—	78	44	7 508	220 142	6 212	15 364	159 427	912 163	827 888	1 722 938	59 976
Huntington-Ashland, WV-KY-OH MSA	—	260	101	14 777	540 084	11 318	23 260	395 271	2 570 822	3 490 462	6 061 632	236 732
Huntington-Ashland, WV-KY-OH MSA (KY Part)	—	72	31	5 384	232 596	4 312	9 013	180 357	1 212 793	2 348 635	3 550 120	144 094
Huntington-Ashland, WV-KY-OH MSA (OH Part)	1	44	12	1 969	65 020	1 462	3 100	46 790	530 855	459 192	998 054	33 568
Huntington-Ashland, WV-KY-OH MSA (WV Part)	1	144	58	7 424	242 468	5 544	11 147	168 124	827 174	682 635	1 513 458	59 070
Lexington, KY MSA	—	549	219	44 197	1 670 717	31 126	64 263	967 163	5 326 642	10 656 586	15 891 444	927 126
Louisville, KY-IN MSA	—	1 329	538	80 655	2 875 371	62 851	128 908	2 029 558	17 446 444	16 860 135	34 353 576	811 589
Louisville, KY-IN MSA (IN Part)	1	368	151	19 882	553 161	16 115	33 150	391 231	1 703 882	1 605 792	3 309 194	146 890
Louisville, KY-IN MSA (KY Part)	—	961	387	60 773	2 322 210	46 736	95 758	1 638 327	15 742 562	15 254 343	31 044 382	664 699
Owensboro, KY MSA	—	114	52	8 011	276 755	6 002	12 740	187 336	1 210 450	1 854 403	3 041 870	408 813
Louisiana	—	3 536	1 164	164 938	6 025 203	122 970	256 824	3 949 080	27 463 050	51 043 098	78 333 959	3 513 342
Alexandria, LA MSA	—	73	24	3 179	102 994	2 201	4 177	59 878	722 200	452 127	1 165 869	43 644
Baton Rouge, LA MSA	—	531	163	21 316	987 387	14 181	31 130	561 915	5 507 224	10 584 427	16 210 781	858 706
Houma, LA MSA	1	185	52	6 454	202 256	5 144	10 852	145 583	436 885	526 273	963 629	37 334
Lafayette, LA MSA	2	361	103	13 048	307 497	10 383	18 834	208 689	1 484 538	1 839 176	3 301 253	68 220
Lake Charles, LA MSA	—	134	50	11 274	542 360	8 113	18 366	344 355	2 722 159	7 164 018	9 857 352	644 988
Monroe, LA MSA	—	151	61	8 110	284 637	6 125	12 650	197 135	856 601	1 121 245	1 975 838	107 751
New Orleans, LA MSA	—	1 020	302	43 523	1 666 145	30 312	64 399	1 065 208	8 433 152	17 937 343	26 300 379	675 491
Shreveport-Bossier City, LA MSA	—	336	125	16 907	578 186	13 119	26 818	407 643	1 948 765	3 494 020	5 396 471	193 360
Maine	1	1 809	510	81 279	2 562 912	62 022	120 642	1 736 601	6 698 567	7 386 714	14 066 822	592 362
Bangor, ME MSA	1	93	32	4 070	124 820	3 180	6 473	91 398	430 089	398 476	824 665	55 004
Boston-Worcester-Lawrence, MA-NH-ME-CT CMSA	1	8 825	3 057	393 348	15 697 919	240 852	484 139	7 447 978	46 573 198	34 225 382	80 768 743	3 632 504
Boston-Worcester-Lawrence, MA-NH-ME-CT CMSA (CT Part)	—	19	7	547	20 357	385	844	10 270	43 926	28 713	71 244	2 650
Boston-Worcester-Lawrence, MA-NH-ME-CT CMSA (ME Part)	—	41	8	1 061	31 196	734	1 653	21 597	S	S	348 004	4 828
Boston-Worcester-Lawrence, MA-NH-ME-CT CMSA (MA Part)	1	7 433	2 609	330 855	13 447 729	198 608	401 705	6 192 192	38 216 143	27 526 320	65 701 859	3 128 398
Boston-Worcester-Lawrence, MA-NH-ME-CT CMSA (NH Part)	1	1 332	433	60 885	2 198 637	41 125	79 937	1 223 919	8 228 762	6 410 610	14 647 636	496 628
Portsmouth-Rochester, NH-ME PMSA	—	344	106	16 421	528 623	10 863	21 193	289 541	2 458 869	2 509 219	4 937 404	109 923
Portsmouth-Rochester, NH-ME PMSA (ME Part)	—	41	8	1 061	31 196	734	1 653	21 597	S	S	348 004	4 828
Portsmouth-Rochester, NH-ME PMSA (NH Part)	—	303	98	15 360	497 427	10 129	19 540	267 944	2 374 502	2 249 480	4 589 400	105 095
Lewiston-Auburn, ME MSA	2	167	64	7 787	218 426	5 604	11 167	140 885	688 642	495 225	1 180 982	48 615
Portland, ME MSA	1	344	85	12 873	445 471	9 061	19 404	267 763	1 085 790	929 913	2 011 282	69 123
Maryland	1	3 986	1 204	163 145	5 810 016	109 090	218 330	3 233 951	18 705 455	17 772 765	36 442 590	1 462 124
Cumberland, MD-WV MSA	—	83	29	5 307	179 632	4 034	7 762	120 354	498 219	409 274	922 229	191 987
Cumberland, MD-WV MSA (MD Part)	—	67	21	4 169	139 197	3 206	6 128	95 607	396 422	374 661	785 922	D
Cumberland, MD-WV MSA (WV Part)	—	16	8	1 138	40 435	828	1 634	24 747	101 797	34 613	136 307	D
Philadelphia-Wilmington-Atlantic City, PA-NJ-DE-MD CMSA	1	7 550	2 502	291 975	11 050 670	196 167	395 431	6 199 918	35 695 230	42 640 935	78 071 701	3 136 635
Philadelphia-Wilmington-Atlantic City, PA-NJ-DE-MD CMSA (DE Part)	—	455	149	22 459	1 024 161	14 944	31 952	611 000	3 035 178	5 737 772	8 711 690	409 807
Philadelphia-Wilmington-Atlantic City, PA-NJ-DE-MD CMSA (MD Part)	—	55	22	2 766	100 911	1 618	3 211	48 378	389 059	295 709	677 461	52 939
Philadelphia-Wilmington-Atlantic City, PA-NJ-DE-MD CMSA (NJ Part)	1	1 927	640	73 612	2 650 100	51 350	101 018	1 557 264	8 150 926	9 963 050	18 190 369	508 134
Philadelphia-Wilmington-Atlantic City, PA-NJ-DE-MD CMSA (PA Part)	1	5 113	1 691	193 138	7 275 498	128 255	259 250	3 983 276	24 120 067	26 644 404	50 492 181	2 165 755
Wilmington-Newark, DE-MD PMSA	—	510	171	25 225	1 125 072	16 562	35 163	659 378	3 424 237	6 033 481	9 389 151	462 746
Wilmington-Newark, DE-MD PMSA (DE Part)	—	455	149	22 459	1 024 161	14 944	31 952	611 000	3 035 178	5 737 772	8 711 690	409 807
Wilmington-Newark, DE-MD PMSA (MD Part)	—	55	22	2 766	100 911	1 618	3 211	48 378	389 059	295 709	677 461	52 939
Washington-Baltimore, DC-MD-VA-WV CMSA	1	4 964	1 385	179 493	6 686 803	117 732	235 748	3 603 434	20 487 360	18 555 619	38 984 161	1 498 540
Washington-Baltimore, DC-MD-VA-WV CMSA (DC Part)	2	199	35	2 847	100 865	1 916	3 714	60 680	170 633	149 165	319 884	9 832
Washington-Baltimore, DC-MD-VA-WV CMSA (MD Part)	1	3 473	1 030	137 668	5 116 580	90 053	180 724	2 793 587	16 366 918	15 077 589	31 402 048	1 135 243
Washington-Baltimore, DC-MD-VA-WV CMSA (VA Part)	1	1 229	287	33 729	1 321 981	21 350	42 664	645 839	3 488 002	2 873 682	6 349 013	255 535
Washington-Baltimore, DC-MD-VA-WV CMSA (WV Part)	—	63	33	5 249	147 377	4 413	8 646	103 328	461 807	455 183	913 216	97 930
Baltimore, MD PMSA	1	2 168	665	92 740	3 414 528	61 925	124 085	1 950 106	11 602 465	10 981 201	22 606 213	689 148
Hagerstown, MD PMSA	—	147	55	9 173	294 2							

Table 2-2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

Geographic area	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
Maryland—Con.												
Washington—Baltimore, DC—MD—VA—WV CMSA—Con.												
Washington, DC—MD—VA—WV PMSA (MD Part)	1	1 158	310	35 755	1 407 850	20 974	42 328	625 548	3 807 629	3 094 409	6 855 415	366 673
Washington, DC—MD—VA—WV PMSA (VA Part)	1	1 229	287	33 729	1 321 981	21 350	42 664	645 839	3 488 002	2 873 682	6 349 013	255 535
Washington, DC—MD—VA—WV PMSA (WV Part)	—	63	33	5 249	147 377	4 413	8 646	103 328	461 807	455 183	913 216	97 930
Massachusetts	1	9 534	3 295	415 224	16 274 205	256 775	520 200	7 737 438	45 132 888	33 561 345	78 612 764	3 635 273
Barnstable—Yarmouth, MA MSA	2	152	13	1 667	52 061	998	1 624	22 655	163 118	81 102	242 017	9 920
Boston—Worcester—Lawrence, MA—NH—ME—CT CMSA	1	8 825	3 057	393 348	15 697 919	240 852	484 139	7 447 978	46 573 198	34 225 382	80 768 743	3 632 504
Boston—Worcester—Lawrence, MA—NH—ME—CT CMSA (CT Part)	—	19	7	547	20 357	385	844	10 270	43 926	28 713	71 244	2 650
Boston—Worcester—Lawrence, MA—NH—ME—CT CMSA (ME Part)	—	41	8	1 061	31 196	734	1 653	21 597	S	S	348 004	4 828
Boston—Worcester—Lawrence, MA—NH—ME—CT CMSA (MA Part)	1	7 433	2 609	330 855	13 447 729	198 608	401 705	6 192 192	38 216 143	27 526 320	65 701 859	3 128 398
Boston—Worcester—Lawrence, MA—NH—ME—CT CMSA (NH Part)	1	1 332	433	60 885	2 198 637	41 125	79 937	1 223 919	8 228 762	6 410 610	14 647 636	496 628
Boston, MA—NH PMSA	1	4 853	1 635	207 224	8 689 113	119 931	243 386	3 861 400	23 827 614	16 996 980	40 778 668	1 871 759
Boston, MA—NH PMSA (MA Part) ..	1	4 818	1 621	205 977	8 641 717	119 081	241 982	3 830 478	23 738 664	16 896 533	40 588 834	1 864 554
Boston, MA—NH PMSA (NH Part) ..	4	35	14	1 247	47 396	850	1 404	30 922	88 950	100 447	189 834	7 205
Brockton, MA PMSA	1	375	123	11 201	384 240	7 239	14 218	197 546	910 110	659 218	1 559 397	50 442
Fitchburg—Leominster, MA PMSA ..	3	333	120	14 092	502 995	9 744	20 196	278 587	1 601 900	1 330 079	2 937 874	133 995
Lawrence, MA—NH PMSA	—	614	221	32 335	1 293 734	20 815	41 215	667 399	6 650 315	4 087 376	10 726 992	497 169
Lawrence, MA—NH PMSA (MA Part)	—	389	160	25 972	1 082 081	16 696	33 198	554 503	4 316 177	3 054 611	7 364 993	465 556
Lawrence, MA—NH PMSA (NH Part)	—	225	61	6 363	211 653	4 119	8 017	112 896	2 334 138	1 032 765	3 361 999	31 613
Lowell, MA—NH PMSA	1	459	175	23 111	964 725	11 830	23 471	363 705	2 973 313	1 985 235	4 946 373	240 200
Lowell, MA—NH PMSA (MA Part) ..	1	442	174	22 850	957 881	11 606	23 104	358 622	2 959 079	1 969 794	4 917 167	D
Lowell, MA—NH PMSA (NH Part) ..	1	17	1	261	6 844	224	367	5 083	14 234	15 441	29 206	D
New Bedford, MA PMSA	1	240	83	12 531	370 131	9 726	19 449	245 792	988 846	793 642	1 810 508	81 417
Worcester, MA—CT PMSA	1	855	335	38 779	1 529 041	24 901	50 402	736 934	3 745 293	2 851 156	6 594 330	299 627
Worcester, MA—CT PMSA (CT Part)	—	19	7	547	20 357	385	844	10 270	43 926	28 713	71 244	2 650
Worcester, MA—CT PMSA (MA Part)	1	836	328	38 232	1 508 684	24 516	49 558	726 664	3 701 367	2 822 443	6 523 086	296 977
Pittsfield, MA MSA	—	125	43	6 633	275 788	3 603	7 521	115 468	660 938	483 093	1 138 706	56 942
Providence—Fall River—Warwick, RI—MA MSA	1	2 910	858	96 793	2 899 987	69 211	138 639	1 646 992	6 804 190	6 178 653	13 049 963	520 545
Providence—Fall River—Warwick, RI—MA MSA (MA Part)	1	505	191	25 848	781 318	19 062	38 883	438 567	1 627 592	1 516 371	3 174 216	137 410
Providence—Fall River—Warwick, RI—MA MSA (RI Part)	1	2 405	667	70 945	2 118 669	50 149	99 756	1 208 425	5 176 598	4 662 282	9 875 747	383 135
Springfield, MA MSA	—	959	342	38 532	1 378 792	26 457	54 340	756 307	3 669 794	3 286 220	6 902 179	231 086
Michigan	—	16 005	5 716	828 396	34 209 572	626 881	1 299 481	23 377 382	93 366 860	120 632 388	213 996 415	9 397 575
Benton Harbor, MI MSA	1	396	159	16 618	519 760	12 401	24 869	330 872	1 228 442	1 125 094	2 341 937	103 505
Detroit—Ann Arbor—Flint, MI CMSA ..	—	8 619	2 966	429 142	19 416 147	329 012	691 219	13 720 221	55 030 886	79 791 565	134 806 642	5 409 323
Ann Arbor, MI PMSA	—	838	319	48 484	2 112 771	37 091	77 317	1 472 633	4 967 863	6 788 217	11 791 317	515 864
Detroit, MI PMSA	—	7 426	2 532	346 244	15 558 749	263 448	556 738	10 858 826	46 463 001	65 302 261	111 763 996	4 708 992
Flint, MI PMSA	—	355	115	34 414	1 744 627	28 473	57 164	1 388 762	3 600 022	7 701 087	11 251 329	184 467
Grand Rapids—Muskegon—Holland, MI MSA	—	2 326	940	150 001	5 629 319	106 965	219 007	3 375 719	15 201 494	13 230 290	28 403 783	1 367 784
Jackson, MI MSA	—	349	138	12 011	413 358	8 563	17 231	240 743	1 071 093	1 156 474	2 240 530	88 962
Kalamazoo—Battle Creek, MI MSA ..	—	746	285	43 415	1 568 307	32 271	65 258	1 045 010	4 650 765	4 865 332	9 561 297	555 483
Lansing—East Lansing, MI MSA	—	428	144	29 104	1 470 820	22 747	47 126	1 075 704	2 369 459	6 492 102	8 892 841	515 690
Saginaw—Bay City—Midland, MI MSA ..	—	459	145	32 386	1 697 413	24 420	54 049	1 229 054	3 754 693	4 304 511	8 049 701	529 580
Minnesota	—	8 064	2 709	379 938	13 069 217	257 910	513 688	7 222 024	36 567 010	39 525 947	75 988 847	3 186 779
Duluth—Superior, MN—WI MSA	1	282	70	6 797	199 420	4 933	9 566	126 852	582 880	769 644	1 363 658	151 257
Duluth—Superior, MN—WI MSA (MN Part)	1	226	56	5 254	154 015	3 717	7 285	94 958	454 809	404 450	863 487	141 544
Duluth—Superior, MN—WI MSA (WI Part)	—	56	14	1 543	45 405	1 216	2 281	31 894	128 071	365 194	500 171	9 713
Fargo—Moorhead, ND—MN MSA	1	219	79	7 974	208 984	5 941	11 557	133 805	682 816	1 056 572	1 740 443	57 096
Fargo—Moorhead, ND—MN MSA (MN Part)	—	38	11	1 225	35 699	999	2 021	27 458	57 541	174 280	229 403	10 969
Fargo—Moorhead, ND—MN MSA (ND Part)	1	181	68	6 749	173 285	4 942	9 536	106 347	625 275	882 292	1 511 040	46 127
Grand Forks, ND—MN MSA	—	92	25	3 087	75 293	2 494	4 626	54 934	275 369	277 675	551 735	17 554
Grand Forks, ND—MN MSA (MN Part)	—	40	12	1 350	36 299	1 107	2 064	26 606	130 024	168 604	300 278	4 252
Grand Forks, ND—MN MSA (ND Part)	—	52	13	1 737	38 994	1 387	2 562	28 328	145 345	109 071	251 457	13 302
La Crosse, WI—MN MSA	—	183	61	10 168	315 155	7 173	14 345	184 176	525			

Table 2-2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

Geographic area	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
Mississippi	—	2 996	1 274	227 001	5 580 639	182 043	360 610	3 891 078	17 184 299	22 608 005	39 821 220	1 407 858
Biloxi-Gulfport-Pascagoula, MS	—	260	81	21 327	685 875	13 864	28 108	409 362	2 460 709	3 403 714	5 849 447	294 076
MSA	—	104	34	5 909	132 302	4 404	8 231	84 991	432 786	698 233	1 152 529	45 647
Hattiesburg, MS MSA	1	390	138	19 582	517 273	15 347	30 262	348 809	1 719 633	2 206 075	3 942 927	138 166
Jackson, MS MSA	—	1 149	471	57 634	1 854 726	40 058	80 976	1 065 814	6 192 353	8 430 963	14 703 789	498 743
Memphis, TN-AR-MS MSA	—	—	—	—	—	—	—	—	—	—	—	—
Memphis, TN-AR-MS MSA (AR Part)	—	44	22	2 272	54 786	1 784	3 491	35 491	216 773	397 575	609 651	19 486
Memphis, TN-AR-MS MSA (MS Part)	1	129	61	6 977	207 151	5 165	11 188	132 937	553 437	786 858	1 339 191	39 128
Memphis, TN-AR-MS MSA (TN Part)	—	976	388	48 385	1 592 789	33 109	66 297	897 386	5 422 143	7 246 530	12 754 947	440 129
Missouri	—	7 477	2 482	367 549	11 551 114	267 979	526 652	7 135 310	43 071 878	47 323 830	92 745 261	2 656 471
Columbia, MO MSA	—	86	26	5 655	163 850	4 406	8 961	106 588	852 685	735 118	1 586 017	77 970
Joplin, MO MSA	—	261	95	16 219	395 838	12 989	27 864	296 486	1 190 644	1 637 492	2 847 447	128 504
Kansas City, MO-KS MSA	—	2 193	752	94 161	3 314 043	65 772	130 041	2 031 422	14 782 859	16 278 842	30 959 090	775 308
Kansas City, MO-KS MSA (KS Part)	—	879	317	36 923	1 334 679	26 381	53 982	842 771	4 731 631	6 753 889	11 437 826	346 343
Kansas City, MO-KS MSA (MO Part)	—	1 314	435	57 238	1 979 364	39 391	76 059	1 188 651	10 051 228	9 524 953	19 521 264	428 965
St. Joseph, MO MSA	—	103	49	7 382	235 422	5 701	11 158	159 263	861 057	1 444 396	2 296 699	81 086
St. Louis, MO-IL MSA	—	3 314	1 127	170 114	6 558 090	115 252	234 735	3 805 941	20 995 472	28 056 848	51 423 291	1 440 412
St. Louis, MO-IL MSA (IL Part)	—	494	145	27 425	1 020 103	20 861	43 731	699 025	3 510 620	6 136 869	9 624 134	267 679
St. Louis, MO-IL MSA (MO Part)	—	2 820	982	142 689	5 537 987	94 391	191 004	3 106 916	17 484 852	21 919 979	41 799 157	1 172 733
Springfield, MO MSA	—	513	144	21 941	560 874	16 554	30 608	364 071	1 849 767	2 132 647	3 961 642	97 154
Montana	—	1 158	178	19 478	557 878	14 884	27 386	392 709	1 876 897	3 105 758	5 004 527	150 462
Billings, MT MSA	—	181	27	3 108	108 094	2 086	4 005	67 366	556 227	1 218 098	1 787 381	32 445
Great Falls, MT MSA	1	80	13	925	23 851	691	1 252	15 435	58 101	167 480	228 464	12 999
Nebraska	—	1 958	610	106 556	3 034 134	83 975	172 999	2 129 405	10 460 265	17 459 386	27 939 376	721 776
Lincoln, NE MSA	—	267	92	15 322	502 303	11 577	22 413	323 906	1 965 753	1 787 670	3 857 936	101 575
Omaha, NE-IA MSA	—	707	227	34 548	1 093 396	26 175	53 261	737 275	3 996 038	4 816 581	8 769 787	300 220
Omaha, NE-IA MSA (IA Part)	1	59	26	4 109	113 186	3 285	6 422	84 571	429 356	453 987	888 662	29 180
Omaha, NE-IA MSA (NE Part)	—	648	201	30 439	980 210	22 890	46 839	652 704	3 566 682	4 362 594	7 881 125	271 040
Sioux City, IA-NE MSA	—	136	73	11 977	300 929	9 256	18 388	207 528	827 861	3 683 577	4 502 457	113 114
Sioux City, IA-NE MSA (IA Part)	—	113	59	i	D	D	D	D	D	D	D	99 373
Sioux City, IA-NE MSA (NE Part)	—	23	14	i	D	D	D	D	D	D	D	13 741
Nevada	1	1 610	403	37 473	1 164 476	26 040	51 573	670 749	3 260 969	3 025 752	6 297 518	311 537
Las Vegas, NV-AZ MSA	1	988	223	21 428	631 147	15 967	31 279	408 053	2 019 046	1 852 744	3 890 837	130 611
Las Vegas, NV-AZ MSA (AZ Part)	—	156	33	3 807	85 202	3 166	5 735	60 768	346 634	398 926	760 366	17 181
Las Vegas, NV-AZ MSA (NV Part)	1	832	190	17 621	545 945	12 801	25 544	347 285	1 672 412	1 453 818	3 130 471	113 430
Reno, NV MSA	2	417	122	11 440	359 471	7 484	14 595	183 130	920 368	1 003 100	1 927 496	131 775
New Hampshire	1	2 321	751	97 928	3 318 423	68 228	134 236	1 920 807	11 129 674	8 528 850	19 663 103	700 466
Boston-Worcester-Lawrence, MA-NH-ME-CT CMSA	1	8 825	3 057	393 348	15 697 919	240 852	484 139	7 447 978	46 573 198	34 225 382	80 768 743	3 632 504
Boston-Worcester-Lawrence, MA-NH-ME-CT CMSA (CT Part)	—	19	7	547	20 357	385	844	10 270	43 926	28 713	71 244	2 650
Boston-Worcester-Lawrence, MA-NH-ME-CT CMSA (ME Part)	—	41	8	1 061	31 196	734	1 653	21 597	S	S	348 004	4 828
Boston-Worcester-Lawrence, MA-NH-ME-CT CMSA (MA Part)	1	7 433	2 609	330 855	13 447 729	198 608	401 705	6 192 192	38 216 143	27 526 320	65 701 859	3 128 398
Boston-Worcester-Lawrence, MA-NH-ME-CT CMSA (NH Part)	1	1 332	433	60 885	2 198 637	41 125	79 937	1 223 919	8 228 762	6 410 610	14 647 636	496 628
Boston, MA-NH PMSA	1	4 853	1 635	207 224	8 689 113	119 931	243 386	3 861 400	23 827 619	16 996 980	40 778 668	1 871 759
Boston, MA-NH PMSA (MA Part)	1	4 818	1 621	205 977	8 641 717	119 081	241 982	3 830 478	23 738 664	16 896 533	40 588 834	1 864 554
Boston, MA-NH PMSA (NH Part)	4	35	14	1 247	47 396	850	1 404	30 922	88 950	100 447	189 834	7 205
Lawrence, MA-NH PMSA	—	614	221	32 335	1 293 734	20 815	41 215	667 399	6 650 315	4 087 376	10 726 992	497 169
Lawrence, MA-NH PMSA (MA Part)	—	389	160	25 972	1 082 081	16 696	33 198	554 503	4 316 177	3 054 611	7 364 993	465 556
Lawrence, MA-NH PMSA (NH Part)	—	225	61	6 363	211 653	4 119	8 017	112 896	2 334 138	1 032 765	3 361 999	31 613
Lowell, MA-NH PMSA	1	459	175	23 111	964 725	11 830	23 471	363 705	2 973 313	1 985 235	4 946 373	240 200
Lowell, MA-NH PMSA (MA Part)	1	442	174	22 850	957 881	11 606	23 104	358 622	2 959 079	1 969 794	4 917 167	D
Lowell, MA-NH PMSA (NH Part)	1	17	1	261	6 844	224	367	5 083	14 234	15 441	29 206	D
Manchester, NH PMSA	2	310	100	12 784	437 406	8 757	17 808	235 272	1 008 156	1 090 283	2 099 820	106 567
Nashua, NH PMSA	1	442	159	24 870	997 911	17 046	32 801	571 802	2 408 782	1 922 194	4 377 377	241 405
Portsmouth-Rochester, NH-ME PMSA	—	344	106	16 421	528 623	10 863	21 193	289 541	2 458 869	2 509 219	4 937 404	109 923
Portsmouth-Rochester, NH-ME PMSA (ME Part)	—	41	8	1 061	31 196	734	1 653	21 597	S	S	348 004	4 828
Portsmouth-Rochester, NH-ME PMSA (NH Part)	—	303	98	15 360	497 427	10 129	19 540	267 944	2 374 502	2 249 480	4 589 400	105 095
New Jersey	1	11 788	3 809	407 272	15 314 686	274 363	555 738	8 112 739	49 432 983	46 768 915	96 179 751	3 096 106
New York-Northern New Jersey-Long Island, NY-NJ-CT-PA CMSA	1	29 558	8 200	830 950	29 097 207	553 321	1 093 927	14 901 482	87 014 682	74 718 992	161 783 475	5 629 850
New York-Northern New Jersey-Long Island, NY-NJ-CT-PA CMSA (CT Part)	1	3 133	1 012	125 723	5 087 546	76 929	159 190	2 449 285	15 604 628	10 833 670	26 371 814	1 001 942
New York-Northern New Jersey-Long Island, NY-NJ-CT-PA CMSA (NJ Part)	1	9 861	3 169	333 660	12 664 586	223 013	454 720	6 555 475	41 282 057	36 805 865	77 989 382	2 587 972
New York-Northern New Jersey-Long Island, NY-NJ-CT-PA CMSA (NY Part)	2	16 536	4 015	371 232	11 334 976	253 202	479 752	5 893 542	30 102 207	26 976 237	57 285 948	2 036 548
New York-Northern New Jersey-Long Island, NY-NJ-CT-PA CMSA (PA Part)	—	28	4	335	10 099	177	265	3 180	25 790	103 220	136 331	3 388
Bergen-Passaic, NJ PMSA	1	2 860	960	93 796	3 434 262	63 434	127 768	1 751 190	9 233 171	7 489 921	16 819 622	559 623

See footnotes at end of table.

Table 2-2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

Geographic area	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 em- ploy- ees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
New Jersey—Con.												
New York-Northern New Jersey- Long Island, NY-NJ-CT-PA CMSA —Con.												
Jersey City, NJ PMSA	2	972	278	25 882	769 361	17 827	34 865	411 012	1 993 686	2 052 521	4 089 220	91 385
Middlesex-Somerset-Hunterdon, NJ PMSA	1	1 527	566	70 920	2 959 648	45 870	95 231	1 511 295	9 561 194	9 718 955	19 346 921	822 324
Monmouth-Ocean, NJ PMSA	2	894	196	19 626	592 329	13 913	26 835	330 473	1 626 977	1 599 414	3 218 455	96 152
Newark, NJ PMSA	1	3 256	1 062	109 899	4 329 273	73 616	152 837	2 259 757	17 614 987	14 782 480	32 088 594	939 722
Trenton, NJ PMSA	3	352	107	13 537	579 713	8 353	17 184	291 748	1 252 042	1 162 574	2 426 570	78 766
Philadelphia-Wilmington-Atlantic City, PA-NJ-DE-MD CMSA	1	7 550	2 502	291 975	11 050 670	196 167	395 431	6 199 918	35 695 230	42 640 935	78 071 701	3 136 635
Philadelphia-Wilmington-Atlantic City, PA-NJ-DE-MD CMSA (DE Part)	—	455	149	22 459	1 024 161	14 944	31 952	611 000	3 035 178	5 737 772	8 711 690	409 807
Philadelphia-Wilmington-Atlantic City, PA-NJ-DE-MD CMSA (MD Part)	—	55	22	2 766	100 911	1 618	3 211	48 378	389 059	295 709	677 461	52 939
Philadelphia-Wilmington-Atlantic City, PA-NJ-DE-MD CMSA (NJ Part)	1	1 927	640	73 612	2 650 100	51 350	101 018	1 557 264	8 150 926	9 963 050	18 190 369	508 134
Philadelphia-Wilmington-Atlantic City, PA-NJ-DE-MD CMSA (PA Part)	1	5 113	1 691	193 138	7 275 498	128 255	259 250	3 983 276	24 120 067	26 644 404	50 492 181	2 165 755
Atlantic-Cape May, NJ PMSA	2	242	51	5 740	162 156	4 466	8 371	105 552	390 900	325 574	710 662	17 895
Philadelphia, PA-NJ PMSA	1	6 588	2 190	248 025	9 365 103	165 062	331 890	5 157 785	30 901 629	35 353 981	66 075 762	2 566 297
Philadelphia, PA-NJ PMSA (NJ Part)	—	1 475	499	54 887	2 089 605	36 807	72 640	1 174 509	6 781 562	8 709 577	15 583 581	400 542
Philadelphia, PA-NJ PMSA (PA Part)	1	5 113	1 691	193 138	7 275 498	128 255	259 250	3 983 276	24 120 067	26 644 404	50 492 181	2 165 755
Vineland-Millville-Bridgeton, NJ PMSA	1	210	90	12 985	398 339	10 077	20 007	277 203	978 464	927 899	1 896 126	89 697
New Mexico	—	1 588	290	39 539	1 131 505	29 244	56 972	718 570	13 487 517	4 675 305	18 096 992	572 910
Albuquerque, NM MSA	—	798	174	25 718	786 869	18 663	37 843	489 036	12 243 232	1 961 265	14 165 838	434 012
Las Cruces, NM MSA	3	110	23	2 256	45 505	1 825	3 216	31 127	150 252	259 796	389 093	14 310
Santa Fe, NM MSA	5	176	14	1 493	33 633	1 086	1 780	20 957	75 622	54 374	130 624	4 984
New York	1	23 862	6 653	778 833	26 319 424	533 795	1 049 318	14 577 589	75 858 926	68 693 723	145 019 529	5 626 038
Albany-Schenectady-Troy, NY MSA ..	—	750	247	31 103	1 120 401	21 832	43 987	672 102	3 334 705	3 516 980	6 943 010	324 019
Binghamton, NY MSA	1	290	122	25 484	1 027 594	14 051	27 556	356 443	2 832 274	1 869 116	4 717 204	156 028
Buffalo-Niagara Falls, NY MSA	—	1 559	581	81 278	3 254 849	58 651	121 051	2 117 342	9 560 629	8 836 646	18 428 049	762 144
Elmira, NY MSA	—	94	44	9 098	278 083	6 214	12 888	170 432	765 645	576 380	1 357 316	64 924
Glens Falls, NY MSA	—	182	55	7 842	266 057	5 532	11 053	151 005	797 552	694 751	1 488 025	74 663
Jamestown, NY MSA	—	220	90	13 012	407 681	9 593	19 363	266 175	1 482 522	1 495 006	2 991 786	109 835
New York-Northern New Jersey- Long Island, NY-NJ-CT-PA CMSA ..	1	29 558	8 200	830 950	29 097 207	553 321	1 093 927	14 901 482	87 014 682	74 718 992	161 783 475	5 629 850
New York-Northern New Jersey- Long Island, NY-NJ-CT-PA CMSA (CT Part)	1	3 133	1 012	125 723	5 087 546	76 929	159 190	2 449 285	15 604 628	10 833 670	26 371 814	1 001 942
New York-Northern New Jersey- Long Island, NY-NJ-CT-PA CMSA (NJ Part)	1	9 861	3 169	333 660	12 664 586	223 013	454 720	6 555 475	41 282 057	36 805 865	77 989 382	2 587 972
New York-Northern New Jersey- Long Island, NY-NJ-CT-PA CMSA (NY Part)	2	16 536	4 015	371 232	11 334 976	253 202	479 752	5 893 542	30 102 207	26 976 237	57 285 948	2 036 548
New York-Northern New Jersey- Long Island, NY-NJ-CT-PA CMSA (PA Part)	—	28	4	335	10 099	177	265	3 180	25 790	103 220	136 331	3 388
Dutchess County, NY PMSA	—	210	59	11 848	521 317	5 675	11 405	153 806	937 456	1 932 127	3 032 927	54 681
Nassau-Suffolk, NY PMSA	1	4 172	1 025	110 353	3 913 037	69 723	136 539	1 856 818	10 395 671	7 715 877	18 114 840	634 628
New York, NY PMSA	3	11 808	2 824	238 209	6 584 862	169 726	316 052	3 679 216	17 999 785	16 264 877	34 304 311	1 285 856
Newburgh, NY-PA PMSA	1	374	111	11 157	325 859	8 255	16 021	206 882	795 085	1 166 776	1 970 201	64 771
Newburgh, NY-PA PMSA (NY Part)	1	346	107	j	D	D	D	D	D	D	D	D
Newburgh, NY-PA PMSA (PA Part)	—	28	4	e	D	D	D	D	D	D	D	D
Rochester, NY MSA	—	1 512	578	104 544	4 169 179	67 961	139 487	2 226 650	14 418 851	11 294 853	25 814 127	1 055 710
Syracuse, NY MSA	—	786	276	44 468	1 671 642	29 855	60 702	937 797	4 580 446	5 287 199	9 890 446	367 379
Utica-Rome, NY MSA	2	351	132	19 746	578 864	14 709	28 572	376 736	1 575 927	1 581 435	3 134 338	94 439
North Carolina	—	11 276	4 600	771 474	21 202 451	599 534	1 192 012	13 992 938	79 790 807	83 038 366	162 805 526	5 214 477
Asheville, NC MSA	—	347	133	18 516	517 723	13 999	28 665	323 154	1 480 618	1 617 125	3 110 550	108 793
Charlotte-Gastonia-Rock Hill, NC- SC MSA	—	2 413	918	133 090	4 042 572	100 239	207 493	2 606 899	17 586 378	14 459 326	32 000 386	1 071 325
Charlotte-Gastonia-Rock Hill, NC- SC MSA (NC Part)	—	2 193	830	121 554	3 655 363	91 674	189 937	2 359 639	16 436 493	13 311 884	29 700 173	994 937
Charlotte-Gastonia-Rock Hill, NC- SC MSA (SC Part)	—	220	88	11 536	387 209	8 565	17 556	247 260	1 149 885	1 147 442	2 300 213	76 388
Fayetteville, NC MSA	—	121	52	12 282	384 612	9 912	19 938	281 927	1 442 982	1 367 574	2 766 911	93 238
Goldensboro, NC MSA	—	100	44	9 478	230 622	7 582	12 684	158 799	639 743	766 554	1 414 372	47 541
Greensboro-Winston-Salem-High Point, NC MSA	1	2 394	1 017	148 797	4 162 105	117 829	228 301	2 821 365	16 806 298	13 914 806	30 646 155	934 066
Greenville, NC MSA	—	119	50	9 305	280 849	6 985	13 886	174 479	1 707 304	1 027 491	2 741 904	112 077
Hickory-Morganton-Lenoir, NC MSA ..	—	1 011	515	78 623	1 925 619	65 939	127 789	1 411 288	4 669 824	5 272 018	9 882 119	336 366
Jacksonville, NC MSA	—	37	12	1 829	37 731	1 554	3 169	29 201	169 443	180 009	346 411	D
Norfolk-Virginia Beach-Newport News, VA-NC MSA	—	1 043	294	62 869	2 078 453	43 015	85 246	1 222 622	7 561 171	9 012 410	16 506 709	388 510
Norfolk-Virginia Beach-Newport News, VA-NC MSA (VA Part)	—	1 027	292	62 757	2 075 912	42 929	85 118	1 220 960	7 554 638	9 005 552	16 494 473	D
Raleigh-Durham-Chapel Hill, NC MSA	—	1 141	354	72 228	2 259 205	39 496	74 097	936 119	11 305 363	14 158 958	25 674 336	487 263
Rocky Mount, NC MSA	—	154	81	17 747	501 804	13 996	28 483	327 271	1 441 279	1 934 978	3 380 701	139 128
Wilmington, NC MSA	—	260	72	10 718	425 722	7 707	16 180	269 867	2 073 883	1 678 453	3 711 781	204 016

See footnotes at end of table.

Table 2-2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

Geographic area	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
North Dakota	1	702	188	21 948	604 532	16 359	31 447	386 806	2 008 799	3 297 443	5 295 480	201 019
Bismarck, ND MSA	—	81	22	2 193	74 449	1 568	3 054	48 123	222 511	626 722	853 798	16 167
Fargo-Moorhead, ND-MN MSA	1	219	79	7 974	208 984	5 941	11 557	133 805	682 816	1 056 572	1 740 443	57 096
Fargo-Moorhead, ND-MN MSA (MN Part)	—	38	11	1 225	35 699	999	2 021	27 458	57 541	174 280	229 403	10 969
Fargo-Moorhead, ND-MN MSA (ND Part)	1	181	68	6 749	173 285	4 942	9 536	106 347	625 275	882 292	1 511 040	46 127
Grand Forks, ND-MN MSA	—	92	25	3 087	75 293	2 494	4 626	54 934	275 369	277 675	551 735	17 554
Grand Forks, ND-MN MSA (MN Part)	—	40	12	1 350	36 299	1 107	2 064	26 606	130 024	168 604	300 278	4 252
Grand Forks, ND-MN MSA (ND Part)	—	52	13	1 737	38 994	1 387	2 562	28 328	145 345	109 071	251 457	13 302
Ohio	—	17 921	6 855	980 133	35 811 374	727 110	1 494 596	23 489 758	112 361 392	129 408 857	241 489 801	8 851 039
Canton-Massillon, OH MSA	—	668	264	41 040	1 378 809	31 783	63 465	951 380	4 205 757	4 333 877	8 525 025	312 293
Cincinnati-Hamilton, OH-KY-IN CMSA	—	2 673	1 035	138 541	5 313 799	93 005	190 166	3 029 947	18 723 292	16 309 982	34 919 536	1 465 189
Cincinnati-Hamilton, OH-KY-IN CMSA (IN Part)	—	40	14	2 261	87 160	1 607	2 872	53 481	198 674	129 703	304 271	15 556
Cincinnati-Hamilton, OH-KY-IN CMSA (KY Part)	1	409	171	20 041	677 208	14 759	30 418	420 252	2 176 177	2 079 857	4 233 226	174 514
Cincinnati-Hamilton, OH-KY-IN CMSA (OH Part)	—	2 224	850	116 239	4 549 431	76 639	156 876	2 556 214	16 348 441	14 100 422	30 382 030	1 275 119
Cincinnati, OH-KY-IN PMSA	—	2 280	883	118 300	4 499 899	78 129	158 191	2 470 981	14 384 929	14 053 377	28 345 279	1 267 446
Cincinnati, OH-KY-IN PMSA (IN Part)	—	40	14	2 261	87 160	1 607	2 872	53 481	198 674	129 703	304 271	15 556
Cincinnati, OH-KY-IN PMSA (KY Part)	1	409	171	20 041	677 208	14 759	30 418	420 252	2 176 177	2 079 857	4 233 226	174 514
Cincinnati, OH-KY-IN PMSA (OH Part)	—	1 831	698	95 998	3 735 531	61 763	124 901	1 997 248	12 010 078	11 843 810	23 807 773	1 077 376
Hamilton-Middletown, OH PMSA ..	—	393	152	20 241	813 900	14 876	31 975	558 966	4 338 363	2 256 612	6 574 266	197 743
Cleveland-Akron, OH CMSA	—	6 005	2 199	254 082	9 426 569	179 397	374 130	5 752 060	26 171 495	27 036 093	53 169 062	2 470 794
Akron, OH PMSA	1	1 387	529	55 160	1 911 006	38 739	79 711	1 156 579	4 693 364	4 237 760	8 961 755	478 374
Cleveland-Lorain-Elyria, OH PMSA	—	4 618	1 670	198 922	7 515 563	140 658	294 419	4 595 481	21 478 131	22 798 333	44 207 307	1 992 420
Columbus, OH MSA	—	1 574	552	77 196	2 740 525	55 987	111 259	1 709 102	9 646 952	8 550 622	18 141 832	719 015
Dayton-Springfield, OH MSA	—	1 558	586	87 964	3 468 519	65 043	136 315	2 323 251	10 462 924	12 701 142	23 107 718	649 874
Huntington-Ashland, WV-KY-OH MSA	—	260	101	14 777	540 084	11 318	23 260	395 271	2 570 822	3 490 462	6 061 632	236 732
Huntington-Ashland, WV-KY-OH MSA (KY Part)	—	72	31	5 384	232 596	4 312	9 013	180 357	1 212 793	2 348 635	3 550 120	144 094
Huntington-Ashland, WV-KY-OH MSA (OH Part)	1	44	12	1 969	65 020	1 462	3 100	46 790	530 855	459 192	998 054	33 568
Huntington-Ashland, WV-KY-OH MSA (WV Part)	1	144	58	7 424	242 468	5 544	11 147	168 124	827 174	682 635	1 513 458	59 070
Lima, OH MSA	—	225	88	17 808	696 479	13 575	28 893	488 413	3 569 061	4 826 844	8 384 353	329 661
Mansfield, OH MSA	—	309	138	21 464	770 244	16 743	34 032	561 275	1 854 386	1 773 763	3 612 611	163 791
Parkersburg-Marietta, WV-OH MSA ..	—	182	70	12 252	481 108	8 728	18 316	309 094	2 419 550	1 778 516	4 203 976	309 623
Parkersburg-Marietta, WV-OH MSA (OH Part)	—	104	43	5 242	187 834	3 591	7 496	113 645	933 625	962 452	1 902 110	106 014
Parkersburg-Marietta, WV-OH MSA (WV Part)	—	78	27	7 010	293 274	5 137	10 820	195 449	1 485 925	816 064	2 301 866	203 609
Steubenville-Weirton, OH-WV MSA ..	—	105	47	11 545	458 816	8 602	18 772	324 733	1 219 735	2 003 061	3 208 373	156 324
Steubenville-Weirton, OH-WV MSA (OH Part)	—	45	12	2 244	78 694	1 579	3 301	49 589	187 550	301 370	463 283	18 024
Steubenville-Weirton, OH-WV MSA (WV Part)	—	60	35	9 301	380 122	7 023	15 471	275 144	1 032 185	1 701 691	2 745 090	138 300
Toledo, OH MSA	—	952	391	55 542	2 190 619	43 840	91 337	1 602 721	5 698 296	10 623 299	16 339 912	436 970
Wheeling, WV-OH MSA	—	136	41	3 444	88 866	2 686	4 996	62 409	310 823	324 656	632 280	31 446
Wheeling, WV-OH MSA (OH Part) ..	—	55	13	1 523	36 909	1 190	2 221	26 412	111 446	162 993	272 475	19 800
Wheeling, WV-OH MSA (WV Part) ..	—	81	28	1 921	51 957	1 496	2 775	35 997	199 377	161 663	359 805	11 646
Youngstown-Warren, OH MSA	—	893	342	55 938	2 272 468	45 090	92 334	1 694 779	5 305 839	9 298 175	14 634 983	270 251
Oklahoma	—	4 079	1 187	163 812	4 967 086	122 352	241 863	3 222 983	17 226 649	20 228 803	37 423 437	1 082 614
Enid, OK MSA	—	66	14	2 389	62 677	2 090	3 043	41 971	232 575	265 901	506 210	7 307
Fort Smith, AR-OK MSA	—	312	128	26 985	673 146	22 220	43 486	493 614	2 226 593	2 742 393	4 994 854	147 634
Fort Smith, AR-OK MSA (AR Part) ..	—	293	123	k	D	D	D	D	D	D	D	145 750
Fort Smith, AR-OK MSA (OK Part) ..	—	19	5	e	D	D	D	D	D	D	D	1 884
Lawton, OK MSA	—	51	13	3 325	119 762	2 914	5 930	102 499	509 641	391 060	900 820	44 071
Oklahoma City, OK MSA	—	1 177	333	50 936	1 609 258	36 458	71 473	1 019 190	6 041 311	6 526 844	12 576 178	259 198
Tulsa, OK MSA	1	1 438	470	51 047	1 672 672	35 246	72 962	972 157	4 809 735	5 168 887	9 957 867	331 407
Oregon	—	5 749	1 662	211 329	7 045 200	157 068	314 114	4 513 660	25 100 453	22 613 809	47 534 802	3 018 411
Eugene-Springfield, OR MSA	1	624	172	19 097	584 274	14 035	27 012	378 139	1 491 855	2 137 538	3 609 792	758 149
Medford-Ashland, OR MSA	1	301	70	7 428	201 656	5 740	11 493	141 146	512 491	913 317	1 424 011	67 989
Portland-Salem, OR-WA CMSA	—	3 811	1 158	147 655	5 061 789	106 703	211 699	3 097 280	20 247 163	15 183 854	35 257 613	2 325 650
Portland-Salem, OR-WA CMSA (OR Part)	—	3 391	1 028	128 139	4 347 544	91 408	181 469	2 608 649	18 255 614	13 280 658	31 409 423	1 811 611
Portland-Salem, OR-WA CMSA (WA Part)	—	420	130	19 516	714 245	15 295	30 230	488 631	1 991 549	1 903 196	3 848 190	514 039
Portland-Vancouver, OR-WA PMSA	—	3 348	1 015	133 210	4 657 752	95 322	189 654	2 836 873	19 163 950	13 709 723	32 710 219	2 215 413
Portland-Vancouver, OR-WA PMSA (OR Part)	—	2 928	885	113 694	3 943 507	80 027	159 424	2 348 242	17 172 401	11 806 527	28 862 029	1 701 374
Portland-Vancouver, OR-WA PMSA (WA Part)	—	420	130	19 516	714 245	15 295	30 230	488 631	1 991 549	1 903 196	3 848 190	514 039
Salem, OR PMSA	1	463	143	14 445	404 037	11 381	22 045	260 407	1 083 213	1 474 131	2 547 394	110 237

See footnotes at end of table.

Table 2-2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

Geographic area	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)
		Total	With 20 em- ploy- ees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
Pennsylvania	1	17 087	6 319	820 204	27 528 493	593 401	1 187 997	17 002 772	86 116 509	86 181 634	171 494 390	6 840 011
Allentown-Bethlehem-Easton, PA MSA	—	918	368	44 905	1 490 246	32 151	63 670	894 072	6 889 325	3 719 105	10 606 245	439 583
Altoona, PA MSA	—	156	61	8 961	251 641	6 956	13 412	165 486	865 088	722 393	1 592 074	59 060
Erie, PA MSA	—	568	251	32 539	1 129 759	23 937	52 847	729 026	3 119 081	2 613 365	5 761 446	201 178
Harrisburg-Lebanon-Carlisle, PA MSA	—	673	264	38 845	1 239 517	29 567	59 963	852 086	3 945 531	4 777 332	8 642 067	239 579
Johnstown, PA MSA	2	269	99	11 743	290 819	8 329	15 250	183 406	792 177	1 138 803	1 950 762	46 276
Lancaster, PA MSA	—	916	368	52 836	1 737 796	40 086	79 038	1 167 409	5 599 342	4 984 775	10 459 145	435 243
New York-Northern New Jersey- Long Island, NY-NJ-CT-PA CMSA ..	1	29 558	8 200	830 950	29 097 207	553 321	1 093 927	14 901 482	87 014 682	74 718 992	161 783 475	5 629 850
New York-Northern New Jersey- Long Island, NY-NJ-CT-PA CMSA (CT Part)	1	3 133	1 012	125 723	5 087 546	76 929	159 190	2 449 285	15 604 628	10 833 670	26 371 814	1 001 942
New York-Northern New Jersey- Long Island, NY-NJ-CT-PA CMSA (NJ Part)	1	9 861	3 169	333 660	12 664 586	223 013	454 720	6 555 475	41 282 057	36 805 865	77 989 382	2 587 972
New York-Northern New Jersey- Long Island, NY-NJ-CT-PA CMSA (NY Part)	2	16 536	4 015	371 232	11 334 976	253 202	479 752	5 893 542	30 102 207	26 976 237	57 285 948	2 036 548
New York-Northern New Jersey- Long Island, NY-NJ-CT-PA CMSA (PA Part)	—	28	4	335	10 099	177	265	3 180	25 790	103 220	136 331	3 388
Newburgh, NY-PA PMSA	1	374	111	11 157	325 859	8 255	16 021	206 882	795 085	1 166 776	1 970 201	64 771
Newburgh, NY-PA PMSA (NY Part)	1	346	107	j	D	D	D	D	D	D	D	D
Newburgh, NY-PA PMSA (PA Part)	—	28	4	e	D	D	D	D	D	D	D	D
Philadelphia-Wilmington-Atlantic City, PA-NJ-DE-MD CMSA	1	7 550	2 502	291 975	11 050 670	196 167	395 431	6 199 918	35 695 230	42 640 935	78 071 701	3 136 635
Philadelphia-Wilmington-Atlantic City, PA-NJ-DE-MD CMSA (DE Part)	—	455	149	22 459	1 024 161	14 944	31 952	611 000	3 035 178	5 737 772	8 711 690	409 807
Philadelphia-Wilmington-Atlantic City, PA-NJ-DE-MD CMSA (MD Part)	—	55	22	2 766	100 911	1 618	3 211	48 378	389 059	295 709	677 461	52 939
Philadelphia-Wilmington-Atlantic City, PA-NJ-DE-MD CMSA (NJ Part)	1	1 927	640	73 612	2 650 100	51 350	101 018	1 557 264	8 150 926	9 963 050	18 190 369	508 134
Philadelphia-Wilmington-Atlantic City, PA-NJ-DE-MD CMSA (PA Part)	1	5 113	1 691	193 138	7 275 498	128 255	259 250	3 983 276	24 120 067	26 644 404	50 492 181	2 165 755
Philadelphia, PA-NJ PMSA	1	6 588	2 190	248 025	9 365 103	165 062	331 890	5 157 785	30 901 629	35 353 981	66 075 762	2 566 297
Philadelphia, PA-NJ PMSA (NJ Part)	—	1 475	499	54 887	2 089 605	36 807	72 640	1 174 509	6 781 562	8 709 577	15 583 581	400 542
Philadelphia, PA-NJ PMSA (PA Part)	1	5 113	1 691	193 138	7 275 498	128 255	259 250	3 983 276	24 120 067	26 644 404	50 492 181	2 165 755
Pittsburgh, PA MSA	—	2 993	988	119 830	4 321 634	82 557	163 456	2 573 852	11 138 696	13 175 946	24 116 509	896 216
Reading, PA MSA	—	586	240	41 572	1 509 453	30 892	62 296	953 198	3 991 718	3 652 218	7 614 095	344 703
Scranton-Wilkes-Barre-Hazleton, PA MSA	1	848	354	51 358	1 518 483	40 180	83 014	1 063 684	5 448 641	4 841 497	10 221 071	532 052
Sharon, PA MSA	1	198	77	10 435	326 309	7 769	15 584	220 551	910 861	1 551 829	2 438 542	57 587
State College, PA MSA	—	159	58	8 546	255 406	5 941	11 755	148 714	790 071	625 316	1 409 254	127 102
Williamsport, PA MSA	—	207	94	12 842	363 468	9 624	18 640	228 919	1 174 101	1 257 157	2 439 814	59 826
York, PA MSA	—	660	313	45 779	1 567 293	33 442	66 397	982 073	4 650 126	3 539 980	8 151 579	300 233
Rhode Island	1	2 526	696	74 666	2 264 507	52 213	103 787	1 265 607	5 462 493	4 882 795	10 388 007	397 298
New London-Norwich, CT-RI MSA ..	—	334	93	24 244	1 173 786	10 865	22 825	341 986	2 218 408	1 410 264	3 648 491	238 883
New London-Norwich, CT-RI MSA (CT Part)	1	288	78	22 719	1 125 251	9 708	20 455	308 897	2 100 970	1 303 244	3 420 042	232 189
New London-Norwich, CT-RI MSA (RI Part)	—	46	15	1 525	48 535	1 157	2 370	33 089	117 438	107 020	228 449	6 694
Providence-Fall River-Warwick, RI- MA MSA	1	2 910	858	96 793	2 899 987	69 211	138 639	1 646 992	6 804 190	6 178 653	13 049 963	520 545
Providence-Fall River-Warwick, RI-MA MSA (MA Part)	1	505	191	25 848	781 318	19 062	38 883	438 567	1 627 592	1 516 371	3 174 216	137 410
Providence-Fall River-Warwick, RI-MA MSA (RI Part)	1	2 405	667	70 945	2 118 669	50 149	99 756	1 208 425	5 176 598	4 662 282	9 875 747	383 135
South Carolina	—	4 437	1 860	343 452	10 312 408	265 645	536 612	6 814 088	33 343 682	37 125 249	70 384 095	3 405 410
Augusta-Aiken, GA-SC MSA	—	364	149	41 124	1 560 574	25 542	47 726	817 378	6 566 686	3 832 466	10 376 189	463 785
Augusta-Aiken, GA-SC MSA (GA Part)	—	237	98	19 084	619 348	13 651	26 818	375 719	3 038 301	2 744 758	5 786 515	161 885
Augusta-Aiken, GA-SC MSA (SC Part)	—	127	51	22 040	941 226	11 891	20 908	441 659	3 528 385	1 087 708	4 589 674	301 900
Charleston-North Charleston, SC MSA	—	414	132	20 554	686 658	14 897	30 511	435 856	2 801 551	3 459 763	6 306 800	656 741
Charlotte-Gastonia-Rock Hill, NC- SC MSA	—	2 413	918	133 090	4 042 572	100 239	207 493	2 606 899	17 586 378	14 459 326	32 000 386	1 071 325
Charlotte-Gastonia-Rock Hill, NC- SC MSA (NC Part)	—	2 193	830	121 554	3 655 363	91 674	189 937	2 359 639	16 436 493	13 311 884	29 700 173	994 937
Charlotte-Gastonia-Rock Hill, NC- SC MSA (SC Part)	—	220	88	11 536	387 209	8 565	17 556	247 260	1 149 885	1 147 442	2 300 213	76 388
Columbia, SC MSA	—	460	162	23 522	785 021	16 649	33 134	462 493	2 525 074	2 809 007	5 327 087	184 105
Florence, SC MSA	—	139	62	11 011	328 248	7 889	15 857	200 288	972 990	1 145 538	2 114 244	129 903
Greenville-Spartanburg-Anderson, SC MSA	—	1 598	683	119 616	3 662 729	94 082	191 291	2 471 593	11 000 495	13 873 041	24 817 799	1 085 144
Myrtle Beach, SC MSA	—	160	31	6 687	173 408	4 559	9 377	98 927	543 619	409 878	927 797	46 983
Sumter, SC MSA	—	83	49	12 549	300 171	10 925	21 403	227 386	966 101	1 063 995	2 030 523	61 991
South Dakota	—	884	289	46 287	1 155 969	33 041	64 773	703 545	4 352 357	7 811 807	12 164 706	262 798
Rapid City, SD MSA	2	134	38	4 263	100 840	3 214	6 051	62 420	318 502	606 685	867 319	25 372
Sioux Falls, SD MSA	—	196	65	12 882	337 628	9 536	19 224	216 269	1 212 079	2 037 130	3 161 379	78 690

See footnotes at end of table.

Table 2-2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

Geographic area	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)
		Total	With 20 em- ploy- ees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
Tennessee	—	7 384	2 888	482 639	14 329 669	374 140	741 421	9 454 387	44 527 758	54 195 539	98 649 891	3 853 294
Chattanooga, TN—GA MSA	1	705	275	43 794	1 257 303	33 270	66 238	797 321	3 371 306	4 067 962	7 413 781	330 996
Chattanooga, TN—GA MSA (GA Part)	2	161	54	9 509	227 374	8 332	16 664	175 811	781 780	949 266	1 708 155	97 079
Chattanooga, TN—GA MSA (TN Part)	—	544	221	34 285	1 029 929	24 938	49 574	621 510	2 589 526	3 118 696	5 705 626	233 917
Clarksville—Hopkinsville, TN—KY MSA	—	138	55	10 994	298 011	9 129	18 449	215 146	1 113 586	1 069 307	2 177 503	85 850
Clarksville—Hopkinsville, TN—KY MSA (KY Part)	—	55	23	4 431	114 377	3 597	7 428	78 972	329 689	446 566	772 324	22 875
Clarksville—Hopkinsville, TN—KY MSA (TN Part)	—	83	32	6 563	183 634	5 532	11 021	136 174	783 897	622 741	1 405 179	62 975
Jackson, TN MSA	—	162	75	13 282	401 121	10 675	22 028	273 053	1 541 586	2 075 988	3 549 446	188 754
Johnson City—Kingsport—Bristol, TN— VA MSA	—	569	224	48 288	1 624 408	35 946	71 945	995 331	4 403 311	4 168 269	8 625 953	462 344
Johnson City—Kingsport—Bristol, TN—VA MSA (TN Part)	—	452	178	38 976	1 381 078	28 549	57 013	826 001	3 741 659	3 254 095	7 058 642	419 873
Johnson City—Kingsport—Bristol, TN—VA MSA (VA Part)	—	117	46	9 312	243 330	7 397	14 932	169 330	661 652	914 174	1 567 311	42 471
Knoxville, TN MSA	—	892	289	43 193	1 310 505	31 539	62 733	786 523	4 417 636	4 186 765	8 593 223	233 258
Memphis, TN—AR—MS MSA	—	1 149	471	57 634	1 854 726	40 058	80 976	1 065 814	6 192 353	8 430 963	14 703 789	498 743
Memphis, TN—AR—MS MSA (AR Part)	—	44	22	2 272	54 786	1 784	3 491	35 491	216 773	397 575	609 651	19 486
Memphis, TN—AR—MS MSA (MS Part)	1	129	61	6 977	207 151	5 165	11 188	132 937	553 437	786 858	1 339 191	39 128
Memphis, TN—AR—MS MSA (TN Part)	—	976	388	48 385	1 592 789	33 109	66 297	897 386	5 422 143	7 246 530	12 754 947	440 129
Nashville, TN MSA	—	1 537	550	84 185	2 775 852	63 968	125 082	1 809 374	8 370 430	13 130 092	21 434 508	992 910
Texas	—	21 763	6 753	958 232	32 718 983	663 356	1 340 712	18 093 008	127 579 894	169 487 234	296 782 631	12 505 676
Abilene, TX MSA	—	118	28	3 062	79 897	2 121	3 922	44 560	531 226	472 693	1 010 679	21 553
Amarillo, TX MSA	—	203	53	11 110	359 114	7 430	15 560	233 107	823 219	2 755 558	3 624 906	36 651
Austin—San Marcos, TX MSA	—	1 191	328	68 575	2 526 943	36 633	75 529	996 184	13 959 200	10 939 847	24 900 734	1 316 742
Beaumont—Port Arthur, TX MSA	—	347	115	21 392	1 052 709	15 262	34 500	690 311	5 635 368	13 247 585	18 961 523	826 002
Brownsville—Harlingen—San Benito, TX MSA	—	235	67	12 731	244 541	10 503	18 119	169 004	685 915	983 929	1 669 862	32 233
Bryan—College Station, TX MSA	1	100	24	2 953	73 625	2 137	4 417	42 684	168 461	196 120	362 371	12 355
Corpus Christi, TX MSA	4	266	71	11 326	473 557	7 756	15 764	294 712	2 910 507	8 164 586	11 203 015	377 707
Dallas—Fort Worth, TX CMSA	1	6 744	2 232	313 502	11 473 791	203 048	410 196	5 522 735	34 553 910	29 159 037	63 403 788	2 877 105
Dallas, TX PMSA	—	4 442	1 486	209 608	7 679 638	136 574	274 649	3 684 664	24 494 295	19 412 772	43 534 739	2 204 685
Fort Worth—Arlington, TX PMSA	1	2 302	746	103 894	3 794 153	66 474	135 547	1 838 071	10 059 615	9 746 265	19 869 049	672 420
El Paso, TX MSA	1	650	214	36 627	771 435	29 553	54 869	527 647	3 309 921	4 708 767	7 985 250	233 996
Houston—Galveston—Brazoria, TX CMSA	—	5 377	1 673	202 560	7 881 771	138 263	281 155	4 465 517	37 825 037	62 089 643	99 774 585	4 457 673
Brazoria, TX PMSA	—	199	61	14 269	685 243	10 111	20 320	4 255 116	2 595 118	8 174 294	10 776 818	793 692
Galveston—Texas City, TX PMSA	1	160	35	7 279	392 507	4 817	10 921	244 497	1 761 759	7 422 044	9 182 629	183 618
Houston, TX PMSA	—	5 018	1 577	181 012	6 804 021	123 335	249 914	3 795 904	33 468 160	46 493 305	79 815 138	3 480 363
Killeen—Temple, TX MSA	—	160	52	7 921	214 373	6 171	12 832	143 894	707 433	691 699	1 394 526	50 818
Laredo, TX MSA	1	87	15	1 389	27 181	969	1 530	15 067	135 807	117 435	254 090	18 501
Lubbock—Marshall, TX MSA	—	325	128	16 729	543 831	12 370	24 510	341 953	1 694 404	2 381 380	4 065 623	203 270
Lubbock, TX MSA	—	258	71	7 286	203 827	5 026	9 809	99 960	881 542	695 508	1 566 439	142 257
McAllen—Edinburg—Mission, TX MSA	—	261	66	9 975	173 517	8 159	13 667	123 139	671 915	749 801	1 428 173	40 651
Odessa—Midland, TX MSA	1	338	87	5 961	192 141	4 094	8 142	106 979	657 813	962 617	1 612 243	51 770
San Angelo, TX MSA	2	100	28	4 452	105 090	3 579	7 162	74 707	367 257	463 431	827 641	10 494
San Antonio, TX MSA	1	1 293	351	47 328	1 259 209	33 836	66 274	701 194	3 681 186	3 797 455	7 474 954	300 624
Sherman—Denison, TX MSA	—	139	46	10 133	363 170	7 781	15 822	222 696	1 806 594	1 365 829	3 166 517	209 816
Texarkana, TX—Texarkana, AR MSA	—	100	33	6 330	227 682	4 665	9 383	152 714	622 525	855 184	1 471 132	57 204
Texarkana, TX—Texarkana, AR MSA (AR Part)	—	25	8	2 274	99 726	1 648	3 092	68 033	263 404	236 887	495 614	25 144
Texarkana, TX—Texarkana, AR MSA (TX Part)	—	75	25	4 056	127 956	3 017	6 291	84 681	359 121	618 297	975 518	32 060
Tyler, TX MSA	—	213	66	10 969	381 088	8 450	17 061	262 592	1 112 957	1 180 233	2 299 149	49 581
Victoria, TX MSA	—	71	17	3 064	119 483	2 265	4 815	82 409	592 547	657 109	1 245 290	97 903
Waco, TX MSA	—	262	102	16 654	492 684	11 982	24 255	298 046	2 130 184	1 843 362	3 952 509	72 264
Wichita Falls, TX MSA	—	156	43	7 939	255 222	6 272	12 591	183 526	770 572	666 070	1 437 271	57 878
Utah	—	2 855	857	121 899	3 765 895	86 686	169 255	2 246 557	11 689 959	13 346 669	24 953 032	948 033
Flagstaff, AZ—UT MSA	—	101	15	2 487	81 859	1 411	2 913	32 697	358 079	241 868	603 701	27 506
Flagstaff, AZ—UT MSA (AZ Part)	—	95	13	g	D	D	D	D	D	D	D	D
Flagstaff, AZ—UT MSA (UT Part)	—	6	2	e	D	D	D	D	D	D	D	D
Provo—Orem, UT MSA	1	390	126	15 949	461 342	11 682	20 978	300 110	1 191 787	1 486 118	2 671 611	158 097
Salt Lake City—Ogden, UT MSA	—	1 873	571	79 637	2 548 928	54 794	108 996	1 419 327	8 343 257	9 090 861	17 334 502	579 587
Vermont	—	1 225	339	42 503								

Table 2-2. Industry Statistics for Metropolitan Areas: 1997—Con.

[Includes data for industry groups and industries with 250 employees or more. For definitions of CMSAs, MSAs, and PMSAs, information on geographic areas followed by *, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

Geographic area	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
Virginia—Con.												
Washington—Baltimore, DC—MD—VA—WV CMSA	1	4 964	1 385	179 493	6 686 803	117 732	235 748	3 603 434	20 487 360	18 555 619	38 984 161	1 498 540
Washington—Baltimore, DC—MD—VA—WV CMSA (DC Part)	2	199	35	2 847	100 865	1 916	3 714	60 680	170 633	149 165	319 884	9 832
Washington—Baltimore, DC—MD—VA—WV CMSA (MD Part)	1	3 473	1 030	137 668	5 116 580	90 053	180 724	2 793 587	16 366 918	15 077 589	31 402 048	1 135 243
Washington—Baltimore, DC—MD—VA—WV CMSA (VA Part)	1	1 229	287	33 729	1 321 981	21 350	42 664	645 839	3 488 002	2 873 682	6 349 013	255 535
Washington—Baltimore, DC—MD—VA—WV CMSA (WV Part)	—	63	33	5 249	147 377	4 413	8 646	103 328	461 807	455 183	913 216	97 930
Washington, DC—MD—VA—WV PMSA	1	2 649	665	77 580	2 978 073	48 653	97 352	1 435 395	7 928 071	6 572 439	14 437 528	729 970
Washington, DC—MD—VA—WV PMSA (DC Part)	2	199	35	2 847	100 865	1 916	3 714	60 680	170 633	149 165	319 884	9 832
Washington, DC—MD—VA—WV PMSA (MD Part)	1	1 158	310	35 755	1 407 850	20 974	42 328	625 548	3 807 629	3 094 409	6 855 415	366 673
Washington, DC—MD—VA—WV PMSA (VA Part)	1	1 229	287	33 729	1 321 981	21 350	42 664	645 839	3 488 002	2 873 682	6 349 013	255 535
Washington, DC—MD—VA—WV PMSA (WV Part)	—	63	33	5 249	147 377	4 413	8 646	103 328	461 807	455 183	913 216	97 930
Washington	1	7 781	2 145	327 207	12 970 253	212 981	424 129	7 042 745	31 534 413	48 896 972	78 507 552	2 628 861
Bellingham, WA MSA	—	313	83	9 067	291 858	6 763	12 820	192 996	887 008	3 085 696	3 988 234	86 325
Portland—Salem, OR—WA CMSA	—	3 811	1 158	147 655	5 061 789	106 703	211 699	3 097 280	20 247 163	15 183 854	35 257 613	2 325 650
Portland—Salem, OR—WA CMSA (OR Part)	—	3 391	1 028	128 139	4 347 544	91 408	181 469	2 608 649	18 255 614	13 280 658	31 409 423	1 811 611
Portland—Salem, OR—WA CMSA (WA Part)	—	420	130	19 516	714 245	15 295	30 230	488 631	1 991 549	1 903 196	3 848 190	514 039
Portland—Vancouver, OR—WA PMSA	—	3 348	1 015	133 210	4 657 752	95 322	189 654	2 836 873	19 163 950	13 709 723	32 710 219	2 215 413
Portland—Vancouver, OR—WA PMSA (OR Part)	—	2 928	885	113 694	3 943 507	80 027	159 424	2 348 242	17 172 401	11 806 527	28 862 029	1 701 374
Portland—Vancouver, OR—WA PMSA (WA Part)	—	420	130	19 516	714 245	15 295	30 230	488 631	1 991 549	1 903 196	3 848 190	514 039
Richland—Kennewick—Pasco, WA MSA	—	168	31	6 764	208 594	5 302	10 984	134 328	646 665	1 408 500	2 045 956	65 247
Seattle—Tacoma—Bremerton, WA CMSA	2	4 845	1 318	219 335	9 439 814	129 377	260 869	4 634 018	21 418 388	32 021 251	51 565 150	1 243 036
Bremerton, WA PMSA	2	143	16	1 441	36 809	1 016	1 680	20 851	81 349	59 960	142 740	3 842
Olympia, WA PMSA	—	156	37	3 218	100 654	2 503	4 590	69 868	304 361	465 229	761 028	29 218
Seattle—Bellevue—Everett, WA PMSA	2	3 868	1 057	192 457	8 595 706	109 033	220 313	4 064 464	19 118 108	29 079 010	46 346 438	1 015 209
Tacoma, WA PMSA	1	678	208	22 219	706 645	16 825	34 286	478 835	1 914 570	2 417 052	4 314 944	194 767
Spokane, WA MSA	—	570	174	20 572	667 079	14 515	28 491	398 485	1 605 531	2 153 834	3 760 047	152 239
Yakima, WA MSA	—	238	88	10 023	261 753	8 080	15 335	184 574	744 698	1 282 739	2 023 481	87 395
West Virginia	—	1 499	512	72 425	2 453 353	55 378	112 022	1 655 632	8 980 535	8 941 129	17 947 576	914 250
Charleston, WV MSA	—	172	48	7 456	307 397	5 272	10 762	201 458	2 035 835	1 248 260	3 292 162	94 904
Cumberland, MD—WV MSA	—	83	29	5 307	179 632	4 034	7 762	120 354	498 219	409 274	922 229	191 987
Cumberland, MD—WV MSA (MD Part)	—	67	21	4 169	139 197	3 206	6 128	95 607	396 422	374 661	785 922	D
Cumberland, MD—WV MSA (WV Part)	—	16	8	1 138	40 435	828	1 634	24 747	101 797	34 613	136 307	D
Huntington—Ashland, WV—KY—OH MSA	—	260	101	14 777	540 084	11 318	23 260	395 271	2 570 822	3 490 462	6 061 632	236 732
Huntington—Ashland, WV—KY—OH MSA (KY Part)	—	72	31	5 384	232 596	4 312	9 013	180 357	1 212 793	2 348 635	3 550 120	144 094
Huntington—Ashland, WV—KY—OH MSA (OH Part)	1	44	12	1 969	65 020	1 462	3 100	46 790	530 855	459 192	998 054	33 568
Huntington—Ashland, WV—KY—OH MSA (WV Part)	1	144	58	7 424	242 468	5 544	11 147	168 124	827 174	682 635	1 513 458	59 070
Parkersburg—Marietta, WV—OH MSA	—	182	70	12 252	481 108	8 728	18 316	309 094	2 419 550	1 778 516	4 203 976	309 623
Parkersburg—Marietta, WV—OH MSA (OH Part)	—	104	43	5 242	187 834	3 591	7 496	113 645	933 625	962 452	1 902 110	106 014
Parkersburg—Marietta, WV—OH MSA (WV Part)	—	78	27	7 010	293 274	5 137	10 820	195 449	1 485 925	816 064	2 301 866	203 609
Steubenville—Weirton, OH—WV MSA	—	105	47	11 545	458 816	8 602	18 772	324 733	1 219 735	2 003 061	3 208 373	156 324
Steubenville—Weirton, OH—WV MSA (OH Part)	—	45	12	2 244	78 694	1 579	3 301	49 589	187 550	301 370	463 283	18 024
Steubenville—Weirton, OH—WV MSA (WV Part)	—	60	35	9 301	380 122	7 023	15 471	275 144	1 032 185	1 701 691	2 745 090	138 300
Washington—Baltimore, DC—MD—VA—WV CMSA	1	4 964	1 385	179 493	6 686 803	117 732	235 748	3 603 434	20 487 360	18 555 619	38 984 161	1 498 540
Washington—Baltimore, DC—MD—VA—WV CMSA (DC Part)	2	199	35	2 847	100 865	1 916	3 714	60 680	170 633	149 165	319 884	9 832
Washington—Baltimore, DC—MD—VA—WV CMSA (MD Part)	1	3 473	1 030	137 668	5 116 580	90 053	180 724	2 793 587	16 366 918	15 077 589	31 402 048	1 135 243
Washington—Baltimore, DC—MD—VA—WV CMSA (VA Part)	1	1 229	287	33 729	1 321 981	21 350	42 664	645 839	3 488 002	2 873 682	6 349 013	255 535
Washington—Baltimore, DC—MD—VA—WV CMSA (WV Part)	—	63	33	5 249	147 377	4 413	8 646	103 328	461 807	455 183	913 216	97 930
Washington, DC—MD—VA—WV PMSA	1	2 649	665	77 580	2 978 073	48 653	97 352	1 435 395	7 928 071	6 572 439	14 437 528	729 970
Washington, DC—MD—VA—WV PMSA (DC Part)	2	199	35	2 847	100 865	1 916	3 714	60 680	170 633	149 165	319 884	9 832
Washington, DC—MD—VA—WV PMSA (MD Part)	1	1 158	310	35 755	1 407 850	20 974	42 328	625 548	3 807 629	3 094 409	6 855 415	366 673
Washington, DC—MD—VA—WV PMSA (VA Part)	1	1 229	287	33 729	1 321 981	21 350	42 664	645 839	3 488 002	2 873 682	6 349 013	255 535
Washington, DC—MD—VA—WV PMSA (WV Part)	—	63	33	5 249	147 377	4 413	8 646	103 328	461 807	455 183	913 216	97 930

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		Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
West Virginia—Con.												
Wheeling, WV—OH MSA	—	136	41	3 444	88 866	2 686	4 996	62 409	310 823	324 656	632 280	31 446
Wheeling, WV—OH MSA (OH Part) .	—	55	13	1 523	36 909	1 190	2 221	26 412	111 446	162 993	272 475	19 800
Wheeling, WV—OH MSA (WV Part)	—	81	28	1 921	51 957	1 496	2 775	35 997	199 377	161 663	359 805	11 646
Wisconsin	—	9 914	3 886	560 582	18 874 331	414 966	829 277	12 001 190	54 974 219	62 210 676	117 150 720	4 134 060
Appleton—Oshkosh—Neenah, WI MSA	—	681	324	54 651	1 924 718	40 008	82 374	1 268 207	5 816 356	6 694 199	12 494 446	439 626
Chicago—Gary—Kenosha, IL—IN—WI CMSA	1	14 049	5 180	657 756	24 662 571	455 113	938 434	14 041 438	72 716 057	73 153 686	145 571 118	6 064 259
Chicago—Gary—Kenosha, IL—IN—WI CMSA (IL Part)	1	13 277	4 882	598 848	21 895 860	410 541	843 698	12 036 965	64 141 788	61 024 127	124 914 067	5 010 461
Chicago—Gary—Kenosha, IL—IN—WI CMSA (IN Part)	—	568	216	49 382	2 370 470	37 247	79 555	1 723 019	7 685 363	10 974 522	18 615 686	907 012
Chicago—Gary—Kenosha, IL—IN—WI CMSA (WI Part)	—	204	82	9 526	396 241	7 325	15 181	281 454	888 906	1 155 037	2 041 365	146 786
Kenosha, WI PMSA	—	204	82	9 526	396 241	7 325	15 181	281 454	888 906	1 155 037	2 041 365	146 786
Duluth—Superior, MN—WI MSA	1	282	70	6 797	199 420	4 933	9 566	126 852	582 880	769 644	1 363 658	151 257
Duluth—Superior, MN—WI MSA (MN Part)	1	226	56	5 254	154 015	3 717	7 285	94 958	454 809	404 450	863 487	141 544
Duluth—Superior, MN—WI MSA (WI Part)	—	56	14	1 543	45 405	1 216	2 281	31 894	128 071	365 194	500 171	9 713
Eau Claire, WI MSA	—	219	76	10 624	314 605	8 042	15 087	216 360	810 437	828 992	1 641 106	105 016
Green Bay, WI MSA	1	394	166	25 693	1 010 959	18 422	38 194	600 422	2 573 645	3 627 027	6 184 141	219 161
Janesville—Beloit, WI MSA	—	234	81	19 547	785 294	15 128	32 406	553 483	3 927 278	6 220 648	10 126 977	209 531
La Crosse, WI—MN MSA	—	183	61	10 168	315 155	7 173	14 345	184 176	525 298	881 088	1 410 344	50 860
La Crosse, WI—MN MSA (MN Part)	—	23	6	497	10 459	338	693	6 452	28 870	21 356	50 147	3 062
La Crosse, WI—MN MSA (WI Part) .	—	160	55	9 671	304 696	6 835	13 652	177 724	496 428	859 732	1 360 197	47 798
Madison, WI MSA	—	560	183	26 200	855 812	18 505	36 971	500 973	2 257 492	2 303 317	4 583 921	129 186
Milwaukee—Racine, WI CMSA	—	3 547	1 382	184 216	6 775 342	128 951	256 957	4 013 599	19 405 659	17 143 835	36 540 378	1 339 673
Milwaukee—Waukesha, WI PMSA ..	—	3 168	1 241	165 650	6 121 959	115 721	231 366	3 626 320	16 189 042	15 171 696	31 348 131	1 147 105
Racine, WI PMSA	—	379	141	18 566	653 383	13 230	25 591	387 279	3 216 617	1 972 139	5 192 247	192 568
Minneapolis—St. Paul, MN—WI MSA ..	—	5 327	1 817	232 048	8 713 399	147 763	296 929	4 493 367	22 908 126	21 442 082	44 382 001	2 007 807
Minneapolis—St. Paul, MN—WI MSA (MN Part)	—	5 137	1 754	225 239	8 514 358	142 661	287 273	4 370 086	22 415 942	20 892 684	43 338 324	1 962 526
Minneapolis—St. Paul, MN—WI MSA (WI Part)	—	190	63	6 809	199 041	5 102	9 656	123 281	492 184	549 398	1 043 677	45 281
Sheboygan, WI MSA	1	238	116	19 720	619 217	14 359	27 625	377 534	2 015 454	2 189 457	4 219 519	145 057
Wausau, WI MSA	—	232	98	16 839	502 563	13 422	26 519	354 835	1 295 266	1 896 838	3 181 899	127 978
Wyoming	1	503	90	8 448	256 382	6 426	12 209	174 810	1 030 583	1 910 250	2 955 070	76 990
Casper, WY MSA	—	91	16	1 440	40 730	1 165	2 193	28 693	92 173	237 359	328 274	4 920
Cheyenne, WY MSA	—	48	17	1 349	45 224	985	1 861	28 399	173 805	429 223	606 289	15 817

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

²Industries with 250 employees or more are shown. Some statistics are withheld to avoid disclosing data for individual companies. If employment is 250 or more, number of establishments is shown and employment-size range is indicated by one of the following symbols: c—100 to 249 employees; e—250 to 499 employees; f—500 to 999 employees; g—1,000 to 2,499 employees; h—2,500 to 4,999 employees; i—5,000 to 9,999 employees; j—10,000 to 24,999 employees; k—25,000 to 49,999 employees; l—50,000 to 99,999 employees; m—100,000 employees or more.

Table 2-3. Detailed Statistics for States: 1997

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Value	Item	Value
UNITED STATES		ALABAMA—Con.	
Companies ¹	number.. 316 952	Total depreciation during year	\$1,000.. 2 159 176
All establishments	number.. 362 829	Total rental payments	\$1,000.. 519 544
Establishments with 1 to 19 employees	number.. 243 081	Buildings and other structures rental payments	\$1,000.. 285 974
Establishments with 20 to 99 employees	number.. 84 826	Machinery and equipment rental payments	\$1,000.. 233 570
Establishments with 100 employees or more	number.. 34 922		
All employees	number.. 16 805 127	ALASKA	
Total compensation	\$1,000.. 716 594 764	Companies ¹	number.. 442
Annual payroll	\$1,000.. 569 808 845	All establishments	number.. 486
Total fringe benefits	\$1,000.. 146 785 919	Establishments with 1 to 19 employees	number.. 385
Production workers, average for year	number.. 12 065 257	Establishments with 20 to 99 employees	number.. 72
Production workers on March 12	number.. 11 967 377	Establishments with 100 employees or more	number.. 29
Production workers on May 12	number.. 12 034 012	All employees	number.. 10 722
Production workers on August 12	number.. 12 133 773	Total compensation	\$1,000.. 399 084
Production workers on November 12	number.. 12 125 866	Annual payroll	\$1,000.. 329 324
Production-worker hours	1,000.. 24 183 271	Total fringe benefits	\$1,000.. 69 760
Production-worker wages	\$1,000.. 338 267 197	Production workers, average for year	number.. 8 669
Total cost of materials	\$1,000.. 2 015 424 556	Production workers on March 12	number.. 9 483
Cost of materials, parts, containers, etc., consumed	\$1,000.. 1 782 463 976	Production workers on May 12	number.. 8 135
Cost of resales	\$1,000.. 113 751 236	Production workers on August 12	number.. 11 094
Cost of fuels	\$1,000.. 26 214 645	Production workers on November 12	number.. 5 964
Cost of purchased electricity	\$1,000.. 38 695 146	Production-worker hours	1,000.. 18 942
Cost of contract work	\$1,000.. 54 299 553	Production-worker wages	\$1,000.. 236 311
Quantity of electricity purchased for heat and power	1,000 kWh.. 827 353 664	Total cost of materials	\$1,000.. 2 104 778
Quantity of electricity generated less sold for heat and power	1,000 kWh.. 92 643 862	Cost of materials, parts, containers, etc., consumed	\$1,000.. 1 664 078
Total value of shipments	\$1,000.. 3 834 700 920	Cost of resales	\$1,000.. 297 238
Value added	\$1,000.. 1 825 688 027	Cost of fuels	\$1,000.. 98 735
Total inventories, beginning of year	\$1,000.. 419 977 777	Cost of purchased electricity	\$1,000.. 27 024
Finished goods inventories, beginning of year	\$1,000.. 142 400 832	Cost of contract work	\$1,000.. 17 703
Work-in-process inventories, beginning of year	\$1,000.. 132 553 508	Quantity of electricity purchased for heat and power	1,000 kWh.. 376 175
Materials and supplies inventories, beginning of year	\$1,000.. 145 023 437	Quantity of electricity generated less sold for heat and power	1,000 kWh.. 206 119
Total inventories, end of year	\$1,000.. 433 448 730	Total value of shipments	\$1,000.. 3 283 362
Finished goods inventories, end of year	\$1,000.. 147 646 704	Value added	\$1,000.. 1 153 433
Work-in-process inventories, end of year	\$1,000.. 133 710 385	Total inventories, beginning of year	\$1,000.. 315 140
Materials and supplies inventories, end of year	\$1,000.. 152 091 641	Finished goods inventories, beginning of year	\$1,000.. 188 935
Gross book value of total assets at beginning of year	\$1,000.. 1 446 452 439	Work-in-process inventories, beginning of year	\$1,000.. 41 031
Total capital expenditures (new and used)	\$1,000.. 151 510 757	Materials and supplies inventories, beginning of year	\$1,000.. 85 174
Capital expenditures for buildings and other structures (new and used)	\$1,000.. 23 424 681	Total inventories, end of year	\$1,000.. 315 767
Capital expenditures for machinery and equipment (new and used)	\$1,000.. 128 086 076	Finished goods inventories, end of year	\$1,000.. 191 732
Total retirements	\$1,000.. 46 658 714	Work-in-process inventories, end of year	\$1,000.. 26 069
Gross book value of total assets at end of year	\$1,000.. 1 551 319 045	Materials and supplies inventories, end of year	\$1,000.. 97 966
Total depreciation during year	\$1,000.. 100 256 983	Gross book value of total assets at beginning of year	\$1,000.. 2 022 371
Total rental payments	\$1,000.. 29 250 951	Total capital expenditures (new and used)	\$1,000.. 129 586
Buildings and other structures rental payments	\$1,000.. 13 651 200	Capital expenditures for buildings and other structures (new and used)	\$1,000.. 12 576
Machinery and equipment rental payments	\$1,000.. 15 599 573	Capital expenditures for machinery and equipment (new and used)	\$1,000.. 117 010
		Total retirements	\$1,000.. 39 464
		Gross book value of total assets at end of year	\$1,000.. 2 112 493
ALABAMA		Total depreciation during year	\$1,000.. 96 584
Companies ¹	number.. 4 906	Total rental payments	\$1,000.. 30 472
All establishments	number.. 5 431	Buildings and other structures rental payments	\$1,000.. 13 760
Establishments with 1 to 19 employees	number.. 3 351	Machinery and equipment rental payments	\$1,000.. 16 712
Establishments with 20 to 99 employees	number.. 1 311		
Establishments with 100 employees or more	number.. 769	ARIZONA	
All employees	number.. 351 466	Companies ¹	number.. 4 741
Total compensation	\$1,000.. 12 834 347	All establishments	number.. 4 906
Annual payroll	\$1,000.. 10 170 963	Establishments with 1 to 19 employees	number.. 3 544
Total fringe benefits	\$1,000.. 2 663 384	Establishments with 20 to 99 employees	number.. 1 060
Production workers, average for year	number.. 274 823	Establishments with 100 employees or more	number.. 302
Production workers on March 12	number.. 274 035	All employees	number.. 193 303
Production workers on May 12	number.. 274 783	Total compensation	\$1,000.. 8 433 313
Production workers on August 12	number.. 273 970	Annual payroll	\$1,000.. 6 740 161
Production workers on November 12	number.. 276 504	Total fringe benefits	\$1,000.. 1 693 152
Production-worker hours	1,000.. 544 806	Production workers, average for year	number.. 121 631
Production-worker wages	\$1,000.. 6 922 461	Production workers on March 12	number.. 120 196
Total cost of materials	\$1,000.. 38 687 820	Production workers on May 12	number.. 121 301
Cost of materials, parts, containers, etc., consumed	\$1,000.. 34 809 413	Production workers on August 12	number.. 122 320
Cost of resales	\$1,000.. 1 269 240	Production workers on November 12	number.. 122 707
Cost of fuels	\$1,000.. 806 209	Production-worker hours	1,000.. 245 413
Cost of purchased electricity	\$1,000.. 1 022 679	Production-worker wages	\$1,000.. 2 992 380
Cost of contract work	\$1,000.. 780 279	Total cost of materials	\$1,000.. 15 838 358
Quantity of electricity purchased for heat and power	1,000 kWh.. 26 295 447	Cost of materials, parts, containers, etc., consumed	\$1,000.. 14 056 610
Quantity of electricity generated less sold for heat and power	1,000 kWh.. 5 117 721	Cost of resales	\$1,000.. 747 184
Total value of shipments	\$1,000.. 67 477 260	Cost of fuels	\$1,000.. 130 800
Value added	\$1,000.. 28 762 420	Cost of purchased electricity	\$1,000.. 387 064
Total inventories, beginning of year	\$1,000.. 7 092 610	Cost of contract work	\$1,000.. 516 700
Finished goods inventories, beginning of year	\$1,000.. 2 588 441	Quantity of electricity purchased for heat and power	1,000 kWh.. 6 919 964
Work-in-process inventories, beginning of year	\$1,000.. 2 001 629	Quantity of electricity generated less sold for heat and power	1,000 kWh.. 427 611
Materials and supplies inventories, beginning of year	\$1,000.. 2 502 540	Total value of shipments	\$1,000.. 43 994 086
Total inventories, end of year	\$1,000.. 7 243 708	Value added	\$1,000.. 27 900 974
Finished goods inventories, end of year	\$1,000.. 2 655 042	Total inventories, beginning of year	\$1,000.. 6 641 305
Work-in-process inventories, end of year	\$1,000.. 1 914 070	Finished goods inventories, beginning of year	\$1,000.. 1 125 762
Materials and supplies inventories, end of year	\$1,000.. 2 674 596	Work-in-process inventories, beginning of year	\$1,000.. 3 306 573
Gross book value of total assets at beginning of year	\$1,000.. 34 700 331	Materials and supplies inventories, beginning of year	\$1,000.. 2 208 970
Total capital expenditures (new and used)	\$1,000.. 3 051 253	Total inventories, end of year	\$1,000.. 6 618 188
Capital expenditures for buildings and other structures (new and used)	\$1,000.. 436 684	Finished goods inventories, end of year	\$1,000.. 1 230 298
Capital expenditures for machinery and equipment (new and used)	\$1,000.. 2 614 569	Work-in-process inventories, end of year	\$1,000.. 2 949 349
Total retirements	\$1,000.. 637 591	Materials and supplies inventories, end of year	\$1,000.. 2 438 541
Gross book value of total assets at end of year	\$1,000.. 37 113 993		

MANUFACTURING—SUBJECT SERIES

GENERAL SUMMARY—GEOG. AREA STATISTICS 2-65

Table 2-3. Detailed Statistics for States: 1997—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Value	Item	Value
ARIZONA—Con.		CALIFORNIA—Con.	
Gross book value of total assets at beginning of year	\$1,000.. 15 516 996	Total inventories, beginning of year	\$1,000.. 48 978 127
Total capital expenditures (new and used)	\$1,000.. 2 506 179	Finished goods inventories, beginning of year	\$1,000.. 14 516 802
Capital expenditures for buildings and other structures (new and used)	\$1,000.. 326 432	Work-in-process inventories, beginning of year	\$1,000.. 18 828 020
Capital expenditures for machinery and equipment (new and used)	\$1,000.. 2 179 747	Materials and supplies inventories, beginning of year	\$1,000.. 15 633 305
Total retirements	\$1,000.. 592 019	Total inventories, end of year	\$1,000.. 51 100 956
Gross book value of total assets at end of year	\$1,000.. 17 431 156	Finished goods inventories, end of year	\$1,000.. 15 607 939
Total depreciation during year	\$1,000.. 1 488 352	Work-in-process inventories, end of year	\$1,000.. 18 970 118
Total rental payments	\$1,000.. 331 714	Materials and supplies inventories, end of year	\$1,000.. 16 522 899
Buildings and other structures rental payments	\$1,000.. 165 976	Gross book value of total assets at beginning of year	\$1,000.. 122 442 210
Machinery and equipment rental payments	\$1,000.. 165 738	Total capital expenditures (new and used)	\$1,000.. 16 362 409
ARKANSAS		Capital expenditures for buildings and other structures (new and used)	\$1,000.. 3 076 092
Companies ¹	number.. 2 960	Capital expenditures for machinery and equipment (new and used)	\$1,000.. 13 286 317
All establishments	number.. 3 302	Total retirements	\$1,000.. 5 209 738
Establishments with 1 to 19 employees	number.. 2 065	Gross book value of total assets at end of year	\$1,000.. 133 594 881
Establishments with 20 to 99 employees	number.. 717	Total depreciation during year	\$1,000.. 9 930 496
Establishments with 100 employees or more	number.. 520	Total rental payments	\$1,000.. 4 733 396
All employees	number.. 229 093	Buildings and other structures rental payments	\$1,000.. 2 644 272
Total compensation	\$1,000.. 7 277 498	Machinery and equipment rental payments	\$1,000.. 2 089 124
Annual payroll	\$1,000.. 5 756 536	COLORADO	
Total fringe benefits	\$1,000.. 1 520 962	Companies ¹	number.. 5 290
Production workers, average for year	number.. 186 668	All establishments	number.. 5 466
Production workers on March 12	number.. 186 243	Establishments with 1 to 19 employees	number.. 4 214
Production workers on May 12	number.. 187 098	Establishments with 20 to 99 employees	number.. 965
Production workers on August 12	number.. 187 019	Establishments with 100 employees or more	number.. 287
Production workers on November 12	number.. 186 312	All employees	number.. 172 307
Production-worker hours	1,000.. 367 624	Total compensation	\$1,000.. 7 658 861
Production-worker wages	\$1,000.. 4 178 912	Annual payroll	\$1,000.. 6 170 883
Total cost of materials	\$1,000.. 25 868 119	Total fringe benefits	\$1,000.. 1 487 978
Cost of materials, parts, containers, etc., consumed	\$1,000.. 22 965 800	Production workers, average for year	number.. 114 457
Cost of resales	\$1,000.. 1 657 575	Production workers on March 12	number.. 112 968
Cost of fuels	\$1,000.. 369 477	Production workers on May 12	number.. 114 114
Cost of purchased electricity	\$1,000.. 564 123	Production workers on August 12	number.. 115 608
Cost of contract work	\$1,000.. 311 144	Production workers on November 12	number.. 115 138
Quantity of electricity purchased for heat and power	1,000 kWh.. 13 424 795	Production-worker hours	1,000.. 224 728
Quantity of electricity generated less sold for heat and power	1,000 kWh.. 2 432 384	Production-worker wages	\$1,000.. 3 156 218
Total value of shipments	\$1,000.. 45 223 211	Total cost of materials	\$1,000.. 19 311 738
Value added	\$1,000.. 19 392 561	Cost of materials, parts, containers, etc., consumed	\$1,000.. 16 034 302
Total inventories, beginning of year	\$1,000.. 4 798 449	Cost of resales	\$1,000.. 1 072 184
Finished goods inventories, beginning of year	\$1,000.. 2 024 852	Cost of fuels	\$1,000.. 130 023
Work-in-process inventories, beginning of year	\$1,000.. 820 461	Cost of purchased electricity	\$1,000.. 248 648
Materials and supplies inventories, beginning of year	\$1,000.. 1 953 136	Cost of contract work	\$1,000.. 1 826 581
Total inventories, end of year	\$1,000.. 4 997 821	Quantity of electricity purchased for heat and power	1,000 kWh.. 5 658 168
Finished goods inventories, end of year	\$1,000.. 2 091 497	Quantity of electricity generated less sold for heat and power	1,000 kWh.. S
Work-in-process inventories, end of year	\$1,000.. 807 803	Total value of shipments	\$1,000.. 39 812 716
Materials and supplies inventories, end of year	\$1,000.. 2 098 521	Value added	\$1,000.. 20 609 367
Gross book value of total assets at beginning of year	\$1,000.. 17 709 851	Total inventories, beginning of year	\$1,000.. 4 083 991
Total capital expenditures (new and used)	\$1,000.. 1 557 573	Finished goods inventories, beginning of year	\$1,000.. 1 171 401
Capital expenditures for buildings and other structures (new and used)	\$1,000.. 191 625	Work-in-process inventories, beginning of year	\$1,000.. 1 329 126
Capital expenditures for machinery and equipment (new and used)	\$1,000.. 1 365 948	Materials and supplies inventories, beginning of year	\$1,000.. 1 583 464
Total retirements	\$1,000.. 373 426	Total inventories, end of year	\$1,000.. 4 262 521
Gross book value of total assets at end of year	\$1,000.. 18 893 998	Finished goods inventories, end of year	\$1,000.. 1 163 942
Total depreciation during year	\$1,000.. 1 140 682	Work-in-process inventories, end of year	\$1,000.. 1 446 948
Total rental payments	\$1,000.. 219 953	Materials and supplies inventories, end of year	\$1,000.. 1 651 631
Buildings and other structures rental payments	\$1,000.. 81 440	Gross book value of total assets at beginning of year	\$1,000.. 12 604 413
Machinery and equipment rental payments	\$1,000.. 138 513	Total capital expenditures (new and used)	\$1,000.. 1 698 936
CALIFORNIA		Capital expenditures for buildings and other structures (new and used)	\$1,000.. 354 382
Companies ¹	number.. 46 584	Capital expenditures for machinery and equipment (new and used)	\$1,000.. 1 344 554
All establishments	number.. 49 291	Total retirements	\$1,000.. 508 806
Establishments with 1 to 19 employees	number.. 34 124	Gross book value of total assets at end of year	\$1,000.. 13 794 543
Establishments with 20 to 99 employees	number.. 11 607	Total depreciation during year	\$1,000.. 1 087 895
Establishments with 100 employees or more	number.. 3 560	Total rental payments	\$1,000.. 415 577
All employees	number.. 1 795 000	Buildings and other structures rental payments	\$1,000.. 168 353
Total compensation	\$1,000.. 80 503 521	Machinery and equipment rental payments	\$1,000.. 247 224
Annual payroll	\$1,000.. 65 346 827	CONNECTICUT	
Total fringe benefits	\$1,000.. 15 156 694	Companies ¹	number.. 5 564
Production workers, average for year	number.. 1 173 062	All establishments	number.. 5 829
Production workers on March 12	number.. 1 153 289	Establishments with 1 to 19 employees	number.. 3 915
Production workers on May 12	number.. 1 164 374	Establishments with 20 to 99 employees	number.. 1 421
Production workers on August 12	number.. 1 197 658	Establishments with 100 employees or more	number.. 493
Production workers on November 12	number.. 1 176 927	All employees	number.. 250 848
Production-worker hours	1,000.. 2 296 334	Total compensation	\$1,000.. 12 982 575
Production-worker wages	\$1,000.. 30 927 960	Annual payroll	\$1,000.. 10 401 916
Total cost of materials	\$1,000.. 183 934 654	Total fringe benefits	\$1,000.. 2 580 659
Cost of materials, parts, containers, etc., consumed	\$1,000.. 158 180 340	Production workers, average for year	number.. 152 009
Cost of resales	\$1,000.. 12 175 192	Production workers on March 12	number.. 153 148
Cost of fuels	\$1,000.. 1 488 824	Production workers on May 12	number.. 151 796
Cost of purchased electricity	\$1,000.. 3 429 538	Production workers on August 12	number.. 151 583
Cost of contract work	\$1,000.. 8 660 760	Production workers on November 12	number.. 151 509
Quantity of electricity purchased for heat and power	1,000 kWh.. 44 222 286	Production-worker hours	1,000.. 315 068
Quantity of electricity generated less sold for heat and power	1,000 kWh.. 2 322 885	Production-worker wages	\$1,000.. 4 877 952
Total value of shipments	\$1,000.. 378 729 557		
Value added	\$1,000.. 196 182 882		

Table 2-3. Detailed Statistics for States: 1997—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Value	Item	Value
CONNECTICUT—Con.		DISTRICT OF COLUMBIA—Con.	
Total cost of materials	\$1,000..	19 789 500	
Cost of materials, parts, containers, etc., consumed	\$1,000..	16 320 712	
Cost of resales	\$1,000..	1 926 238	
Cost of fuels	\$1,000..	193 398	
Cost of purchased electricity	\$1,000..	430 991	
Cost of contract work	\$1,000..	918 161	
Quantity of electricity purchased for heat and power	1,000 kWh..	5 575 646	
Quantity of electricity generated less sold for heat and power	1,000 kWh..	S	
Total value of shipments	\$1,000..	46 864 998	
Value added	\$1,000..	27 298 479	
Total inventories, beginning of year	\$1,000..	6 637 733	
Finished goods inventories, beginning of year	\$1,000..	2 313 647	
Work-in-process inventories, beginning of year	\$1,000..	2 428 497	
Materials and supplies inventories, beginning of year	\$1,000..	1 895 589	
Total inventories, end of year	\$1,000..	6 996 369	
Finished goods inventories, end of year	\$1,000..	2 726 339	
Work-in-process inventories, end of year	\$1,000..	2 242 617	
Materials and supplies inventories, end of year	\$1,000..	2 027 413	
Gross book value of total assets at beginning of year	\$1,000..	18 793 045	
Total capital expenditures (new and used)	\$1,000..	1 861 915	
Capital expenditures for buildings and other structures (new and used)	\$1,000..	383 911	
Capital expenditures for machinery and equipment (new and used)	\$1,000..	1 478 004	
Total retirements	\$1,000..	630 112	
Gross book value of total assets at end of year	\$1,000..	20 024 848	
Total depreciation during year	\$1,000..	1 275 038	
Total rental payments	\$1,000..	482 992	
Buildings and other structures rental payments	\$1,000..	251 794	
Machinery and equipment rental payments	\$1,000..	231 198	
DELAWARE			
Companies ¹	number..	630	
All establishments	number..	671	
Establishments with 1 to 19 employees	number..	443	
Establishments with 20 to 99 employees	number..	153	
Establishments with 100 employees or more	number..	75	
All employees	number..	39 954	
Total compensation	\$1,000..	1 943 239	
Annual payroll	\$1,000..	1 489 381	
Total fringe benefits	\$1,000..	453 858	
Production workers, average for year	number..	29 041	
Production workers on March 12	number..	28 379	
Production workers on May 12	number..	28 218	
Production workers on August 12	number..	28 898	
Production workers on November 12	number..	30 669	
Production-worker hours	1,000..	59 829	
Production-worker wages	\$1,000..	918 390	
Total cost of materials	\$1,000..	8 072 414	
Cost of materials, parts, containers, etc., consumed	\$1,000..	6 506 816	
Cost of resales	\$1,000..	1 147 964	
Cost of fuels	\$1,000..	80 680	
Cost of purchased electricity	\$1,000..	133 821	
Cost of contract work	\$1,000..	203 133	
Quantity of electricity purchased for heat and power	1,000 kWh..	3 122 959	
Quantity of electricity generated less sold for heat and power	1,000 kWh..	217 004	
Total value of shipments	\$1,000..	13 205 659	
Value added	\$1,000..	5 209 618	
Total inventories, beginning of year	\$1,000..	1 259 003	
Finished goods inventories, beginning of year	\$1,000..	556 590	
Work-in-process inventories, beginning of year	\$1,000..	265 697	
Materials and supplies inventories, beginning of year	\$1,000..	436 716	
Total inventories, end of year	\$1,000..	1 350 871	
Finished goods inventories, end of year	\$1,000..	581 368	
Work-in-process inventories, end of year	\$1,000..	327 568	
Materials and supplies inventories, end of year	\$1,000..	441 935	
Gross book value of total assets at beginning of year	\$1,000..	4 932 130	
Total capital expenditures (new and used)	\$1,000..	508 385	
Capital expenditures for buildings and other structures (new and used)	\$1,000..	79 022	
Capital expenditures for machinery and equipment (new and used)	\$1,000..	429 363	
Total retirements	\$1,000..	71 867	
Gross book value of total assets at end of year	\$1,000..	5 368 648	
Total depreciation during year	\$1,000..	304 717	
Total rental payments	\$1,000..	48 814	
Buildings and other structures rental payments	\$1,000..	18 593	
Machinery and equipment rental payments	\$1,000..	30 221	
DISTRICT OF COLUMBIA			
Companies ¹	number..	190	
All establishments	number..	199	
Establishments with 1 to 19 employees	number..	164	
Establishments with 20 to 99 employees	number..	31	
Establishments with 100 employees or more	number..	4	
All employees	number..	2 847	
Total compensation	\$1,000..	119 979	
Annual payroll	\$1,000..	100 865	
Total fringe benefits	\$1,000..	19 114	
Production workers, average for year	number..	1 916	
Production workers on March 12	number..	2 022	
Production workers on May 12	number..	1 863	
Production workers on August 12	number..	1 883	
Production workers on November 12	number..	1 896	
Production-worker hours	1,000..	3 714	
Production-worker wages	\$1,000..	60 680	
Total cost of materials	\$1,000..	149 165	
Cost of materials, parts, containers, etc., consumed	\$1,000..	124 350	
Cost of resales	\$1,000..	9 329	
Cost of fuels	\$1,000..	1 537	
Cost of purchased electricity	\$1,000..	2 909	
Cost of contract work	\$1,000..	11 040	
Quantity of electricity purchased for heat and power	1,000 kWh..	40 860	
Quantity of electricity generated less sold for heat and power	1,000 kWh..	—	
Total value of shipments	\$1,000..	319 884	
Value added	\$1,000..	170 633	
Total inventories, beginning of year	\$1,000..	26 609	
Finished goods inventories, beginning of year	\$1,000..	3 655	
Work-in-process inventories, beginning of year	\$1,000..	7 570	
Materials and supplies inventories, beginning of year	\$1,000..	15 384	
Total inventories, end of year	\$1,000..	23 229	
Finished goods inventories, end of year	\$1,000..	4 321	
Work-in-process inventories, end of year	\$1,000..	6 871	
Materials and supplies inventories, end of year	\$1,000..	12 037	
Gross book value of total assets at beginning of year	\$1,000..	133 353	
Total capital expenditures (new and used)	\$1,000..	9 832	
Capital expenditures for buildings and other structures (new and used)	\$1,000..	869	
Capital expenditures for machinery and equipment (new and used)	\$1,000..	8 963	
Total retirements	\$1,000..	3 236	
Gross book value of total assets at end of year	\$1,000..	139 949	
Total depreciation during year	\$1,000..	9 293	
Total rental payments	\$1,000..	7 243	
Buildings and other structures rental payments	\$1,000..	3 517	
Machinery and equipment rental payments	\$1,000..	3 726	
FLORIDA			
Companies ¹	number..	15 158	
All establishments	number..	15 951	
Establishments with 1 to 19 employees	number..	12 358	
Establishments with 20 to 99 employees	number..	2 754	
Establishments with 100 employees or more	number..	839	
All employees	number..	427 566	
Total compensation	\$1,000..	16 135 128	
Annual payroll	\$1,000..	12 973 069	
Total fringe benefits	\$1,000..	3 162 059	
Production workers, average for year	number..	288 139	
Production workers on March 12	number..	286 971	
Production workers on May 12	number..	288 225	
Production workers on August 12	number..	287 817	
Production workers on November 12	number..	289 543	
Production-worker hours	1,000..	555 402	
Production-worker wages	\$1,000..	6 721 651	
Total cost of materials	\$1,000..	37 289 528	
Cost of materials, parts, containers, etc., consumed	\$1,000..	32 700 291	
Cost of resales	\$1,000..	2 047 894	
Cost of fuels	\$1,000..	482 636	
Cost of purchased electricity	\$1,000..	700 410	
Cost of contract work	\$1,000..	1 358 297	
Quantity of electricity purchased for heat and power	1,000 kWh..	12 178 554	
Quantity of electricity generated less sold for heat and power	1,000 kWh..	5 608 910	
Total value of shipments	\$1,000..	76 706 327	
Value added	\$1,000..	39 767 726	
Total inventories, beginning of year	\$1,000..	8 925 442	
Finished goods inventories, beginning of year	\$1,000..	3 184 107	
Work-in-process inventories, beginning of year	\$1,000..	2 585 843	
Materials and supplies inventories, beginning of year	\$1,000..	3 155 492	
Total inventories, end of year	\$1,000..	9 516 963	
Finished goods inventories, end of year	\$1,000..	3 339 219	
Work-in-process inventories, end of year	\$1,000..	2 750 967	
Materials and supplies inventories, end of year	\$1,000..	3 426 777	
Gross book value of total assets at beginning of year	\$1,000..	27 930 284	
Total capital expenditures (new and used)	\$1,000..	2 927 882	
Capital expenditures for buildings and other structures (new and used)	\$1,000..	471 884	
Capital expenditures for machinery and equipment (new and used)	\$1,000..	2 455 998	
Total retirements	\$1,000..	857 619	
Gross book value of total assets at end of year	\$1,000..	30 000 547	
Total depreciation during year	\$1,000..	2 064 524	
Total rental payments	\$1,000..	800 962	
Buildings and other structures rental payments	\$1,000..	338 371	
Machinery and equipment rental payments	\$1,000..	462 591	

MANUFACTURING—SUBJECT SERIES

U.S. Census Bureau, 1997 Economic Census Apr. 29, 2002

GENERAL SUMMARY—GEOG. AREA STATISTICS 2-67

Table 2-3. Detailed Statistics for States: 1997—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Value	Item	Value
GEORGIA		HAWAII—Con.	
Companies ¹	number.. 8 074	Total depreciation during year	\$1,000.. 68 277
All establishments	number.. 9 053	Total rental payments	\$1,000.. 38 344
Establishments with 1 to 19 employees	number.. 5 776	Buildings and other structures rental payments	\$1,000.. 23 011
Establishments with 20 to 99 employees	number.. 2 092	Machinery and equipment rental payments	\$1,000.. 15 333
Establishments with 100 employees or more	number.. 1 185		
All employees	number.. 531 450	IDAHO	
Total compensation	19 312 674	Companies ¹	number.. 1 559
Annual payroll	15 473 204	All establishments	number.. 1 643
Total fringe benefits	3 839 470	Establishments with 1 to 19 employees	number.. 1 226
Production workers, average for year	number.. 408 569	Establishments with 20 to 99 employees	number.. 291
Production workers on March 12	number.. 406 014	Establishments with 100 employees or more	number.. 126
Production workers on May 12	number.. 407 539	All employees	number.. 65 997
Production workers on August 12	number.. 409 928	Total compensation	\$1,000.. 2 575 625
Production workers on November 12	number.. 410 795	Annual payroll	\$1,000.. 2 094 462
Production-worker hours	1,000.. 826 574	Total fringe benefits	\$1,000.. 481 163
Production-worker wages	\$1,000.. 10 126 167	Production workers, average for year	number.. 50 198
Total cost of materials	\$1,000.. 69 050 254	Production workers on March 12	number.. 50 376
Cost of materials, parts, containers, etc., consumed	\$1,000.. 62 958 096	Production workers on May 12	number.. 49 431
Cost of resales	\$1,000.. 2 935 188	Production workers on August 12	number.. 50 344
Cost of fuels	\$1,000.. 797 455	Production workers on November 12	number.. 50 641
Cost of purchased electricity	\$1,000.. 1 179 998	Production-worker hours	1,000.. 89 069
Cost of contract work	\$1,000.. 1 179 517	Production-worker wages	\$1,000.. 1 272 880
Quantity of electricity purchased for heat and power	1,000 kWh.. 26 020 838	Total cost of materials	\$1,000.. 10 620 606
Quantity of electricity generated less sold for heat and power	1,000 kWh.. 4 871 421	Cost of materials, parts, containers, etc., consumed	\$1,000.. 8 161 660
Total value of shipments	\$1,000.. 124 003 137	Cost of resales	\$1,000.. 1 968 494
Value added	\$1,000.. 55 426 485	Cost of fuels	\$1,000.. 97 092
Total inventories, beginning of year	\$1,000.. 13 081 433	Cost of purchased electricity	\$1,000.. 185 052
Finished goods inventories, beginning of year	\$1,000.. 4 390 154	Cost of contract work	\$1,000.. 208 308
Work-in-process inventories, beginning of year	\$1,000.. 3 326 735	Quantity of electricity purchased for heat and power	1,000 kWh.. 6 935 487
Materials and supplies inventories, beginning of year	\$1,000.. 5 364 544	Quantity of electricity generated less sold for heat and power	1,000 kWh.. D
Total inventories, end of year	\$1,000.. 13 588 066	Total value of shipments	\$1,000.. 16 900 224
Finished goods inventories, end of year	\$1,000.. 4 698 074	Value added	\$1,000.. 6 383 900
Work-in-process inventories, end of year	\$1,000.. 3 465 131	Total inventories, beginning of year	\$1,000.. 1 881 210
Materials and supplies inventories, end of year	\$1,000.. 5 424 861	Finished goods inventories, beginning of year	\$1,000.. 619 202
Gross book value of total assets at beginning of year	\$1,000.. 45 499 256	Work-in-process inventories, beginning of year	\$1,000.. 506 366
Total capital expenditures (new and used)	\$1,000.. 4 153 507	Materials and supplies inventories, beginning of year	\$1,000.. 755 642
Capital expenditures for buildings and other structures (new and used)	\$1,000.. 622 682	Total inventories, end of year	\$1,000.. 2 028 293
Capital expenditures for machinery and equipment (new and used)	\$1,000.. 3 530 825	Finished goods inventories, end of year	\$1,000.. 674 578
Total retirements	\$1,000.. 1 134 393	Work-in-process inventories, end of year	\$1,000.. 557 027
Gross book value of total assets at end of year	\$1,000.. 48 518 370	Materials and supplies inventories, end of year	\$1,000.. 796 688
Total depreciation during year	\$1,000.. 3 029 885	Gross book value of total assets at beginning of year	\$1,000.. 5 384 473
Total rental payments	\$1,000.. 679 123	Total capital expenditures (new and used)	\$1,000.. 1 393 009
Buildings and other structures rental payments	\$1,000.. 317 039	Capital expenditures for buildings and other structures (new and used)	\$1,000.. 253 087
Machinery and equipment rental payments	\$1,000.. 362 084	Capital expenditures for machinery and equipment (new and used)	\$1,000.. 1 139 922
		Total retirements	\$1,000.. 185 903
		Gross book value of total assets at end of year	\$1,000.. 6 591 579
HAWAII		Total depreciation during year	\$1,000.. 375 993
Companies ¹	number.. 893	Total rental payments	\$1,000.. 75 908
All establishments	number.. 919	Buildings and other structures rental payments	\$1,000.. 31 581
Establishments with 1 to 19 employees	number.. 760	Machinery and equipment rental payments	\$1,000.. 44 327
Establishments with 20 to 99 employees	number.. 130		
Establishments with 100 employees or more	number.. 29	ILLINOIS	
All employees	number.. 15 093	Companies ¹	number.. 16 612
Total compensation	\$1,000.. 502 924	All establishments	number.. 17 912
Annual payroll	\$1,000.. 404 629	Establishments with 1 to 19 employees	number.. 11 374
Total fringe benefits	\$1,000.. 98 295	Establishments with 20 to 99 employees	number.. 4 599
Production workers, average for year	number.. 9 891	Establishments with 100 employees or more	number.. 1 939
Production workers on March 12	number.. 9 825	All employees	number.. 883 358
Production workers on May 12	number.. 9 761	Total compensation	\$1,000.. 39 812 706
Production workers on August 12	number.. 10 183	Annual payroll	\$1,000.. 31 686 026
Production workers on November 12	number.. 9 795	Total fringe benefits	\$1,000.. 8 126 680
Production-worker hours	1,000.. 18 343	Production workers, average for year	number.. 626 460
Production-worker wages	\$1,000.. 231 349	Production workers on March 12	number.. 622 625
Total cost of materials	\$1,000.. 1 939 948	Production workers on May 12	number.. 626 098
Cost of materials, parts, containers, etc., consumed	\$1,000.. 1 672 570	Production workers on August 12	number.. 628 005
Cost of resales	\$1,000.. 51 904	Production workers on November 12	number.. 629 112
Cost of fuels	\$1,000.. 51 118	Production-worker hours	1,000.. 1 278 831
Cost of purchased electricity	\$1,000.. 23 264	Production-worker wages	\$1,000.. 18 625 974
Cost of contract work	\$1,000.. 41 092	Total cost of materials	\$1,000.. 104 853 848
Quantity of electricity purchased for heat and power	1,000 kWh.. 245 087	Cost of materials, parts, containers, etc., consumed	\$1,000.. 92 580 271
Quantity of electricity generated less sold for heat and power	1,000 kWh.. D	Cost of resales	\$1,000.. 6 797 246
Total value of shipments	\$1,000.. 3 189 892	Cost of fuels	\$1,000.. 1 160 664
Value added	\$1,000.. 1 261 303	Cost of purchased electricity	\$1,000.. 1 919 822
Total inventories, beginning of year	\$1,000.. 335 871	Cost of contract work	\$1,000.. 2 395 845
Finished goods inventories, beginning of year	\$1,000.. 174 591	Quantity of electricity purchased for heat and power	1,000 kWh.. 35 561 792
Work-in-process inventories, beginning of year	\$1,000.. 46 214	Quantity of electricity generated less sold for heat and power	1,000 kWh.. 2 126 983
Materials and supplies inventories, beginning of year	\$1,000.. 115 066	Total value of shipments	\$1,000.. 199 893 976
Total inventories, end of year	\$1,000.. 350 959	Value added	\$1,000.. 95 342 475
Finished goods inventories, end of year	\$1,000.. 187 911	Total inventories, beginning of year	\$1,000.. 21 314 317
Work-in-process inventories, end of year	\$1,000.. 47 984	Finished goods inventories, beginning of year	\$1,000.. 8 037 610
Materials and supplies inventories, end of year	\$1,000.. 115 064	Work-in-process inventories, beginning of year	\$1,000.. 5 403 858
Gross book value of total assets at beginning of year	\$1,000.. 1 221 265	Materials and supplies inventories, beginning of year	\$1,000.. 7 872 849
Total capital expenditures (new and used)	\$1,000.. 100 669	Total inventories, end of year	\$1,000.. 22 212 225
Capital expenditures for buildings and other structures (new and used)	\$1,000.. 38 736	Finished goods inventories, end of year	\$1,000.. 8 474 213
Capital expenditures for machinery and equipment (new and used)	\$1,000.. 61 933	Work-in-process inventories, end of year	\$1,000.. 5 270 596
Total retirements	\$1,000.. 24 439	Materials and supplies inventories, end of year	\$1,000.. 8 467 416
Gross book value of total assets at end of year	\$1,000.. 1 297 495		

Table 2-3. Detailed Statistics for States: 1997—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Value	Item	Value
ILLINOIS—Con.		IOWA—Con.	
Gross book value of total assets at beginning of year	\$1,000..	Total inventories, beginning of year	\$1,000..
Total capital expenditures (new and used)	\$1,000..	Finished goods inventories, beginning of year	\$1,000..
Capital expenditures for buildings and other structures (new and used)	\$1,000..	Work-in-process inventories, beginning of year	\$1,000..
Capital expenditures for machinery and equipment (new and used)	\$1,000..	Materials and supplies inventories, beginning of year	\$1,000..
Total retirements	\$1,000..	Total inventories, end of year	\$1,000..
Gross book value of total assets at end of year	\$1,000..	Finished goods inventories, end of year	\$1,000..
Total depreciation during year	\$1,000..	Work-in-process inventories, end of year	\$1,000..
Total rental payments	\$1,000..	Materials and supplies inventories, end of year	\$1,000..
Buildings and other structures rental payments	\$1,000..	Gross book value of total assets at beginning of year	\$1,000..
Machinery and equipment rental payments	\$1,000..	Total capital expenditures (new and used)	\$1,000..
INDIANA		Capital expenditures for buildings and other structures (new and used)	\$1,000..
Companies ¹	number..	Capital expenditures for machinery and equipment (new and used)	\$1,000..
All establishments	number..	Total retirements	\$1,000..
Establishments with 1 to 19 employees	number..	Gross book value of total assets at end of year	\$1,000..
Establishments with 20 to 99 employees	number..	Total depreciation during year	\$1,000..
Establishments with 100 employees or more	number..	Total rental payments	\$1,000..
All employees	number..	Buildings and other structures rental payments	\$1,000..
Total compensation	\$1,000..	Machinery and equipment rental payments	\$1,000..
Annual payroll	\$1,000..	KANSAS	
Total fringe benefits	\$1,000..	Companies ¹	number..
Production workers, average for year	number..	All establishments	number..
Production workers on March 12	number..	Establishments with 1 to 19 employees	number..
Production workers on May 12	number..	Establishments with 20 to 99 employees	number..
Production workers on August 12	number..	Establishments with 100 employees or more	number..
Production workers on November 12	number..	All employees	number..
Production-worker hours	1,000..	Total compensation	\$1,000..
Production-worker wages	\$1,000..	Annual payroll	\$1,000..
Total cost of materials	\$1,000..	Total fringe benefits	\$1,000..
Cost of materials, parts, containers, etc., consumed	\$1,000..	Production workers, average for year	number..
Cost of resales	\$1,000..	Production workers on March 12	number..
Cost of fuels	\$1,000..	Production workers on May 12	number..
Cost of purchased electricity	\$1,000..	Production workers on August 12	number..
Cost of contract work	\$1,000..	Production workers on November 12	number..
Quantity of electricity purchased for heat and power	1,000 kWh..	Production-worker hours	1,000..
Quantity of electricity generated less sold for heat and power	1,000 kWh..	Production-worker wages	\$1,000..
Total value of shipments	\$1,000..	Total cost of materials	\$1,000..
Value added	\$1,000..	Cost of materials, parts, containers, etc., consumed	\$1,000..
Total inventories, beginning of year	\$1,000..	Cost of resales	\$1,000..
Finished goods inventories, beginning of year	\$1,000..	Cost of fuels	\$1,000..
Work-in-process inventories, beginning of year	\$1,000..	Cost of purchased electricity	\$1,000..
Materials and supplies inventories, beginning of year	\$1,000..	Cost of contract work	\$1,000..
Total inventories, end of year	\$1,000..	Quantity of electricity purchased for heat and power	1,000 kWh..
Finished goods inventories, end of year	\$1,000..	Quantity of electricity generated less sold for heat and power	1,000 kWh..
Work-in-process inventories, end of year	\$1,000..	Total value of shipments	\$1,000..
Materials and supplies inventories, end of year	\$1,000..	Value added	\$1,000..
Gross book value of total assets at beginning of year	\$1,000..	Total inventories, beginning of year	\$1,000..
Total capital expenditures (new and used)	\$1,000..	Finished goods inventories, beginning of year	\$1,000..
Capital expenditures for buildings and other structures (new and used)	\$1,000..	Work-in-process inventories, beginning of year	\$1,000..
Capital expenditures for machinery and equipment (new and used)	\$1,000..	Materials and supplies inventories, beginning of year	\$1,000..
Total retirements	\$1,000..	Total inventories, end of year	\$1,000..
Gross book value of total assets at end of year	\$1,000..	Finished goods inventories, end of year	\$1,000..
Total depreciation during year	\$1,000..	Work-in-process inventories, end of year	\$1,000..
Total rental payments	\$1,000..	Materials and supplies inventories, end of year	\$1,000..
Buildings and other structures rental payments	\$1,000..	Gross book value of total assets at beginning of year	\$1,000..
Machinery and equipment rental payments	\$1,000..	Total capital expenditures (new and used)	\$1,000..
IOWA		Capital expenditures for buildings and other structures (new and used)	\$1,000..
Companies ¹	number..	Capital expenditures for machinery and equipment (new and used)	\$1,000..
All establishments	number..	Total retirements	\$1,000..
Establishments with 1 to 19 employees	number..	Gross book value of total assets at end of year	\$1,000..
Establishments with 20 to 99 employees	number..	Total depreciation during year	\$1,000..
Establishments with 100 employees or more	number..	Total rental payments	\$1,000..
All employees	number..	Buildings and other structures rental payments	\$1,000..
Total compensation	\$1,000..	Machinery and equipment rental payments	\$1,000..
Annual payroll	\$1,000..	KENTUCKY	
Total fringe benefits	\$1,000..	Companies ¹	number..
Production workers, average for year	number..	All establishments	number..
Production workers on March 12	number..	Establishments with 1 to 19 employees	number..
Production workers on May 12	number..	Establishments with 20 to 99 employees	number..
Production workers on August 12	number..	Establishments with 100 employees or more	number..
Production workers on November 12	number..	All employees	number..
Production-worker hours	1,000..	Total compensation	\$1,000..
Production-worker wages	\$1,000..	Annual payroll	\$1,000..
Total cost of materials	\$1,000..	Total fringe benefits	\$1,000..
Cost of materials, parts, containers, etc., consumed	\$1,000..	Production workers, average for year	number..
Cost of resales	\$1,000..	Production workers on March 12	number..
Cost of fuels	\$1,000..	Production workers on May 12	number..
Cost of purchased electricity	\$1,000..	Production workers on August 12	number..
Cost of contract work	\$1,000..	Production workers on November 12	number..
Quantity of electricity purchased for heat and power	1,000 kWh..	Production-worker hours	1,000..
Quantity of electricity generated less sold for heat and power	1,000 kWh..	Production-worker wages	\$1,000..
Total value of shipments	\$1,000..		
Value added	\$1,000..		

Table 2-3. Detailed Statistics for States: 1997—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Value	Item	Value		
KENTUCKY—Con.		MAINE—Con.			
Total cost of materials	\$1,000..	48 696 757	Production workers, average for year	number..	62 022
Cost of materials, parts, containers, etc., consumed	\$1,000..	44 837 924	Production workers on March 12	number..	61 313
Cost of resales	\$1,000..	1 685 002	Production workers on May 12	number..	61 975
Cost of fuels	\$1,000..	466 359	Production workers on August 12	number..	62 969
Cost of purchased electricity	\$1,000..	989 949	Production workers on November 12	number..	61 831
Cost of contract work	\$1,000..	717 523	Production-worker hours	1,000..	120 642
Quantity of electricity purchased for heat and power	1,000 kWh..	35 516 117	Production-worker wages	\$1,000..	1 736 601
Quantity of electricity generated less sold for heat and power	1,000 kWh..	S	Total cost of materials	\$1,000..	7 386 714
Total value of shipments	\$1,000..	87 515 235	Cost of materials, parts, containers, etc., consumed	\$1,000..	5 929 253
Value added	\$1,000..	39 062 786	Cost of resales	\$1,000..	419 409
Total inventories, beginning of year	\$1,000..	7 336 319	Cost of fuels	\$1,000..	272 047
Finished goods inventories, beginning of year	\$1,000..	2 648 219	Cost of purchased electricity	\$1,000..	306 123
Work-in-process inventories, beginning of year	\$1,000..	1 810 690	Cost of contract work	\$1,000..	459 882
Materials and supplies inventories, beginning of year	\$1,000..	2 877 410	Quantity of electricity purchased for heat and power	1,000 kWh..	4 535 832
Total inventories, end of year	\$1,000..	7 836 899	Quantity of electricity generated less sold for heat and power	1,000 kWh..	2 829 663
Finished goods inventories, end of year	\$1,000..	2 788 734	Total value of shipments	\$1,000..	14 066 822
Work-in-process inventories, end of year	\$1,000..	1 905 639	Value added	\$1,000..	6 698 567
Materials and supplies inventories, end of year	\$1,000..	3 142 526	Total inventories, beginning of year	\$1,000..	1 741 171
Gross book value of total assets at beginning of year	\$1,000..	29 570 438	Finished goods inventories, beginning of year	\$1,000..	642 739
Total capital expenditures (new and used)	\$1,000..	3 426 692	Work-in-process inventories, beginning of year	\$1,000..	482 395
Capital expenditures for buildings and other structures (new and used)	\$1,000..	366 920	Materials and supplies inventories, beginning of year	\$1,000..	616 037
Capital expenditures for machinery and equipment (new and used)	\$1,000..	3 059 772	Total inventories, end of year	\$1,000..	1 725 259
Total retirements	\$1,000..	788 265	Finished goods inventories, end of year	\$1,000..	703 881
Gross book value of total assets at end of year	\$1,000..	32 208 865	Work-in-process inventories, end of year	\$1,000..	399 918
Total depreciation during year	\$1,000..	2 124 959	Materials and supplies inventories, end of year	\$1,000..	621 460
Total rental payments	\$1,000..	367 701	Gross book value of total assets at beginning of year	\$1,000..	9 130 417
Buildings and other structures rental payments	\$1,000..	165 856	Total capital expenditures (new and used)	\$1,000..	592 362
Machinery and equipment rental payments	\$1,000..	201 845	Capital expenditures for buildings and other structures (new and used)	\$1,000..	77 746
LOUISIANA		3 059 772	Capital expenditures for machinery and equipment (new and used)	\$1,000..	514 616
Companies ¹	number..	3 259	Total retirements	\$1,000..	302 020
All establishments	number..	3 536	Gross book value of total assets at end of year	\$1,000..	9 420 759
Establishments with 1 to 19 employees	number..	2 372	Total depreciation during year	\$1,000..	498 213
Establishments with 20 to 99 employees	number..	817	Total rental payments	\$1,000..	103 540
Establishments with 100 employees or more	number..	347	Buildings and other structures rental payments	\$1,000..	47 642
All employees	number..	164 938	Machinery and equipment rental payments	\$1,000..	55 898
Total compensation	\$1,000..	7 685 974	MARYLAND		
Annual payroll	\$1,000..	6 025 203	Companies ¹	number..	3 807
Total fringe benefits	\$1,000..	1 660 771	All establishments	number..	3 986
Production workers, average for year	number..	122 970	Establishments with 1 to 19 employees	number..	2 782
Production workers on March 12	number..	122 829	Establishments with 20 to 99 employees	number..	854
Production workers on May 12	number..	122 547	Establishments with 100 employees or more	number..	350
Production workers on August 12	number..	122 938	All employees	number..	163 145
Production workers on November 12	number..	123 566	Total compensation	\$1,000..	7 447 476
Production-worker hours	1,000..	256 824	Annual payroll	\$1,000..	5 810 016
Production-worker wages	\$1,000..	3 949 080	Total fringe benefits	\$1,000..	1 637 460
Total cost of materials	\$1,000..	51 043 098	Production workers, average for year	number..	109 090
Cost of materials, parts, containers, etc., consumed	\$1,000..	46 012 356	Production workers on March 12	number..	107 528
Cost of resales	\$1,000..	949 963	Production workers on May 12	number..	108 909
Cost of fuels	\$1,000..	1 735 054	Production workers on August 12	number..	109 932
Cost of purchased electricity	\$1,000..	1 263 083	Production workers on November 12	number..	109 991
Cost of contract work	\$1,000..	1 082 642	Production-worker hours	1,000..	218 330
Quantity of electricity purchased for heat and power	1,000 kWh..	30 843 148	Production-worker wages	\$1,000..	3 233 951
Quantity of electricity generated less sold for heat and power	1,000 kWh..	15 101 553	Total cost of materials	\$1,000..	17 772 765
Total value of shipments	\$1,000..	78 333 959	Cost of materials, parts, containers, etc., consumed	\$1,000..	15 389 410
Value added	\$1,000..	27 463 050	Cost of resales	\$1,000..	934 680
Total inventories, beginning of year	\$1,000..	6 224 663	Cost of fuels	\$1,000..	444 990
Finished goods inventories, beginning of year	\$1,000..	2 865 908	Cost of purchased electricity	\$1,000..	376 079
Work-in-process inventories, beginning of year	\$1,000..	1 373 187	Cost of contract work	\$1,000..	627 606
Materials and supplies inventories, beginning of year	\$1,000..	1 985 568	Quantity of electricity purchased for heat and power	1,000 kWh..	8 804 137
Total inventories, end of year	\$1,000..	6 476 349	Quantity of electricity generated less sold for heat and power	1,000 kWh..	482 436
Finished goods inventories, end of year	\$1,000..	3 062 551	Total value of shipments	\$1,000..	36 442 590
Work-in-process inventories, end of year	\$1,000..	1 317 681	Value added	\$1,000..	18 705 455
Materials and supplies inventories, end of year	\$1,000..	2 096 117	Total inventories, beginning of year	\$1,000..	3 790 965
Gross book value of total assets at beginning of year	\$1,000..	41 167 792	Finished goods inventories, beginning of year	\$1,000..	1 329 770
Total capital expenditures (new and used)	\$1,000..	3 513 342	Work-in-process inventories, beginning of year	\$1,000..	1 175 566
Capital expenditures for buildings and other structures (new and used)	\$1,000..	256 676	Materials and supplies inventories, beginning of year	\$1,000..	1 285 629
Capital expenditures for machinery and equipment (new and used)	\$1,000..	3 256 666	Total inventories, end of year	\$1,000..	3 967 426
Total retirements	\$1,000..	638 271	Finished goods inventories, end of year	\$1,000..	1 388 928
Gross book value of total assets at end of year	\$1,000..	44 042 863	Work-in-process inventories, end of year	\$1,000..	1 150 512
Total depreciation during year	\$1,000..	2 269 153	Materials and supplies inventories, end of year	\$1,000..	1 427 986
Total rental payments	\$1,000..	320 141	Gross book value of total assets at beginning of year	\$1,000..	12 834 828
Buildings and other structures rental payments	\$1,000..	103 791	Total capital expenditures (new and used)	\$1,000..	1 462 124
Machinery and equipment rental payments	\$1,000..	216 350	Capital expenditures for buildings and other structures (new and used)	\$1,000..	231 758
MAINE			Capital expenditures for machinery and equipment (new and used)	\$1,000..	1 230 366
Companies ¹	number..	1 717	Total retirements	\$1,000..	479 719
All establishments	number..	1 809	Gross book value of total assets at end of year	\$1,000..	13 817 233
Establishments with 1 to 19 employees	number..	1 299	Total depreciation during year	\$1,000..	903 528
Establishments with 20 to 99 employees	number..	349	Total rental payments	\$1,000..	309 583
Establishments with 100 employees or more	number..	161	Buildings and other structures rental payments	\$1,000..	163 254
All employees	number..	81 279	Machinery and equipment rental payments	\$1,000..	146 329
Total compensation	\$1,000..	3 186 541			
Annual payroll	\$1,000..	2 562 912			
Total fringe benefits	\$1,000..	623 629			

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

MANUFACTURING—SUBJECT SERIES

Table 2-3. Detailed Statistics for States: 1997—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Value	Item	Value
MISSISSIPPI—Con.		MONTANA—Con.	
Gross book value of total assets at beginning of year	\$1,000..	Total inventories, beginning of year	\$1,000..
Total capital expenditures (new and used)	\$1,000..	Finished goods inventories, beginning of year	\$1,000..
Capital expenditures for buildings and other structures (new and used)	\$1,000..	Work-in-process inventories, beginning of year	\$1,000..
Capital expenditures for machinery and equipment (new and used)	\$1,000..	Materials and supplies inventories, beginning of year	\$1,000..
Total retirements	\$1,000..	Total inventories, end of year	\$1,000..
Gross book value of total assets at end of year	\$1,000..	Finished goods inventories, end of year	\$1,000..
Total depreciation during year	\$1,000..	Work-in-process inventories, end of year	\$1,000..
Total rental payments	\$1,000..	Materials and supplies inventories, end of year	\$1,000..
Buildings and other structures rental payments	\$1,000..	Gross book value of total assets at beginning of year	\$1,000..
Machinery and equipment rental payments	\$1,000..	Total capital expenditures (new and used)	\$1,000..
MISSOURI		Capital expenditures for buildings and other structures (new and used)	\$1,000..
Companies ¹	number..	Capital expenditures for machinery and equipment (new and used)	\$1,000..
All establishments	number..	Total retirements	\$1,000..
Establishments with 1 to 19 employees	number..	Gross book value of total assets at end of year	\$1,000..
Establishments with 20 to 99 employees	number..	Total depreciation during year	\$1,000..
Establishments with 100 employees or more	number..	Total rental payments	\$1,000..
All employees	number..	Buildings and other structures rental payments	\$1,000..
Total compensation	\$1,000..	Machinery and equipment rental payments	\$1,000..
Annual payroll	\$1,000..	NEBRASKA	
Total fringe benefits	\$1,000..	Companies ¹	number..
Production workers, average for year	number..	All establishments	number..
Production workers on March 12	number..	Establishments with 1 to 19 employees	number..
Production workers on May 12	number..	Establishments with 20 to 99 employees	number..
Production workers on August 12	number..	Establishments with 100 employees or more	number..
Production workers on November 12	number..	All employees	number..
Production-worker hours	1,000..	Total compensation	\$1,000..
Production-worker wages	\$1,000..	Annual payroll	\$1,000..
Total cost of materials	\$1,000..	Total fringe benefits	\$1,000..
Cost of materials, parts, containers, etc., consumed	\$1,000..	Production workers, average for year	number..
Cost of resales	\$1,000..	Production workers on March 12	number..
Cost of fuels	\$1,000..	Production workers on May 12	number..
Cost of purchased electricity	\$1,000..	Production workers on August 12	number..
Cost of contract work	\$1,000..	Production workers on November 12	number..
Quantity of electricity purchased for heat and power	1,000 kWh..	Production-worker hours	1,000..
Quantity of electricity generated less sold for heat and power	1,000 kWh..	Production-worker wages	\$1,000..
Total value of shipments	\$1,000..	Total cost of materials	\$1,000..
Value added	\$1,000..	Cost of materials, parts, containers, etc., consumed	\$1,000..
Total inventories, beginning of year	\$1,000..	Cost of resales	\$1,000..
Finished goods inventories, beginning of year	\$1,000..	Cost of fuels	\$1,000..
Work-in-process inventories, beginning of year	\$1,000..	Cost of purchased electricity	\$1,000..
Materials and supplies inventories, beginning of year	\$1,000..	Cost of contract work	\$1,000..
Total inventories, end of year	\$1,000..	Quantity of electricity purchased for heat and power	1,000 kWh..
Finished goods inventories, end of year	\$1,000..	Quantity of electricity generated less sold for heat and power	1,000 kWh..
Work-in-process inventories, end of year	\$1,000..	Total value of shipments	\$1,000..
Materials and supplies inventories, end of year	\$1,000..	Value added	\$1,000..
Gross book value of total assets at beginning of year	\$1,000..	Total inventories, beginning of year	\$1,000..
Total capital expenditures (new and used)	\$1,000..	Finished goods inventories, beginning of year	\$1,000..
Capital expenditures for buildings and other structures (new and used)	\$1,000..	Work-in-process inventories, beginning of year	\$1,000..
Capital expenditures for machinery and equipment (new and used)	\$1,000..	Materials and supplies inventories, beginning of year	\$1,000..
Total retirements	\$1,000..	Total inventories, end of year	\$1,000..
Gross book value of total assets at end of year	\$1,000..	Finished goods inventories, end of year	\$1,000..
Total depreciation during year	\$1,000..	Work-in-process inventories, end of year	\$1,000..
Total rental payments	\$1,000..	Materials and supplies inventories, end of year	\$1,000..
Buildings and other structures rental payments	\$1,000..	Gross book value of total assets at beginning of year	\$1,000..
Machinery and equipment rental payments	\$1,000..	Total capital expenditures (new and used)	\$1,000..
MONTANA		Capital expenditures for buildings and other structures (new and used)	\$1,000..
Companies ¹	number..	Capital expenditures for machinery and equipment (new and used)	\$1,000..
All establishments	number..	Total retirements	\$1,000..
Establishments with 1 to 19 employees	number..	Gross book value of total assets at end of year	\$1,000..
Establishments with 20 to 99 employees	number..	Total depreciation during year	\$1,000..
Establishments with 100 employees or more	number..	Total rental payments	\$1,000..
All employees	number..	Buildings and other structures rental payments	\$1,000..
Total compensation	\$1,000..	Machinery and equipment rental payments	\$1,000..
Annual payroll	\$1,000..	NEVADA	
Total fringe benefits	\$1,000..	Companies ¹	number..
Production workers, average for year	number..	All establishments	number..
Production workers on March 12	number..	Establishments with 1 to 19 employees	number..
Production workers on May 12	number..	Establishments with 20 to 99 employees	number..
Production workers on August 12	number..	Establishments with 100 employees or more	number..
Production workers on November 12	number..	All employees	number..
Production-worker hours	1,000..	Total compensation	\$1,000..
Production-worker wages	\$1,000..	Annual payroll	\$1,000..
Total cost of materials	\$1,000..	Total fringe benefits	\$1,000..
Cost of materials, parts, containers, etc., consumed	\$1,000..	Production workers, average for year	number..
Cost of resales	\$1,000..	Production workers on March 12	number..
Cost of fuels	\$1,000..	Production workers on May 12	number..
Cost of purchased electricity	\$1,000..	Production workers on August 12	number..
Cost of contract work	\$1,000..	Production workers on November 12	number..
Quantity of electricity purchased for heat and power	1,000 kWh..	Production-worker hours	1,000..
Quantity of electricity generated less sold for heat and power	1,000 kWh..	Production-worker wages	\$1,000..
Total value of shipments	\$1,000..		
Value added	\$1,000..		

Table 2-3. Detailed Statistics for States: 1997—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Value	Item	Value
NEVADA—Con.		NEW JERSEY—Con.	
Total cost of materials	\$1,000..	Production workers, average for year	number.. 274 363
Cost of materials, parts, containers, etc., consumed	\$1,000..	Production workers on March 12	number.. 273 626
Cost of resales	\$1,000..	Production workers on May 12	number.. 274 819
Cost of fuels	\$1,000..	Production workers on August 12	number.. 274 121
Cost of purchased electricity	\$1,000..	Production workers on November 12	number.. 274 886
Cost of contract work	\$1,000..		
Quantity of electricity purchased for heat and power	1,000 kWh..	Production-worker hours	1,000.. 555 738
Quantity of electricity generated less sold for heat and power	1,000 kWh..	Production-worker wages	\$1,000.. 8 112 739
Total value of shipments	\$1,000..		
Value added	\$1,000..	Total cost of materials	\$1,000.. 46 768 915
Total inventories, beginning of year	\$1,000..	Cost of materials, parts, containers, etc., consumed	\$1,000.. 39 316 637
Finished goods inventories, beginning of year	\$1,000..	Cost of resales	\$1,000.. 4 319 685
Work-in-process inventories, beginning of year	\$1,000..	Cost of fuels	\$1,000.. 541 725
Materials and supplies inventories, beginning of year	\$1,000..	Cost of purchased electricity	\$1,000.. 972 673
		Cost of contract work	\$1,000.. 1 618 195
Total inventories, end of year	\$1,000..	Quantity of electricity purchased for heat and power	1,000 kWh.. 12 307 552
Finished goods inventories, end of year	\$1,000..	Quantity of electricity generated less sold for heat and power	1,000 kWh.. 856 674
Work-in-process inventories, end of year	\$1,000..	Total value of shipments	\$1,000.. 96 179 751
Materials and supplies inventories, end of year	\$1,000..	Value added	\$1,000.. 49 432 983
Gross book value of total assets at beginning of year	\$1,000..	Total inventories, beginning of year	\$1,000.. 11 217 486
Total capital expenditures (new and used)	\$1,000..	Finished goods inventories, beginning of year	\$1,000.. 4 610 631
Capital expenditures for buildings and other structures (new and used)	\$1,000..	Work-in-process inventories, beginning of year	\$1,000.. 2 781 448
Capital expenditures for machinery and equipment (new and used)	\$1,000..	Materials and supplies inventories, beginning of year	\$1,000.. 3 825 407
Total retirements	\$1,000..	Total inventories, end of year	\$1,000.. 11 393 843
Gross book value of total assets at end of year	\$1,000..	Finished goods inventories, end of year	\$1,000.. 4 533 176
Total depreciation during year	\$1,000..	Work-in-process inventories, end of year	\$1,000.. 2 885 041
Total rental payments	\$1,000..	Materials and supplies inventories, end of year	\$1,000.. 3 975 626
Buildings and other structures rental payments	\$1,000..	Gross book value of total assets at beginning of year	\$1,000.. 32 702 286
Machinery and equipment rental payments	\$1,000..	Total capital expenditures (new and used)	\$1,000.. 3 096 106
		Capital expenditures for buildings and other structures (new and used)	\$1,000.. 581 372
		Capital expenditures for machinery and equipment (new and used)	\$1,000.. 2 514 734
		Total retirements	\$1,000.. 1 067 015
		Gross book value of total assets at end of year	\$1,000.. 34 731 377
		Total depreciation during year	\$1,000.. 2 174 737
		Total rental payments	\$1,000.. 847 410
		Buildings and other structures rental payments	\$1,000.. 453 952
		Machinery and equipment rental payments	\$1,000.. 393 458
NEW HAMPSHIRE		NEW MEXICO	
Companies ¹	number.. 2 239	Companies ¹	number.. 1 557
All establishments	number.. 2 321	All establishments	number.. 1 588
Establishments with 1 to 19 employees	number.. 1 570	Establishments with 1 to 19 employees	number.. 1 298
Establishments with 20 to 99 employees	number.. 557	Establishments with 20 to 99 employees	number.. 227
Establishments with 100 employees or more	number.. 194	Establishments with 100 employees or more	number.. 63
All employees	number.. 97 928	All employees	number.. 39 539
Total compensation	\$1,000.. 4 124 367	Total compensation	\$1,000.. 1 418 224
Annual payroll	\$1,000.. 3 318 423	Annual payroll	\$1,000.. 1 131 505
Total fringe benefits	\$1,000.. 805 944	Total fringe benefits	\$1,000.. 286 719
Production workers, average for year	number.. 68 228	Production workers, average for year	number.. 29 244
Production workers on March 12	number.. 67 665	Production workers on March 12	number.. 28 464
Production workers on May 12	number.. 67 991	Production workers on May 12	number.. 28 510
Production workers on August 12	number.. 68 413	Production workers on August 12	number.. 30 367
Production workers on November 12	number.. 68 843	Production workers on November 12	number.. 29 635
Production-worker hours	1,000.. 134 236	Production-worker hours	1,000.. 56 972
Production-worker wages	\$1,000.. 1 920 807	Production-worker wages	\$1,000.. 718 570
Total cost of materials	\$1,000.. 8 528 850	Total cost of materials	\$1,000.. 4 675 305
Cost of materials, parts, containers, etc., consumed	\$1,000.. 6 795 005	Cost of materials, parts, containers, etc., consumed	\$1,000.. 4 239 771
Cost of resales	\$1,000.. 1 189 498	Cost of resales	\$1,000.. 146 022
Cost of fuels	\$1,000.. 80 626	Cost of fuels	\$1,000.. 87 662
Cost of purchased electricity	\$1,000.. 189 269	Cost of purchased electricity	\$1,000.. 108 266
Cost of contract work	\$1,000.. 274 452	Cost of contract work	\$1,000.. 93 584
Quantity of electricity purchased for heat and power	1,000 kWh.. 2 155 688	Quantity of electricity purchased for heat and power	1,000 kWh.. 1 975 751
Quantity of electricity generated less sold for heat and power	1,000 kWh.. 282 512	Quantity of electricity generated less sold for heat and power	1,000 kWh.. 122 652
Total value of shipments	\$1,000.. 19 663 103	Total value of shipments	\$1,000.. 18 096 992
Value added	\$1,000.. 11 129 674	Value added	\$1,000.. 13 487 517
Total inventories, beginning of year	\$1,000.. 2 452 670	Total inventories, beginning of year	\$1,000.. 816 707
Finished goods inventories, beginning of year	\$1,000.. 696 562	Finished goods inventories, beginning of year	\$1,000.. 230 515
Work-in-process inventories, beginning of year	\$1,000.. 846 252	Work-in-process inventories, beginning of year	\$1,000.. 318 392
Materials and supplies inventories, beginning of year	\$1,000.. 909 856	Materials and supplies inventories, beginning of year	\$1,000.. 267 800
Total inventories, end of year	\$1,000.. 2 558 976	Total inventories, end of year	\$1,000.. 884 852
Finished goods inventories, end of year	\$1,000.. 756 140	Finished goods inventories, end of year	\$1,000.. 226 623
Work-in-process inventories, end of year	\$1,000.. 779 795	Work-in-process inventories, end of year	\$1,000.. 378 172
Materials and supplies inventories, end of year	\$1,000.. 1 023 041	Materials and supplies inventories, end of year	\$1,000.. 280 057
Gross book value of total assets at beginning of year	\$1,000.. 5 985 811	Gross book value of total assets at beginning of year	\$1,000.. 11 850 880
Total capital expenditures (new and used)	\$1,000.. 700 466	Total capital expenditures (new and used)	\$1,000.. 572 910
Capital expenditures for buildings and other structures (new and used)	\$1,000.. 115 388	Capital expenditures for buildings and other structures (new and used)	\$1,000.. 88 089
Capital expenditures for machinery and equipment (new and used)	\$1,000.. 585 078	Capital expenditures for machinery and equipment (new and used)	\$1,000.. 484 821
Total retirements	\$1,000.. 209 460	Total retirements	\$1,000.. 671 898
Gross book value of total assets at end of year	\$1,000.. 6 476 817	Gross book value of total assets at end of year	\$1,000.. 11 751 892
Total depreciation during year	\$1,000.. 480 816	Total depreciation during year	\$1,000.. 1 035 001
Total rental payments	\$1,000.. 132 473	Total rental payments	\$1,000.. 89 655
Buildings and other structures rental payments	\$1,000.. 69 310	Buildings and other structures rental payments	\$1,000.. 40 808
Machinery and equipment rental payments	\$1,000.. 63 163	Machinery and equipment rental payments	\$1,000.. 48 847
NEW JERSEY			
Companies ¹	number.. 11 303		
All establishments	number.. 11 788		
Establishments with 1 to 19 employees	number.. 7 979		
Establishments with 20 to 99 employees	number.. 2 930		
Establishments with 100 employees or more	number.. 879		
All employees	number.. 407 272		
Total compensation	\$1,000.. 19 075 917		
Annual payroll	\$1,000.. 15 314 686		
Total fringe benefits	\$1,000.. 3 761 231		

Table 2-3. Detailed Statistics for States: 1997—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Value	Item	Value
NEW YORK		NORTH CAROLINA—Con.	
Companies ¹	23 111	Total depreciation during year	\$1,000 .. 3 612 824
All establishments	23 862	Total rental payments	\$1,000 .. 880 840
Establishments with 1 to 19 employees	17 209	Buildings and other structures rental payments	\$1,000 .. 366 402
Establishments with 20 to 99 employees	5 210	Machinery and equipment rental payments	\$1,000 .. 514 438
Establishments with 100 employees or more	1 443		
All employees	778 833	NORTH DAKOTA	
Total compensation	32 910 270	Companies ¹	number .. 664
Annual payroll	26 319 424	All establishments	number .. 702
Total fringe benefits	6 590 846	Establishments with 1 to 19 employees	number .. 514
Production workers, average for year	533 795	Establishments with 20 to 99 employees	number .. 139
Production workers on March 12	529 221	Establishments with 100 employees or more	number .. 49
Production workers on May 12	532 691	All employees	number .. 21 948
Production workers on August 12	535 099	Total compensation	\$1,000 .. 761 199
Production workers on November 12	538 169	Annual payroll	\$1,000 .. 604 532
Production-worker hours	1 049 318	Total fringe benefits	\$1,000 .. 156 667
Production-worker wages	14 577 589	Production workers, average for year	number .. 16 359
Total cost of materials	68 693 723	Production workers on March 12	number .. 16 047
Cost of materials, parts, containers, etc., consumed	58 251 721	Production workers on May 12	number .. 16 252
Cost of resales	4 993 098	Production workers on August 12	number .. 16 458
Cost of fuels	819 958	Production workers on November 12	number .. 16 679
Cost of purchased electricity	1 541 651	Production-worker hours	1,000 .. 31 447
Cost of contract work	3 087 295	Production-worker wages	\$1,000 .. 386 806
Quantity of electricity purchased for heat and power	25 164 698	Total cost of materials	\$1,000 .. 3 297 443
Quantity of electricity generated less sold for heat and power	1 573 549	Cost of materials, parts, containers, etc., consumed	\$1,000 .. 3 086 206
Total value of shipments	145 019 529	Cost of resales	\$1,000 .. 109 967
Value added	75 858 926	Cost of fuels	\$1,000 .. 39 152
Total inventories, beginning of year	17 451 899	Cost of purchased electricity	\$1,000 .. 38 372
Finished goods inventories, beginning of year	5 897 089	Cost of contract work	\$1,000 .. 23 746
Work-in-process inventories, beginning of year	5 787 798	Quantity of electricity purchased for heat and power	1,000 kWh .. 838 514
Materials and supplies inventories, beginning of year	5 767 012	Quantity of electricity generated less sold for heat and power	1,000 kWh .. 181 275
Total inventories, end of year	17 347 479	Total value of shipments	\$1,000 .. 5 295 480
Finished goods inventories, end of year	5 853 574	Value added	\$1,000 .. 2 008 799
Work-in-process inventories, end of year	5 444 166	Total inventories, beginning of year	\$1,000 .. 565 003
Materials and supplies inventories, end of year	6 049 739	Finished goods inventories, beginning of year	\$1,000 .. 229 204
Gross book value of total assets at beginning of year	54 048 984	Work-in-process inventories, beginning of year	\$1,000 .. 68 742
Total capital expenditures (new and used)	5 626 038	Materials and supplies inventories, beginning of year	\$1,000 .. 267 057
Capital expenditures for buildings and other structures (new and used)	967 243	Total inventories, end of year	\$1,000 .. 590 620
Capital expenditures for machinery and equipment (new and used)	4 658 795	Finished goods inventories, end of year	\$1,000 .. 232 375
Total retirements	1 839 772	Work-in-process inventories, end of year	\$1,000 .. 87 194
Gross book value of total assets at end of year	57 835 250	Materials and supplies inventories, end of year	\$1,000 .. 271 051
Total depreciation during year	3 791 279	Gross book value of total assets at beginning of year	\$1,000 .. 1 484 953
Total rental payments	1 289 446	Total capital expenditures (new and used)	\$1,000 .. 201 019
Buildings and other structures rental payments	660 715	Capital expenditures for buildings and other structures (new and used)	\$1,000 .. 39 356
Machinery and equipment rental payments	628 731	Capital expenditures for machinery and equipment (new and used)	\$1,000 .. 161 663
		Total retirements	\$1,000 .. 43 181
		Gross book value of total assets at end of year	\$1,000 .. 1 642 791
NORTH CAROLINA		Total depreciation during year	\$1,000 .. 99 098
Companies ¹	9 841	Total rental payments	\$1,000 .. 30 166
All establishments	11 276	Buildings and other structures rental payments	\$1,000 .. 11 763
Establishments with 1 to 19 employees	6 676	Machinery and equipment rental payments	\$1,000 .. 18 403
Establishments with 20 to 99 employees	2 833		
Establishments with 100 employees or more	1 767	OHIO	
All employees	771 474	Companies ¹	number .. 16 154
Total compensation	26 503 401	All establishments	number .. 17 921
Annual payroll	21 202 451	Establishments with 1 to 19 employees	number .. 11 066
Total fringe benefits	5 300 950	Establishments with 20 to 99 employees	number .. 4 783
Production workers, average for year	599 534	Establishments with 100 employees or more	number .. 2 072
Production workers on March 12	599 873	All employees	number .. 980 133
Production workers on May 12	598 206	Total compensation	\$1,000 .. 46 184 994
Production workers on August 12	599 687	Annual payroll	\$1,000 .. 35 811 374
Production workers on November 12	600 370	Total fringe benefits	\$1,000 .. 10 373 620
Production-worker hours	1 192 012	Production workers, average for year	number .. 727 110
Production-worker wages	13 992 938	Production workers on March 12	number .. 724 140
Total cost of materials	83 038 366	Production workers on May 12	number .. 724 766
Cost of materials, parts, containers, etc., consumed	71 962 817	Production workers on August 12	number .. 729 999
Cost of resales	7 257 200	Production workers on November 12	number .. 729 535
Cost of fuels	781 788	Production-worker hours	1,000 .. 1 494 596
Cost of purchased electricity	1 672 363	Production-worker wages	\$1,000 .. 23 489 758
Cost of contract work	1 364 198	Total cost of materials	\$1,000 .. 129 408 857
Quantity of electricity purchased for heat and power	33 906 515	Cost of materials, parts, containers, etc., consumed	\$1,000 .. 115 650 944
Quantity of electricity generated less sold for heat and power	2 433 537	Cost of resales	\$1,000 .. 6 205 554
Total value of shipments	162 805 526	Cost of fuels	\$1,000 .. 1 556 833
Value added	79 790 807	Cost of purchased electricity	\$1,000 .. 2 815 681
Total inventories, beginning of year	17 014 528	Cost of contract work	\$1,000 .. 3 179 845
Finished goods inventories, beginning of year	5 969 303	Quantity of electricity purchased for heat and power	1,000 kWh .. 65 676 908
Work-in-process inventories, beginning of year	4 111 632	Quantity of electricity generated less sold for heat and power	1,000 kWh .. 687 816
Materials and supplies inventories, beginning of year	6 933 593	Total value of shipments	\$1,000 .. 241 489 801
Total inventories, end of year	17 095 484	Value added	\$1,000 .. 112 361 392
Finished goods inventories, end of year	6 253 923	Total inventories, beginning of year	\$1,000 .. 22 164 090
Work-in-process inventories, end of year	3 909 237	Finished goods inventories, beginning of year	\$1,000 .. 7 927 170
Materials and supplies inventories, end of year	6 932 324	Work-in-process inventories, beginning of year	\$1,000 .. 6 196 154
Gross book value of total assets at beginning of year	56 855 377	Materials and supplies inventories, beginning of year	\$1,000 .. 8 040 766
Total capital expenditures (new and used)	5 214 477	Total inventories, end of year	\$1,000 .. 22 526 791
Capital expenditures for buildings and other structures (new and used)	741 593	Finished goods inventories, end of year	\$1,000 .. 8 138 742
Capital expenditures for machinery and equipment (new and used)	4 472 884	Work-in-process inventories, end of year	\$1,000 .. 6 267 287
Total retirements	1 568 294	Materials and supplies inventories, end of year	\$1,000 .. 8 120 762
Gross book value of total assets at end of year	60 501 560		

Table 2-3. Detailed Statistics for States: 1997—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Value	Item	Value
OHIO—Con.		OREGON—Con.	
Gross book value of total assets at beginning of year	\$1,000..	Total inventories, beginning of year	\$1,000..
Total capital expenditures (new and used)	\$1,000..	Finished goods inventories, beginning of year	\$1,000..
Capital expenditures for buildings and other structures (new and used)	\$1,000..	Work-in-process inventories, beginning of year	\$1,000..
Capital expenditures for machinery and equipment (new and used)	\$1,000..	Materials and supplies inventories, beginning of year	\$1,000..
Total retirements	\$1,000..	Total inventories, end of year	\$1,000..
Gross book value of total assets at end of year	\$1,000..	Finished goods inventories, end of year	\$1,000..
Total depreciation during year	\$1,000..	Work-in-process inventories, end of year	\$1,000..
Total rental payments	\$1,000..	Materials and supplies inventories, end of year	\$1,000..
Buildings and other structures rental payments	\$1,000..	Gross book value of total assets at beginning of year	\$1,000..
Machinery and equipment rental payments	\$1,000..	Total capital expenditures (new and used)	\$1,000..
OKLAHOMA		Capital expenditures for buildings and other structures (new and used)	\$1,000..
Companies ¹	number..	Capital expenditures for machinery and equipment (new and used)	\$1,000..
All establishments	number..	Total retirements	\$1,000..
Establishments with 1 to 19 employees	number..	Gross book value of total assets at end of year	\$1,000..
Establishments with 20 to 99 employees	number..	Total depreciation during year	\$1,000..
Establishments with 100 employees or more	number..	Total rental payments	\$1,000..
All employees	number..	Buildings and other structures rental payments	\$1,000..
Total compensation	\$1,000..	Machinery and equipment rental payments	\$1,000..
Annual payroll	\$1,000..	PENNSYLVANIA	
Total fringe benefits	\$1,000..	Companies ¹	number..
Production workers, average for year	number..	All establishments	number..
Production workers on March 12	number..	Establishments with 1 to 19 employees	number..
Production workers on May 12	number..	Establishments with 20 to 99 employees	number..
Production workers on August 12	number..	Establishments with 100 employees or more	number..
Production workers on November 12	number..	All employees	number..
Production-worker hours	1,000..	Total compensation	\$1,000..
Production-worker wages	\$1,000..	Annual payroll	\$1,000..
Total cost of materials	\$1,000..	Total fringe benefits	\$1,000..
Cost of materials, parts, containers, etc., consumed	\$1,000..	Production workers, average for year	number..
Cost of resales	\$1,000..	Production workers on March 12	number..
Cost of fuels	\$1,000..	Production workers on May 12	number..
Cost of purchased electricity	\$1,000..	Production workers on August 12	number..
Cost of contract work	\$1,000..	Production workers on November 12	number..
Quantity of electricity purchased for heat and power	1,000 kWh..	Production-worker hours	1,000..
Quantity of electricity generated less sold for heat and power	1,000 kWh..	Production-worker wages	\$1,000..
Total value of shipments	\$1,000..	Total cost of materials	\$1,000..
Value added	\$1,000..	Cost of materials, parts, containers, etc., consumed	\$1,000..
Total inventories, beginning of year	\$1,000..	Cost of resales	\$1,000..
Finished goods inventories, beginning of year	\$1,000..	Cost of fuels	\$1,000..
Work-in-process inventories, beginning of year	\$1,000..	Cost of purchased electricity	\$1,000..
Materials and supplies inventories, beginning of year	\$1,000..	Cost of contract work	\$1,000..
Total inventories, end of year	\$1,000..	Quantity of electricity purchased for heat and power	1,000 kWh..
Finished goods inventories, end of year	\$1,000..	Quantity of electricity generated less sold for heat and power	1,000 kWh..
Work-in-process inventories, end of year	\$1,000..	Total value of shipments	\$1,000..
Materials and supplies inventories, end of year	\$1,000..	Value added	\$1,000..
Gross book value of total assets at beginning of year	\$1,000..	Total inventories, beginning of year	\$1,000..
Total capital expenditures (new and used)	\$1,000..	Finished goods inventories, beginning of year	\$1,000..
Capital expenditures for buildings and other structures (new and used)	\$1,000..	Work-in-process inventories, beginning of year	\$1,000..
Capital expenditures for machinery and equipment (new and used)	\$1,000..	Materials and supplies inventories, beginning of year	\$1,000..
Total retirements	\$1,000..	Total inventories, end of year	\$1,000..
Gross book value of total assets at end of year	\$1,000..	Finished goods inventories, end of year	\$1,000..
Total depreciation during year	\$1,000..	Work-in-process inventories, end of year	\$1,000..
Total rental payments	\$1,000..	Materials and supplies inventories, end of year	\$1,000..
Buildings and other structures rental payments	\$1,000..	Gross book value of total assets at beginning of year	\$1,000..
Machinery and equipment rental payments	\$1,000..	Total capital expenditures (new and used)	\$1,000..
OREGON		Capital expenditures for buildings and other structures (new and used)	\$1,000..
Companies ¹	number..	Capital expenditures for machinery and equipment (new and used)	\$1,000..
All establishments	number..	Total retirements	\$1,000..
Establishments with 1 to 19 employees	number..	Gross book value of total assets at end of year	\$1,000..
Establishments with 20 to 99 employees	number..	Total depreciation during year	\$1,000..
Establishments with 100 employees or more	number..	Total rental payments	\$1,000..
All employees	number..	Buildings and other structures rental payments	\$1,000..
Total compensation	\$1,000..	Machinery and equipment rental payments	\$1,000..
Annual payroll	\$1,000..	RHODE ISLAND	
Total fringe benefits	\$1,000..	Companies ¹	number..
Production workers, average for year	number..	All establishments	number..
Production workers on March 12	number..	Establishments with 1 to 19 employees	number..
Production workers on May 12	number..	Establishments with 20 to 99 employees	number..
Production workers on August 12	number..	Establishments with 100 employees or more	number..
Production workers on November 12	number..	All employees	number..
Production-worker hours	1,000..	Total compensation	\$1,000..
Production-worker wages	\$1,000..	Annual payroll	\$1,000..
Total cost of materials	\$1,000..	Total fringe benefits	\$1,000..
Cost of materials, parts, containers, etc., consumed	\$1,000..	Production workers, average for year	number..
Cost of resales	\$1,000..	Production workers on March 12	number..
Cost of fuels	\$1,000..	Production workers on May 12	number..
Cost of purchased electricity	\$1,000..	Production workers on August 12	number..
Cost of contract work	\$1,000..	Production workers on November 12	number..
Quantity of electricity purchased for heat and power	1,000 kWh..	Production-worker hours	1,000..
Quantity of electricity generated less sold for heat and power	1,000 kWh..	Production-worker wages	\$1,000..
Total value of shipments	\$1,000..		
Value added	\$1,000..		

MANUFACTURING—SUBJECT SERIES

GENERAL SUMMARY—GEOG. AREA STATISTICS 2-75

Table 2-3. Detailed Statistics for States: 1997—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Value	Item	Value		
RHODE ISLAND—Con.		SOUTH DAKOTA—Con.			
Total cost of materials	\$1,000..	4 882 795	Production workers, average for year	number..	33 041
Cost of materials, parts, containers, etc., consumed	\$1,000..	4 142 423	Production workers on March 12	number..	32 273
Cost of resales	\$1,000..	328 814	Production workers on May 12	number..	32 916
Cost of fuels	\$1,000..	56 382	Production workers on August 12	number..	33 491
Cost of purchased electricity	\$1,000..	115 314	Production workers on November 12	number..	33 484
Cost of contract work	\$1,000..	239 862			
Quantity of electricity purchased for heat and power	1,000 kWh..	1 342 531	Production-worker hours	1,000..	64 773
Quantity of electricity generated less sold for heat and power	1,000 kWh..	5 907	Production-worker wages	\$1,000..	703 545
Total value of shipments	\$1,000..	10 388 007	Total cost of materials	\$1,000..	7 811 807
Value added	\$1,000..	5 462 493	Cost of materials, parts, containers, etc., consumed	\$1,000..	7 384 358
Total inventories, beginning of year	\$1,000..	1 499 540	Cost of resales	\$1,000..	279 815
Finished goods inventories, beginning of year	\$1,000..	597 609	Cost of fuels	\$1,000..	31 444
Work-in-process inventories, beginning of year	\$1,000..	375 027	Cost of purchased electricity	\$1,000..	54 169
Materials and supplies inventories, beginning of year	\$1,000..	526 904	Cost of contract work	\$1,000..	62 021
Total inventories, end of year	\$1,000..	1 515 893	Quantity of electricity purchased for heat and power	1,000 kWh..	1 199 377
Finished goods inventories, end of year	\$1,000..	580 210	Quantity of electricity generated less sold for heat and power	1,000 kWh..	—
Work-in-process inventories, end of year	\$1,000..	349 528	Total value of shipments	\$1,000..	12 164 706
Materials and supplies inventories, end of year	\$1,000..	586 155	Value added	\$1,000..	4 352 357
Gross book value of total assets at beginning of year	\$1,000..	4 107 009	Total inventories, beginning of year	\$1,000..	929 194
Total capital expenditures (new and used)	\$1,000..	397 298	Finished goods inventories, beginning of year	\$1,000..	309 470
Capital expenditures for buildings and other structures (new and used)	\$1,000..	73 593	Work-in-process inventories, beginning of year	\$1,000..	318 030
Capital expenditures for machinery and equipment (new and used)	\$1,000..	323 705	Materials and supplies inventories, beginning of year	\$1,000..	301 694
Total retirements	\$1,000..	97 776	Total inventories, end of year	\$1,000..	1 000 084
Gross book value of total assets at end of year	\$1,000..	4 406 531	Finished goods inventories, end of year	\$1,000..	357 729
Total depreciation during year	\$1,000..	294 544	Work-in-process inventories, end of year	\$1,000..	271 370
Total rental payments	\$1,000..	118 939	Materials and supplies inventories, end of year	\$1,000..	370 985
Buildings and other structures rental payments	\$1,000..	65 663	Gross book value of total assets at beginning of year	\$1,000..	1 911 300
Machinery and equipment rental payments	\$1,000..	53 276	Total capital expenditures (new and used)	\$1,000..	262 798
			Capital expenditures for buildings and other structures (new and used)	\$1,000..	54 760
			Capital expenditures for machinery and equipment (new and used)	\$1,000..	208 038
			Total retirements	\$1,000..	34 661
			Gross book value of total assets at end of year	\$1,000..	2 139 437
			Total depreciation during year	\$1,000..	141 158
			Total rental payments	\$1,000..	46 922
			Buildings and other structures rental payments	\$1,000..	22 559
			Machinery and equipment rental payments	\$1,000..	24 363
SOUTH CAROLINA		TENNESSEE			
Companies ¹	number..	3 935	Companies ¹	number..	6 713
All establishments	number..	4 437	All establishments	number..	7 384
Establishments with 1 to 19 employees	number..	2 577	Establishments with 1 to 19 employees	number..	4 496
Establishments with 20 to 99 employees	number..	1 070	Establishments with 20 to 99 employees	number..	1 823
Establishments with 100 employees or more	number..	790	Establishments with 100 employees or more	number..	1 065
All employees	number..	343 452	All employees	number..	482 639
Total compensation	\$1,000..	12 852 648	Total compensation	\$1,000..	18 210 010
Annual payroll	\$1,000..	10 312 408	Annual payroll	\$1,000..	14 329 669
Total fringe benefits	\$1,000..	2 540 240	Total fringe benefits	\$1,000..	3 880 341
Production workers, average for year	number..	265 645	Production workers, average for year	number..	374 140
Production workers on March 12	number..	265 082	Production workers on March 12	number..	374 219
Production workers on May 12	number..	265 658	Production workers on May 12	number..	375 917
Production workers on August 12	number..	265 724	Production workers on August 12	number..	373 263
Production workers on November 12	number..	266 116	Production workers on November 12	number..	373 161
Production-worker hours	1,000..	536 612	Production-worker hours	1,000..	741 421
Production-worker wages	\$1,000..	6 814 088	Production-worker wages	\$1,000..	9 454 387
Total cost of materials	\$1,000..	37 125 249	Total cost of materials	\$1,000..	54 195 539
Cost of materials, parts, containers, etc., consumed	\$1,000..	32 968 008	Cost of materials, parts, containers, etc., consumed	\$1,000..	48 439 395
Cost of resales	\$1,000..	1 895 937	Cost of resales	\$1,000..	3 082 032
Cost of fuels	\$1,000..	528 629	Cost of fuels	\$1,000..	630 138
Cost of purchased electricity	\$1,000..	1 136 252	Cost of purchased electricity	\$1,000..	998 324
Cost of contract work	\$1,000..	596 423	Cost of contract work	\$1,000..	1 045 650
Quantity of electricity purchased for heat and power	1,000 kWh..	29 078 781	Quantity of electricity purchased for heat and power	1,000 kWh..	23 778 266
Quantity of electricity generated less sold for heat and power	1,000 kWh..	2 925 400	Quantity of electricity generated less sold for heat and power	1,000 kWh..	2 234 003
Total value of shipments	\$1,000..	70 384 095	Total value of shipments	\$1,000..	98 649 891
Value added	\$1,000..	33 343 682	Value added	\$1,000..	44 527 758
Total inventories, beginning of year	\$1,000..	7 639 028	Total inventories, beginning of year	\$1,000..	9 745 034
Finished goods inventories, beginning of year	\$1,000..	2 847 612	Finished goods inventories, beginning of year	\$1,000..	4 400 277
Work-in-process inventories, beginning of year	\$1,000..	2 003 260	Work-in-process inventories, beginning of year	\$1,000..	1 816 016
Materials and supplies inventories, beginning of year	\$1,000..	2 788 156	Materials and supplies inventories, beginning of year	\$1,000..	3 528 741
Total inventories, end of year	\$1,000..	7 891 461	Total inventories, end of year	\$1,000..	9 958 940
Finished goods inventories, end of year	\$1,000..	2 992 524	Finished goods inventories, end of year	\$1,000..	4 493 180
Work-in-process inventories, end of year	\$1,000..	1 945 130	Work-in-process inventories, end of year	\$1,000..	1 874 379
Materials and supplies inventories, end of year	\$1,000..	2 953 807	Materials and supplies inventories, end of year	\$1,000..	3 591 381
Gross book value of total assets at beginning of year	\$1,000..	36 523 212	Gross book value of total assets at beginning of year	\$1,000..	41 766 573
Total capital expenditures (new and used)	\$1,000..	3 405 410	Total capital expenditures (new and used)	\$1,000..	3 853 294
Capital expenditures for buildings and other structures (new and used)	\$1,000..	377 949	Capital expenditures for buildings and other structures (new and used)	\$1,000..	488 475
Capital expenditures for machinery and equipment (new and used)	\$1,000..	3 027 461	Capital expenditures for machinery and equipment (new and used)	\$1,000..	3 364 819
Total retirements	\$1,000..	986 906	Total retirements	\$1,000..	1 097 562
Gross book value of total assets at end of year	\$1,000..	38 941 716	Gross book value of total assets at end of year	\$1,000..	44 522 305
Total depreciation during year	\$1,000..	2 460 041	Total depreciation during year	\$1,000..	2 752 462
Total rental payments	\$1,000..	355 382	Total rental payments	\$1,000..	655 982
Buildings and other structures rental payments	\$1,000..	135 923	Buildings and other structures rental payments	\$1,000..	258 639
Machinery and equipment rental payments	\$1,000..	219 459	Machinery and equipment rental payments	\$1,000..	397 343
SOUTH DAKOTA					
Companies ¹	number..	822			
All establishments	number..	884			
Establishments with 1 to 19 employees	number..	595			
Establishments with 20 to 99 employees	number..	195			
Establishments with 100 employees or more	number..	94			
All employees	number..	46 287			
Total compensation	\$1,000..	1 441 256			
Annual payroll	\$1,000..	1 155 969			
Total fringe benefits	\$1,000..	285 287			

Table 2-3. Detailed Statistics for States: 1997—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Value	Item	Value
TEXAS		UTAH—Con.	
Companies ¹	number.. 19 763	Total depreciation during year	\$1,000.. 604 283
All establishments	number.. 21 763	Total rental payments	\$1,000.. 218 248
Establishments with 1 to 19 employees	number.. 15 010	Buildings and other structures rental payments	\$1,000.. 105 342
Establishments with 20 to 99 employees	number.. 4 886	Machinery and equipment rental payments	\$1,000.. 112 906
Establishments with 100 employees or more	number.. 1 867		
All employees	number.. 958 232	VERMONT	
Total compensation	\$1,000.. 40 930 590	Companies ¹	number.. 1 177
Annual payroll	\$1,000.. 32 718 983	All establishments	number.. 1 225
Total fringe benefits	\$1,000.. 8 211 607	Establishments with 1 to 19 employees	number.. 886
Production workers, average for year	number.. 663 356	Establishments with 20 to 99 employees	number.. 250
Production workers on March 12	number.. 658 615	Establishments with 100 employees or more	number.. 89
Production workers on May 12	number.. 661 734	All employees	number.. 42 503
Production workers on August 12	number.. 664 986	Total compensation	\$1,000.. 1 801 588
Production workers on November 12	number.. 668 089	Annual payroll	\$1,000.. 1 457 047
Production-worker hours	1,000.. 1 340 712	Total fringe benefits	\$1,000.. 344 541
Production-worker wages	\$1,000.. 18 093 008	Production workers, average for year	number.. 29 291
Total cost of materials	\$1,000.. 169 487 234	Production workers on March 12	number.. 29 118
Cost of materials, parts, containers, etc., consumed	\$1,000.. 151 422 748	Production workers on May 12	number.. 29 424
Cost of resales	\$1,000.. 7 567 691	Production workers on August 12	number.. 29 276
Cost of fuels	\$1,000.. 4 045 713	Production workers on November 12	number.. 29 346
Cost of purchased electricity	\$1,000.. 2 756 504	Production-worker hours	1,000.. 57 719
Cost of contract work	\$1,000.. 3 694 578	Production-worker wages	\$1,000.. 757 088
Quantity of electricity purchased for heat and power	1,000 kWh.. 64 454 819	Total cost of materials	\$1,000.. 3 929 084
Quantity of electricity generated less sold for heat and power	1,000 kWh.. 17 462 704	Cost of materials, parts, containers, etc., consumed	\$1,000.. 2 963 936
Total value of shipments	\$1,000.. 296 782 631	Cost of resales	\$1,000.. 485 844
Value added	\$1,000.. 127 579 894	Cost of fuels	\$1,000.. 28 911
Total inventories, beginning of year	\$1,000.. 28 798 924	Cost of purchased electricity	\$1,000.. 86 886
Finished goods inventories, beginning of year	\$1,000.. 11 585 773	Cost of contract work	\$1,000.. 363 507
Work-in-process inventories, beginning of year	\$1,000.. 7 572 261	Quantity of electricity purchased for heat and power	1,000 kWh.. 1 228 688
Materials and supplies inventories, beginning of year	\$1,000.. 9 640 890	Quantity of electricity generated less sold for heat and power	1,000 kWh.. D
Total inventories, end of year	\$1,000.. 29 615 986	Total value of shipments	\$1,000.. 7 799 397
Finished goods inventories, end of year	\$1,000.. 11 714 892	Value added	\$1,000.. 4 028 276
Work-in-process inventories, end of year	\$1,000.. 7 733 941	Total inventories, beginning of year	\$1,000.. 843 219
Materials and supplies inventories, end of year	\$1,000.. 10 167 153	Finished goods inventories, beginning of year	\$1,000.. 224 912
Gross book value of total assets at beginning of year	\$1,000.. 131 867 036	Work-in-process inventories, beginning of year	\$1,000.. 399 968
Total capital expenditures (new and used)	\$1,000.. 12 505 676	Materials and supplies inventories, beginning of year	\$1,000.. 218 339
Capital expenditures for buildings and other structures (new and used)	\$1,000.. 1 479 344	Total inventories, end of year	\$1,000.. 1 029 369
Capital expenditures for machinery and equipment (new and used)	\$1,000.. 11 026 332	Finished goods inventories, end of year	\$1,000.. 234 716
Total retirements	\$1,000.. 3 166 693	Work-in-process inventories, end of year	\$1,000.. 548 587
Gross book value of total assets at end of year	\$1,000.. 141 206 019	Materials and supplies inventories, end of year	\$1,000.. 246 066
Total depreciation during year	\$1,000.. 9 077 621	Gross book value of total assets at beginning of year	\$1,000.. 3 868 778
Total rental payments	\$1,000.. 2 075 567	Total capital expenditures (new and used)	\$1,000.. 732 944
Buildings and other structures rental payments	\$1,000.. 827 551	Capital expenditures for buildings and other structures (new and used)	\$1,000.. 79 771
Machinery and equipment rental payments	\$1,000.. 1 248 016	Capital expenditures for machinery and equipment (new and used)	\$1,000.. 653 173
		Total retirements	\$1,000.. 179 534
		Gross book value of total assets at end of year	\$1,000.. 4 422 188
UTAH		Total depreciation during year	\$1,000.. 380 917
Companies ¹	number.. 2 762	Total rental payments	\$1,000.. 67 718
All establishments	number.. 2 855	Buildings and other structures rental payments	\$1,000.. 35 351
Establishments with 1 to 19 employees	number.. 1 998	Machinery and equipment rental payments	\$1,000.. 32 367
Establishments with 20 to 99 employees	number.. 630		
Establishments with 100 employees or more	number.. 227	VIRGINIA	
All employees	number.. 121 899	Companies ¹	number.. 5 444
Total compensation	\$1,000.. 4 660 642	All establishments	number.. 5 970
Annual payroll	\$1,000.. 3 765 895	Establishments with 1 to 19 employees	number.. 3 938
Total fringe benefits	\$1,000.. 894 747	Establishments with 20 to 99 employees	number.. 1 281
Production workers, average for year	number.. 86 686	Establishments with 100 employees or more	number.. 751
Production workers on March 12	number.. 82 953	All employees	number.. 370 242
Production workers on May 12	number.. 86 339	Total compensation	\$1,000.. 14 520 077
Production workers on August 12	number.. 87 041	Annual payroll	\$1,000.. 11 549 863
Production workers on November 12	number.. 90 411	Total fringe benefits	\$1,000.. 2 970 214
Production-worker hours	1,000.. 169 255	Production workers, average for year	number.. 274 381
Production-worker wages	\$1,000.. 2 246 557	Production workers on March 12	number.. 273 376
Total cost of materials	\$1,000.. 13 346 669	Production workers on May 12	number.. 273 819
Cost of materials, parts, containers, etc., consumed	\$1,000.. 11 899 521	Production workers on August 12	number.. 274 444
Cost of resales	\$1,000.. 801 392	Production workers on November 12	number.. 275 885
Cost of fuels	\$1,000.. 139 185	Production-worker hours	1,000.. 549 218
Cost of purchased electricity	\$1,000.. 208 177	Production-worker wages	\$1,000.. 7 243 796
Cost of contract work	\$1,000.. 298 394	Total cost of materials	\$1,000.. 40 772 089
Quantity of electricity purchased for heat and power	1,000 kWh.. 5 474 630	Cost of materials, parts, containers, etc., consumed	\$1,000.. 36 332 608
Quantity of electricity generated less sold for heat and power	1,000 kWh.. 433 572	Cost of resales	\$1,000.. 2 241 091
Total value of shipments	\$1,000.. 24 953 032	Cost of fuels	\$1,000.. 486 998
Value added	\$1,000.. 11 689 959	Cost of purchased electricity	\$1,000.. 765 012
Total inventories, beginning of year	\$1,000.. 2 695 994	Cost of contract work	\$1,000.. 946 380
Finished goods inventories, beginning of year	\$1,000.. 962 489	Quantity of electricity purchased for heat and power	1,000 kWh.. 17 976 120
Work-in-process inventories, beginning of year	\$1,000.. 744 873	Quantity of electricity generated less sold for heat and power	1,000 kWh.. 1 813 235
Materials and supplies inventories, beginning of year	\$1,000.. 988 632	Total value of shipments	\$1,000.. 83 872 063
Total inventories, end of year	\$1,000.. 2 934 265	Value added	\$1,000.. 43 180 687
Finished goods inventories, end of year	\$1,000.. 1 054 444	Total inventories, beginning of year	\$1,000.. 9 904 580
Work-in-process inventories, end of year	\$1,000.. 733 237	Finished goods inventories, beginning of year	\$1,000.. 2 742 200
Materials and supplies inventories, end of year	\$1,000.. 1 146 584	Work-in-process inventories, beginning of year	\$1,000.. 2 170 892
Gross book value of total assets at beginning of year	\$1,000.. 8 036 663	Materials and supplies inventories, beginning of year	\$1,000.. 4 991 488
Total capital expenditures (new and used)	\$1,000.. 948 033	Total inventories, end of year	\$1,000.. 10 283 391
Capital expenditures for buildings and other structures (new and used)	\$1,000.. 108 760	Finished goods inventories, end of year	\$1,000.. 2 879 106
Capital expenditures for machinery and equipment (new and used)	\$1,000.. 839 273	Work-in-process inventories, end of year	\$1,000.. 2 125 067
Total retirements	\$1,000.. 273 451	Materials and supplies inventories, end of year	\$1,000.. 5 279 218
Gross book value of total assets at end of year	\$1,000.. 8 711 245		

MANUFACTURING—SUBJECT SERIES

GENERAL SUMMARY—GEOG. AREA STATISTICS 2-77

Table 2-3. Detailed Statistics for States: 1997—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Value	Item	Value
VIRGINIA—Con.		WEST VIRGINIA—Con.	
Gross book value of total assets at beginning of year	\$1,000..	Total inventories, beginning of year	\$1,000..
Total capital expenditures (new and used)	\$1,000..	Finished goods inventories, beginning of year	\$1,000..
Capital expenditures for buildings and other structures (new and used)	\$1,000..	Work-in-process inventories, beginning of year	\$1,000..
Capital expenditures for machinery and equipment (new and used)	\$1,000..	Materials and supplies inventories, beginning of year	\$1,000..
Total retirements	\$1,000..	Total inventories, end of year	\$1,000..
Gross book value of total assets at end of year	\$1,000..	Finished goods inventories, end of year	\$1,000..
Total depreciation during year	\$1,000..	Work-in-process inventories, end of year	\$1,000..
Total rental payments	\$1,000..	Materials and supplies inventories, end of year	\$1,000..
Buildings and other structures rental payments	\$1,000..	Gross book value of total assets at beginning of year	\$1,000..
Machinery and equipment rental payments	\$1,000..	Total capital expenditures (new and used)	\$1,000..
WASHINGTON		Capital expenditures for buildings and other structures (new and used)	\$1,000..
Companies ¹	number..	Capital expenditures for machinery and equipment (new and used)	\$1,000..
All establishments	number..	Total retirements	\$1,000..
Establishments with 1 to 19 employees	number..	Gross book value of total assets at end of year	\$1,000..
Establishments with 20 to 99 employees	number..	Total depreciation during year	\$1,000..
Establishments with 100 employees or more	number..	Total rental payments	\$1,000..
All employees	number..	Buildings and other structures rental payments	\$1,000..
Total compensation	\$1,000..	Machinery and equipment rental payments	\$1,000..
Annual payroll	\$1,000..	WISCONSIN	
Total fringe benefits	\$1,000..	Companies ¹	number..
Production workers, average for year	number..	All establishments	number..
Production workers on March 12	number..	Establishments with 1 to 19 employees	number..
Production workers on May 12	number..	Establishments with 20 to 99 employees	number..
Production workers on August 12	number..	Establishments with 100 employees or more	number..
Production workers on November 12	number..	All employees	number..
Production-worker hours	1,000..	Total compensation	\$1,000..
Production-worker wages	\$1,000..	Annual payroll	\$1,000..
Total cost of materials	\$1,000..	Total fringe benefits	\$1,000..
Cost of materials, parts, containers, etc., consumed	\$1,000..	Production workers, average for year	number..
Cost of resales	\$1,000..	Production workers on March 12	number..
Cost of fuels	\$1,000..	Production workers on May 12	number..
Cost of purchased electricity	\$1,000..	Production workers on August 12	number..
Cost of contract work	\$1,000..	Production workers on November 12	number..
Quantity of electricity purchased for heat and power	1,000 kWh..	Production-worker hours	1,000..
Quantity of electricity generated less sold for heat and power	1,000 kWh..	Production-worker wages	\$1,000..
Total value of shipments	\$1,000..	Total cost of materials	\$1,000..
Value added	\$1,000..	Cost of materials, parts, containers, etc., consumed	\$1,000..
Total inventories, beginning of year	\$1,000..	Cost of resales	\$1,000..
Finished goods inventories, beginning of year	\$1,000..	Cost of fuels	\$1,000..
Work-in-process inventories, beginning of year	\$1,000..	Cost of purchased electricity	\$1,000..
Materials and supplies inventories, beginning of year	\$1,000..	Cost of contract work	\$1,000..
Total inventories, end of year	\$1,000..	Quantity of electricity purchased for heat and power	1,000 kWh..
Finished goods inventories, end of year	\$1,000..	Quantity of electricity generated less sold for heat and power	1,000 kWh..
Work-in-process inventories, end of year	\$1,000..	Total value of shipments	\$1,000..
Materials and supplies inventories, end of year	\$1,000..	Value added	\$1,000..
Gross book value of total assets at beginning of year	\$1,000..	Total inventories, beginning of year	\$1,000..
Total capital expenditures (new and used)	\$1,000..	Finished goods inventories, beginning of year	\$1,000..
Capital expenditures for buildings and other structures (new and used)	\$1,000..	Work-in-process inventories, beginning of year	\$1,000..
Capital expenditures for machinery and equipment (new and used)	\$1,000..	Materials and supplies inventories, beginning of year	\$1,000..
Total retirements	\$1,000..	Total inventories, end of year	\$1,000..
Gross book value of total assets at end of year	\$1,000..	Finished goods inventories, end of year	\$1,000..
Total depreciation during year	\$1,000..	Work-in-process inventories, end of year	\$1,000..
Total rental payments	\$1,000..	Materials and supplies inventories, end of year	\$1,000..
Buildings and other structures rental payments	\$1,000..	Gross book value of total assets at beginning of year	\$1,000..
Machinery and equipment rental payments	\$1,000..	Total capital expenditures (new and used)	\$1,000..
WEST VIRGINIA		Capital expenditures for buildings and other structures (new and used)	\$1,000..
Companies ¹	number..	Capital expenditures for machinery and equipment (new and used)	\$1,000..
All establishments	number..	Total retirements	\$1,000..
Establishments with 1 to 19 employees	number..	Gross book value of total assets at end of year	\$1,000..
Establishments with 20 to 99 employees	number..	Total depreciation during year	\$1,000..
Establishments with 100 employees or more	number..	Total rental payments	\$1,000..
All employees	number..	Buildings and other structures rental payments	\$1,000..
Total compensation	\$1,000..	Machinery and equipment rental payments	\$1,000..
Annual payroll	\$1,000..	WYOMING	
Total fringe benefits	\$1,000..	Companies ¹	number..
Production workers, average for year	number..	All establishments	number..
Production workers on March 12	number..	Establishments with 1 to 19 employees	number..
Production workers on May 12	number..	Establishments with 20 to 99 employees	number..
Production workers on August 12	number..	Establishments with 100 employees or more	number..
Production workers on November 12	number..	All employees	number..
Production-worker hours	1,000..	Total compensation	\$1,000..
Production-worker wages	\$1,000..	Annual payroll	\$1,000..
Total cost of materials	\$1,000..	Total fringe benefits	\$1,000..
Cost of materials, parts, containers, etc., consumed	\$1,000..	Production workers, average for year	number..
Cost of resales	\$1,000..	Production workers on March 12	number..
Cost of fuels	\$1,000..	Production workers on May 12	number..
Cost of purchased electricity	\$1,000..	Production workers on August 12	number..
Cost of contract work	\$1,000..	Production workers on November 12	number..
Quantity of electricity purchased for heat and power	1,000 kWh..	Production-worker hours	1,000..
Quantity of electricity generated less sold for heat and power	1,000 kWh..	Production-worker wages	\$1,000..
Total value of shipments	\$1,000..		
Value added	\$1,000..		

Table 2–3. **Detailed Statistics for States: 1997—Con.**

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Value	Item	Value
WYOMING—Con.		WYOMING—Con.	
Total cost of materials	\$1,000.. 1 910 250	Total inventories, end of year	\$1,000.. 283 930
Cost of materials, parts, containers, etc., consumed	\$1,000.. 1 727 808	Finished goods inventories, end of year	\$1,000.. 136 017
Cost of resales	\$1,000.. 39 549	Work-in-process inventories, end of year	\$1,000.. 43 062
Cost of fuels	\$1,000.. 39 435	Materials and supplies inventories, end of year	\$1,000.. 104 851
Cost of purchased electricity	\$1,000.. 59 540	Gross book value of total assets at beginning of year	\$1,000.. 1 421 757
Cost of contract work	\$1,000.. 43 918	Total capital expenditures (new and used)	\$1,000.. 76 990
Quantity of electricity purchased for heat and power	1,000 kWh.. 1 906 795	Capital expenditures for buildings and other structures (new and used)	\$1,000.. 7 562
Quantity of electricity generated less sold for heat and power	1,000 kWh.. 92 185	Capital expenditures for machinery and equipment (new and used)	\$1,000.. 69 428
Total value of shipments	\$1,000.. 2 955 070	Total retirements	\$1,000.. 16 855
Value added	\$1,000.. 1 030 583	Gross book value of total assets at end of year	\$1,000.. 1 481 892
Total inventories, beginning of year	\$1,000.. 285 842	Total depreciation during year	\$1,000.. 77 347
Finished goods inventories, beginning of year	\$1,000.. 125 520	Total rental payments	\$1,000.. 11 598
Work-in-process inventories, beginning of year	\$1,000.. 67 760	Buildings and other structures rental payments	\$1,000.. 3 788
Materials and supplies inventories, beginning of year	\$1,000.. 92 562	Machinery and equipment rental payments	\$1,000.. 7 810

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

Table 3–1. Method of Inventory Valuation by Subsector: 1997

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Percent of total	Absolute standard error (percent)	Item	Percent of total	Absolute standard error (percent)
31-33, MANUFACTURING			316, LEATHER & ALLIED PRODUCT MFG		
Total inventories	100.0	X	Total inventories	100.0	X
Last-in, First-out (LIFO) methods	32.0	X	Last-in, First-out (LIFO) methods	32.8	X
Non-LIFO methods	63.9	X	Non-LIFO methods	63.8	X
First-in, First-out (FIFO)	19.0	.2	First-in, First-out (FIFO)	33.8	2.1
Average cost	16.4	.2	Average cost	5.5	.7
Standard cost	20.9	.2	Standard cost	21.7	2.0
Other non-LIFO methods, including market basis	7.6	.1	Other non-LIFO methods, including market basis	2.9	1.3
Valuation method not reported	3.7	X	Valuation method not reported	3.3	X
Amount subject to LIFO reported without associated reserve and value	.4	X	Amount subject to LIFO reported without associated reserve and value	—	X
311, FOOD MFG			321, WOOD PRODUCT MFG		
Total inventories	100.0	X	Total inventories	100.0	X
Last-in, First-out (LIFO) methods	24.1	X	Last-in, First-out (LIFO) methods	33.7	X
Non-LIFO methods	73.8	X	Non-LIFO methods	57.1	X
First-in, First-out (FIFO)	27.1	.6	First-in, First-out (FIFO)	16.5	1.1
Average cost	18.1	.7	Average cost	20.6	1.0
Standard cost	16.4	.4	Standard cost	10.0	.6
Other non-LIFO methods, including market basis	12.3	.4	Other non-LIFO methods, including market basis	10.0	.9
Valuation method not reported	1.8	X	Valuation method not reported	4.8	X
Amount subject to LIFO reported without associated reserve and value	.2	X	Amount subject to LIFO reported without associated reserve and value	4.4	X
312, BEVERAGE & TOBACCO PRODUCT MFG			322, PAPER MFG		
Total inventories	100.0	X	Total inventories	100.0	X
Last-in, First-out (LIFO) methods	72.0	X	Last-in, First-out (LIFO) methods	37.6	X
Non-LIFO methods	27.5	X	Non-LIFO methods	57.7	X
First-in, First-out (FIFO)	10.4	1.1	First-in, First-out (FIFO)	13.1	.5
Average cost	4.5	.9	Average cost	20.9	.7
Standard cost	11.0	.9	Standard cost	18.1	.7
Other non-LIFO methods, including market basis	1.6	1.0	Other non-LIFO methods, including market basis	5.5	.3
Valuation method not reported	.5	X	Valuation method not reported	2.3	X
Amount subject to LIFO reported without associated reserve and value	—	X	Amount subject to LIFO reported without associated reserve and value	2.4	X
313, TEXTILE MILLS			323, PRINTING & RELATED SUPPORT ACTIVITIES		
Total inventories	100.0	X	Total inventories	100.0	X
Last-in, First-out (LIFO) methods	48.7	X	Last-in, First-out (LIFO) methods	33.1	X
Non-LIFO methods	48.9	X	Non-LIFO methods	58.4	X
First-in, First-out (FIFO)	21.7	.8	First-in, First-out (FIFO)	25.7	.9
Average cost	7.7	.6	Average cost	11.8	1.0
Standard cost	13.5	.7	Standard cost	14.5	.7
Other non-LIFO methods, including market basis	6.1	.7	Other non-LIFO methods, including market basis	6.3	.7
Valuation method not reported	1.5	X	Valuation method not reported	8.3	X
Amount subject to LIFO reported without associated reserve and value	.9	X	Amount subject to LIFO reported without associated reserve and value	.2	X
314, TEXTILE PRODUCT MILLS			324, PETROLEUM & COAL PRODUCTS MFG		
Total inventories	100.0	X	Total inventories	100.0	X
Last-in, First-out (LIFO) methods	46.2	X	Last-in, First-out (LIFO) methods	74.2	X
Non-LIFO methods	51.1	X	Non-LIFO methods	25.5	X
First-in, First-out (FIFO)	20.3	1.0	First-in, First-out (FIFO)	7.3	.3
Average cost	10.8	.8	Average cost	11.7	.2
Standard cost	17.3	.9	Standard cost	3.0	.1
Other non-LIFO methods, including market basis	2.6	.3	Other non-LIFO methods, including market basis	3.6	.2
Valuation method not reported	2.4	X	Valuation method not reported	.2	X
Amount subject to LIFO reported without associated reserve and value	.4	X	Amount subject to LIFO reported without associated reserve and value	—	X
315, APPAREL MFG			325, CHEMICAL MFG		
Total inventories	100.0	X	Total inventories	100.0	X
Last-in, First-out (LIFO) methods	20.2	X	Last-in, First-out (LIFO) methods	46.6	X
Non-LIFO methods	73.1	X	Non-LIFO methods	52.4	X
First-in, First-out (FIFO)	25.0	.9	First-in, First-out (FIFO)	14.4	.5
Average cost	8.8	.7	Average cost	15.5	.7
Standard cost	29.1	1.2	Standard cost	19.0	.7
Other non-LIFO methods, including market basis	10.2	.7	Other non-LIFO methods, including market basis	3.5	.2
Valuation method not reported	6.5	X	Valuation method not reported	.9	X
Amount subject to LIFO reported without associated reserve and value	.2	X	Amount subject to LIFO reported without associated reserve and value	.2	X

Table 3–1. Method of Inventory Valuation by Subsector: 1997—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Percent of total	Absolute standard error (percent)	Item	Percent of total	Absolute standard error (percent)
326, PLASTICS & RUBBER PRODUCTS MFG			334, COMPUTER & ELECTRONIC PRODUCT MFG		
Total inventories	100.0	X	Total inventories	100.0	X
Last-in, First-out (LIFO) methods	38.8	X	Last-in, First-out (LIFO) methods	5.5	X
Non-LIFO methods	57.1	X	Non-LIFO methods	91.8	X
First-in, First-out (FIFO)	21.6	.6	First-in, First-out (FIFO)	23.5	.4
Average cost	9.0	.5	Average cost	15.2	.3
Standard cost	23.6	.5	Standard cost	42.1	.6
Other non-LIFO methods, including market basis	2.9	.2	Other non-LIFO methods, including market basis	11.0	.4
Valuation method not reported	3.2	X	Valuation method not reported	2.6	X
Amount subject to LIFO reported without associated reserve and value	1.0	X	Amount subject to LIFO reported without associated reserve and value	.1	X
327, NONMETALLIC MINERAL PRODUCT MFG			335, ELECTRICAL EQUIPMENT, APPLIANCE, & COMPONENT MFG		
Total inventories	100.0	X	Total inventories	100.0	X
Last-in, First-out (LIFO) methods	37.4	X	Last-in, First-out (LIFO) methods	39.2	X
Non-LIFO methods	58.8	X	Non-LIFO methods	57.0	X
First-in, First-out (FIFO)	21.7	1.1	First-in, First-out (FIFO)	25.4	1.9
Average cost	16.3	.8	Average cost	6.4	1.2
Standard cost	16.8	.9	Standard cost	23.0	1.5
Other non-LIFO methods, including market basis	4.0	.8	Other non-LIFO methods, including market basis	2.1	.3
Valuation method not reported	3.4	X	Valuation method not reported	2.7	X
Amount subject to LIFO reported without associated reserve and value	.4	X	Amount subject to LIFO reported without associated reserve and value	1.2	X
331, PRIMARY METAL MFG			336, TRANSPORTATION EQUIPMENT MFG		
Total inventories	100.0	X	Total inventories	100.0	X
Last-in, First-out (LIFO) methods	54.0	X	Last-in, First-out (LIFO) methods	12.3	X
Non-LIFO methods	45.4	X	Non-LIFO methods	78.3	X
First-in, First-out (FIFO)	15.1	.4	First-in, First-out (FIFO)	12.3	.2
Average cost	14.9	.3	Average cost	37.7	.2
Standard cost	11.9	.3	Standard cost	14.2	.2
Other non-LIFO methods, including market basis	3.6	.1	Other non-LIFO methods, including market basis	14.1	.2
Valuation method not reported	.5	X	Valuation method not reported	9.3	X
Amount subject to LIFO reported without associated reserve and value	.1	X	Amount subject to LIFO reported without associated reserve and value	.1	X
332, FABRICATED METAL PRODUCT MFG			337, FURNITURE & RELATED PRODUCT MFG		
Total inventories	100.0	X	Total inventories	100.0	X
Last-in, First-out (LIFO) methods	37.4	X	Last-in, First-out (LIFO) methods	37.5	X
Non-LIFO methods	57.3	X	Non-LIFO methods	55.7	X
First-in, First-out (FIFO)	20.6	.8	First-in, First-out (FIFO)	24.0	1.0
Average cost	11.4	.6	Average cost	6.3	.5
Standard cost	19.5	.7	Standard cost	20.2	1.0
Other non-LIFO methods, including market basis	5.7	.4	Other non-LIFO methods, including market basis	5.2	.5
Valuation method not reported	4.9	X	Valuation method not reported	6.1	X
Amount subject to LIFO reported without associated reserve and value	.4	X	Amount subject to LIFO reported without associated reserve and value	.7	X
333, MACHINERY MFG			339, MISCELLANEOUS MFG		
Total inventories	100.0	X	Total inventories	100.0	X
Last-in, First-out (LIFO) methods	41.1	X	Last-in, First-out (LIFO) methods	25.8	X
Non-LIFO methods	55.8	X	Non-LIFO methods	69.1	X
First-in, First-out (FIFO)	17.4	.6	First-in, First-out (FIFO)	29.7	1.1
Average cost	8.0	.5	Average cost	7.2	.6
Standard cost	22.4	.7	Standard cost	28.7	1.0
Other non-LIFO methods, including market basis	8.0	.6	Other non-LIFO methods, including market basis	3.4	.3
Valuation method not reported	2.7	X	Valuation method not reported	5.1	X
Amount subject to LIFO reported without associated reserve and value	.4	X	Amount subject to LIFO reported without associated reserve and value	.1	X

Note: Percentages shown for LIFO and non-LIFO totals and categories, valuation method not reported, and amount subject to LIFO reported without associated reserve and value are based on census universe estimates included in Table 3–2. Percentages shown for specific non-LIFO methods of valuation (e.g., FIFO, etc.) are based on a representative sample of establishments included in annual survey of manufactures (ASM) panel for 1997 (see appendixes for description of ASM). Absolute standard error of each ASM estimate is shown above.

Table 3–2. Inventories With LIFO Valuation by Subsector: 1997

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Beginning of 1997 (\$1,000)	End of 1997 (\$1,000)	Item	Beginning of 1997 (\$1,000)	End of 1997 (\$1,000)
31-33, MANUFACTURING			321, WOOD PRODUCT MFG		
Total inventories	419 977 777	433 448 730	Total inventories	8 822 850	9 441 249
Subject to Last-in, First-out (LIFO) costing ¹	116 014 944	118 822 559	Subject to Last-in, First-out (LIFO) costing ¹	2 379 024	2 449 765
LIFO reserve	29 257 257	27 244 667	LIFO reserve	662 984	745 314
LIFO value	86 757 687	91 577 892	LIFO value	1 716 040	1 704 451
Not subject to LIFO costing	246 880 933	284 246 607	Not subject to LIFO costing	4 693 362	5 476 301
Valuation method not reported ²	54 652 003	28 090 811	Valuation method not reported ²	1 467 877	1 132 696
Amount subject to LIFO reported without associated reserve and value ³	2 429 897	2 288 753	Amount subject to LIFO reported without associated reserve and value ³	282 587	382 487
311, FOOD MFG			322, PAPER MFG		
Total inventories	29 482 461	30 151 960	Total inventories	14 892 766	15 041 523
Subject to Last-in, First-out (LIFO) costing ¹	5 870 708	6 247 345	Subject to Last-in, First-out (LIFO) costing ¹	4 828 989	5 121 188
LIFO reserve	826 568	896 868	LIFO reserve	1 130 410	1 057 269
LIFO value	5 044 140	5 350 477	LIFO value	3 698 579	4 063 919
Not subject to LIFO costing	19 989 302	22 461 149	Not subject to LIFO costing	8 300 006	9 006 507
Valuation method not reported ²	3 518 531	1 335 871	Valuation method not reported ²	1 406 882	578 644
Amount subject to LIFO reported without associated reserve and value ³	103 920	107 595	Amount subject to LIFO reported without associated reserve and value ³	356 889	335 184
312, BEVERAGE & TOBACCO PRODUCT MFG			323, PRINTING & RELATED SUPPORT ACTIVITIES		
Total inventories	13 302 961	14 188 142	Total inventories	6 396 004	6 621 144
Subject to Last-in, First-out (LIFO) costing ¹	8 790 768	9 161 212	Subject to Last-in, First-out (LIFO) costing ¹	1 396 458	1 435 004
LIFO reserve	2 774 961	2 955 772	LIFO reserve	281 888	257 698
LIFO value	6 015 807	6 205 440	LIFO value	1 114 570	1 177 306
Not subject to LIFO costing	3 405 751	4 554 921	Not subject to LIFO costing	2 838 332	4 260 993
Valuation method not reported ²	1 092 974	464 273	Valuation method not reported ²	2 116 221	884 662
Amount subject to LIFO reported without associated reserve and value ³	13 468	7 736	Amount subject to LIFO reported without associated reserve and value ³	44 993	40 485
313, TEXTILE MILLS			324, PETROLEUM & COAL PRODUCTS MFG		
Total inventories	6 678 254	6 640 225	Total inventories	12 009 719	11 492 679
Subject to Last-in, First-out (LIFO) costing ¹	2 658 988	2 588 882	Subject to Last-in, First-out (LIFO) costing ¹	8 501 526	8 061 551
LIFO reserve	631 648	570 182	LIFO reserve	3 666 288	2 543 112
LIFO value	2 027 340	2 018 700	LIFO value	4 835 238	5 518 439
Not subject to LIFO costing	3 024 436	3 554 935	Not subject to LIFO costing	3 024 149	3 248 776
Valuation method not reported ²	924 155	404 776	Valuation method not reported ²	480 198	178 389
Amount subject to LIFO reported without associated reserve and value ³	70 675	91 632	Amount subject to LIFO reported without associated reserve and value ³	3 846	3 963
314, TEXTILE PRODUCT MILLS			325, CHEMICAL MFG		
Total inventories	4 063 504	4 330 993	Total inventories	42 704 411	44 691 476
Subject to Last-in, First-out (LIFO) costing ¹	1 421 815	1 502 020	Subject to Last-in, First-out (LIFO) costing ¹	17 010 435	18 195 297
LIFO reserve	174 302	178 775	LIFO reserve	4 493 325	4 196 643
LIFO value	1 247 513	1 323 245	LIFO value	12 517 110	13 998 654
Not subject to LIFO costing	1 854 808	2 508 135	Not subject to LIFO costing	21 922 716	25 019 242
Valuation method not reported ²	776 152	294 545	Valuation method not reported ²	3 597 558	1 353 103
Amount subject to LIFO reported without associated reserve and value ³	10 729	26 293	Amount subject to LIFO reported without associated reserve and value ³	173 702	123 834
315, APPAREL MFG			326, PLASTICS & RUBBER PRODUCTS MFG		
Total inventories	8 856 417	9 266 744	Total inventories	15 574 510	15 979 716
Subject to Last-in, First-out (LIFO) costing ¹	1 664 397	1 565 640	Subject to Last-in, First-out (LIFO) costing ¹	4 954 059	4 938 400
LIFO reserve	292 891	261 892	LIFO reserve	955 339	890 540
LIFO value	1 371 506	1 303 748	LIFO value	3 998 720	4 047 860
Not subject to LIFO costing	5 349 599	6 758 946	Not subject to LIFO costing	7 843 698	9 803 729
Valuation method not reported ²	1 795 467	910 910	Valuation method not reported ²	2 662 094	1 084 544
Amount subject to LIFO reported without associated reserve and value ³	46 954	31 248	Amount subject to LIFO reported without associated reserve and value ³	114 659	153 043
316, LEATHER & ALLIED PRODUCT MFG			327, NONMETALLIC MINERAL PRODUCT MFG		
Total inventories	1 676 961	1 717 650	Total inventories	8 636 639	8 840 326
Subject to Last-in, First-out (LIFO) costing ¹	445 724	415 393	Subject to Last-in, First-out (LIFO) costing ¹	2 554 994	2 507 310
LIFO reserve	111 767	105 151	LIFO reserve	469 365	436 488
LIFO value	333 957	310 242	LIFO value	2 085 629	2 070 822
Not subject to LIFO costing	896 222	1 134 047	Not subject to LIFO costing	4 395 403	5 616 236
Valuation method not reported ²	330 967	164 253	Valuation method not reported ²	1 619 501	656 744
Amount subject to LIFO reported without associated reserve and value ³	4 048	3 957	Amount subject to LIFO reported without associated reserve and value ³	66 741	60 036

Table 3–2. Inventories With LIFO Valuation by Subsector: 1997—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Beginning of 1997 (\$1,000)	End of 1997 (\$1,000)	Item	Beginning of 1997 (\$1,000)	End of 1997 (\$1,000)
331, PRIMARY METAL MFG			335, ELECTRICAL EQUIPMENT, APPLIANCE, & COMPONENT MFG		
Total inventories	22 339 511	22 727 686	Total inventories	13 029 124	13 529 479
Subject to Last-in, First-out (LIFO) costing ¹	10 920 763	11 307 125	Subject to Last-in, First-out (LIFO) costing ¹	4 373 816	4 393 996
LIFO reserve	2 731 147	2 629 914	LIFO reserve	1 060 694	1 110 237
LIFO value	8 189 616	8 677 211	LIFO value	3 313 122	3 283 759
Not subject to LIFO costing	10 117 205	10 979 376	Not subject to LIFO costing	6 618 139	8 215 738
Valuation method not reported ²	1 258 237	385 056	Valuation method not reported ²	1 905 713	778 991
Amount subject to LIFO reported without associated reserve and value ³	43 306	56 129	Amount subject to LIFO reported without associated reserve and value ³	131 456	140 754
332, FABRICATED METAL PRODUCT MFG			336, TRANSPORTATION EQUIPMENT MFG		
Total inventories	30 466 548	31 774 159	Total inventories	65 287 222	66 411 837
Subject to Last-in, First-out (LIFO) costing ¹	8 483 070	8 644 601	Subject to Last-in, First-out (LIFO) costing ¹	7 643 358	8 052 909
LIFO reserve	1 983 261	1 922 855	LIFO reserve	1 701 292	1 464 742
LIFO value	6 499 809	6 721 746	LIFO value	5 942 066	6 588 167
Not subject to LIFO costing	14 391 869	19 817 018	Not subject to LIFO costing	53 859 883	51 695 805
Valuation method not reported ²	7 416 657	3 133 328	Valuation method not reported ²	3 405 160	6 545 647
Amount subject to LIFO reported without associated reserve and value ³	174 952	179 212	Amount subject to LIFO reported without associated reserve and value ³	378 821	117 476
333, MACHINERY MFG			337, FURNITURE & RELATED PRODUCT MFG		
Total inventories	43 073 890	44 490 878	Total inventories	7 359 747	7 526 301
Subject to Last-in, First-out (LIFO) costing ¹	14 675 995	14 588 375	Subject to Last-in, First-out (LIFO) costing ¹	1 928 236	2 005 233
LIFO reserve	3 768 427	3 485 173	LIFO reserve	450 508	444 394
LIFO value	10 907 568	11 103 202	LIFO value	1 477 728	1 560 839
Not subject to LIFO costing	20 982 482	26 780 597	Not subject to LIFO costing	3 339 773	4 647 837
Valuation method not reported ²	7 175 586	2 872 945	Valuation method not reported ²	2 022 004	809 387
Amount subject to LIFO reported without associated reserve and value ³	239 827	248 961	Amount subject to LIFO reported without associated reserve and value ³	69 734	63 844
334, COMPUTER & ELECTRONIC PRODUCT MFG			339, MISCELLANEOUS MFG		
Total inventories	50 060 531	53 045 620	Total inventories	15 263 747	15 538 943
Subject to Last-in, First-out (LIFO) costing ¹	2 652 414	2 769 723	Subject to Last-in, First-out (LIFO) costing ¹	2 859 407	2 871 590
LIFO reserve	458 829	461 081	LIFO reserve	631 363	630 567
LIFO value	2 193 585	2 308 642	LIFO value	2 228 044	2 241 023
Not subject to LIFO costing	41 537 144	47 646 895	Not subject to LIFO costing	8 496 654	11 059 424
Valuation method not reported ²	5 815 292	2 556 729	Valuation method not reported ²	3 864 777	1 565 318
Amount subject to LIFO reported without associated reserve and value ³	55 681	72 273	Amount subject to LIFO reported without associated reserve and value ³	42 909	42 611

¹Only includes data reported by respondents who (a) indicated amount of inventories subject to LIFO cost, and (b) provided sufficient information to determine associated LIFO reserve and value figures.²Includes data estimated for nonresponse and nonmail administrative records and data reported by respondents who provided total inventory figures without other information.³Includes data reported by respondents who indicated their inventories were subject to LIFO cost but did not provide associated reserve and value figures.

Table 3–3. Industry Statistics for Subsectors by Type of Company Ownership and Legal Form of Organization: 1997

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry, type of company ownership, and legal form of organization	Com- panies ¹	All estab- lish- ments ²	All employees		Production workers				Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)
				Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)	Value added by manufacture (\$1,000)			
31-33	Manufacturing	316 952	362 829	16 805 127	569 808 845	12 065 257	24 183 271	338 267 197	1 825 688 027	2 015 424 556	3 834 700 920	151 510 757
	Type of company ownership											
	Single-establishment companies ..	295 876	295 876	5 444 904	154 808 300	3 986 543	7 480 082	90 668 030	346 767 378	317 521 006	663 002 215	28 317 507
	Corporate	226 374	226 374	4 889 203	142 037 493	3 558 097	6 762 886	82 558 336	315 228 793	286 841 643	601 011 786	24 950 517
	Noncorporate	69 502	69 502	555 701	12 770 807	428 446	717 196	8 109 694	31 538 585	30 679 363	61 990 429	3 366 990
	Multiestablishment companies ...	21 076	66 953	11 360 223	415 000 545	8 078 714	16 703 189	247 599 167	1 478 920 649	1 697 903 550	3 171 698 705	123 193 250
	Corporate	19 815	63 159	10 838 792	396 836 091	7 700 311	15 933 445	236 636 630	1 418 412 496	1 610 123 931	3 023 215 639	117 667 647
	Noncorporate	1 261	3 794	521 431	18 164 454	378 403	769 744	10 962 537	60 508 153	87 779 619	148 483 066	5 525 603
	Legal form of organization											
	Corporate	246 189	289 533	15 727 995	538 873 584	11 258 408	22 696 331	319 194 966	1 733 641 289	1 896 965 574	3 624 227 425	142 618 164
	Noncorporate	70 763	73 296	1 077 132	30 935 261	806 849	1 486 940	19 072 231	92 046 738	118 458 982	210 473 495	8 892 593
	Individual proprietorships	50 503	50 718	289 925	5 902 359	230 578	358 745	3 881 025	13 485 964	12 244 996	25 616 066	976 034
	Partnerships	13 208	14 049	313 768	9 420 892	233 584	452 748	5 867 164	29 998 181	43 730 225	73 884 662	3 068 430
	Other and unknown	7 052	8 529	473 439	15 612 010	342 687	675 447	9 324 042	48 562 593	62 483 761	110 972 767	4 848 129

Table 3–3. Industry Statistics for Subsectors by Type of Company Ownership and Legal Form of Organization: 1997—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry, type of company ownership, and legal form of organization	Companies ¹	All establishments ²	All employees		Production workers				Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
				Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)	Value added by manufacture (\$1,000)			
311	Food mfg	21 958	26 302	1 466 956	38 366 240	1 112 307	2 234 216	25 185 751	163 675 301	258 537 984	421 737 017	10 799 165
	Type of company ownership											
	Single-establishment companies .	19 745	19 745	343 640	7 625 312	245 418	430 757	4 460 831	22 680 999	36 635 297	59 228 225	1 755 132
	Corporate	13 212	13 212	291 169	6 646 852	207 089	370 416	3 846 019	19 663 242	31 334 783	50 931 763	1 454 882
	Noncorporate	6 533	6 533	52 471	978 460	38 329	60 341	614 812	3 017 757	5 300 514	8 296 462	300 250
	Multiestablishment companies . . .	2 213	6 557	1 123 316	30 740 928	866 889	1 803 459	20 724 920	140 994 302	221 902 687	362 508 792	9 044 033
	Corporate	1 923	5 688	1 018 743	28 150 145	783 513	1 641 442	18 944 332	131 650 700	196 748 188	328 008 289	8 281 649
	Noncorporate	290	869	104 573	2 590 783	83 376	162 017	1 780 588	9 343 602	25 154 499	34 500 503	762 384
	Legal form of organization											
	Corporate	15 135	18 900	1 309 912	34 796 997	990 602	2 011 858	22 790 351	151 313 942	228 082 971	378 940 052	9 736 531
	Noncorporate	6 823	7 402	157 044	3 569 243	121 705	222 358	2 395 400	12 361 359	30 455 013	42 796 965	1 062 634
	Individual proprietorships	4 705	4 769	26 499	399 765	19 656	28 365	257 666	1 189 659	2 395 772	3 585 103	96 546
	Partnerships	1 436	1 548	39 145	954 421	29 601	55 105	622 025	3 071 917	6 915 093	9 977 541	253 191
	Other and unknown	682	1 085	91 400	2 215 057	72 448	138 888	1 515 709	8 099 783	21 144 148	29 234 321	712 897
312	Beverage & tobacco product mfg	2 237	2 727	175 711	6 735 295	98 389	196 693	3 554 784	56 433 891	41 276 110	96 971 368	3 100 543
	Type of company ownership											
	Single-establishment companies .	1 955	1 955	30 456	797 403	16 688	28 849	382 423	3 321 259	3 323 504	6 517 560	300 759
	Corporate	1 484	1 484	25 477	680 711	14 048	24 833	330 812	2 912 234	2 925 797	5 743 036	258 350
	Noncorporate	471	471	4 979	116 692	2 640	4 016	51 611	409 025	397 707	774 524	42 409
	Multiestablishment companies . . .	282	772	145 255	5 937 892	81 701	167 844	3 172 361	53 112 632	37 952 606	90 453 808	2 799 784
	Corporate	256	713	139 041	5 723 944	77 707	159 105	3 039 047	51 678 560	36 792 248	87 906 801	2 702 160
	Noncorporate	26	59	6 214	213 948	3 994	8 739	133 314	1 434 072	1 160 358	2 547 007	97 624
	Legal form of organization											
	Corporate	1 740	2 197	164 518	6 404 655	91 755	183 938	3 369 859	54 590 794	39 718 045	93 649 837	2 960 510
	Noncorporate	497	530	11 193	330 640	6 634	12 755	184 925	1 843 097	1 558 065	3 321 531	140 033
	Individual proprietorships	216	216	961	20 274	570	847	9 355	52 704	71 554	121 149	8 132
	Partnerships	217	228	5 069	136 696	2 538	4 343	62 593	575 321	578 235	1 089 212	55 472
	Other and unknown	64	86	5 163	173 670	3 526	7 565	112 977	1 215 072	908 276	2 111 170	76 429
313	Textile mills	3 863	4 694	391 899	10 058 482	332 385	695 900	7 439 112	23 696 948	34 876 899	58 707 401	2 691 704
	Type of company ownership											
	Single-establishment companies .	3 332	3 332	85 210	2 165 854	69 403	139 439	1 420 037	5 105 750	5 524 760	10 625 451	486 876
	Corporate	2 690	2 690	77 886	1 993 109	63 249	127 968	1 304 786	4 708 263	5 119 908	9 827 382	449 416
	Noncorporate	642	642	7 324	172 745	6 154	11 471	115 251	397 487	404 852	798 069	37 460
	Multiestablishment companies . . .	531	1 362	306 689	7 892 628	262 982	556 461	6 019 075	18 591 198	29 352 139	48 081 950	2 204 828
	Corporate	509	1 314	298 151	7 658 676	255 869	540 767	5 845 761	18 042 346	28 730 263	46 912 636	2 133 439
	Noncorporate	22	48	8 538	233 952	7 113	15 694	173 314	548 852	621 876	1 169 314	71 389
	Legal form of organization											
	Corporate	3 199	4 004	376 037	9 651 785	319 118	668 735	7 150 547	22 750 609	33 850 171	56 740 018	2 582 855
	Noncorporate	664	690	15 862	406 697	13 267	27 165	288 565	946 339	1 026 728	1 967 383	108 849
	Individual proprietorships	445	450	3 562	72 831	3 065	5 891	54 411	198 383	199 717	401 594	23 593
	Partnerships	159	169	6 273	159 760	5 288	10 485	115 574	349 176	442 464	789 205	45 277
	Other and unknown	60	71	6 027	174 106	4 914	10 789	118 580	398 780	384 547	776 547	39 979
314	Textile product mills	7 516	7 899	235 441	5 088 653	189 082	366 775	3 410 873	13 613 111	17 671 553	31 051 835	718 728
	Type of company ownership											
	Single-establishment companies .	7 053	7 053	103 514	2 013 892	81 344	142 072	1 251 702	3 979 273	4 015 010	7 978 216	258 522
	Corporate	4 689	4 689	88 731	1 776 290	69 326	123 005	1 098 829	3 493 891	3 528 692	7 009 337	229 263
	Noncorporate	2 364	2 364	14 783	237 602	12 018	19 067	152 873	485 382	486 318	968 879	29 259
	Multiestablishment companies . . .	463	846	131 927	3 074 761	107 738	224 703	2 159 171	9 633 838	13 656 543	23 073 619	460 206
	Corporate	436	803	127 103	2 948 545	103 888	217 099	2 085 236	9 174 633	13 149 879	22 115 445	446 561
	Noncorporate	27	43	4 824	126 216	3 850	7 604	73 935	459 205	506 664	958 174	13 645
	Legal form of organization											
	Corporate	5 125	5 492	215 834	4 724 835	173 214	340 104	3 184 065	12 668 524	16 678 571	29 124 782	675 824
	Noncorporate	2 391	2 407	19 607	363 818	15 868	26 671	226 808	944 587	992 982	1 927 053	42 904
	Individual proprietorships	1 852	1 854	8 108	117 680	6 666	10 161	76 701	241 257	233 566		

Table 3–3. Industry Statistics for Subsectors by Type of Company Ownership and Legal Form of Organization: 1997—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry, type of company ownership, and legal form of organization	Companies ¹	All establishments ²	All employees		Production workers				Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
				Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)	Value added by manufacture (\$1,000)			
315	Apparel mfg	15 839	16 989	710 796	12 582 352	592 290	1 060 314	8 799 442	33 780 193	34 683 500	68 018 116	941 178
	Type of company ownership											
	Single-establishment companies .	15 005	15 005	355 806	5 895 723	296 726	506 313	4 017 972	12 487 122	11 946 734	24 315 221	385 316
	Corporate	10 384	10 384	297 877	5 132 489	246 790	430 642	3 482 860	10 984 550	10 825 501	21 697 811	332 878
	Noncorporate	4 621	4 621	57 929	763 234	49 936	75 671	535 112	1 502 572	1 121 233	2 617 410	52 438
	Multiestablishment companies . . .	834	1 984	354 990	6 686 629	295 564	554 001	4 781 470	21 293 071	22 736 766	43 702 895	555 862
	Corporate	773	1 866	340 735	6 427 669	284 198	533 395	4 615 148	20 491 748	21 974 805	42 157 213	538 149
	Noncorporate	61	118	14 255	258 960	11 366	20 606	166 322	801 323	761 961	1 545 682	17 713
	Legal form of organization											
	Corporate	11 157	12 250	638 612	11 560 158	530 988	964 037	8 098 008	31 476 298	32 800 306	63 855 024	871 027
	Noncorporate	4 682	4 739	72 184	1 022 194	61 302	96 277	701 434	2 303 895	1 883 194	4 163 092	70 151
	Individual proprietorships	3 694	3 700	38 342	412 658	34 663	50 074	341 051	794 611	445 661	1 230 922	27 867
	Partnerships	623	646	17 860	339 714	13 388	22 689	176 026	790 584	695 273	1 491 111	25 392
	Other and unknown	365	393	15 982	269 822	13 251	23 514	184 357	718 700	742 260	1 441 059	16 892
316	Leather & allied product mfg	1 727	1 861	85 115	1 832 341	68 733	133 908	1 185 870	5 407 999	5 480 529	10 876 510	167 254
	Type of company ownership											
	Single-establishment companies .	1 566	1 566	32 144	639 523	25 553	48 896	406 735	1 524 093	1 486 784	3 010 227	44 152
	Corporate	1 143	1 143	28 121	572 761	22 298	42 898	362 423	1 357 740	1 347 984	2 706 521	39 881
	Noncorporate	423	423	4 023	66 762	3 255	5 998	44 312	166 353	138 800	303 706	4 271
	Multiestablishment companies . . .	161	295	52 971	1 192 818	43 180	85 012	779 135	3 883 906	3 993 745	7 866 283	123 102
	Corporate	153	277	48 803	1 121 001	39 392	77 443	723 646	3 712 148	3 837 533	7 536 538	119 025
	Noncorporate	8	18	4 168	71 817	3 788	7 569	55 489	171 758	156 212	329 745	4 077
	Legal form of organization											
	Corporate	1 296	1 420	76 924	1 693 762	61 690	120 341	1 086 069	5 069 888	5 185 517	10 243 059	158 906
	Noncorporate	431	441	8 191	138 579	7 043	13 567	99 801	338 111	295 012	633 451	8 348
	Individual proprietorships	311	311	2 485	34 371	2 166	3 998	26 017	77 764	76 231	151 032	1 807
	Partnerships	74	74	1 187	19 436	865	1 514	11 848	61 130	46 078	109 754	1 190
	Other and unknown	46	56	4 519	84 772	4 012	8 055	61 936	199 217	172 703	372 665	5 351
321	Wood product mfg	15 621	17 367	570 034	14 319 193	476 225	948 438	10 567 993	33 493 004	55 299 641	88 470 180	2 869 234
	Type of company ownership											
	Single-establishment companies .	14 470	14 470	256 805	5 765 408	209 951	394 964	4 043 963	12 509 135	18 045 039	30 430 822	1 028 109
	Corporate	9 484	9 484	216 003	5 018 065	174 956	336 739	3 465 082	10 761 164	15 679 749	26 324 713	823 507
	Noncorporate	4 986	4 986	40 802	747 343	34 995	58 225	578 881	1 747 971	2 365 290	4 106 109	204 602
	Multiestablishment companies . . .	1 151	2 897	313 229	8 553 785	266 274	553 474	6 524 030	20 983 869	37 254 602	58 039 358	1 841 125
	Corporate	1 070	2 684	290 520	7 969 880	246 570	513 381	6 069 090	19 512 512	33 980 420	53 321 119	1 740 206
	Noncorporate	81	213	22 709	583 905	19 704	40 093	454 940	1 471 357	3 274 182	4 718 239	100 919
	Legal form of organization											
	Corporate	10 554	12 168	506 523	12 987 945	421 526	850 120	9 534 172	30 273 676	49 660 169	79 645 832	2 563 713
	Noncorporate	5 067	5 199	63 511	1 331 248	54 699	98 318	1 033 821	3 219 328	5 639 472	8 824 348	305 521
	Individual proprietorships	3 472	3 480	21 162	350 521	18 366	28 561	281 816	826 932	1 206 368	2 034 216	68 015
	Partnerships	1 129	1 181	20 070	466 543	17 339	32 991	367 343	1 278 949	1 952 009	3 216 557	98 195
	Other and unknown	466	538	22 279	514 184	18 994	36 766	384 662	1 113 447	2 481 095	3 573 575	139 311
322	Paper mfg	3 808	5 868	574 274	22 311 971	440 096	935 795	15 187 973	70 300 235	80 189 518	150 295 890	8 595 133
	Type of company ownership											
	Single-establishment companies .	3 120	3 120	105 960	3 370 040	77 659	151 834	1 949 711	7 771 765	8 758 911	16 514 664	701 305
	Corporate	2 759	2 759	99 376	3 148 452	72 725	142 046	1 810 284	7 067 499	7 868 552	14 918 330	630 330
	Noncorporate	361	361	6 584	221 588	4 934	9 788	139 427	704 266	890 359	1 596 334	70 975
	Multiestablishment companies . . .	688	2 748	468 314	18 941 931	362 437	783 961	13 238 262	62 528 470	71 430 607	133 781 226	7 893 828
	Corporate	657	2 683	458 702	18 542 403	355 189	767 955	12 973 742	61 172 840	70 059 107	131 040 856	7 659 000
	Noncorporate	31	65	9 612	399 528	7 248	16 006	264 520	1 355 630	1 371 500	2 740 370	234 828
	Legal form of organization											
	Corporate	3 416	5 442	558 078	21 690 855	427 914	910 001	14 784 026	68 240 339	77 927 659	145 959 186	8 289 330
	Noncorporate	392	426	16 196	621 116	12 182	25 794	403 947	2 059 896	2 261 859	4 336 704	305 803
	Individual proprietorships	182	186	1 784	48 689	1 302	2 330	28 512	113 796	150 645	265 126	10 828
	Partnerships	105	11									

Table 3–3. Industry Statistics for Subsectors by Type of Company Ownership and Legal Form of Organization: 1997—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry, type of company ownership, and legal form of organization	Companies ¹	All establishments ²	All employees		Production workers				Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
				Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)	Value added by manufacture (\$1,000)			
323	Printing & related support activities	40 987	42 863	834 404	26 022 991	607 637	1 164 310	16 336 416	58 392 618	39 219 976	97 485 138	5 052 110
	Type of company ownership											
	Single-establishment companies .	39 563	39 563	497 110	14 837 994	356 070	654 740	8 964 912	29 766 028	18 313 588	48 033 564	2 430 965
	Corporate	28 751	28 751	442 670	13 629 133	315 267	592 594	8 199 099	27 208 003	16 693 892	43 856 357	2 213 412
	Noncorporate	10 812	10 812	54 440	1 208 861	40 803	62 146	765 813	2 558 025	1 619 696	4 177 207	217 553
	Multiestablishment companies . . .	1 424	3 300	337 294	11 184 997	251 567	509 570	7 371 504	28 626 590	20 906 388	49 451 574	2 621 145
	Corporate	1 351	3 152	324 341	10 761 967	241 288	488 440	7 078 573	27 670 786	20 095 478	47 689 499	2 542 541
	Noncorporate	73	148	12 953	423 030	10 279	21 130	292 931	955 804	810 910	1 762 075	78 604
	Legal form of organization											
	Corporate	30 102	31 903	767 011	24 391 100	556 555	1 081 034	15 277 672	54 878 789	36 789 370	91 545 856	4 755 953
	Noncorporate	10 885	10 960	67 393	1 631 891	51 082	83 276	1 058 744	3 513 829	2 430 606	5 939 282	296 157
	Individual proprietorships	8 158	8 173	33 915	687 184	25 740	37 660	450 631	1 465 469	905 439	2 370 716	123 926
	Partnerships	1 831	1 854	18 762	513 108	14 497	25 728	346 240	1 114 420	858 892	1 971 891	91 533
	Other and unknown	896	933	14 716	431 599	10 845	19 888	261 873	933 940	666 275	1 596 675	80 698
324	Petroleum & coal products mfg	1 166	2 146	107 625	5 546 082	71 554	161 036	3 421 272	37 610 773	139 509 979	177 393 098	4 755 162
	Type of company ownership											
	Single-establishment companies .	763	763	11 688	468 247	7 235	14 182	241 141	1 548 705	2 938 189	4 495 090	176 237
	Corporate	685	685	10 787	433 579	6 681	13 110	219 154	1 348 253	2 610 829	3 966 526	156 231
	Noncorporate	78	78	901	34 668	554	1 072	21 987	200 452	327 360	528 564	20 006
	Multiestablishment companies . . .	403	1 383	95 937	5 077 835	64 319	146 854	3 180 131	36 062 068	136 571 790	172 898 008	4 578 925
	Corporate	376	1 313	88 221	4 614 671	59 196	135 624	2 899 480	33 771 428	124 730 027	158 666 041	4 143 199
	Noncorporate	27	70	7 716	463 164	5 123	11 230	280 651	2 290 640	11 841 763	14 231 967	435 726
	Legal form of organization											
	Corporate	1 061	1 998	99 008	5 048 250	65 877	148 734	3 118 634	35 119 681	127 340 856	162 632 567	4 299 430
	Noncorporate	105	148	8 617	497 832	5 677	12 302	302 638	2 491 092	12 169 123	14 760 531	455 732
	Individual proprietorships	24	24	101	3 817	73	130	2 533	13 476	42 988	56 803	2 961
	Partnerships	50	68	4 318	274 342	2 803	5 862	165 097	1 272 379	7 157 909	8 532 229	218 331
	Other and unknown	31	56	4 198	219 673	2 801	6 310	135 008	1 205 237	4 968 226	6 171 499	234 440
325	Chemical mfg	9 626	13 474	882 645	39 835 717	512 152	1 068 966	19 192 170	224 684 500	192 199 632	415 616 508	21 669 251
	Type of company ownership											
	Single-establishment companies .	7 926	7 926	144 425	5 016 176	83 525	154 006	2 192 253	16 593 081	16 374 783	32 968 769	1 519 303
	Corporate	7 112	7 112	133 771	4 669 166	77 157	142 284	2 023 967	15 242 413	14 602 937	29 847 535	1 366 471
	Noncorporate	814	814	10 654	347 010	6 368	11 722	168 286	1 350 668	1 771 846	3 121 234	152 832
	Multiestablishment companies . . .	1 700	5 548	738 220	34 819 541	428 627	914 960	16 999 917	208 091 419	175 824 849	382 647 739	20 149 948
	Corporate	1 580	5 226	701 861	33 114 000	407 409	869 867	16 142 602	197 875 347	164 618 727	361 239 310	18 746 102
	Noncorporate	120	322	36 359	1 705 541	21 218	45 093	857 315	10 216 072	11 206 122	21 408 429	1 403 846
	Legal form of organization											
	Corporate	8 692	12 338	835 632	37 783 166	484 566	1 012 151	18 166 569	213 117 760	179 221 664	391 086 845	20 112 573
	Noncorporate	934	1 136	47 013	2 052 551	27 586	56 815	1 025 601	11 566 740	12 977 968	24 529 663	1 556 678
	Individual proprietorships	380	387	4 566	144 310	2 920	5 431	80 062	471 921	524 136	998 451	19 000
	Partnerships	342	421	18 561	817 309	11 292	23 336	423 101	4 978 795	5 681 017	10 651 696	497 890
	Other and unknown	212	328	23 886	1 090 932	13 374	28 048	522 438	6 116 024	6 772 815	12 879 516	1 039 788
326	Plastics & rubber products mfg	13 798	16 821	1 023 060	29 804 904	805 689	1 607 820	19 828 676	81 349 082	77 994 466	159 161 346	7 836 663
	Type of company ownership											
	Single-establishment companies .	11 787	11 787	339 305	8 830 088	263 651	500 934	5 465 817	20 176 733	18 248 853	38 391 568	1 898 282
	Corporate	10 113	10 113	314 083	8 227 678	243 668	464 813	5 080 911	18 689 554	16 902 090	35 564 918	1 732 311
	Noncorporate	1 674	1 674	25 222	602 410	19 983	36 121	384 906	1 487 179	1 346 763	2 826 650	165 971
	Multiestablishment companies . . .	2 011	5 034	683 755	20 974 816	542 038	1 106 886	14 362 859	61 172 349	59 745 613	120 769 778	5 938 381
	Corporate	1 937	4 843	662 594	20 375 677	525 697	1 074 850	13 960 461	59 501 816	58 144 594	117 513 304	5 765 188
	Noncorporate	74	191	21 161	599 139	16 341	32 036	402 398	1 670 533	1 601 019	3 256 474	173 193
	Legal form of organization											
	Corporate	12 050	14 956	976 677	28 603 355	769 365	1 539 663	19 041 372	78 191 370	75 046 684	153 078 222	7 497 499
	Noncorporate	1 748										

Table 3–3. Industry Statistics for Subsectors by Type of Company Ownership and Legal Form of Organization: 1997—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry, type of company ownership, and legal form of organization	Companies ¹	All establishments ²	All employees		Production workers				Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
				Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)	Value added by manufacture (\$1,000)			
327	Nonmetallic mineral product mfg	11 921	16 310	501 471	16 172 049	388 898	797 684	11 319 464	49 425 491	37 072 480	86 464 708	4 798 921
	Type of company ownership											
	Single-establishment companies . .	10 464	10 464	160 433	4 440 642	120 073	227 779	2 867 362	10 499 239	8 620 407	19 099 174	970 960
	Corporate	7 939	7 939	143 342	4 032 695	106 727	204 536	2 589 808	9 466 113	7 764 719	17 209 925	846 288
	Noncorporate	2 525	2 525	17 091	407 947	13 346	23 243	277 554	1 033 126	855 688	1 889 249	124 672
	Multiestablishment companies . . .	1 457	5 846	341 038	11 731 407	268 825	569 905	8 452 102	38 926 252	28 452 073	67 365 534	3 827 961
	Corporate	1 388	5 483	314 673	10 769 914	247 236	525 812	7 709 099	35 731 187	26 186 530	61 847 725	3 454 998
	Noncorporate	69	363	26 365	961 493	21 589	44 093	743 003	3 195 065	2 265 543	5 517 809	372 963
	Legal form of organization											
	Corporate	9 327	13 422	458 015	14 802 609	353 963	730 348	10 298 907	45 197 300	33 951 249	79 057 650	4 301 286
	Noncorporate	2 594	2 888	43 456	1 369 440	34 935	67 336	1 020 557	4 228 191	3 121 231	7 407 058	497 635
	Individual proprietorships	1 778	1 789	7 855	159 664	6 205	9 639	110 394	380 882	300 100	683 469	34 744
	Partnerships	533	695	13 007	424 758	10 202	20 698	305 311	1 406 837	1 260 352	2 681 498	117 989
	Other and unknown	283	404	22 594	785 018	18 528	36 999	604 852	2 440 472	1 560 779	4 042 091	344 902
331	Primary metal mfg	4 076	5 059	605 085	23 811 233	479 552	1 024 675	17 354 552	68 749 487	99 343 265	168 117 728	6 515 752
	Type of company ownership											
	Single-establishment companies . .	3 172	3 172	122 827	3 975 114	96 762	195 022	2 690 889	9 544 293	11 204 803	20 685 100	868 607
	Corporate	2 749	2 749	112 433	3 629 719	88 503	178 464	2 451 951	8 521 167	9 783 314	18 272 480	768 891
	Noncorporate	423	423	10 394	345 395	8 259	16 558	238 938	1 023 126	1 421 489	2 412 620	99 716
	Multiestablishment companies . . .	904	1 887	482 258	19 836 119	382 790	829 653	14 663 663	59 205 194	88 138 462	147 432 628	5 647 145
	Corporate	860	1 802	461 489	18 985 000	366 149	793 311	14 042 082	56 690 312	83 754 624	140 326 983	5 393 765
	Noncorporate	44	85	20 769	851 119	16 641	36 342	621 581	2 514 882	4 383 838	7 105 645	253 380
	Legal form of organization											
	Corporate	3 609	4 551	573 922	22 614 719	454 652	971 775	16 494 033	65 211 479	93 537 938	158 599 463	6 162 656
	Noncorporate	467	508	31 163	1 196 514	24 900	52 900	860 519	3 538 008	5 805 327	9 518 265	353 096
	Individual proprietorships	249	251	2 316	58 674	1 939	3 525	41 836	136 178	108 256	244 702	8 323
	Partnerships	138	157	15 022	618 365	11 996	27 119	457 463	2 109 972	3 674 336	5 949 398	189 578
	Other and unknown	80	100	13 825	519 475	10 965	22 256	361 220	1 291 858	2 022 735	3 324 165	155 195
332	Fabricated metal product mfg	58 516	62 384	1 763 772	56 631 583	1 327 053	2 674 948	36 251 771	133 493 077	110 067 843	242 813 453	9 368 661
	Type of company ownership											
	Single-establishment companies . .	54 888	54 888	941 631	29 342 921	712 161	1 392 287	18 508 365	60 484 841	41 567 906	101 657 396	4 411 570
	Corporate	43 218	43 218	855 186	27 055 271	645 215	1 277 279	17 000 785	55 396 973	37 553 342	92 598 204	3 932 442
	Noncorporate	11 670	11 670	86 445	2 287 650	66 946	115 008	1 507 580	5 087 868	4 014 564	9 059 192	479 128
	Multiestablishment companies . . .	3 628	7 496	822 141	27 288 662	614 892	1 282 661	17 743 406	73 008 236	68 499 937	141 156 057	4 957 091
	Corporate	3 453	7 153	785 731	25 993 741	588 574	1 225 354	16 903 188	69 680 127	65 552 631	134 916 770	4 765 590
	Noncorporate	175	343	36 410	1 294 921	26 318	57 307	840 218	3 328 109	2 947 306	6 239 287	191 501
	Legal form of organization											
	Corporate	46 671	50 371	1 640 917	53 049 012	1 233 789	2 502 633	33 903 973	125 077 100	103 105 973	227 514 974	8 698 032
	Noncorporate	11 845	12 013	122 855	3 582 571	93 264	172 315	2 347 798	8 415 977	6 961 870	15 298 479	670 629
	Individual proprietorships	8 432	8 451	46 358	1 114 169	37 099	59 436	762 286	2 275 385	1 300 222	3 572 489	196 748
	Partnerships	1 996	2 057	29 980	929 972	22 383	43 920	597 349	2 660 492	3 090 708	5 699 802	247 714
	Other and unknown	1 417	1 505	46 517	1 538 430	33 782	68 959	988 163	3 480 100	2 570 940	6 026 188	226 167
333	Machinery mfg	27 983	30 599	1 420 512	53 012 226	936 047	1 895 580	29 106 922	137 934 706	133 291 232	270 687 165	8 835 703
	Type of company ownership											
	Single-establishment companies . .	25 102	25 102	499 065	17 931 233	337 317	668 955	9 990 657	36 344 245	28 532 174	64 649 242	2 485 477
	Corporate	21 696	21 696	465 215	16 857 871	313 455	625 243	9 351 900	34 195 594	26 907 605	60 893 490	2 323 320
	Noncorporate	3 406	3 406	33 850	1 073 362	23 862	43 712	638 757	2 148 651	1 624 569	3 755 752	162 157
	Multiestablishment companies . . .	2 881	5 497	921 447	35 080 993	598 730	1 226 625	19 116 265	101 590 461	104 759 058	206 037 923	6 350 226
	Corporate	2 756	5 250	879 849	33 457 194	572 145	1 173 894	18 265 796	97 363 628	100 118 883	197 197 353	6 086 452
	Noncorporate	125	247	41 598	1 623 799	26 585	52 731	850 469	4 226 833	4 640 175	8 840 570	263 774
	Legal form of organization											
	Corporate	24 452	26 946	1 345 064	50 315 065	885 600	1 799 137	27 617 696	131 559 222	127		

Table 3–3. Industry Statistics for Subsectors by Type of Company Ownership and Legal Form of Organization: 1997—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry, type of company ownership, and legal form of organization	Companies ¹	All establishments ²	All employees		Production workers				Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
				Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)	Value added by manufacture (\$1,000)			
334	Computer & electronic product mfg	15 492	17 435	1 691 146	72 483 848	877 002	1 746 314	26 117 539	252 629 768	187 875 131	439 381 300	24 768 490
	Type of company ownership											
	Single-establishment companies . .	13 543	13 543	376 252	13 792 791	218 175	418 002	5 437 491	30 986 610	23 603 363	54 636 202	4 330 653
	Corporate	12 252	12 252	351 886	12 961 774	202 321	386 653	5 040 309	28 496 871	21 868 561	50 449 548	3 462 015
	Noncorporate	1 291	1 291	24 366	831 017	15 854	31 349	397 182	2 489 739	1 734 802	4 186 654	868 638
	Multiestablishment companies . . .	1 949	3 892	1 314 894	58 691 057	658 827	1 328 312	20 680 048	221 643 158	164 271 768	384 745 098	20 437 837
	Corporate	1 877	3 738	1 274 567	56 962 912	637 594	1 285 823	20 027 065	216 851 120	160 646 586	376 475 796	20 131 706
	Noncorporate	72	154	40 327	1 728 145	21 233	42 489	652 983	4 792 038	3 625 182	8 269 302	306 131
	Legal form of organization											
	Corporate	14 129	15 990	1 626 453	69 924 686	839 915	1 672 476	25 067 374	245 347 991	182 515 147	426 925 344	23 593 721
335	Electrical equipment, appliance, & component mfg	5 839	6 930	593 802	18 972 741	432 273	860 344	11 368 753	57 215 610	54 987 295	112 116 267	3 598 750
	Type of company ownership											
	Single-establishment companies . .	4 919	4 919	131 505	3 948 384	89 458	171 814	1 990 411	9 031 083	7 971 097	17 031 760	533 647
	Corporate	4 396	4 396	124 699	3 764 607	84 421	162 428	1 884 484	8 594 250	7 503 387	16 124 465	512 077
	Noncorporate	523	523	6 806	183 777	5 037	9 386	105 927	436 833	467 710	907 295	21 570
	Multiestablishment companies . . .	920	2 011	462 297	15 024 357	342 815	688 530	9 378 342	48 184 527	47 016 198	95 084 507	3 065 103
	Corporate	881	1 935	446 855	14 490 113	331 368	665 007	9 054 080	46 562 936	45 461 478	91 889 896	2 980 603
	Noncorporate	39	76	15 442	534 244	11 447	23 523	324 262	1 621 591	1 554 720	3 194 611	84 500
	Legal form of organization											
	Corporate	5 277	6 331	571 554	18 254 720	415 789	827 435	10 938 564	55 157 186	52 964 865	108 014 361	3 492 680
336	Transportation equipment mfg	10 979	12 887	1 842 315	79 616 518	1 340 735	2 734 790	51 450 169	227 510 551	348 121 929	575 306 996	19 251 148
	Type of company ownership											
	Single-establishment companies . .	9 634	9 634	280 872	8 175 907	216 865	404 910	5 227 135	18 433 883	24 606 915	43 043 622	2 039 820
	Corporate	8 035	8 035	257 421	7 537 127	198 554	372 465	4 811 311	16 560 761	22 739 174	39 313 545	1 912 991
	Noncorporate	6 289	1 599	23 451	638 780	18 311	32 445	415 824	1 873 122	1 867 741	3 730 077	126 829
	Multiestablishment companies . . .	1 345	3 253	1 561 443	71 440 611	1 123 870	2 329 880	46 223 034	209 076 668	323 515 014	532 263 374	17 211 328
	Corporate	1 281	3 107	1 501 142	68 707 181	1 082 907	2 246 890	44 663 495	201 298 711	315 418 306	516 255 511	16 682 660
	Noncorporate	64	146	60 301	2 733 430	40 963	82 990	1 559 539	7 777 957	8 096 708	16 007 863	528 668
	Legal form of organization											
	Corporate	9 316	11 142	1 758 563	76 244 308	1 281 461	2 619 355	49 474 806	217 859 472	338 157 480	555 569 056	18 595 651
337	Furniture & related product mfg	19 838	20 738	603 668	14 986 222	484 600	936 574	10 217 032	34 839 134	29 462 249	64 299 098	1 744 608
	Type of company ownership											
	Single-establishment companies . .	18 957	18 957	281 460	6 579 432	222 699	405 329	4 343 973	12 837 278	11 047 297	23 861 731	621 017
	Corporate	12 668	12 668	246 292	5 906 996	193 769	359 521	3 863 750	11 438 462	9 865 020	21 288 331	547 984
	Noncorporate	6 289	6 289	35 168	672 436	28 930	45 808	480 223	1 398 816	1 182 277	3 300 403	73 033
	Multiestablishment companies . . .	881	1 781	322 208	8 406 790	261 901	531 245	5 873 059	22 001 856	18 414 952	40 437 367	1 123 591
	Corporate	825	1 680	308 811	8 085 140	251 158	509 975	5 651 437	21 060 223	17 593 416	38 670 910	1 071 559
	Noncorporate	56	101	13 397	321 650	10 743	21 270	221 622	941 633	821 536	1 766 457	52 032
	Legal form of organization											
	Corporate	13 493	14 348	555 103	13 992 136	444 927	869 496	9 515 187	32 498 685	27 458 436	59 959 241	1 619 543

Table 3–3. Industry Statistics for Subsectors by Type of Company Ownership and Legal Form of Organization: 1997—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry, type of company ownership, and legal form of organization	Com-panies ¹	All estab-lish-ments ²	All employees		Production workers				Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expendi-tures (\$1,000)
				Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)	Value added by manufacture (\$1,000)			
339	Miscellaneous mfg	30 335	31 476	725 396	21 618 204	492 558	938 191	10 970 663	61 452 548	38 263 345	99 729 798	3 432 599
	Type of company ownership											
	Single-establishment companies .	28 912	28 912	344 796	9 196 216	239 810	428 998	4 814 250	21 141 963	14 755 592	35 828 611	1 070 798
	Corporate	20 915	20 915	306 778	8 363 148	211 878	384 949	4 339 812	19 121 796	13 415 807	32 467 569	957 577
	Noncorporate	7 997	7 997	38 018	833 068	27 932	44 049	474 438	2 020 167	1 339 785	3 361 042	113 221
	Multiestablishment companies . . .	1 423	2 564	380 600	12 421 988	252 748	509 193	6 156 413	40 310 585	23 507 753	63 901 187	2 361 801
	Corporate	1 353	2 449	366 860	11 976 318	243 264	488 011	5 943 270	38 919 388	22 530 208	61 527 644	2 283 095
	Noncorporate	70	115	13 740	445 670	9 484	21 182	213 143	1 391 197	977 545	2 373 543	78 706
	Legal form of organization											
	Corporate	22 268	23 364	673 638	20 339 466	455 142	872 960	10 283 082	58 041 184	35 946 015	93 995 213	3 240 672
	Noncorporate	8 067	8 112	51 758	1 278 738	37 416	65 231	687 581	3 411 364	2 317 330	5 734 585	191 927
	Individual proprietorships	6 296	6 300	19 987	372 666	15 105	21 462	221 405	905 048	556 745	1 465 915	40 552
	Partnerships	1 220	1 234	17 481	508 916	12 701	25 517	261 751	1 452 775	1 010 385	2 475 403	84 325
	Other and unknown	551	578	14 290	397 156	9 610	18 252	204 425	1 053 541	750 200	1 793 267	67 050

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.
²Includes establishments with payroll at any time during the year.

Appendix A.

Explanation of Terms

BEGINNING- AND END-OF-YEAR INVENTORIES

Respondents were asked to report their beginning-of-year and end-of-year inventories at cost or market. Effective with the 1982 Economic Census, this change to a uniform instruction for reporting inventories was introduced for all sector reports. Prior to 1982, respondents were permitted to value inventories using any generally accepted accounting method (FIFO, LIFO, market, to name a few). Beginning in 1982, LIFO users were asked to first report inventory values prior to the LIFO adjustment and then to report the LIFO reserve and the LIFO value after adjustment for the reserve.

Inventory Data by Stage of Fabrication

Total inventories and three detailed components (1) finished goods, (2) work-in-process, and (3) materials, supplies, fuels, etc., were collected.

When using inventory data by stage of fabrication for “all industries” and at the three-digit subsector level, it should be noted that an item treated as a finished product by an establishment in one industry may be reported as a raw material by an establishment in a different industry. For example, the finished-product inventories of a steel mill would be reported as raw materials by a stamping plant. Such differences are present in the inventory figures by stage of fabrication shown for all publication levels.

COST OF MATERIALS

This term refers to direct charges actually paid or payable for items consumed or put into production during the year, including freight charges and other direct charges incurred by the establishment in acquiring these materials. It includes the cost of materials or fuel consumed, whether purchased by the individual establishment from other companies, transferred to it from other establishments of the same company, or withdrawn from inventory during the year.

Included in this item are:

1. Cost of parts, components, containers, etc.—Includes all raw materials, semifinished goods, parts, containers, scrap, and supplies put into production or used as operating supplies and for repair and maintenance during the year.
2. Cost of products bought and sold in the same condition.

3. Cost of fuels consumed for heat and power—Includes the cost of materials or fuel consumed, whether purchased by the individual establishment from other companies, transferred to it from other establishments of the same company, or withdrawn from inventory during the year.
4. Cost of purchased electricity—The cost of purchased electric energy represents the amount actually used during the year for heat and power. In addition, information was collected on the quantity of electric energy generated by the establishment and the quantity of electric energy sold or transferred to other plants of the same company.
5. Cost of contract work—This term applies to work done by others on materials furnished by the manufacturing establishment. The actual cost of the material is to be reported on the cost of materials, parts, and containers line of this item. The term “Contract Work” refers to the fee a company pays to another company to perform a service.

COST OF PURCHASED SERVICES

Annual Survey of Manufactures (ASM) establishments were requested to provide information on the cost of purchased services for the repair of buildings and other structures, the repair of machinery, communication services, legal services, accounting and bookkeeping services, advertising, software and other data processing services, and refuse removal. Each of these items reflects the costs paid directly by the establishment and excludes salaries paid to employees of the establishment for these services.

Included in the cost of purchased services for the repair of buildings and machinery are payments made for all maintenance and repair work on buildings and equipment. Payments made to other establishments of the same company and for repair and maintenance of any leased property also are included. Extensive repairs or reconstruction that was capitalized is considered capital expenditures and is, therefore, excluded from this item. Repair and maintenance costs provided by an owner as part of a rental contract or incurred directly by an establishment in using its own work force also are excluded.

Included in the cost of purchased advertising services are payments for printing, media coverage, and other advertising services and materials.

Included in the cost of purchased software and other data processing services are all purchases by the establishment from other companies. Excluded are services provided by other establishments of the same company (such as by a separate data processing unit).

Included in the cost of purchased refuse removal services are all costs of refuse removal services paid by the establishment, including costs for hazardous waste removal or treatment. Excluded are all costs included in rental payments or as capital expenditures.

Response Coverage Ratio

A response coverage ratio is a measure of the extent to which respondents report for an item. The estimate is made by calculating the ratio value of the weighted total employment data for all the ASM establishments that report the item to the weighted total employment data for all ASM establishments classified in an industry (reporters and non-reporters).

DEPRECIATION CHARGES FOR FIXED ASSETS

This item includes depreciation and amortization charged during the year against assets. Depreciation charged against fixed assets acquired since the beginning of the year and against assets sold or retired during the year are components of this category. Respondents were requested to make certain that they did not report accumulated depreciation.

EMPLOYEES

This item includes all full-time and part-time employees on the payrolls of operating manufacturing establishments during any part of the pay period which included the 12th of the months specified on the report form. Included are all persons on paid sick leave, paid holidays, and paid vacations during these pay periods. Officers of corporations are included as employees; proprietors and partners of unincorporated firms are excluded. The "all employees" number is the average number of production workers plus the number of other employees in mid-March. The number of production workers is the average for the payroll periods including the 12th of March, May, August, and November.

Production Workers

This item includes workers (up through the line-supervisor level) engaged in fabricating, processing, assembling, inspecting, receiving, storing, handling, packing, warehousing, shipping (but not delivering), maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (e.g., power plant), recordkeeping, and other services closely associated with these production operations at the establishment covered by the report. Employees above the working-supervisor level are excluded from this item.

All Other Employees

This item covers nonproduction employees of the manufacturing establishment including those engaged in factory supervision above the line-supervisor level. It includes sales (including driver-salespersons), sales delivery (highway truck drivers and their helpers), advertising, credit, collection, installation and servicing of own products, clerical and routine office functions, executive, purchasing, financing, legal, personnel (including cafeteria, medical, etc.), professional, and technical employees. Also included are employees on the payroll of the manufacturing establishment engaged in the construction of major additions or alterations utilized as a separate work force.

FRINGE BENEFITS

Fringe benefits are divided into legally required expenditures and payments for voluntary programs. The legally required portion consists primarily of Federal old age and survivors' insurance, unemployment compensation, and workers' compensation. Payments for voluntary programs include all programs not specifically required by legislation whether they were employer initiated or the result of collective bargaining. They include the employer portion of such plans as insurance premiums, premiums for supplemental accident and sickness insurance, pension plans, supplemental unemployment compensation, welfare plans, stock purchase plans on which the employer payment is not subject to withholding tax, and deferred profit-sharing plans. They exclude such items as company-operated cafeterias, in-plant medical services, free parking lots, discounts on employee purchases, and uniforms and work clothing for employees.

GROSS BOOK VALUE OF DEPRECIABLE ASSETS AT BEGINNING OF YEAR (BOY) AND END OF YEAR (EOY)

Total value of depreciable assets is collected on all census forms. It shows the value of depreciable assets for the beginning of year and end of year. The data encompass all fixed depreciable assets on the books of establishments. The values shown (book value) represent the actual cost of assets at the time they were acquired, including all costs incurred in making the assets usable (such as transportation and installation). Included are all buildings, structures, machinery, and equipment (production, office, and transportation equipment) for which depreciation reserves are maintained. Excluded are nondepreciable capital assets including inventories and intangible assets, such as timber and mineral rights.

The definition of fixed depreciable assets is consistent with the definition of capital expenditures. For example, expenditures include actual capital outlays during the year rather than the final value of equipment put in place and buildings completed during the year. Accordingly, the value of assets at the end of the year includes the value of construction in progress.

In addition, respondents were requested to make certain that assets at the beginning of the year plus capital expenditures, less retirements, equaled assets at the end of the year.

NUMBER OF ESTABLISHMENTS AND COMPANIES

A separate report was required for each manufacturing establishment (plant) with one employee or more. An establishment is defined as a single physical location where manufacturing is performed. A company, on the other hand, is defined as a business organization consisting of one establishment or more under common ownership or control.

If the company operated at different physical locations, even if the individual locations were producing the same line of goods, a separate report was requested for each location. If the company operated in two or more distinct lines of manufacturing at the same location, a separate report was requested for each activity.

An establishment not in operation for any portion of the year was requested to return the report form with the proper notation in the "Operational Status" section of the form. In addition, the establishment was requested to report data on any employees, capital expenditures, inventories, or shipments from inventories during the year.

PAYROLL

This item includes the gross earnings of all employees on the payrolls of operating manufacturing establishments paid in the calendar year. Respondents were told they could follow the definition of payrolls used for calculating the Federal withholding tax. It includes all forms of compensation, such as salaries, wages, commissions, dismissal pay, bonuses, vacation and sick leave pay, and compensation in kind, prior to such deductions as employees' social security contributions, withholding taxes, group insurance, union dues, and savings bonds. The total includes salaries of officers of corporations; it excludes payments to proprietors or partners of unincorporated concerns. Also excluded are payments to members of Armed Forces and pensioners carried on the active payrolls of manufacturing establishments.

The census definition of payrolls is identical to that recommended to all Federal statistical agencies by the Office of Management and Budget. It should be noted that this definition does not include employers' social security contributions or other nonpayroll labor costs, such as employees' pension plans, group insurance premiums, and workers' compensation.

The ASM provides estimates of employers' total supplemental labor costs (those required by Federal and state laws and those incurred voluntarily or as part of collective bargaining agreements).

PRODUCTION-WORKER HOURS

This item covers hours worked or paid for at the plant, including actual overtime hours (not straight-time equivalent hours). It excludes hours paid for vacations, holidays, or sick leave.

QUANTITY OF ELECTRIC ENERGY CONSUMED FOR HEAT AND POWER

Data on the cost of purchased electric energy were collected on all census forms. However, data on the quantity of purchased electric energy were collected only on the Annual Survey of Manufactures (ASM) form. In addition, information is collected on the quantity of electric energy generated by the establishment and the quantity of electric energy sold or transferred to other plants of the same company.

RENTAL PAYMENTS

Total rental payments are collected on all census forms. However, the breakdown between rental payments for buildings and other structures and rental payments for machinery and equipment is collected only on the ASM forms. This item includes rental payments for the use of all items for which depreciation reserves would be maintained if they were owned by the establishment, e.g., structures and buildings, and production, office, and transportation equipment. Excluded are royalties and other payments for the use of intangibles and depletable assets and land rents where separable.

When an establishment of a multiestablishment company was charged rent by another part of the same company for the use of assets owned by the company, it was instructed to exclude that cost from rental payments. However, the book value (original cost) of these company-owned assets was to be reported as assets of the establishment at the end of the year.

If there were assets at an establishment rented from another company and the rents were paid centrally by the head office of the establishment, the company was instructed to report these rental payments as if they were paid directly by the establishment.

RETIREMENTS OF DEPRECIABLE ASSETS

Included in this item is the gross value of assets sold, retired, scrapped, destroyed, etc., during the calendar year. When a complete operation or establishment changed ownership, the respondent was instructed to report the value of the assets sold at the original cost as recorded in the books of the seller. The respondent also was requested to report retirements of equipment or structures owned by a parent company that the establishment was using as if it were a tenant.

TOTAL CAPITAL EXPENDITURES (NEW AND USED)

For establishments in operation and any known plants under construction, manufacturers were asked to report their new and used expenditures for (1) permanent additions and major alterations to manufacturing establishments and (2) machinery and equipment used for replacement and additions to plant capacity if they were of the type for which depreciation accounts were ordinarily maintained.

Totals for expenditures include the costs of assets leased from nonmanufacturing concerns through capital leases. New facilities owned by the Federal Government but operated under contract by private companies and plant and equipment furnished to the manufacturer by communities and nonprofit organizations are excluded. Also excluded are expenditures for land and cost of maintenance and repairs charged as current operating expenses.

For any equipment or structure transferred for the use of the reporting establishment by the parent company or one of its subsidiaries, the value at which it was transferred to the establishment was to be reported. If an establishment changed ownership during the year, the cost of the fixed assets (building and equipment) was to be reported.

VALUE ADDED

This measure of manufacturing activity is derived by subtracting the cost of materials, supplies, containers, fuel, purchased electricity, and contract work from the value of shipments (products manufactured plus receipts for services rendered). The result of this calculation is adjusted by the addition of value added by merchandising operations (i.e., the difference between the sales value and the cost of merchandise sold without further manufacture, processing, or assembly) plus the net change in finished goods and work-in-process between the beginning- and end-of-year inventories.

For those industries where value of production is collected instead of value of shipments, value added is adjusted only for the change in work-in-process inventories between the beginning and end of year. For those industries where value of work done is collected, the value added does not include an adjustment for the change in finished goods or work-in-process inventories.

“Value added” avoids the duplication in the figure for value of shipments that results from the use of products of some establishments as materials by others. Value added is considered to be the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

VALUE OF SHIPMENTS

This item covers the received or receivable net selling values, f.o.b. plant (exclusive of freight and taxes), of all products shipped, both primary and secondary, as well as

all miscellaneous receipts, such as receipts for contract work performed for others, installation and repair, sales of scrap, and sales of products bought and sold without further processing. Included are all items made by or for the establishments from material owned by it, whether sold, transferred to other plants of the same company, or shipped on consignment. The net selling value of products made in one plant on a contract basis from materials owned by another was reported by the plant providing the materials.

In the case of multiunit companies, the manufacturer was requested to report the value of products transferred to other establishments of the same company at full economic or commercial value, including not only the direct cost of production but also a reasonable proportion of “all other costs” (including company overhead) and profit.

In addition to the value for NAICS defined products, aggregates of the following categories of miscellaneous receipts are reported as part of a total establishment’s value of product shipments:

1. Reported contract work—Receipts for work or services that a plant performed for others on their materials.
2. Value of resales—Sales of products brought and sold without further manufacture, processing, or assembly.
3. Other miscellaneous receipts—Such as repair work, installation, sales of scrap, etc.

Industry primary product value of shipments represents one of the three components of value of shipments. These components are:

1. Primary products value of shipments.
2. Secondary product value of shipments.
3. Total miscellaneous receipts.

Primary product shipments is used in the calculations of industry specialization ratio and industry coverage ratio. The term “Value of primary products shipments made in this industry” is used in this publication and refers to the same data.

Duplication in Cost of Materials and Value of Shipment

The aggregate of the cost of materials and value of shipments figures for industry groups and for all manufacturing industries includes large amounts of duplication since the products of some industries are used as materials by others. This duplication results, in part, from the addition of related industries representing successive stages in the production of a finished manufactured product. Examples are the addition of flour mills to bakeries in the food group and the addition of pulp mills to paper mills in the paper and allied products group of industries. Estimates of the overall extent of this duplication indicate that the value of manufactured products exclusive of such

duplication (the value of finished manufactures) tends to approximate two-thirds of the total value of products reported in the annual survey.

Duplication of products within individual industries is significant within a number of industry groups, e.g., machinery and transportation industries. These industries frequently include complete machinery and their parts. In this case, the parts made for original equipment are materials consumed for assembly plants in the same industry.

Even when no significant amount of duplication is involved, value of shipments figures are deficient as measures of the relative economic importance of individual

manufacturing industries or geographic areas because of the wide variation in ratio of materials, labor, and other processing costs of value of shipments, both among industries and within the same industry.

Before 1962, cost of materials and value of shipments were not published for some industries which included considerable duplication. Since then, these data have been published for all industries at the U.S. level and beginning in 1964, for all geographic levels.

Appendix B.

NAICS Codes, Titles, and Descriptions

311 Food Manufacturing

Industries in the Food Manufacturing subsector transform livestock and agricultural products into products for intermediate or final consumption. The industry groups are distinguished by the raw materials (generally of animal or vegetable origin) processed into food products.

The food products manufactured in these establishments are typically sold to wholesalers or retailers for distribution to consumers, but establishments primarily engaged in retailing bakery and candy products made on the premises not for immediate consumption are included.

Establishments primarily engaged in manufacturing beverages are classified in Subsector 312, Beverage and Tobacco Product Manufacturing.

3111 Animal Food Manufacturing

311111 Dog and Cat Food Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing dog and cat food from ingredients, such as grains, oilseed mill products, and meat products.

311119 Other Animal Food Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing animal food (except dog and cat) from ingredients, such as grains, oilseed mill products, and meat products.

3112 Grain and Oilseed Milling

311211 Flour Milling

This U.S. industry comprises establishments primarily engaged in (1) milling flour or meal from grains (except rice) or vegetables and/or (2) milling flour and preparing flour mixes or doughs.

311212 Rice Milling

This U.S. industry comprises establishments primarily engaged in one of the following: (1) milling rice; (2) cleaning and polishing rice; or (3) milling, cleaning, and polishing rice. The establishments in this industry may package the rice they mill with other ingredients.

311213 Malt Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing malt from barley, rye, or other grains.

311221 Wet Corn Milling

This U.S. industry comprises establishments primarily engaged in wet milling corn and other vegetables (except to make ethyl alcohol). Examples of products made in these establishments are corn sweeteners, such as glucose, dextrose, and fructose; corn oil; and starches (except laundry).

311222 Soybean Processing

This U.S. industry comprises establishments engaged in crushing soybeans. Examples of products produced in these establishments are soybean oil, soybean cake and meal, and soybean protein isolates and concentrates.

311223 Other Oilseed Processing

This U.S. industry comprises establishments engaged in crushing oilseeds (except soybeans) and tree nuts, such as cottonseeds, linseeds, peanuts, and sunflower seeds.

311225 Fats and Oils Refining and Blending

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing shortening and margarine from purchased fats and oils; (2) refining and/or blending vegetable, oilseed, and tree nut oils from purchased oils; and (3) blending purchased animal fats with purchased vegetable fats.

311230 Breakfast Cereal Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing breakfast cereal foods.

3113 Sugar and Confectionery Product Manufacturing

311311 Sugarcane Mills

This U.S. industry comprises establishments primarily engaged in processing sugarcane.

311312 Cane Sugar Refining

This U.S. industry comprises establishments primarily engaged in refining cane sugar from raw cane sugar.

311313 Beet Sugar Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing refined beet sugar from sugarbeets.

311320 Chocolate and Confectionery Manufacturing From Cacao Beans

This U.S. industry comprises establishments primarily engaged in shelling, roasting, and grinding cacao beans and making chocolate cacao products and chocolate confectioneries.

311330 Confectionery Manufacturing From Purchased Chocolate

This U.S. industry comprises establishments primarily engaged in manufacturing chocolate confectioneries from chocolate produced elsewhere. Included in this industry are establishments primarily engaged in retailing chocolate confectionery products not for immediate consumption made on the premises from chocolate made elsewhere.

311340 Nonchocolate Confectionery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing nonchocolate confectioneries. Included in this industry are establishments primarily engaged in retailing nonchocolate confectionery products not for immediate consumption made on the premises.

311411 Frozen Fruit, Juice, and Vegetable Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing frozen fruits; frozen vegetables; and frozen fruit juices, –ades, drinks, cocktail mixes and concentrates.

311412 Frozen Specialty Food Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing frozen specialty foods (except seafood), such as frozen dinners, entrees, and side dishes; frozen pizza; frozen whipped topping; and frozen waffles, pancakes, and french toast.

311421 Fruit and Vegetable Canning

This U.S. industry comprises establishments primarily engaged in manufacturing canned, pickled, and brined fruits and vegetables. Examples of products made in these establishments are canned juices; canned jams and jellies; canned tomato-based sauces, such as catsup, salsa, chili, spaghetti, barbeque, and tomato paste; pickles, relishes, and sauerkraut.

311422 Specialty Canning

This U.S. industry comprises establishments primarily engaged in manufacturing canned specialty foods. Examples of products made in these establishments are canned baby food, canned baked beans, canned soups (except seafood), canned spaghetti, and other canned nationality foods.

311423 Dried and Dehydrated Food Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) drying (including freeze-dried) and/or dehydrating fruits, vegetables, and soup mixes and bouillon and/or (2) drying and/or dehydrating ingredients and packaging them with other purchased ingredients, such as rice and dry pasta.

311511 Fluid Milk Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing processed milk products, such as pasteurized milk or cream and sour cream and/or (2) manufacturing fluid milk dairy substitutes from soybeans and other nondairy substances.

311512 Creamery Butter Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing creamery butter from milk and/or processed milk products.

311513 Cheese Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing cheese products (except cottage cheese) from raw milk and/or processed milk products and/or (2) manufacturing cheese substitutes from soybean and other nondairy substances.

311514 Dry, Condensed, and Evaporated Dairy Product Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing dry, condensed, and evaporated milk and dairy substitute products.

311520 Ice Cream and Frozen Dessert Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing ice cream, frozen yogurts, frozen ices, sherbets, frozen tofu, and other frozen desserts (except bakery products).

3116 Meat Product Manufacturing

311611 Animal (Except Poultry) Slaughtering

This U.S. industry comprises establishments primarily engaged in slaughtering animals (except poultry and small game). Establishments that slaughter and prepare meats are included in this industry.

311612 Meat Processed From Carcasses

This U.S. industry comprises establishments primarily engaged in processing or preserving meat and meat byproducts (except poultry and small game) from purchased meats. This industry includes establishments primarily engaged in assembly cutting and packing of meats (i.e., boxed meats) from purchased meats.

311613 Rendering and Meat Byproduct Processing

This U.S. industry comprises establishments primarily engaged in rendering animal fat, bones, and meat scraps.

311615 Poultry Processing

This U.S. industry comprises establishments primarily engaged in (1) slaughtering poultry and small game and/or (2) preparing processed poultry and small game meat and meat byproducts.

3117 Seafood Product Preparation and Packaging

311711 Seafood Canning

This U.S. industry comprises establishments primarily engaged in (1) canning seafood (including soup) and marine fats and oils and/or (2) smoking, salting, and drying seafoods. Establishments known as “floating factory ships” that are engaged in the gathering and processing of seafood into canned seafood products are included in this industry.

311712 Fresh and Frozen Seafood Processing

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) eviscerating fresh fish by removing heads, fins, scales, bones, and entrails; (2) shucking and packing fresh shellfish; (3) manufacturing frozen seafood; and (4) processing fresh and frozen marine fats and oils.

3118 Bakeries and Tortilla Manufacturing

311811 Retail Bakeries

This U.S. industry comprises establishments primarily engaged in retailing bread and other bakery products not for immediate consumption made on the premises from flour, not from prepared dough.

311812 Commercial Bakeries

This U.S. industry comprises establishments primarily engaged in manufacturing fresh and frozen bread and bread-type rolls and other fresh bakery (except cookies and crackers) products.

311813 Frozen Cakes, Pies, and Other Pastries Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing frozen bakery products (except bread), such as cakes, pies, and doughnuts.

311821 Cookie and Cracker Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing cookies, crackers, and other products, such as ice cream cones.

311822 Flour Mixes and Dough Manufacturing From Purchased Flour

This U.S. industry comprises establishments primarily engaged in manufacturing prepared flour mixes or dough mixes from flour ground elsewhere.

311823 Dry Pasta Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing dry pasta. The establishments in this industry may package the dry pasta they manufacture with other ingredients.

311830 Tortilla Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing tortillas.

3119 Other Food Manufacturing

311911 Roasted Nuts and Peanut Butter Manufacturing

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) salting, roasting, drying, cooking, or canning nuts; (2) processing grains or seeds into snacks; and (3) manufacturing peanut butter.

311919 Other Snack Food Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing snack foods (except roasted nuts and peanut butter).

311920 Coffee and Tea Manufacturing

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) roasting coffee; (2) manufacturing coffee and tea concentrates (including instant and freeze-dried); (3) blending tea; (4) manufacturing herbal tea; and (5) manufacturing coffee extracts, flavorings, and syrups.

311930 Flavoring Syrup and Concentrate Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing flavoring syrup drink concentrates and related products for soda fountain use or for the manufacture of soft drinks.

311941 Mayonnaise, Dressing, and Other Prepared Sauce Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing mayonnaise, salad dressing, vinegar, mustard, horseradish, soy sauce, tarter sauce, Worcestershire sauce, and other prepared sauces (except tomato-based and gravy).

311942 Spice and Extract Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing spices, table salt, seasonings, flavoring extracts (except coffee and meat), and natural food colorings and/or (2) manufacturing dry mix food preparations, such as salad dressing mixes, gravy and sauce mixes, frosting mixes, and other dry mix preparations.

311991 Perishable Prepared Food Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing perishable prepared foods, such as salads, sandwiches, prepared meals, fresh pizza, fresh pasta, and peeled or cut vegetables.

311999 All Other Miscellaneous Food Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing food (except animal food; grain and oilseed milling; sugar and confectionery products; preserved fruits, vegetables, and specialties; dairy products; meat products; seafood products; bakeries and tortillas; snack foods; coffee and tea; flavoring syrups and concentrates; seasonings and dressings; and perishable prepared food). Included in this industry are establishments primarily engaged in mixing purchased dried and/or dehydrated ingredients including those mixing purchased dried and/or dehydrated ingredients for soup mixes and bouillon.

312 Beverage and Tobacco Product Manufacturing

Industries in the Beverage and Tobacco Product Manufacturing subsector manufacture beverages and tobacco products. The industry group, Beverage Manufacturing, includes three types of establishments: (1) those that manufacture nonalcoholic beverages; (2) those that manufacture alcoholic beverages through the fermentation process; and (3) those that produce distilled alcoholic beverages. Ice manufacturing, while not a beverage, is included with nonalcoholic beverage manufacturing because it uses the same production process as water purification.

In the case of activities related to the manufacture of beverages, the structure follows the defined productive processes. Brandy, a distilled beverage, was not placed under distillery product manufacturing, but rather under the NAICS class for winery product manufacturing since the productive process used in the manufacturing of alcoholic grape-based beverages produces both wines (fermented beverage) and brandies (distilled beverage).

The industry group, Tobacco Manufacturing, includes two types of establishments: (1) those engaged in redrying and stemming tobacco and (2) those that manufacture tobacco products, such as cigarettes and cigars.

3121 Beverage Manufacturing

312111 Soft Drink Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing soft drinks and artificially carbonated waters.

312112 Bottled Water Manufacturing

This U.S. industry comprises establishments primarily engaged in purifying and bottling water (including naturally carbonated).

312113 Ice Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing ice.

312120 Breweries

This U.S. industry comprises establishments primarily engaged in brewing beer, ale, malt liquors, and nonalcoholic beer.

312130 Wineries

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) growing grapes and manufacturing wine and brandies; (2) manufacturing wine and brandies from grapes and other fruits grown elsewhere; and (3) blending wines and brandies.

312140 Distilleries

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) distilling potable liquors (except brandies); (2) distilling and blending liquors; and (3) blending and mixing liquors and other ingredients.

3122 Tobacco Manufacturing

312210 Tobacco Stemming and Redrying

This U.S. industry comprises establishments primarily engaged in the stemming and redrying of tobacco.

312221 Cigarette Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing cigarettes.

312229 Other Tobacco Product Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing tobacco products (except cigarettes).

313 Textile Mills

Industries in the Textile Mills subsector group establishments that transform a basic fiber (natural or synthetic) into a product, such as yarn or fabric, that is further

manufactured into usable items, such as apparel, sheets and towels, and textile bags for individual or industrial consumption. The further manufacturing may be performed in the same establishment and classified in this subsector, or it may be performed at a separate establishment and be classified elsewhere in manufacturing.

The main processes in this subsector include preparation and spinning of fiber, knitting or weaving of fabric, and the finishing of the textile. The NAICS structure follows and captures this process flow. Major industries in this flow, such as preparation of fibers, weaving of fabric, knitting of fabric, and fiber and fabric finishing, are uniquely identified. Texturizing, throwing, twisting, and winding of yarn contains aspects of both fiber preparation and fiber finishing and is classified with preparation of fibers rather than with finishing of fibers.

NAICS separates the manufacturing of primary textiles and the manufacturing of textile products (except apparel) when the textile product is produced from purchased primary textiles, such as fabric. The manufacturing of textile products (except apparel) from purchased fabric is classified in Subsector 314, Textile Product Mills, and apparel from purchased fabric is classified in Subsector 315, Apparel Manufacturing.

Excluded from this subsector are establishments that weave or knit fabric and make garments. These establishments are included in Subsector 315, Apparel Manufacturing.

3131 Fiber, Yarn, and Thread Mills

This NAICS industry group includes establishments classified in NAICS Industry 31311, Fiber, Yarn, and Thread Mills.

313111 Yarn Spinning Mills

This U.S. industry comprises establishments primarily engaged in spinning yarn from any fiber and/or producing hemp yarn and further processing into rope or bags.

313112 Yarn Texturizing, Throwing, and Twisting Mills

This U.S. industry comprises establishments primarily engaged in texturizing, throwing, twisting, spooling, or winding purchased yarns or manmade fiber filaments.

313113 Thread Mills

This U.S. industry comprises establishments primarily engaged in manufacturing thread (e.g., sewing, hand-knitting, crochet) of all fibers.

3132 Fabric Mills

313210 Broadwoven Fabric Mills

This U.S. industry comprises establishments primarily engaged in weaving broadwoven fabrics and felts (except tire fabrics and rugs). Establishments in this industry may weave only, weave and finish, or weave, finish, and further fabricate fabric products.

313221 Narrow Fabric Mills

This U.S. industry comprises establishments primarily engaged in (1) weaving or braiding narrow fabrics in their final form or initially made in wider widths that are specially constructed for narrower widths and/or (2) making fabric-covered elastic yarn and thread. Establishments in this industry may weave only; weave and finish; or weave, finish, and further fabricate fabric products.

313222 Schiffli Machine Embroidery

This U.S. industry comprises establishments primarily engaged in manufacturing Schiffli machine embroideries.

313230 Nonwoven Fabric Mills

This U.S. industry comprises establishments primarily engaged in manufacturing nonwoven fabrics and felts. Processes used include bonding and/or interlocking fibers by mechanical, chemical, thermal, or solvent means, or by combinations thereof.

313241 Weft Knit Fabric Mills

This U.S. industry comprises establishments primarily engaged in knitting weft (i.e., circular) fabric or knitting and finishing weft fabric. Establishments in this industry may knit only; knit and finish; or knit, finish, and further fabricate fabric products (except apparel).

313249 Other Knit Fabric and Lace Mills

This U.S. industry comprises establishments primarily engaged in one of the following: (1) knitting warp (i.e., flat) fabric; (2) knitting and finishing warp fabric; (3) manufacturing lace; or (4) manufacturing, dyeing, or finishing lace and lace goods. Establishments in this industry may knit only; knit and finish; or knit, finish, and further fabricate fabric products (except apparel).

313311 Broadwoven Fabric Finishing Mills

This U.S. industry comprises (1) establishments primarily engaged in finishing broadwoven fabrics and (2) establishments of converters who buy broadwoven fabrics in the grey, have them finished on contract, and sell at wholesale. Finishing operations include bleaching, dyeing, printing (e.g., roller, screen, flock, plisse), and other mechanical finishing, such as preshrinking, shrinking, sponging, calendering, mercerizing and napping.

313312 Textile and Fabric Finishing (Except Broadwoven Fabric) Mills

This U.S. industry comprises (1) establishments primarily engaged in dyeing, bleaching, printing, and other finishing of textiles, apparel, and fabrics (except broadwoven) and (2) establishments of converters who buy

fabrics (except broadwoven) in the grey, have them finished on contract, and sell at wholesale. Finishing operations include bleaching, dyeing, printing (e.g., roller, screen, flock, plisse), stonewashing, and other mechanical finishing, such as preshrinking, shrinking, sponging, calendering, mercerizing and napping; as well as cleaning, scouring, and the preparation of natural fibers and raw stock.

313320 Fabric Coating Mills

This U.S. industry comprises establishments primarily engaged in coating, laminating, varnishing, waxing, and rubberizing textiles and apparel.

314 Textile Product Mills

Industries in the Textile Product Mills subsector group establishments that made textile products (except apparel). With a few exceptions, processes used in these industries are generally cut and sew (i.e., purchasing fabric and cutting and sewing to make nonapparel textile products, such as sheets and towels).

3141 Textile Furnishings Mills

314110 Carpet and Rug Mills

This U.S. industry comprises establishments primarily engaged in (1) manufacturing woven, tufted, and other carpets and rugs, such as art squares, floor mattings, needlepunch carpeting, and door mats and mattings, from textile materials or from twisted paper, grasses, reeds, sisal, jute, or rags and/or (2) finishing carpets and rugs.

314121 Curtain and Drapery Mills

This U.S. industry comprises establishments primarily engaged in manufacturing window curtains and draperies from purchased fabrics or sheet goods. The curtains and draperies may be made on a stock or custom basis for sale to individual retail customers.

314129 Other Household Textile Product Mills

This U.S. industry comprises establishments primarily engaged in manufacturing household textile products (except window curtains and draperies), such as bedspreads, sheets, tablecloths, towels, and shower curtains, from purchased materials.

3149 Other Textile Product Mills

314911 TEXTILE BAG MILLS

This U.S. industry comprises establishments primarily engaged in manufacturing bags from purchased textile fabrics or yarns.

314912 Canvas and Related Product Mills

This U.S. industry comprises establishments primarily engaged in manufacturing canvas and canvas-like products, such as awnings, sails, tarpaulins, and tents, from purchased fabrics.

314991 Rope, Cordage, and Twine Mills

This U.S. industry comprises establishments primarily engaged in manufacturing rope, cable, cordage, twine, and related products from all materials (e.g., abaca, sisal, henequen, hemp, cotton, paper, jute, flax, manmade fibers including glass).

314992 Tire Cord and Tire Fabric Mills

This U.S. industry comprises establishments primarily engaged in manufacturing cord and fabric of polyester, rayon, cotton, glass, steel, or other materials for use in reinforcing rubber tires, industrial belting, and similar uses.

314999 All Other Miscellaneous Textile Product Mills

This U.S. industry comprises establishments primarily engaged in manufacturing textile products (except carpets and rugs; curtains and linens; textile bags and canvas products; rope, cordage, and twine; and tire cord and tire fabrics) from purchased materials.

315 Apparel Manufacturing

Industries in the Apparel Manufacturing subsector group establishments with two distinct manufacturing processes: (1) cut and sew (i.e., purchasing fabric and cutting and sewing to make a garment) and (2) the manufacture of garments in establishments that first knit fabric and then cut and sew the fabric into a garment. The Apparel Manufacturing subsector includes a diverse range of establishments manufacturing full lines of ready-to-wear apparel and custom apparel: apparel contractors, performing cutting or sewing operations on materials owned by others; jobbers performing entrepreneurial functions involved in apparel manufacture; and tailors, manufacturing custom garments for individual clients are all included. Knitting, when done alone, is classified in the Textile Mills subsector, but when knitting is combined with the production of complete garments, the activity is classified in Apparel Manufacturing.

3151 Apparel Knitting Mills

315111 Sheer Hosiery Mills

This U.S. industry comprises establishments primarily engaged in knitting or knitting and finishing women's, misses', and girls' full-length and knee-length sheer hosiery (except socks).

315119 Other Hosiery and Sock Mills

This U.S. industry comprises establishments primarily engaged in knitting or knitting and finishing hosiery (except women's, misses', and girls' sheer hosiery).

315191 Outerwear Knitting Mills

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) knitting outerwear; (2) knitting fabric and manufacturing outerwear; and (3) knitting, manufacturing, and finishing knit outerwear. Examples of products made in knit outerwear mills are shirts, shorts, sweat suits, sweaters, gloves, and pants.

315192 Underwear and Nightwear Knitting Mills

This U.S. industry comprises establishments primarily engaged in one of the following: (1) knitting underwear and nightwear; (2) knitting fabric and manufacturing underwear and nightwear; or (3) knitting, manufacturing, and finishing knit underwear and nightwear. Examples of products produced in underwear and nightwear knitting mills are briefs, underwear T-shirts, pajamas, nightshirts, foundation garments, and panties.

315211 Men's and Boys' Cut and Sew Apparel Contractors

This U.S. industry comprises establishments commonly referred to as contractors primarily engaged in (1) cutting materials owned by others for men's and boys' apparel and/or (2) sewing materials owned by others for men's and boys' apparel.

315212 Women's, Girls', and Infants' Cut and Sew Apparel Contractors

This U.S. industry comprises establishments commonly referred to as contractors primarily engaged in (1) cutting materials owned by others for women's, girls', and infants' apparel and accessories and/or (2) sewing materials owned by others for women's, girls', and infants' apparel and accessories.

315221 Men's and Boys' Cut and Sew Underwear and Nightwear Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing men's and boys' underwear and nightwear from purchased fabric. Men's and boys' underwear and nightwear jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included. Examples of products made by these establishments are briefs, bathrobes, underwear T-shirts and shorts, nightshirts, and pajamas.

315222 Men's and Boys' Cut and Sew Suit, Coat, and Overcoat Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing men's and boys' suits, overcoats, sport coats, tuxedos, dress uniforms, and other tailored apparel (except fur and leather) from purchased fabric. Men's and boys' suit, coat, and overcoat jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included.

315223 Men's and Boys' Cut and Sew Shirt (Except Work Shirt) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing men's and boys' outerwear shirts from purchased fabric. Men's and boys' shirt (except work shirt) jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included. Unisex outerwear shirts, such as T-shirts and sweatshirts that are sized without specific reference to gender (i.e., adult S, M, L, XL) are included in this industry.

315224 Men's and Boys' Cut and Sew Trouser, Slack, and Jean Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing men's and boys' jeans, dungarees, and other separate trousers and slacks (except work pants) from purchased fabric. Men's and boys' trouser, slack, and jean jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included.

315225 Men's and Boys' Cut and Sew Work Clothing Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing men's and boys' work shirts, work pants (excluding jeans and dungarees), other work clothing, and washable service apparel from purchased fabric. Men's and boys' work clothing jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included. Examples of products made by these establishments are washable service apparel, laboratory coats, work shirts, work pants (except jeans and dungarees), and hospital apparel.

315228 Men's and Boys' Cut and Sew Other Outerwear Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing men's and boys' cut and sew outerwear from purchased fabric (except underwear, nightwear, shirts, suits, overcoats and tailored coats, separate trousers and slacks, and work clothing). Men's and boys' other outerwear jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included. Unisex sweatpants and similar garments that are sized without specific reference to gender (i.e., adult S, M, L, XL) are also included in this industry. Examples of products made by these establishments are athletic clothing (except athletic uniforms), bathing suits, down coats, outerwear shorts, windbreakers and jackets, and jogging suits.

315231 Women's and Girls' Cut and Sew Lingerie, Loungewear, and Nightwear Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing women's and girls' bras, girdles, and other underwear; lingerie; loungewear; and nightwear from purchased fabric. Women's and girls' lingerie, loungewear, and nightwear jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included. Examples of products made by these establishments are bathrobes, foundation garments, nightgowns, pajamas, panties, and slips.

315232 Women's and Girls' Cut and Sew Blouse and Shirt Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing women's and girls' blouses and shirts from purchased fabric. Women's and girls' blouse and shirt jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included.

315233 Women's and Girls' Cut and Sew Dress Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing women's and girls' dresses from purchased fabric. Women's and girls' dress jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included.

315234 Women's and Girls' Cut and Sew Suit, Coat, Tailored Jacket, and Skirt Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing women's and girls' suits, pantsuits, skirts, tailored jackets, vests, raincoats, and other tailored coats, (except fur and leather coats) from purchased fabric. Women's and girls' suit, coat, tailored jacket, and skirt jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included.

315239 Women's and Girls' Cut and Sew Other Outerwear Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing women's and girls' cut and sew apparel from purchased fabric (except underwear, lingerie, nightwear, blouses, shirts, dresses, suits, tailored coats, tailored jackets, and skirts). Women's and girls' other outerwear clothing jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included. Examples of products made by these establishments are bathing suits, down coats, sweaters, jogging suits, outerwear pants and shorts, and windbreakers.

315291 Infants' Cut and Sew Apparel Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing infants' dresses, blouses, shirts, and all other infants' wear from purchased fabric. Infants' clothing jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included. For the purposes of classification, the term "infants' apparel" includes apparel for young children of an age not exceeding 24 months.

315292 Fur and Leather Apparel Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing cut and sew fur and leather apparel, and sheep-lined clothing. Fur and leather apparel jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included.

315299 All Other Cut and Sew Apparel Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing cut and sew apparel from purchased fabric (except cut and sew apparel contractors; men's and boys' cut and sew underwear, nightwear, suits, coats, shirts, trousers, work clothing, and other outerwear; women's and girls' lingerie, blouses, shirts, dresses, suits, coats, and other outerwear; infants' apparel; and fur and leather apparel). Clothing jobbers for these products, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel, are included. Examples of products made by these establishments are team athletic uniforms, band uniforms, academic caps and gowns, clerical vestments, and costumes.

3159 Apparel Accessories and Other Apparel Manufacturing

315991 Hat, Cap, and Millinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing cut and sew hats, caps, millinery, and hat bodies from purchased fabric. Jobbers, who perform entrepreneurial functions involved in hat, cap, and millinery manufacture, including buying raw materials, designing and preparing samples, arranging for hats, caps, and millinery to be made from their materials, and marketing finished hats, caps, and millinery, are included.

315992 Glove and Mitten Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing cut and sew gloves (except rubber, metal, and athletic gloves) and mittens from purchased fabric, fur, leather, or from combinations of fabric, fur, or leather. Jobbers, who perform entrepreneurial functions involved in glove and mitten manufacture, including buying raw materials, designing and preparing samples, arranging for gloves and mittens to be made from their materials, and marketing finished gloves and mittens, are included.

315993 Men's and Boys' Neckwear Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing men's and boys' cut and sew neckties, scarves, and mufflers from purchased fabric, leather, or from combinations of leather and fabric. Men's and boys' neckwear jobbers, who perform entrepreneurial functions involved in neckwear manufacture, including buying raw materials, designing and preparing samples, arranging for neckwear to be made from their materials, and marketing finished neckwear, are included.

315999 Other Apparel Accessories and Other Apparel Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing apparel and apparel accessories

(except apparel knitting mills; cut and sew apparel contractors; cut and sew apparel; hats and caps; mittens and gloves; and men's and boys' neckwear). Jobbers for these products, who perform entrepreneurial functions involved in other apparel and accessory manufacture, including buying raw materials, designing and preparing samples, arranging for other apparel and accessories to be made from their materials, and marketing finished other apparel and accessories, are included. Examples of products made by these establishments are apparel trimmings and findings, belts, women's scarves, suspenders, and waterproof outerwear.

316 Leather and Allied Product Manufacturing

Establishments in the Leather and Allied Product Manufacturing subsector transform hides into leather by tanning or curing and fabricating the leather into products for final consumption. It also includes the manufacture of similar products from other materials, including products (except apparel) made from "leather substitutes," such as rubber, plastics, or textiles. Rubber footwear, textile luggage, and plastics purses or wallets are examples of "leather substitute" products included in this group. The products made from leather substitutes are included in this subsector because they are made in similar ways leather products are made (e.g., luggage). They are made in the same establishments, so it is not practical to separate them.

The inclusion of leather making in this subsector is partly because leather tanning is a relatively small industry that has few close neighbors as a production process, partly because leather is an input to some of the other products classified in this subsector and partly for historical reasons.

3161 Leather and Hide Tanning and Finishing

316110 Leather and Hide Tanning and Finishing

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) tanning, currying, and finishing hides and skins; (2) having others process hides and skins on a contract basis; and (3) dyeing or dressing furs.

3162 Footwear Manufacturing

316211 Rubber and Plastics Footwear Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing rubber and plastics footwear with vulcanized rubber or plastics soles, molded or cemented to rubber, plastics, or fabric uppers, and rubber and plastics protective footwear.

316212 House Slipper Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing house slippers and slipper socks, regardless of material.

316213 Men's Footwear (Except Athletic) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing men's footwear designed primarily for dress, street, and work. This industry includes men's shoes with rubber or plastics soles and leather or vinyl uppers.

316214 Women's Footwear (Except Athletic) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing women's footwear designed for dress, street, and work. This industry includes women's shoes with rubber or plastics soles and leather or vinyl uppers.

316219 Other Footwear Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing other footwear (except rubber and plastics footwear; house slippers; men's footwear (except athletic); and women's footwear (except athletic)).

3169 Other Leather and Allied Product Manufacturing

316991 Luggage Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing luggage of any material.

316992 Women's Handbag and Purse Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing women's handbags and purses of any material (except precious metal).

316993 Personal Leather Goods (Except Women's Handbag and Purse) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing personal leather goods (i.e., small articles of any material (except metal) normally carried on or about the person or in a handbag). Examples of personal leather goods made by these establishments are billfolds, coin purses, key cases, toilet kits, and watchbands (except metal).

316999 All Other Leather Goods Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing leather goods (except footwear, luggage, handbags, purses, and personal leather goods).

321 Wood Product Manufacturing

Industries in the Wood Product Manufacturing subsector manufacture wood products, such as lumber, plywood, veneers, wood containers, wood flooring, wood trusses,

manufactured homes (i.e., mobile home), and prefabricated wood buildings. The production processes of the Wood Product Manufacturing subsector include sawing, planing, shaping, laminating, and assembling of wood products starting from logs that are cut into bolts, or lumber that then may be further cut, or shaped by lathes or other shaping tools. The lumber or other transformed wood shapes may also be subsequently planed or smoothed, and assembled into finished products, such as wood containers.

The Wood Product Manufacturing subsector includes establishments that make wood products from logs and bolts that are sawed and shaped, and establishments that purchase sawed lumber and make wood products. With the exception of sawmills and wood preservation establishments, the establishments are grouped into industries mainly based on the specific products manufactured.

3211 Sawmills and Wood Preservation

321113 Sawmills

This U.S. industry comprises establishments primarily engaged in sawing dimension lumber, boards, beams, timbers, poles, ties, shingles, shakes, siding, and wood chips from logs or bolts. Sawmills may plane the rough lumber that they make with a planing machine to achieve smoothness and uniformity of size.

321114 Wood Preservation

This U.S. industry comprises establishments primarily engaged in (1) treating wood sawed, planed, or shaped in other establishments with creosote or other preservatives, such as chromated copper arsenate, to prevent decay and to protect against fire and insects and/or (2) sawing round wood poles, pilings, and posts and treating them with preservatives.

3212 Veneer, Plywood, and Engineered Wood Product Manufacturing

321211 Hardwood Veneer and Plywood Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing hardwood veneer and/or hardwood plywood.

321212 Softwood Veneer and Plywood Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing softwood veneer and/or softwood plywood.

321213 Engineered Wood Member (Except Truss) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing fabricated or laminated wood arches and/or other fabricated or laminated wood structural members.

321214 Truss Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing laminated or fabricated wood roof and floor trusses.

321219 Reconstituted Wood Product Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing reconstituted wood sheets and boards.

3219 Other Wood Product Manufacturing

321911 Wood Window and Door Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing window and door units, sash, window and door frames, and doors from wood or wood clad with metal or plastics.

321912 Cut Stock, Resawing Lumber, and Planing

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing dimension lumber from purchased lumber; (2) manufacturing dimension stock (i.e., shapes) or cut stock; (3) resawing the output of sawmills; and (4) planing purchased lumber. These establishments generally use wood-working machinery, such as jointers, planers, lathes, and routers to shape wood.

321918 Other Millwork (Including Flooring)

This U.S. industry comprises establishments primarily engaged in manufacturing millwork (except wood windows, wood doors, and cut stock).

321920 Wood Container and Pallet Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing wood pallets, wood box shook, wood boxes, other wood containers, and wood parts for pallets and containers.

321991 Manufactured Home (Mobile Home) Manufacturing

This U.S. industry comprises establishments primarily engaged in making manufactured homes (i.e., mobile homes) and nonresidential mobile buildings. Manufactured homes are designed to accept permanent water, sewer, and utility connections and although equipped with wheels, they are not intended for regular highway movement.

321992 Prefabricated Wood Building Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing prefabricated wood buildings and wood sections and panels for prefabricated wood buildings.

321999 All Other Miscellaneous Wood Product Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing wood products (except establishments operating sawmills and preservation facilities; establishments manufacturing veneer, engineered wood products, millwork, wood containers, pallets, and wood container parts; and establishments making manufactured homes (i.e., mobile homes) and prefabricated buildings and components).

322 Paper Manufacturing

Industries in the Paper Manufacturing subsector make pulp, paper, or converted paper products. The manufacturing of these products is grouped together because they constitute a series of vertically connected processes. More than one is often carried out in a single establishment. There are essentially three activities. The manufacturing of pulp involves separating the cellulose fibers from other impurities in wood or used paper. The manufacturing of paper involves matting these fibers into a sheet. Converted paper products are made from paper and other materials by various cutting and shaping techniques and includes coating and laminating activities.

The Paper Manufacturing subsector is subdivided into two industry groups, the first for the manufacturing of pulp and paper and the second for the manufacturing of converted paper products. Paper making is treated as the core activity of the subsector. Therefore, any establishment that makes paper (including paperboard), either alone or in combination with pulp manufacturing or paper converting, is classified as a paper or paperboard mill. Establishments that make pulp without making paper are classified as pulp mills. Pulp mills, paper mills and paperboard mills comprise the first industry group.

Establishments that make products from purchased paper and other materials make up the second industry group, Converted Paper Product Manufacturing. This general activity is then subdivided based, for the most part, on process distinctions. Paperboard container manufacturing uses corrugating, cutting, and shaping machinery to form paperboard into containers. Paper bag and coated and treated paper manufacturing establishments cut and coat paper and foil. Stationery product manufacturing establishments make a variety of paper products used for writing, filing, and similar applications. Other converted paper product manufacturing includes, in particular, the conversion of sanitary paper stock into such things as tissue paper and disposable diapers.

An important process used in the Paper Bag and Coated and Treated Paper Manufacturing industry is lamination, often combined with coating. Lamination and coating makes a composite material with improved properties of strength, impermeability, and so on. The laminated materials may be paper, metal foil, or plastics film. While paper

is often one of the components, it is not always. Lamination of plastics film to plastics film is classified in the NAICS Subsector 326, Plastics and Rubber Products Manufacturing, because establishments that do this often first make the film.

The same situation holds with respect to bags. The manufacturing of bags from plastics only, whether or not laminated, is classified in Subsector 326, Plastics and Rubber Products Manufacturing, but all other bag manufacturing is classified in this subsector.

Excluded from this subsector are photosensitive papers. These papers are chemically treated and are classified in Industry 32599, All Other Chemical Product and Preparation Manufacturing.

3221 Pulp, Paper, and Paperboard Mills

322110 Pulp Mills

This U.S. industry comprises establishments primarily engaged in manufacturing pulp without manufacturing paper or paperboard. The pulp is made by separating the cellulose fibers from the other impurities in wood or other materials, such as used or recycled rags, linters, scrap paper, and straw.

322121 Paper (Except Newsprint) Mills

This U.S. industry comprises establishments primarily engaged in manufacturing paper (except newsprint and uncoated groundwood paper) from pulp. These establishments may manufacture or purchase pulp. In addition, the establishments may also convert the paper they make.

322122 Newsprint Mills

This U.S. industry comprises establishments primarily engaged in manufacturing newsprint and uncoated groundwood paper from pulp. These establishments may manufacture or purchase pulp. In addition, the establishments may also convert the paper they make.

322130 Paperboard Mills

This U.S. industry comprises establishments primarily engaged in manufacturing paperboard from pulp. These establishments may manufacture or purchase pulp. In addition, the establishments may also convert the paperboard they make.

3222 Converted Paper Product Manufacturing

322211 Corrugated and Solid Fiber Box Manufacturing

This U.S. industry comprises establishments primarily engaged in laminating purchased paper or paperboard into corrugated or solid fiber boxes and related products, such as pads, partitions, pallets, and corrugated paper without manufacturing paperboard. These boxes are generally used for shipping.

322212 Folding Paperboard Box Manufacturing

This U.S. industry comprises establishments primarily engaged in converting paperboard (except corrugated) into folding paperboard boxes without manufacturing paper and paperboard.

322213 Setup Paperboard Box Manufacturing

This U.S. industry comprises establishments primarily engaged in converting paperboard into setup paperboard boxes (i.e., rigid-sided boxes not shipped flat) without manufacturing paperboard.

322214 Fiber Can, Tube, Drum, and Similar Products Manufacturing

This U.S. industry comprises establishments primarily engaged in converting paperboard into fiber cans, tubes, drums, and similar products without manufacturing paperboard.

322215 Nonfolding Sanitary Food Container Manufacturing

This U.S. industry comprises establishments primarily engaged in converting sanitary foodboard into food containers (except folding).

322221 Coated and Laminated Packaging Paper and Plastics Film Manufacturing

This U.S. industry comprises establishments primarily engaged in performing one or more of the following activities associated with the manufacturing of packaging materials: (1) cutting and coating paper; and (2) cutting and laminating paper with other flexible materials (except plastics to plastics or foil to paper laminates). The products made in this industry are made from purchased sheet materials and may be printed in the same establishment.

322222 Coated and Laminated Paper Manufacturing

This U.S. industry comprises establishments primarily engaged in performing one or more of the following activities associated with making products designed for purposes other than packaging: (1) cutting and coating paper; (2) cutting and laminating paper and other flexible materials (except plastics film to plastics film); and (3) manufacturing converted aluminum and other metal foils for non-packaging uses from purchased foils. The products made in this industry are made from purchased sheet materials and may be printed in the same establishment.

322223 Plastics, Foil, and Coated Paper Bag Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing bags of coated paper, of metal foil, or of laminated or coated combinations of plastics, foil, and paper, whether or not printed.

322224 Uncoated Paper and Multiwall Bag Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing uncoated paper bags or multi-wall bags and sacks.

322225 Laminated Aluminum Foil Manufacturing for Flexible Packaging Uses

This U.S. industry comprises establishments primarily engaged in laminating aluminum and other metal foil into products with flexible packaging uses or gift wrap and other packaging wrap applications.

322226 Surface-Coated Paperboard Manufacturing

This U.S. industry comprises establishments primarily engaged in laminating, lining, or surface coating purchased paperboard to make other paperboard products.

322231 Die-Cut Paper and Paperboard Office Supplies Manufacturing

This U.S. industry comprises establishments primarily engaged in converting paper rollstock or paperboard into die-cut paper or paperboard office supplies. For the purpose of this industry, office supplies are defined as office products, such as filing folders, index cards, rolls for adding machines, file separators and dividers, tabulating cards, and other paper and paperboard office supplies.

322232 Envelope Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing envelopes for mailing or stationery of any material including combinations.

322233 Stationery, Tablet, and Related Product Manufacturing

This U.S. industry comprises establishments primarily engaged in converting paper and paperboard into products used for writing and similar applications (e.g., loose-leaf fillers, notebooks, pads, stationery, tablets).

322291 Sanitary Paper Product Manufacturing

This U.S. industry comprises establishments primarily engaged in converting purchased sanitary paper stock or wadding into sanitary paper products, such as facial tissues and handkerchiefs, table napkins, toilet paper, towels, disposable diapers, sanitary napkins, and tampons.

322299 All Other Converted Paper Product Manufacturing

This U.S. industry comprises establishments primarily engaged in converting paper or paperboard into products (except containers, bags, coated and treated paper,

stationery products, and sanitary paper products) or converting pulp into pulp products, such as egg cartons, food trays, and other food containers from molded pulp.

323 Printing and Related Support Activities

Industries in the Printing and Related Support Activities subsector print products, such as newspapers, books, periodicals, business forms, greeting cards, and other materials, and perform support activities, such as book-binding, platemaking services, and data imaging. The support activities included here are an integral part of the printing industry, and a product (a printing plate, a bound book, or a computer disk or file) that is an integral part of the printing industry is almost always provided by these operations.

Processes used in printing include a variety of methods used to transfer an image from a plate, screen, or computer file to some medium, such as paper, plastics, metal, textile articles, or wood. The most prominent of these methods is to transfer the image from a plate or screen to the medium (lithographic, gravure, screen, and flexographic printing). A rapidly growing new technology uses a computer file to directly “drive” the printing mechanism to create the image and new electrostatic and other types of equipment (digital or nonimpact printing).

In contrast to many other classification systems that locate publishing of printed materials in manufacturing, NAICS classifies the publishing of printed products in Subsector 511, Publishing Industries. Though printing and publishing are often carried out by the same enterprise (a newspaper, for example), it is less and less the case that these distinct activities are carried out in the same establishment. When publishing and printing are done in the same establishment, the establishment is classified in Sector 51, Information, in the appropriate NAICS industry even if the receipts for printing exceed those for publishing.

This subsector includes printing on clothing because the production process for that activity is printing, not clothing manufacturing. For instance, the printing of T-shirts is included in this subsector. In contrast, printing on fabric (or grey goods) is not included. This activity is part of the process of finishing the fabric and is included in the NAICS Textile Mills subsector in Industry 31331, Textile and Fabric Finishing Mills.

3231 Printing and Related Support Activities

323110 Commercial Lithographic Printing

This U.S. industry comprises establishments primarily engaged in lithographic (i.e., offset) printing without publishing (except books, grey goods, and manifold business forms). This industry includes establishments engaged in lithographic printing on purchased stock materials, such as stationery, letterhead, invitations, labels, and similar items, on a job order basis.

323111 Commercial Gravure Printing

This U.S. industry comprises establishments primarily engaged in gravure printing without publishing (except books, grey goods, and manifold business forms). This industry includes establishments engaged in gravure printing on purchased stock materials, such as stationery, letterhead, invitations, labels, and similar items, on a job order basis.

323112 Commercial Flexographic Printing

This U.S. industry comprises establishments primarily engaged in flexographic printing without publishing (except books, grey goods, and manifold business forms). This industry includes establishments engaged in flexographic printing on purchased stock materials, such as stationery, invitations, labels, and similar items, on a job order basis.

323113 Commercial Screen Printing

This U.S. industry comprises establishments primarily engaged in screen printing without publishing (except books, grey goods, and manifold business forms). This industry includes establishments engaged in screen printing on purchased stock materials, such as stationery, invitations, labels, and similar items, on a job order basis. Establishments primarily engaged in printing on apparel and textile products, such as T-shirts, caps, jackets, towels, and napkins, are included in this industry.

323114 Quick Printing

This U.S. industry comprises establishments primarily engaged in traditional printing activities, such as short-run offset printing or prepress services, in combination with providing document photocopying service. Prepress services include receiving documents in electronic format and directly duplicating from the electronic file and formatting, colorizing, and otherwise modifying the original document to improve presentation. These establishments, known as quick printers, generally provide short-run printing and copying with fast turnaround times.

323115 Digital Printing

This U.S. industry comprises establishments primarily engaged in printing graphical materials using digital printing equipment. Establishments known as digital printers typically provide sophisticated prepress services including using scanners to input images and computers to manipulate and format the graphic images prior to printing.

323116 Manifold Business Form Printing

This U.S. industry comprises establishments primarily engaged in printing special forms, including checkbooks, for use in the operation of a business. The forms may be in single and multiple sets, including carbonized, interleaved with carbon, or otherwise processed for multiple reproduction.

323117 Book Printing

This U.S. industry comprises establishments primarily engaged in printing or printing and binding books and pamphlets without publishing.

The data published with NAICS code 323117 include the following SIC industry:

2732 Book printing

323118 Blankbook, Looseleaf Binders, and Devices Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing blankbooks, looseleaf devices, and binders. Establishments in this industry may print or print and bind.

323119 Other Commercial Printing

This U.S. industry comprises establishments primarily engaged in commercial printing (except lithographic, gravure, screen, or flexographic printing) without publishing (except books, grey goods, and manifold business forms). Printing processes included in this industry are letterpress printing and engraving printing. This industry includes establishments engaged in commercial printing on purchased stock materials, such as stationery, invitations, labels, and similar items, on a job order basis.

323121 Tradebinding and Related Work

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) tradebinding; (2) sample mounting; and (3) postpress services (e.g., book or paper bronzing, die-cutting, edging, embossing, folding, gilding, gluing, indexing).

323122 Prepress Services

This U.S. industry comprises (1) establishments primarily engaged in prepress services, such as imagesetting or typesetting, for printers and (2) establishments primarily engaged in preparing film or plates for printing purposes.

324 Petroleum and Coal Products Manufacturing

The Petroleum and Coal Products Manufacturing subsector is based on the transformation of crude petroleum and coal into usable products. The dominant process is petroleum refining that involves the separation of crude petroleum into component products through such techniques as cracking and distillation.

In addition, this subsector includes establishments that primarily further process refined petroleum and coal products and produce products, such as asphalt coatings and petroleum lubricating oils. However, establishments that manufacture petrochemicals from refined petroleum are classified in Industry 32511, Petrochemical Manufacturing.

3241 Petroleum and Coal Products Manufacturing

324110 Petroleum Refineries

This U.S. industry comprises establishments primarily engaged in refining crude petroleum into refined petroleum. Petroleum refining involves one or more of the following activities: (1) fractionation; (2) straight distillation of crude oil; and (3) cracking.

324121 Asphalt Paving Mixture and Block Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing asphalt and tar paving mixtures and blocks from purchased asphaltic materials.

324122 Asphalt Shingle and Coating Materials Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) saturating purchased mats and felts with asphalt or tar from purchased asphaltic materials and (2) manufacturing asphalt and tar and roofing cements and coatings from purchased asphaltic materials.

324191 Petroleum Lubricating Oil and Grease Manufacturing

This U.S. industry comprises establishments primarily engaged in blending or compounding refined petroleum to make lubricating oils and greases and/or re-refining used petroleum lubricating oils.

324199 All Other Petroleum and Coal Products Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing petroleum products (except asphalt paving, roofing, and saturated materials and lubricating oils and greases) from refined petroleum and coal products made in coke ovens not integrated with a steel mill.

325 Chemical Manufacturing

The Chemical Manufacturing subsector is based on the transformation of organic and inorganic raw materials by a chemical process and the formulation of products. This subsector distinguishes the production of basic chemicals that comprise the first industry group from the production of intermediate and end products produced by further processing of basic chemicals that make up the remaining industry groups.

This subsector does not include all industries transforming raw materials by a chemical process. It is common for some chemical processing to occur during mining operations. These beneficiating operations, such as copper concentrating, are classified in Sector 21, Mining. Furthermore, the refining of crude petroleum is included in

Subsector 324, Petroleum and Coal Products Manufacturing. In addition, the manufacturing of aluminum oxide is included in Subsector 331, Primary Metal Manufacturing; and beverage distilleries are classified in Subsector 312, Beverage and Tobacco Product Manufacturing. As in the case of these two activities, the grouping of industries into subsectors may take into account the association of the activities performed with other activities in the subsector.

3251 Basic Chemical Manufacturing

325110 Petrochemical Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing acyclic (i.e., aliphatic) hydrocarbons such as ethylene, propylene, and butylene made from refined petroleum or liquid hydrocarbons and/or (2) manufacturing cyclic aromatic hydrocarbons such as benzene, toluene, styrene, xylene, ethyl benzene, and cumene made from refined petroleum or liquid hydrocarbons.

325120 Industrial Gas Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing industrial organic and inorganic gases in compressed, liquid, and solid forms.

325131 Inorganic Dye and Pigment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing inorganic dyes and pigments.

325132 Synthetic Organic Dye and Pigment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing synthetic organic dyes and pigments, such as lakes and toners (except electrostatic and photographic).

325181 Alkalies and Chlorine Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing chlorine, sodium hydroxide (i.e., caustic soda), and other alkalies often using an electrolysis process.

325182 Carbon Black Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing carbon black, bone black, and lamp black.

325188 All Other Basic Inorganic Chemical Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing basic inorganic chemicals (except industrial gases, inorganic dyes and pigments, alkalies and chlorine, and carbon black).

325191 Gum and Wood Chemical Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) distilling wood or gum into products, such as tall oil and wood distillates, and (2) manufacturing wood or gum chemicals, such as naval stores, natural tanning materials, charcoal briquettes, and charcoal (except activated).

325192 Cyclic Crude and Intermediate Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) distilling coal tars and/or (2) manufacturing cyclic crudes or cyclic intermediates (i.e., hydrocarbons, except aromatic petrochemicals) from refined petroleum or natural gas.

325193 Ethyl Alcohol Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing nonpotable ethyl alcohol.

325199 All Other Basic Organic Chemical Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing basic organic chemical products (except aromatic petrochemicals, industrial gases, synthetic organic dyes and pigments, gum and wood chemicals, cyclic crudes and intermediates, and ethyl alcohol).

3252 Resin, Synthetic Rubber, and Artificial and Synthetic Fibers and Filaments Manufacturing

325211 Plastics Material and Resin Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing resins, plastics materials, and nonvulcanizable thermoplastic elastomers and mixing and blending resins on a custom basis and/or (2) manufacturing noncustomized synthetic resins.

325212 Synthetic Rubber Manufacturing

This U.S. industry consists of establishments primarily engaged in manufacturing synthetic rubber.

325221 Cellulosic Organic Fiber Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing cellulosic (i.e., rayon and acetate) fibers and filaments in the form of monofilament, filament yarn, staple, or tow or (2) manufacturing and texturizing cellulosic fibers and filaments.

325222 Noncellulosic Organic Fiber Manufacturing

This U.S. industry consists of establishments primarily engaged in (1) manufacturing noncellulosic (i.e., nylon, polyolefin, and polyester) fibers and filaments in the form of monofilament, filament yarn, staple, or tow or (2) manufacturing and texturizing noncellulosic fibers and filaments.

3253 Pesticide, Fertilizer, and Other Agricultural Chemical Manufacturing

325311 Nitrogenous Fertilizer Manufacturing

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing nitrogenous fertilizer materials and mixing ingredients into fertilizers; (2) manufacturing fertilizers from sewage or animal waste; and (3) manufacturing nitrogenous materials and mixing them into fertilizers.

325312 Phosphatic Fertilizer Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing phosphatic fertilizer materials or (2) manufacturing phosphatic materials and mixing them into fertilizers.

325314 Fertilizer (Mixing Only) Manufacturing

This U.S. industry comprises establishments primarily engaged in mixing ingredients made elsewhere into fertilizers.

325320 Pesticide and Other Agricultural Chemical Manufacturing

This U.S. industry comprises establishments primarily engaged in the formulation and preparation of agricultural and household pest control chemicals (except fertilizers).

3254 Pharmaceutical and Medicine Manufacturing

325411 Medicinal and Botanical Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing uncompounded medicinal chemicals and their derivatives (i.e., generally for use by pharmaceutical preparation manufacturers) and/or (2) grading, grinding, and milling uncompounded botanicals.

325412 Pharmaceutical Preparation Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing in-vivo diagnostic substances and pharmaceutical preparations (except biological) intended for internal and external consumption in dose forms, such as ampoules, tablets, capsules, vials, ointments, powders, solutions, and suspensions.

325413 In-Vitro Diagnostic Substance Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing in-vitro (i.e., not taken internally) diagnostic substances, such as chemical, biological, or radioactive substances. The substances are used for diagnostic tests that are performed in test tubes, petri dishes, machines, and other diagnostic test-type devices.

325414 Biological Product (Except Diagnostic) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing vaccines, toxoids, blood fractions, and culture media of plant or animal origin (except diagnostic).

3255 Paint, Coating, and Adhesive Manufacturing

325510 Paint and Coating Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) mixing pigments, solvents, and binders into paints and other coatings, such as stains, varnishes, lacquers, enamels, shellacs, and water repellent coatings for concrete and masonry, and/or (2) manufacturing allied paint products, such as putties, paint and varnish removers, paint brush cleaners, and frit.

325520 Adhesive Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing adhesives, glues, and caulking compounds. :

3256 Soap, Cleaning Compound, and Toilet Preparation Manufacturing

325611 Soap and Other Detergent Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing and packaging soaps and other detergents, such as laundry detergents; dishwashing detergents; toothpaste gels and tooth powders; and natural glycerin.

325612 Polish and Other Sanitation Good Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing and packaging polishes and specialty cleaning preparations.

325613 Surface Active Agent Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing bulk surface active agents for use as wetting agents, emulsifiers, and penetrants, and/or (2) manufacturing textiles and leather finishing agents used to reduce tension or speed the drying process.

325620 Toilet Preparation Manufacturing

This U.S. industry comprises establishments primarily engaged in preparing, blending, compounding, and packaging toilet preparations, such as perfumes, shaving preparations, hair preparations, face creams, lotions (including sunscreens), and other cosmetic preparations.

3259 Other Chemical Product Manufacturing

325910 Printing Ink Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing printing and inkjet inks and inkjet cartridges.

325920 Explosives Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing explosives.

325991 Custom Compounding of Purchased Resins

This U.S. industry comprises establishments primarily engaged in (1) custom mixing and blending plastics resins made elsewhere or (2) reformulating plastics resins from recycled plastics products.

325992 Photographic Film, Paper, Plate, and Chemical Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing sensitized film, sensitized paper, sensitized cloth, sensitized plates, toners (i.e., for photocopiers, laser printers, and similar electrostatic printing devices), toner cartridges, and photographic chemicals.

325998 All Other Miscellaneous Chemical Product and Preparation Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing chemical products (except basic chemicals, resins, synthetic rubber; cellulosic and noncellulosic fiber and filaments; pesticides, fertilizers, and other agricultural chemicals; pharmaceuticals and medicines; paints, coatings, and adhesives; soap, cleaning compounds, and toilet preparations; printing inks; explosives; custom compounding of purchased resins; and photographic films, papers, plates, and chemicals).

326 Plastics and Rubber Products Manufacturing

Industries in the Plastics and Rubber Products Manufacturing subsector make goods by processing plastics materials and raw rubber. The core technology employed by establishments in this subsector is that of plastics or rubber product production. Plastics and rubber are combined in the same subsector because plastics are increasingly being used as a substitute for rubber; however, the subsector is generally restricted to the production of products made of just one material, either solely plastics or rubber.

Many manufacturing activities use plastics or rubber, for example the manufacture of footwear, or furniture. Typically, the production process of these products involves more than one material. In these cases, technologies that allow disparate materials to be formed and combined are of central importance in describing the manufacturing activity. In NAICS, such activities (the footwear and

furniture manufacturing) are not classified in the Plastics and Rubber Products Manufacturing subsector because the core technologies for these activities are diverse and involve multiple materials.

Within the Plastics and Rubber Products Manufacturing subsector, a distinction is made between plastics and rubber products at the industry group level, although it is not a rigid distinction, as can be seen from the definition of Industry 32622, Rubber and Plastics Hose and Belting Manufacturing. As materials technology progresses, plastics are increasingly being used as a substitute for rubber; and eventually, the distinction may disappear as a basis for establishment classification.

In keeping with the core technology focus of plastics, lamination of plastics film to plastics film as well as the production of bags from plastics only is classified in this subsector. Lamination and bag production involving plastics and materials other than plastics are classified in the NAICS Subsector 322, Paper Manufacturing.

3261 Plastics Product Manufacturing

326111 Unsupported Plastics Bag Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) converting plastics resins into plastics bags or (2) forming, coating, or laminating plastics film and sheet into single wall or multiwall plastics bags. Establishments in this industry may print on the bags they manufacture.

326112 Unsupported Plastics Packaging Film and Sheet Manufacturing

This U.S. industry comprises establishments primarily engaged in converting plastics resins into plastics packaging (flexible) film and packaging sheet.

326113 Unsupported Plastics Film and Sheet (Except Packaging) Manufacturing

This U.S. industry comprises establishments primarily engaged in converting plastics resins into plastics film and unlaminated sheet (except packaging).

326121 Unsupported Plastics Profile Shapes Manufacturing

This U.S. industry comprises establishments primarily engaged in converting plastics resins into nonrigid plastics profile shapes (except film, sheet, and bags), such as rod, tube, and sausage casings.

326122 Plastics Pipe and Pipe Fitting Manufacturing

This U.S. industry comprises establishments primarily engaged in converting plastics resins into rigid plastics pipes and pipe fittings.

326130 Laminated Plastics Plate, Sheet, and Shape Manufacturing

This U.S. industry comprises establishments primarily engaged in laminating plastics profile shapes such as plate, sheet (except packaging), and rod. The lamination process generally involves bonding or impregnating profiles with plastics resins and compressing them under heat.

326140 Polystyrene Foam Product Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing polystyrene foam products.

326150 Urethane and Other Foam Product (Except Polystyrene) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing plastics foam products (except polystyrene).

326160 Plastics Bottle Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing plastics bottles.

326191 Plastics Plumbing Fixture Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing plastics or fiberglass plumbing fixtures. Examples of products made by these establishments are plastics or fiberglass bathtubs, hot tubs, portable toilets, and shower stalls.

326192 Resilient Floor Covering Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing resilient floor coverings for permanent installation.

326199 All Other Plastics Product Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing plastics products (except film, sheet, bags, profile shapes, pipes, pipe fittings, laminates, foam products, bottles, plumbing fixtures, and resilient floor coverings).

3262 Rubber Product Manufacturing

326211 Tire Manufacturing (Except Retreading)

This U.S. industry comprises establishments primarily engaged in manufacturing tires and inner tubes from natural and synthetic rubber.

326212 Tire Retreading

This U.S. industry comprises establishments primarily engaged in retreading, or rebuilding tires.

326220 Rubber and Plastics Hoses and Belting Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing rubber hose and/or plastics (reinforced) hose and belting from natural and synthetic rubber and/or plastics resins. Establishments manufacturing garden hoses from purchased hose are included in this industry.

326291 Rubber Product Manufacturing for Mechanical Use

This U.S. industry comprises establishments primarily engaged in molding, extruding, or lathe-cutting rubber to manufacture rubber goods (except tubing) for mechanical applications. Products of this industry are generally parts for motor vehicles, machinery, and equipment.

326299 All Other Rubber Product Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing rubber products (except tires; hoses and belting; and molded, extruded, and lathe-cut rubber goods for mechanical applications) from natural and synthetic rubber.

327 Nonmetallic Mineral Product Manufacturing

The Nonmetallic Mineral Product Manufacturing subsector transforms mined or quarried nonmetallic minerals, such as sand, gravel, stone, clay, and refractory materials, into products for intermediate or final consumption. Processes used include grinding, mixing, cutting, shaping, and honing. Heat often is used in the process and chemicals are frequently mixed to change the composition, purity, and chemical properties for the intended product. For example, glass is produced by heating silica sand to the melting point (sometimes combined with cullet or recycled glass) and then drawn, floated, or blow molded to the desired shape or thickness. Refractory materials are heated and then formed into bricks or other shapes for use in industrial applications.

The Nonmetallic Mineral Product Manufacturing subsector includes establishments that manufacture products, such as bricks, refractories, ceramic products, and glass and glass products, such as plate glass and containers. Also included are cement and concrete products, lime, gypsum and other nonmetallic mineral products including abrasive products, ceramic plumbing fixtures, statuary, cut stone products, and mineral wool. The products are used in a wide range of activities from construction and heavy and light manufacturing to articles for personal use.

Mining, beneficiating, and manufacturing activities often occur in a single location. Separate receipts will be collected for these activities whenever possible. When receipts cannot be broken out between mining and manufacturing, establishments that mine or quarry nonmetallic minerals, beneficiate the nonmetallic minerals and further

process the nonmetallic minerals into a more finished manufactured product are classified based on the primary activity of the establishment. A mine that manufactures a small amount of finished products will be classified in Sector 21, Mining. An establishment that mines whose primary output is a more-finished manufactured product will be classified in the Manufacturing Sector.

Excluded from the Nonmetallic Mineral Product Manufacturing subsector are establishments that primarily beneficiate mined nonmetallic minerals. Beneficiation is the process whereby the extracted material is reduced to particles that can be separated into mineral and waste, the former suitable for further processing or direct use. Beneficiation establishments are included in Sector 21, Mining.

3271 Clay Product and Refractory Manufacturing

327111 Vitreous China Plumbing Fixture and China and Earthenware Bathroom Accessories Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing vitreous china plumbing fixtures and china and earthenware bathroom accessories, such as faucet handles, towel bars, and soap dishes.

327112 Vitreous China, Fine Earthenware, and Other Pottery Product Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing table and kitchen articles, art and ornamental items, and similar vitreous china, fine earthenware, stoneware, coarse earthenware, and pottery products.

327113 Porcelain Electrical Supply Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing porcelain electrical insulators, molded porcelain parts for electrical devices, ferrite or ceramic magnets, and electronic and electrical supplies from nonmetallic minerals, such as clay and ceramic materials.

327121 Brick and Structural Clay Tile Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing brick and structural clay tiles.

3251 Brick and structural clay tile

327122 Ceramic Wall and Floor Tile Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing ceramic wall and floor tiles.

327123 Other Structural Clay Product Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing clay sewer pipe, drain tile, flue lining tile, architectural terra-cotta, and other structural clay products.

327124 Clay Refractory Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing clay refractory, mortar, brick, block, tile, and fabricated clay refractories, such as melting pots. A refractory is a material that will retain its shape and chemical identity when subjected to high temperatures and is used in applications that require extreme resistance to heat, such as furnace linings.

327125 Nonclay Refractory Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing nonclay refractory, mortar, brick, block, tile, and fabricated nonclay refractories such as graphite, magnesite, silica, or alumina crucibles. A refractory is a material that will retain its shape and chemical identity when subjected to high temperatures and is used in applications that require extreme resistance to heat, such as furnace linings.

3272 Glass and Glass Product Manufacturing

327211 Flat Glass Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing flat glass by melting silica sand or cullet or (2) manufacturing both flat glass and laminated glass by melting silica sand or cullet.

327212 Other Pressed and Blown Glass and Glassware Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing glass by melting silica sand or cullet and making pressed, blown, or shaped glass or glassware (except glass packaging containers).

327213 Glass Container Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing glass packaging containers.

327215 Glass Product Manufacturing Made of Purchased Glass

This U.S. industry comprises establishments primarily engaged in remelting, pressing, blowing, or shaping purchased glass.

3273 Cement and Concrete Product Manufacturing

327310 Cement Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing portland, natural, masonry, pozzalanic, and other hydraulic cements. Cement manufacturing establishments may calcine earths or mine, quarry, manufacture, or purchase lime.

327320 Ready-Mix Concrete Manufacturing

This U.S. industry comprises establishments, such as batch plants or mix plants, primarily engaged in manufacturing concrete delivered to a purchaser in a plastic and unhardened state. Ready-mix concrete manufacturing establishments may mine, quarry, or purchase sand and gravel.

327331 Concrete Block and Brick Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing concrete block and brick.

327332 Concrete Pipe Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing concrete pipe.

327390 Other Concrete Product Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing concrete products (except block, brick, and pipe).

3274 Lime and Gypsum Product Manufacturing

327410 Lime Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing lime from calcitic limestone, dolomitic limestone, or other calcareous materials, such as coral, chalk, and shells. Lime manufacturing establishments may mine, quarry, collect, or purchase the sources of calcium carbonate.

327420 Gypsum Product Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing gypsum products, such as wall-board, plaster, plasterboard, molding, ornamental moldings, statuary, and architectural plaster work. Gypsum product manufacturing establishments may mine, quarry, or purchase gypsum.

3279 Other Nonmetallic Mineral Product Manufacturing

327910 Abrasive Product Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing abrasive grinding wheels of natural or synthetic materials, abrasive-coated products, and other abrasive products.

327991 Cut Stone and Stone Product Manufacturing

This U.S. industry comprises establishments primarily engaged in cutting, shaping, and finishing granite, marble, limestone, slate, and other stone for building and miscellaneous uses. Stone product manufacturing establishments may mine, quarry, or purchase stone.

327992 Ground or Treated Mineral and Earth Manufacturing

This U.S. industry comprises establishments primarily engaged in calcining, dead burning, or otherwise processing beyond beneficiation, clays, ceramic and refractory minerals, barite, and miscellaneous nonmetallic minerals.

327993 Mineral Wool Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing mineral wool and mineral wool (i.e., fiberglass) insulation products made of such siliceous materials as rock, slag, and glass or combinations thereof.

327999 All Other Miscellaneous Nonmetallic Mineral Product Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing nonmetallic mineral products (except pottery, ceramics, and plumbing fixtures; clay building materials and refractories; glass and glass products; cement; ready-mix concrete; concrete products; lime; gypsum products; abrasive products; cut stone and stone products; ground and treated minerals and earth; and mineral wool).

331 Primary Metal Manufacturing

Industries in the Primary Metal Manufacturing subsector smelt and/or refine ferrous and nonferrous metals from ore, pig or scrap, using electrometallurgical and other process metallurgical techniques. Establishments in this subsector also manufacture metal alloys and superalloys by introducing other chemical elements to pure metals. The output of smelting and refining, usually in ingot form, is used in rolling, drawing, and extruding operations to make sheet, strip, bar, rod, or wire, and in molten form to make castings and other basic metal products.

Primary manufacturing of ferrous and nonferrous metals begins with ore or concentrate as the primary input. Establishments manufacturing primary metals from ore and/or concentrate remain classified in the primary smelting, primary refining, or iron and steel mill, industries regardless of the form of their output. Establishments primarily engaged in secondary smelting and/or secondary refining recover ferrous and nonferrous metals from scrap and/or dross. The output of the secondary smelting and/or secondary refining industries is limited to shapes, such as ingot or billet, that will be further processed. Recovery of metals from scrap often occurs in establishments that are primarily engaged in activities, such as rolling, drawing, extruding, or similar processes.

Excluded from the Primary Metal Manufacturing subsector are establishments primarily engaged in manufacturing ferrous and nonferrous forgings (except ferrous forgings made in steel mills) and stampings. Although forging, stamping, and casting are all methods used to make metal shapes, forging and stamping do not use molten metals

and are included in Subsector 332, Fabricated Metal Product Manufacturing. Establishments primarily engaged in operating coke ovens are classified in Industry 32419, Other Petroleum and Coal Products Manufacturing.

3311 Iron and Steel Mills and Ferroalloy Manufacturing

331111 Iron and Steel Mills

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) direct reduction of iron ore; (2) manufacturing pig iron in molten or solid form; (3) converting pig iron into steel; (4) making steel; (5) making steel and manufacturing shapes (e.g., bar, plate, rod, sheet, strip, wire); and (6) making steel and forming tube and pipe.

331112 Electrometallurgical Ferroalloy Product Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electrometallurgical ferroalloys. Ferroalloys add critical elements, such as silicon and manganese for carbon steel and chromium, vanadium, tungsten, titanium, and molybdenum for low- and high-alloy metals. Ferroalloys include iron-rich alloys and more pure forms of elements added during the steel manufacturing process that alter or improve the characteristics of the metal being made.

3312 Steel Product Manufacturing From Purchased Steel

331210 Iron and Steel Pipes and Tubes Manufacturing From Purchased Steel

This U.S. industry comprises establishments primarily engaged in manufacturing welded, riveted, or seamless pipe and tube from purchased iron or steel.

331221 Rolled Steel Shape Manufacturing

This U.S. industry comprises establishments primarily engaged in rolling or drawing shapes (except wire), such as plate, sheet, strip, rod, and bar, from purchased steel.

331222 Steel Wire Drawing

This U.S. industry comprises establishments primarily engaged in drawing wire from purchased steel.

3313 Alumina and Aluminum Production and Processing

331311 Alumina Refining

This U.S. industry comprises establishments primarily engaged in refining alumina (i.e., aluminum oxide) generally from bauxite.

331312 Primary Aluminum Production

This U.S. industry comprises establishments primarily engaged in (1) making aluminum from alumina and/or (2) making aluminum from alumina and rolling, drawing, extruding, or casting the aluminum they make into primary forms (e.g., bar, billet, ingot, plate, rod, sheet, strip). Establishments in this industry may make primary aluminum or aluminum-based alloys from alumina.

331314 Secondary Smelting and Alloying of Aluminum

This U.S. industry comprises establishments primarily engaged in (1) recovering aluminum and aluminum alloys from scrap and/or dross (i.e., secondary smelting) and making billet or ingot (except by rolling) and/or (2) manufacturing alloys, powder, paste, or flake from purchased aluminum.

331315 Aluminum Sheet, Plate, and Foil Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) flat rolling or continuous casting sheet, plate, foil, and welded tube from purchased aluminum and/or (2) recovering aluminum from scrap and flat rolling or continuous casting sheet, plate, foil, and welded tube in integrated mills.

331316 Aluminum Extruded Product Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) extruding aluminum bar, pipe, and tube blooms or extruding or drawing tube from purchased aluminum; and/or (2) recovering aluminum from scrap and extruding bar, pipe, and tube blooms or drawing tube in integrated mills.

331319 Other Aluminum Rolling and Drawing

This U.S. industry comprises establishments primarily engaged in (1) rolling, drawing, or extruding shapes (except flat rolled sheet, plate, foil, and welded tube; extruded rod, bar, pipe, and tube blooms; and drawn or extruded tube) from purchased aluminum and/or (2) recovering aluminum from scrap and rolling, drawing or extruding shapes (except flat rolled sheet, plate, foil, and welded tube; extruded rod, bar, pipe, and tube blooms; and drawn or extruded tube) in integrated mills.

3314 Nonferrous Metal (Except Aluminum) Production and Processing

331411 Primary Smelting and Refining of Copper

This U.S. industry comprises establishments primarily engaged in (1) smelting copper ore and/or (2) the primary refining of copper by electrolytic methods or other processes. Establishments in this industry make primary copper and copper-based alloys, such as brass and bronze, from ore or concentrates.

331419 Primary Smelting and Refining of Nonferrous Metal (Except Copper and Aluminum)

This U.S. industry comprises establishments primarily engaged in (1) making (i.e., the primary production) nonferrous metals by smelting ore and/or (2) the primary refining of nonferrous metals by electrolytic methods or other processes.

331421 Copper Rolling, Drawing, and Extruding

This U.S. industry comprises establishments primarily engaged in (1) rolling, drawing, and/or extruding shapes (e.g., bar, plate, sheet, strip, tube (except bare or insulated copper communication or energy wire)) from purchased copper; and/or (2) recovering copper from scrap and rolling, drawing, and/or extruding shapes (e.g., bar, plate, sheet, strip, tube (except bare or insulated copper communication or energy wire in integrated mills)).

331422 Copper Wire (Except Mechanical) Drawing

This U.S. industry comprises establishments primarily engaged in drawing or drawing and insulating communication and energy wire and cable from purchased copper or in integrated secondary smelting and wire drawing plants.

331423 Secondary Smelting, Refining, and Alloying of Copper

This U.S. industry comprises establishments primarily engaged in (1) recovering copper and copper alloys from scrap and/or (2) alloying purchased copper. Establishments in this industry make primary forms, such as ingot, wire bar, cake, and slab from copper or copper alloys, such as brass and bronze.

331491 Nonferrous Metal (Except Copper and Aluminum) Rolling, Drawing, and Extruding

This U.S. industry comprises establishments primarily engaged in (1) rolling, drawing, or extruding shapes (e.g., bar, plate, sheet, strip, tube) from purchased nonferrous metals and/or (2) recovering nonferrous metals from scrap and rolling, drawing, and/or extruding shapes (e.g., bar, plate, sheet, strip, tube) in integrated mills.

331492 Secondary Smelting, Refining, and Alloying of Nonferrous Metal (Except Copper and Aluminum)

This U.S. industry comprises establishments primarily engaged in (1) alloying purchased nonferrous metals and/or (2) recovering nonferrous metals from scrap. Establishments in this industry make primary forms (e.g., bar, billet, bloom, cake, ingot, slab, slug, wire) using smelting or refining processes.

3315 Foundries

331511 Iron Foundries

This U.S. industry comprises establishments primarily engaged in pouring molten pig iron or iron alloys into molds to manufacture castings, (e.g., cast iron man-hole covers, cast iron pipe, cast iron skillets). Establishments in this industry purchase iron made in other establishments.

331512 Steel Investment Foundries

This U.S. industry comprises establishments primarily engaged in manufacturing steel investment castings. Investment molds are formed by covering a wax shape with a refractory slurry. After the refractory slurry hardens, the wax is melted, leaving a seamless mold. Investment molds provide highly detailed, consistent castings. Establishments in this industry purchase steel made in other establishments.

331513 Steel Foundries (Except Investment)

This U.S. industry comprises establishments primarily engaged in manufacturing steel castings (except steel investment castings). Establishments in this industry purchase steel made in other establishments.

331521 Aluminum Die-Casting Foundries

This U.S. industry comprises establishments primarily engaged in introducing molten aluminum, under high pressure, into molds or dies to make aluminum die-castings. Establishments in this industry purchase aluminum made in other establishments.

331522 Nonferrous (Except Aluminum) Die-Casting Foundries

This U.S. industry comprises establishments primarily engaged in introducing molten nonferrous metal (except aluminum), under high pressure, into molds to make nonferrous metal die-castings. Establishments in this industry purchase nonferrous metals made in other establishments.

331524 Aluminum Foundries (Except Die-Casting)

This U.S. industry comprises establishments primarily engaged in pouring molten aluminum into molds to manufacture aluminum castings. Establishments in this industry purchase aluminum made in other establishments.

331525 Copper Foundries (Except Die-Casting)

This U.S. industry comprises establishments primarily engaged in pouring molten copper into molds to manufacture copper castings. Establishments in this industry purchase copper made in other establishments.

331528 Other Nonferrous Foundries (Except Die-Casting)

This U.S. industry comprises establishments primarily engaged in pouring molten nonferrous metals (except aluminum and copper) into molds to manufacture nonferrous castings (except aluminum die-castings, nonferrous (except aluminum) die-castings, aluminum castings, and copper castings). Establishments in this industry purchase nonferrous metals, such as nickel, lead, and zinc, made in other establishments.

332 Fabricated Metal Product Manufacturing

Industries in the Fabricated Metal Product Manufacturing subsector transform metal into intermediate or end products, other than machinery, computers and electronics, and metal furniture or treating metals and metal formed products fabricated elsewhere. Important fabricated metal processes are forging, stamping, bending, forming, and machining, used to shape individual pieces of metal; and other processes, such as welding and assembling, used to join separate parts together. Establishments in this subsector may use one of these processes or a combination of these processes.

The NAICS structure for this subsector distinguishes the forging and stamping processes in a single industry. The remaining industries, in the subsector, group establishments based on similar combinations of processes used to make products.

The manufacturing performed in the Fabricated Metal Product Manufacturing subsector begins with manufactured metal shapes. The establishments in this sector further fabricate the purchased metal shapes into a product. For instance, the Spring and Wire Product Manufacturing industry starts with wire and fabricates such items.

Within manufacturing there are other establishments that make the same products made by this subsector; only these establishments begin production further back in the production process. These establishments have a more integrated operation. For instance, one establishment may manufacture steel, draw it into wire, and make wire products in the same establishment. Such operations are classified in the Primary Metal Manufacturing subsector.

3321 Forging and Stamping

332111 Iron and Steel Forging

This U.S. industry comprises establishments primarily engaged in manufacturing iron and steel forgings from purchased iron and steel by hammering mill shapes. Establishments making iron and steel forgings and further manufacturing (e.g., machining, assembling) a specific manufactured product are classified in the industry of the finished product. Iron and steel forging establishments may perform surface finishing operations, such as cleaning and deburring, on the forgings they manufacture.

332112 Nonferrous Forging

This U.S. industry comprises establishments primarily engaged in manufacturing nonferrous forgings from purchased nonferrous metals by hammering mill shapes. Establishments making nonferrous forgings and further manufacturing (e.g., machining, assembling) a specific manufactured product are classified in the industry of the finished product. Nonferrous forging establishments may perform surface finishing operations, such as cleaning and deburring, on the forgings they manufacture.

332114 Custom Roll Forming

This U.S. industry comprises establishments primarily engaged in custom roll forming metal products by use of rotary motion of rolls with various contours to bend or shape the products.

332115 Crown and Closure Manufacturing

This U.S. industry comprises establishments primarily engaged in stamping metal crowns and closures, such as bottle caps and home canning lids and rings.

332116 Metal Stamping

This U.S. industry comprises establishments primarily engaged in manufacturing unfinished metal stampings and spinning unfinished metal products (except crowns, cans, closures, automotive, and coins). Establishments making metal stampings and metal spun products and further manufacturing (e.g., machining, assembling) a specific product are classified in the industry of the finished product. Metal stamping and metal spun products establishments may perform surface finishing operations, such as cleaning and deburring, on the products they manufacture.

332117 Powder Metallurgy Parts Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing powder metallurgy products by compacting them in a shaped die and sintering. Establishments in this industry generally make a wide range of parts on a job or order basis.

3322 Cutlery and Handtool Manufacturing

332211 Cutlery and Flatware (Except Precious) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing nonprecious and precious plated metal cutlery and flatware.

The data published with NAICS code 332211 include the following SIC industries:

332212 Hand and Edge Tool Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing nonpowered hand and edge tools (except saws).

332213 Saw Blade and Handsaw Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing nonpowered handsaws and/or (2) manufacturing saw blades, all types (including those for power sawing machines).

332214 Kitchen Utensil, Pot, and Pan Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing metal kitchen utensils (except cutting-type), pots, and pans (except those manufactured by casting (e.g., cast iron skillets) or stamped without further fabrication).

3323 Architectural and Structural Metals Manufacturing

332311 Prefabricated Metal Building and Component Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing prefabricated metal buildings, panels, and sections.

332312 Fabricated Structural Metal Manufacturing

This U.S. industry comprises establishments primarily engaged in fabricating structural metal products, such as concrete reinforcing bars and fabricated bar joists.

332313 Plate Work Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing fabricated metal plate work by cutting, punching, bending, shaping, and welding purchased metal plate.

332321 Metal Window and Door Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing metal framed windows (i.e., typically using purchased glass) and metal doors. Examples of products made by these establishments are metal door frames; metal framed window and door screens; metal molding and trim (except automotive); and metal curtain walls.

332322 Sheet Metal Work Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing sheet metal work (except stampings).

332323 Ornamental and Architectural Metal Work Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing ornamental and architectural metal work, such as staircases, metal open steel flooring, fire escapes, railings, and scaffolding.

3324 Boiler, Tank, and Shipping Container Manufacturing

332410 Power Boiler and Heat Exchanger Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing power boilers and heat exchangers. Establishments in this industry may perform installation in addition to manufacturing power boilers and heat exchangers.

332420 Metal Tank (Heavy Gauge) Manufacturing

This U.S. industry comprises establishments primarily engaged in cutting, forming, and joining heavy gauge metal to manufacture tanks, vessels, and other containers.

332431 Metal Can Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing metal cans, lids, and ends.

332439 Other Metal Container Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing metal (light gauge) containers (except cans).

3325 Hardware Manufacturing

332510 Hardware Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing metal hardware, such as metal hinges, metal handles, keys, and locks (except coin-operated, time locks).

3326 Spring and Wire Product Manufacturing

332611 Spring (Heavy Gauge) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing heavy gauge springs by forming, such as cutting, bending, and heat winding rod or strip stock.

332612 Spring (Light Gauge) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing light gauge springs from purchased wire or strip.

332618 Other Fabricated Wire Product Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing fabricated wire products (except springs) made from purchased wire.

3327 Machine Shops; Turned Product; and Screw, Nut, and Bolt Manufacturing

332710 Machine Shops

This U.S. industry comprises establishments known as machine shops primarily engaged in machining metal parts on a job or order basis. Generally machine shop jobs are low volume using machine tools, such as lathes (including computer numerically controlled); automatic screw machines; and machines for boring, grinding, and milling.

332721 Precision Turned Product Manufacturing

This U.S. industry comprises establishments known as precision turned manufacturers primarily engaged in machining precision products of all materials on a job or order basis. Generally precision turned product jobs are large volume using machines, such as automatic screw machines, rotary transfer machines, computer numerically controlled (CNC) lathes, or turning centers.

332722 Bolt, Nut, Screw, Rivet, and Washer Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing metal bolts, nuts, screws, rivets, and washers, and other industrial fasteners using machines, such as headers, threaders, and nut forming machines.

3328 Coating, Engraving, Heat Treating, and Allied Activities

332811 Metal Heat Treating

This U.S. industry comprises establishments primarily engaged in heat treating, such as annealing, tempering, and brazing, metals and metal products for the trade.

332812 Metal Coating, Engraving (Except Jewelry and Silverware), and Allied Services to Manufacturers

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) enameling, lacquering, and varnishing metals and metal products; (2) hot dip galvanizing metals and metal products; (3) engraving, chasing, or etching metals and metal products (except jewelry; personal goods carried on or about the person, such as compacts and cigarette cases; precious metal products (except precious plated flatware and other plated ware); and printing plates); (4) powder coating metals and metal products; and (5) providing other metal surfacing services for the trade.

332813 Electroplating, Plating, Polishing, Anodizing, and Coloring

This U.S. industry comprises establishments primarily engaged in electroplating, plating, anodizing, coloring, buffing, polishing, cleaning, and sandblasting metals and metal products for the trade.

3329 Other Fabricated Metal Product Manufacturing

332911 Industrial Valve Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing industrial valves and valves for water works and municipal water systems.

332912 Fluid Power Valve and Hose Fitting Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing fluid power valves and hose fittings.

332913 Plumbing Fixture Fitting and Trim Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing metal and plastics plumbing fixture fittings and trim, such as faucets, flush valves, and shower heads.

332919 Other Metal Valve and Pipe Fitting Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing metal valves (except industrial valves, fluid power valves, fluid power hose fittings, and plumbing fixture fittings and trim).

332991 Ball and Roller Bearing Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing ball and roller bearings of all materials.

332992 Small Arms Ammunition Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing small arms ammunition.

332993 Ammunition (Except Small Arms) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing ammunition (except small arms). Examples of products made by these establishments are bombs, depth charges, rockets (except guided missiles), grenades, mines, and torpedoes.

332994 Small Arms Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing small firearms that are carried and fired by the individual.

332995 Other Ordnance and Accessories Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing ordnance (except small arms) and accessories.

332996 Fabricated Pipe and Pipe Fitting Manufacturing

This U.S. industry comprises establishments primarily engaged in fabricating (such as cutting, threading and bending) metal pipes and pipe fittings made from purchased metal pipe.

332997 Industrial Pattern Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing industrial patterns.

332998 Enameled Iron and Metal Sanitary Ware Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing enameled iron and metal sanitary ware.

332999 All Other Miscellaneous Fabricated Metal Product Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing fabricated metal products (except forgings and stampings, cutlery and handtools, architectural and structural metals, boilers, tanks, shipping containers, hardware, spring and wire products, machine shop products, turned products, screws, nuts, and bolts, metal valves, ball and roller bearings, ammunition, small arms and other ordnances, fabricated pipes and pipe fittings, industrial patterns, and enameled iron and metal sanitary ware).

333 Machinery Manufacturing

Industries in the Machinery Manufacturing subsector create end products that apply mechanical force, for example, the application of gears and levers, to perform work. Some important processes for the manufacture of machinery are forging, stamping, bending, forming, and machining that are used to shape individual pieces of metal. Processes, such as welding and assembling are used to join separate parts together. Although these processes are similar to those used in metal fabricating establishments, machinery manufacturing is different because it typically employs multiple metal forming processes in manufacturing the various parts of the machine. Moreover, complex assembly operations are an inherent part of the production process.

In general, design considerations are very important in machinery production. Establishments specialize in making machinery designed for particular applications. Thus, design is considered to be part of the production process for the purpose of implementing NAICS. The NAICS structure reflects this by defining industries and industry groups that make machinery for different applications. A broad distinction exists between machinery that is generally used in a variety of industrial applications (i.e., general-purpose machinery) and machinery that is

designed to be used in a particular industry (i.e., special-purpose machinery). Three industry groups consist of special-purpose machinery—Agricultural, Construction, and Mining Machinery Manufacturing; Industrial Machinery Manufacturing; and Commercial and Service Industry Machinery Manufacturing. The other industry groups make general-purpose machinery: Ventilation, Heating, Air-Conditioning, and Commercial Refrigeration Equipment Manufacturing; Metalworking Machinery Manufacturing; Engine, Turbine, and Power Transmission Equipment Manufacturing; and Other General-Purpose Machinery Manufacturing.

3331 Agriculture, Construction, and Mining Machinery Manufacturing

333111 Farm Machinery and Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing agricultural and farm machinery and equipment, and other turf and grounds care equipment, including planting, harvesting, and grass mowing equipment (except lawn and garden-type).

333112 Lawn and Garden Tractor and Home Lawn and Garden Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing powered lawnmowers, lawn and garden tractors, and other home lawn and garden equipment, such as tillers, shredders, and yard vacuums and blowers.

333120 Construction Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing construction machinery, surface mining machinery, and logging equipment.

333131 Mining Machinery and Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing underground mining machinery and equipment, such as coal breakers, mining cars, core drills, coal cutters, rock drills and (2) manufacturing mineral beneficiating machinery and equipment used in surface or underground mines.

333132 Oil and Gas Field Machinery and Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing oil and gas field machinery and equipment, such as oil and gas field drilling machinery and equipment; oil and gas field production machinery and equipment; and oil and gas field derricks and (2) manufacturing water well drilling machinery.

3332 Industrial Machinery Manufacturing

333210 Sawmill and Woodworking Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing sawmill and woodworking machinery (except handheld), such as circular and band sawing equipment, planing machinery, and sanding machinery.

333220 Plastics and Rubber Industry Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing plastics and rubber products making machinery, such as plastics compression, extrusion and injection molding machinery and equipment, and tire building and recapping machinery and equipment.

333291 Paper Industry Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing paper industry machinery for making paper and paper products, such as pulp making machinery, paper and paperboard making machinery, and paper and paperboard converting machinery.

333292 Textile Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing textile machinery for making thread, yarn, and fiber.

333293 Printing Machinery and Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing printing and bookbinding machinery and equipment, such as printing presses, type-setting machinery, and bindery machinery.

333294 Food Product Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing food and beverage manufacturing-type machinery and equipment, such as dairy product plant machinery and equipment (e.g., homogenizers, pasteurizers, ice cream freezers), bakery machinery and equipment (e.g., dough mixers, bake ovens, pastry rolling machines), meat and poultry processing and preparation machinery, and other commercial food products machinery (e.g., slicers, choppers, and mixers).

333295 Semiconductor Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing wafer processing equipment, semiconductor assembly and packaging equipment, and other semiconductor making machinery.

333298 All Other Industrial Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing industrial machinery (except agricultural and farm-type, construction and mining machinery, sawmill and woodworking machinery, plastics and rubber making machinery, paper and paperboard making machinery, textile machinery, printing machinery and equipment, food manufacturing-type machinery, and semiconductor making machinery).

3333 Commercial and Service Industry Machinery Manufacturing

333311 Automatic Vending Machine Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing coin, token, currency, or magnetic card operated vending machines and/or (2) manufacturing coin operated mechanism for machines, such as vending machines, lockers, and laundry machines.

333312 Commercial Laundry, Drycleaning, and Pressing Machine Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing commercial and industrial laundry and drycleaning equipment and pressing machines.

333313 Office Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing office machinery (except computers and photocopying equipment), such as mail-handling machinery and equipment, calculators, typewriters, and dedicated word processing equipment.

333314 Optical Instrument and Lens Manufacturing

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing optical instruments and lens, such as binoculars, microscopes (except electron, proton), telescopes, prisms, and lenses (except ophthalmic); (2) coating or polishing lenses (except ophthalmic); and (3) mounting lenses (except ophthalmic).

333315 Photographic and Photocopying Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing photographic and photocopying equipment, such as cameras (except television, video, digital projectors, film developing equipment, photocopying equipment, and microfilm equipment).

333319 Other Commercial and Service Industry Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing commercial and service industry equipment (except automatic vending machines, commercial laundry, drycleaning and pressing machines, office machinery, optical instruments and lenses, and photographic and photocopying equipment).

3334 Ventilation, Heating, Air-Conditioning, and Commercial Refrigeration Equipment Manufacturing

333411 Air Purification Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing stationary air purification equipment, such as industrial dust and fume collection equipment, electrostatic precipitation equipment, warm air furnace filters, air washers, and other dust collection equipment.

333412 Industrial and Commercial Fan and Blower Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing attic fans and industrial and commercial fans and blowers, such as commercial exhaust fans and commercial ventilating fans.

333414 Heating Equipment (Except Warm Air Furnaces) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing heating equipment (except electric and warm air furnaces), such as heating boilers, heating stoves, floor and wall furnaces, and wall and baseboard heating units.

333415 Air-Conditioning and Warm Air Heating Equipment and Commercial and Industrial Refrigeration Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing air-conditioning (except motor vehicle) and warm air furnace equipment and/or (2) manufacturing commercial and industrial refrigeration and freezer equipment.

3335 Metalworking Machinery Manufacturing

333511 Industrial Mold Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing industrial molds for casting metals or forming other materials, such as plastics, glass, or rubber.

333512 Machine Tool (Metal Cutting Types) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing metal cutting machine tools (except handtools).

333513 Machine Tool (Metal Forming Types) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing metal forming machine tools (except handtools), such as punching, sheering, bending, forming, pressing, forging and die-casting machines.

333514 Special Die and Tool, Die Set, Jig, and Fixture Manufacturing

This U.S. industry comprises establishments, known as tool and die shops, primarily engaged in manufacturing special tools and fixtures, such as cutting dies and jigs.

333515 Cutting Tool and Machine Tool Accessory Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing accessories and attachments for metal cutting and metal forming machine tools.

333516 Rolling Mill Machinery and Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing rolling mill machinery and equipment for metal production.

333518 Other Metalworking Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing metal working machinery (except industrial molds; metal cutting machine tools; metal forming machine tools; special dies and tools, die sets, jigs, and fixtures; cutting tools and machine tool accessories; and rolling mill machinery and equipment).

3336 Engine, Turbine, and Power Transmission Equipment Manufacturing

333611 Turbine and Turbine Generator Set Units Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing turbines (except aircraft); and complete turbine generator set units, such as steam, hydraulic, gas, and wind.

333612 Speed Changer, Industrial High-Speed Drive, and Gear Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing gears, speed changers, and industrial high-speed drives (except hydrostatic).

333613 Mechanical Power Transmission Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing mechanical power transmission equipment (except motor vehicle and aircraft), such as plain bearings, brakes and clutches (except motor vehicle and electromagnetic industrial control), couplings, joints, and drive chains.

333618 Other Engine Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing internal combustion engines (except automotive gasoline and aircraft).

3339 Other General-Purpose Machinery Manufacturing

333911 Pump and Pumping Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing general-purpose pumps and pumping equipment (except fluid power pumps and motors), such as reciprocating pumps, turbine pumps, centrifugal pumps, rotary pumps, diaphragm pumps, domestic water system pumps, oil well and oil field pumps and sump pumps.

333912 Air and Gas Compressor Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing general-purpose air and gas compressors, such as reciprocating compressors, centrifugal compressors, vacuum pumps (except laboratory), and nonagricultural spraying and dusting compressors and spray gun units.

333913 Measuring and Dispensing Pump Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing measuring and dispensing pumps, such as gasoline pumps and lubricating oil measuring and dispensing pumps.

333921 Elevator and Moving Stairway Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing elevators and moving stairways.

333922 Conveyor and Conveying Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing conveyors and conveying equipment, such as gravity conveyors, trolley conveyors, tow conveyors, pneumatic tube conveyors, carousel conveyors, farm conveyors, and belt conveyors.

333923 Overhead Traveling Crane, Hoist, and Monorail System Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing overhead traveling cranes, hoists, and monorail systems.

333924 Industrial Truck, Tractor, Trailer, and Stackers Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing industrial trucks, tractors, trailers, and stackers (i.e., truck-type) such as forklifts, pallet loaders and unloaders, and portable loading docks.

333991 Power-Driven Handtool Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing power-driven (e.g., battery, corded, pneumatic) handtools, such as drills, screwguns, circular saws, chain saws, staplers, and nailers.

333992 Welding and Soldering Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing welding and soldering equipment and accessories (except transformers), such as arc, resistance, gas, plasma, laser, electron beam, and ultrasonic welding equipment; welding electrodes; coated or cored welding wire; and soldering equipment (except handheld).

333993 Packaging Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing packaging machinery, such as wrapping, bottling, canning, and labeling machinery.

333994 Industrial Process Furnace and Oven Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing industrial process furnaces, ovens, induction and dielectric heating equipment, and kilns (except cement, chemical, wood).

333995 Fluid Power Cylinder and Actuator Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing fluid power (i.e., hydraulic and pneumatic) cylinders and actuators.

333996 Fluid Power Pump and Motor Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing fluid power (i.e., hydraulic and pneumatic) pumps and motors.

333997 Scale and Balance (Except Laboratory) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing scales and balances (except laboratory).

333999 All Other Miscellaneous General-Purpose Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing general-purpose machinery (except ventilating, heating, air-conditioning, and commercial refrigeration equipment; metal working machinery; engines, turbines, and power transmission equipment; pumps and compressors; material handling equipment; power-driven handtools; welding and soldering equipment; packaging machinery; industrial process furnaces and ovens; fluid power cylinders and actuators; fluid power pumps and motors; and scales and balances).

334 Computer and Electronic Product Manufacturing

Industries in the Computer and Electronic Product Manufacturing subsector group establishments that manufacture computers, computer peripherals, communications equipment, and similar electronic products, and establishments that manufacture components for such products. The Computer and Electronic Product Manufacturing industries have been combined in the hierarchy of NAICS because of the economic significance they have attained. Their rapid growth suggests that they will become even more important to the economies of all three North American countries in the future, and in addition their manufacturing processes are fundamentally different from the manufacturing processes of other machinery and equipment. The design and use of integrated circuits and the application of highly specialized miniaturization technologies are common elements in the production technologies of the computer and electronic subsector. Convergence of technology motivates this NAICS subsector. Digitalization of sound recording, for example, causes both the medium (the compact disc) and the equipment to resemble the technologies for recording, storing, transmitting, and manipulating data. Communications technology and equipment have been converging with computer technology. When technologically related components are in the same sector, it makes it easier to adjust the classification for future changes, without needing to redefine its basic structure. The creation of the Computer and Electronic Product Manufacturing subsector will assist in delineating new and emerging industries because the activities that will serve as the probable sources of new industries, such as computer manufacturing and communications equipment manufacturing, or computers and audio equipment are brought together. As new activities emerge, they are less likely, therefore, to cross the subsector boundaries of the classification.

3341 Computer and Peripheral Equipment Manufacturing

334111 Electronic Computer Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing and/or assembling electronic computers, such as mainframes, personal computers, workstations, laptops, and computer servers. Computers can be analog, digital, or hybrid. Digital computers, the most common type, are devices that do all of the following: (1) store the processing program or programs and the data immediately necessary for the execution of the program; (2) can be freely programmed in accordance with the requirements of the user; (3) perform arithmetical computations specified by the user; and (4) execute, without human intervention, a processing program that requires the computer to modify its execution by logical decision during the processing run. Analog computers are capable of simulating mathematical models and contain at least analog, control, and programming elements. The manufacture of computers includes the assembly or integration of processors, coprocessors, memory, storage, and input/output devices into a user-programmable final product.

334112 Computer Storage Device Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing computer storage devices that allow the storage and retrieval of data from a phase change, magnetic, optical, or magnetic/optical media. Examples of products made by these establishments are CD-ROM drives, floppy disk drives, hard disk drives, and tape storage and backup units.

334113 Computer Terminal Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing computer terminals. Computer terminals are input/output devices that connect with a central computer for processing.

334119 Other Computer Peripheral Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing computer peripheral equipment (except storage devices and computer terminals).

3342 Communications Equipment Manufacturing

334210 Telephone Apparatus Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing wire telephone and data communications equipment. These products may be stand-alone or board-level components of a larger system. Examples of products made by these establishments are central office switching equipment, cordless telephones

(except cellular), PBX equipment, telephones, telephone answering machines, and data communications equipment, such as bridges, routers, and gateways.

334220 Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing radio and television broadcast and wireless communications equipment. Examples of products made by these establishments are: transmitting and receiving antennas, cable television equipment, GPS equipment, pagers, cellular phones, mobile communications equipment, and radio and television studio and broadcasting equipment.

334290 Other Communications Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing communications equipment (except telephone apparatus, radio and television broadcast, and wireless communications equipment).

3343 Audio and Video Equipment Manufacturing

334310 Audio and Video Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electronic audio and video equipment for home entertainment, motor vehicle, public address and musical instrument amplifications. Examples of products made by these establishments are video cassette recorders, televisions, stereo equipment, speaker systems, household-type video cameras, jukeboxes, and amplifiers for musical instruments and public address systems.

3344 Semiconductor and Other Electronic Component Manufacturing

334411 Electron Tube Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electron tubes and parts (except glass blanks). Examples of products made by these establishments are cathode ray tubes (i.e., picture tubes), klystron tubes, magnetron tubes, and traveling wave tubes.

334412 Bare Printed Circuit Board Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing bare (i.e., rigid or flexible) printed circuit boards without mounted electronic components. These establishments print, perforate, plate, screen, etch, or photoprint interconnecting pathways for electric current on laminates.

334413 Semiconductor and Related Device Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing semiconductors and related solid state devices. Examples of products made by these establishments are integrated circuits, memory chips, microprocessors, diodes, transistors, solar cells, and other optoelectronic devices.

334414 Electronic Capacitor Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electronic fixed and variable capacitors and condensers.

334415 Electronic Resistor Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electronic resistors, such as fixed and variable resistors, resistor networks, thermistors, and varistors.

334416 Electronic Coil, Transformer, and Other Inductor Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electronic inductors, such as coils and transformers.

334417 Electronic Connector Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electronic connectors, such as coaxial, cylindrical, rack and panel, pin and sleeve, printed circuit and fiber optic.

334418 Printed Circuit Assembly (Electronic Assembly) Manufacturing

This U.S. industry comprises establishments primarily engaged in loading components onto printed circuit boards or who manufacture and ship loaded printed circuit boards. Also known as printed circuit assemblies, electronics assemblies, or modules, these products are printed circuit boards that have some or all of the semiconductor and electronic components inserted or mounted and are inputs to a wide variety of electronic systems and devices.

334419 Other Electronic Component Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electronic components (except electron tubes; bare printed circuit boards; semiconductors and related devices; electronic capacitors; electronic resistors; coils, transformers and other inductors; connectors; and loaded printed circuit boards).

3345 Navigational, Measuring, Medical, and Control Instruments Manufacturing

334510 Electromedical and Electrotherapeutic Apparatus Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electromedical and electrotherapeutic apparatus, such as magnetic resonance imaging equipment, medical ultrasound equipment, pacemakers, hearing aids, electrocardiographs, and electromedical endoscopic equipment.

334511 Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing search, detection, navigation, guidance, aeronautical, and nautical systems and instruments. Examples of products made by these establishments are aircraft instruments (except engine), flight recorders, navigational instruments and systems, radar systems and equipment, and sonar systems and equipment.

334512 Automatic Environmental Control Manufacturing for Residential, Commercial, and Appliance Use

This U.S. industry comprises establishments primarily engaged in manufacturing automatic controls and regulators for applications, such as heating, air-conditioning, refrigeration and appliances.

334513 Instruments and Related Products Manufacturing for Measuring, Displaying, and Controlling Industrial Process Variables

This U.S. industry comprises establishments primarily engaged in manufacturing instruments and related devices for measuring, displaying, indicating, recording, transmitting, and controlling industrial process variables. These instruments measure, display or control (monitor, analyze, and so forth) industrial process variables, such as temperature, humidity, pressure, vacuum, combustion, flow, level, viscosity, density, acidity, concentration, and rotation.

334514 Totalizing Fluid Meter and Counting Device Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing totalizing (i.e., registering) fluid meters and counting devices. Examples of products made by these establishments are gas consumption meters, water consumption meters, parking meters, taxi meters, motor vehicle gauges, and fare collection equipment.

334515 Instrument Manufacturing for Measuring and Testing Electricity and Electrical Signals

This U.S. industry comprises establishments primarily engaged in manufacturing instruments for measuring and testing the characteristics of electricity and electrical signals. Examples of products made by these establishments are circuit and continuity testers, volt meters, ohm meters, wattmeters, multimeters, and semiconductor test equipment.

334516 Analytical Laboratory Instrument Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing instruments and instrumentation systems for laboratory analysis of the chemical or physical composition or concentration of samples of solid, fluid, gaseous, or composite material.

334517 Irradiation Apparatus Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing irradiation apparatus and tubes for applications, such as medical diagnostic, medical therapeutic, industrial, research and scientific evaluation. Irradiation can take the form of beta-rays, gamma-rays, X-rays, or other ionizing radiation.

334518 Watch, Clock, and Parts Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing and/or assembling clocks; watches; timing mechanisms for clockwork operated devices; time clocks; time and date recording devices; and clock and watch parts (except crystals), such as springs, jewels, and modules.

334519 Other Measuring and Controlling Device Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing measuring and controlling devices (except search, detection, navigation, guidance, aeronautical, and nautical instruments and systems; automatic environmental controls for residential, commercial, and appliance use; instruments for measurement, display, and control of industrial process variables; totalizing fluid meters and counting devices; instruments for measuring and testing electricity and electrical signals; analytical laboratory instruments; watches, clocks, and parts; irradiation equipment; and electromedical and electrotherapeutic apparatus).

3346 Manufacturing and Reproducing Magnetic and Optical Media

334611 Software Reproducing

This U.S. industry comprises establishments primarily engaged in mass reproducing computer software. These establishments do not generally develop any software;

they mass reproduce data and programs on magnetic media, such as diskettes, tapes, or cartridges. Establishments in this industry mass reproduce products, such as CD-ROMs and game cartridges.

334612 Prerecorded Compact Disc (Except Software), Tape, and Record Reproducing

This U.S. industry comprises establishments primarily engaged in mass reproducing audio and video material on magnetic or optical media. Examples of products mass reproduced by these establishments are audio compact discs, prerecorded audio and video cassettes, and laser discs.

334613 Magnetic and Optical Recording Media Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing magnetic and optical recording media, such as blank magnetic tape, blank diskettes, blank optical discs, hard drive media, and blank magnetic tape cassettes.

335 Electrical Equipment, Appliance, and Component Manufacturing

Industries in the Electrical Equipment, Appliance, and Component Manufacturing subsector manufacture products that generate, distribute and use electrical power. Electric lighting equipment manufacturing establishments produce electric lamp bulbs, lighting fixtures, and parts. Household appliance manufacturing establishments make both small and major electrical appliances and parts. Electrical equipment manufacturing establishments make goods, such as electric motors, generators, transformers, and switchgear apparatus. Other electrical equipment and component manufacturing establishments make devices for storing electrical power (e.g., batteries), for transmitting electricity (e.g., insulated wire), and wiring devices (e.g., electrical outlets, fuse boxes, and light switches).

3351 Electric Lighting Equipment Manufacturing

335110 Electric Lamp Bulb and Part Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electric light bulbs and tubes, and parts and components (except glass blanks for electric light bulbs).

335121 Residential Electric Lighting Fixture Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing fixed or portable residential electric lighting fixtures and lamp shades of metal, paper, or textiles. Residential electric lighting fixtures include those for use both inside and outside the residence.

335122 Commercial, Industrial, and Institutional Electric Lighting Fixture Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing commercial, industrial, and institutional electric lighting fixtures.

335129 Other Lighting Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electric lighting fixtures (except residential, commercial, industrial, institutional, and vehicular electric lighting fixtures) and nonelectric lighting equipment.

3352 Household Appliance Manufacturing

335211 Electric Housewares and Household Fan Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing small electric appliances and electric housewares for heating, cooking, and other purposes, and electric household-type fans (except attic fans).

335212 Household Vacuum Cleaner Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electric vacuum cleaners, electric floor waxing machines, and other electric floor care machines typically for household use.

335221 Household Cooking Appliance Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing household-type electric and nonelectric cooking equipment (except small electric appliances and electric housewares).

335222 Household Refrigerator and Home Freezer Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing household-type refrigerators and upright and chest freezers.

335224 Household Laundry Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing household-type laundry equipment.

335228 Other Major Household Appliance Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electric and nonelectric major household-type appliances (except cooking equipment, refrigerators, upright and chest freezers, and household-type laundry equipment).

3353 Electrical Equipment Manufacturing

335311 Power, Distribution, and Specialty Transformer Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing power, distribution, and specialty transformers (except electronic components). Industrial-type and consumer-type transformers in this industry vary (e.g., step up or step down) voltage but do not convert alternating to direct or direct to alternating current.

335312 Motor and Generator Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electric motors (except internal combustion engine starting motors), power generators (except battery charging alternators for internal combustion engines), and motor generator sets (except turbine generator set units). This industry includes establishments rewinding armatures on a factory basis.

335313 Switchgear and Switchboard Apparatus Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing switchgear and switchboard apparatus.

335314 Relay and Industrial Control Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing relays, motor starters and controllers, and other industrial controls and control accessories.

3359 Other Electrical Equipment and Component Manufacturing

335911 Storage Battery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing storage batteries.

335912 Primary Battery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing wet or dry primary batteries.

335921 Fiber Optic Cable Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing insulated fiber-optic cable from purchased fiber-optic strand.

335929 Other Communication and Energy Wire Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing insulated wire and cable of nonferrous metals from purchased wire.

335931 Current-Carrying Wiring Device Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing current-carrying wiring devices.

335932 Noncurrent-Carrying Wiring Device Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing noncurrent-carrying wiring devices.

335991 Carbon and Graphite Product Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing carbon, graphite, and metal-graphite brushes and brush stock; carbon or graphite electrodes for thermal and electrolytic uses; carbon and graphite fibers; and other carbon, graphite, and metal-graphite products.

335999 All Other Miscellaneous Electrical Equipment and Component Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing industrial and commercial electric apparatus and other equipment (except lighting equipment, household appliances, transformers, motors, generators, switchgear, relays, industrial controls, batteries, communication and energy wire and cable, wiring devices, and carbon and graphite products). This industry includes power converters (i.e., AC to DC and DC to AC), power supplies, surge suppressors, and similar equipment for industrial-type and consumer-type equipment.

336 Transportation Equipment Manufacturing

Industries in the Transportation Equipment Manufacturing subsector produce equipment for transporting people and goods. Transportation equipment is a type of machinery. An entire subsector is devoted to this activity because of the significance of its economic size in all three North American countries.

Establishments in this subsector utilize production processes similar to those of other machinery manufacturing establishments - bending, forming, welding, machining, and assembling metal or plastic parts into components and finished products. However, the assembly of components and subassemblies and their further assembly into finished vehicles tends to be a more common production process in this subsector than in the Machinery Manufacturing subsector.

NAICS has industry groups for the manufacture of equipment for each mode of transport - road, rail, air, and water. Parts for motor vehicles warrant a separate industry group because of their importance and because parts

manufacture requires less assembly, and the establishments that manufacture only parts are not as vertically integrated as those that make complete vehicles.

Land use motor vehicle equipment not designed for highway operation (e.g., agricultural equipment, construction equipment, and materials handling equipment) is classified in the appropriate NAICS subsector based on the type and use of the equipment.

3361 Motor Vehicle Manufacturing

336111 Automobile Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing complete automobiles (i.e., body and chassis or unibody) or (2) manufacturing automobile chassis only.

336112 Light Truck and Utility Vehicle Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing complete light trucks and utility vehicles (i.e., body and chassis) or (2) manufacturing light truck and utility vehicle chassis only. Vehicles made include light duty vans, pick-up trucks, minivans, and sport utility vehicles.

336120 Heavy Duty Truck Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing heavy duty truck chassis and assembling complete heavy duty trucks, buses, heavy duty motor homes, and other special-purpose, heavy duty motor vehicles for highway use or (2) manufacturing heavy duty truck chassis only.

3362 Motor Vehicle Body and Trailer Manufacturing

336211 Motor Vehicle Body Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing truck and bus bodies and cabs and automobile bodies. The products made may be sold separately or may be assembled on purchased chassis and sold as complete vehicles.

336212 Truck Trailer Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing truck trailers, truck trailer chassis, cargo container chassis, detachable trailer bodies, and detachable trailer chassis for sale separately.

336213 Motor Home Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing motor homes on purchased chassis and/or (2) manufacturing conversion vans on an assembly line basis. Motor homes are units where the motor and the living quarters are integrated in the same unit.

336214 Travel Trailer and Camper Manufacturing

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing travel trailers and campers designed to attach to motor vehicles; (2) manufacturing pickup coaches (i.e., campers) and caps (i.e., covers) for mounting on pickup trucks; and (3) manufacturing automobile, utility, and light-truck trailers. Travel trailers do not have their own motor but are designed to be towed by a motor unit, such as an automobile or a light truck.

3363 Motor Vehicle Parts Manufacturing

336311 Carburetor, Piston, Piston Ring, and Valve Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing and/or rebuilding carburetors, pistons, piston rings, and engine intake and exhaust valves.

336312 Gasoline Engine and Engine Parts Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing and/or rebuilding gasoline motor vehicle engines and gasoline motor vehicle engine parts, excluding carburetors, pistons, piston rings, and valves.

336321 Vehicular Lighting Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing vehicular lighting fixtures.

336322 Other Motor Vehicle Electrical and Electronic Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing and/or rebuilding electrical and electronic equipment for motor vehicles and internal combustion engines.

336330 Motor Vehicle Steering and Suspension Component (Except Spring) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle steering mechanisms and suspension components (except springs).

336340 Motor Vehicle Brake System Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle brake systems and related components.

336350 Motor Vehicle Transmission and Power Train Parts Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle transmission and power train parts.

336360 Motor Vehicle Seating and Interior Trim Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing motor vehicle seating, seats, seat frames, seat belts, and interior trimmings.

336370 Motor Vehicle Metal Stamping

This U.S. industry comprises establishments primarily engaged in manufacturing motor vehicle stampings, such as fenders, tops, body parts, trim, and molding.

336391 Motor Vehicle Air-Conditioning Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing air-conditioning systems and compressors for motor vehicles, such as automobiles, trucks, buses, aircraft, farm machinery, construction machinery, and other related vehicles.

336399 All Other Motor Vehicle Parts Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle parts and accessories (except motor vehicle gasoline engines and engine parts, motor vehicle electrical and electronic equipment, motor vehicle steering and suspension components, motor vehicle brake systems, motor vehicle transmission and power train parts, motor vehicle seating and interior trim, motor vehicle stampings, and motor vehicle air-conditioning systems and compressors).

3364 Aerospace Product and Parts Manufacturing

336411 Aircraft Manufacturing

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing or assembling complete aircraft; (2) developing and making aircraft prototypes; (3) aircraft conversion (i.e., major modifications to systems); and (4) complete aircraft overhaul and rebuilding (i.e., periodic restoration of aircraft to original design specifications).

336412 Aircraft Engine and Engine Parts Manufacturing

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing aircraft engines and engine parts; (2) developing and making prototypes of aircraft engines and engine parts;

(3) aircraft propulsion system conversion (i.e., major modifications to systems); and (4) aircraft propulsion systems overhaul and rebuilding (i.e., periodic restoration of aircraft propulsion system to original design specifications).

336413 Other Aircraft Parts and Auxiliary Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing aircraft parts or auxiliary equipment (except engines and aircraft fluid power subassemblies) and/or (2) developing and making prototypes of aircraft parts and auxiliary equipment. Auxiliary equipment includes such items as crop dusting apparatus, armament racks, inflight refueling equipment, and external fuel tanks.

336414 Guided Missile and Space Vehicle Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing complete guided missiles and space vehicles and/or (2) developing and making prototypes of guided missile or space vehicles.

336415 Guided Missile and Space Vehicle Propulsion Unit and Propulsion Unit Parts Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing guided missile and/or space vehicle propulsion units and propulsion unit parts and/or (2) developing and making prototypes of guided missile and space vehicle propulsion units and propulsion unit parts.

336419 Other Guided Missile and Space Vehicle Parts and Auxiliary Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing guided missile and space vehicle parts and auxiliary equipment (except guided missile and space vehicle propulsion units and propulsion unit parts) and/or (2) developing and making prototypes of guided missile and space vehicle parts and auxiliary equipment.

3365 Railroad Rolling Stock Manufacturing

336510 Railroad Rolling Stock Manufacturing

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing and/or rebuilding locomotives, locomotive frames, and parts; (2) manufacturing railroad, street, and rapid transit cars and car equipment for operation on rails for freight and passenger service; and (3) manufacturing rail layers, ballast distributors, rail tamping equipment, and other railway track maintenance equipment.

3366 Ship and Boat Building

336611 Ship Building and Repairing

This U.S. industry comprises establishments primarily engaged in operating a shipyard. Shipyards are fixed facilities with drydocks and fabrication equipment capable of building a ship, defined as watercraft typically suitable or intended for other than personal or recreational use. Activities of shipyards include the construction of ships, their repair, conversion and alteration, the production of prefabricated ship and barge sections, and specialized services, such as ship scaling.

336612 Boat Building

This U.S. industry comprises establishments primarily engaged in building boats. Boats are defined as watercraft not built in shipyards and typically of the type suitable or intended for personal use.

3369 Other Transportation Equipment Manufacturing

336991 Motorcycle, Bicycle, and Parts Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing motorcycles, bicycles, tricycles and similar equipment and parts.

336992 Military Armored Vehicle, Tank, and Tank Component Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing complete military armored vehicles, combat tanks, specialized components for combat tanks, and self-propelled weapons.

336999 All Other Transportation Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing transportation equipment (except motor vehicles, motor vehicle parts, boats, ships, railroad rolling stock, aerospace products, motorcycles, bicycles, armored vehicles, and tanks).

337 Furniture and Related Product Manufacturing

Industries in the Furniture and Related Product Manufacturing subsector make furniture and related articles, such as mattresses, window blinds, cabinets, and fixtures. The processes used in the manufacture of furniture include the cutting, bending, molding, laminating, and assembly of such materials as wood, metal, glass, plastics, and rattan. However, the production process for furniture is not solely bending metal, cutting and shaping wood, or extruding and molding plastics. Design and fashion trends play an important part in the production of furniture. The integrated design of the article for both

esthetic and functional qualities is also a major part of the process of manufacturing furniture. Design services may be performed by the furniture establishment's work force or may be purchased from industrial designers.

Furniture may be made of any material, but the most common ones used in North America are metal and wood. Furniture manufacturing establishments may specialize in making articles primarily from one material. Some of the equipment required to make a wooden table, for example, is different from that used to make a metal one. However, furniture is usually made from several materials. A wooden table might have metal brackets, and a wooden chair, a fabric or plastics seat. Therefore, in NAICS, furniture initially is classified based on the type of furniture (application for which it is designed) rather than the material used. For example, an upholstered sofa is treated as household furniture, although it may also be used in hotels or offices.

When classifying furniture according to the component material from which it is made, furniture made from more than one material is classified based on the material used in the frame, or if there is no frame, the predominant component material. Upholstered household furniture (excluding kitchen and dining room chairs with upholstered seats) is classified without regard to the frame material. Kitchen or dining room chairs with upholstered seats are classified according to the frame material.

Furniture may be made on a stock or custom basis and may be shipped assembled or unassembled (i.e., knockdown). The manufacture of furniture parts and frames is included in this subsector.

Some of the processes used in furniture manufacturing are similar to processes that are used in other segments of manufacturing. For example, cutting and assembly occurs in the production of wood trusses that are classified in Subsector 321, Wood Product Manufacturing. However, the multiple processes that distinguish wood furniture manufacturing from wood product manufacturing warrant inclusion of wooden furniture manufacturing in the Furniture and Related Product Manufacturing subsector. Metal furniture manufacturing uses techniques that are also employed in the manufacturing of roll-formed products classified in Subsector 332, Fabricated Metal Product Manufacturing. The molding process for plastics furniture is similar to the molding of other plastics products. However, plastics furniture producing establishments tend to specialize in furniture.

NAICS attempts to keep furniture manufacturing together, but there are two notable exceptions: seating for transportation equipment and laboratory and hospital furniture. These exceptions are related to that fact that some of the aspects of the production process for these products, primarily the design, are highly integrated with that of other manufactured goods, namely motor vehicles and health equipment.

3371 Household and Institutional Furniture and Kitchen Cabinet Manufacturing

337110 Wood Kitchen Cabinet and Countertop Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing wood or plastics laminated on wood kitchen cabinets, bathroom vanities, and countertops (except freestanding). The cabinets and counters may be made on a stock or custom basis.

337121 Upholstered Household Furniture Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing upholstered household-type furniture. The furniture may be made on a stock or custom basis.

337122 Nonupholstered Wood Household Furniture Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing nonupholstered wood household-type furniture and freestanding cabinets (except television, radio, and sewing machine cabinets). The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

337124 Metal Household Furniture Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing metal household-type furniture and freestanding cabinets. The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

337125 Household Furniture (Except Wood and Metal) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing household-type furniture of materials other than wood or metal, such as plastics, reed, rattan, wicker, and fiberglass. The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

337127 Institutional Furniture Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing institutional-type furniture (e.g., library, school, theater, and church furniture). The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

337129 Wood Television, Radio, and Sewing Machine Cabinet Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing wood cabinets used as housings by television, stereo, loudspeaker, and sewing machine manufacturers.

3372 Office Furniture (Including Fixtures) Manufacturing

337211 Wood Office Furniture Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing wood office-type furniture. The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

337212 Custom Architectural Woodwork and Millwork Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing custom designed interiors consisting of architectural woodwork and fixtures utilizing wood, wood products, and plastics laminates. All of the industry output is made to individual order on a job shop basis and requires skilled craftsmen as a labor input. A job might include custom manufacturing of display fixtures, gondolas, wall shelving units, entrance and window architectural detail, sales and reception counters, wall paneling, and matching furniture.

337214 Office Furniture (Except Wood) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing nonwood office-type furniture. The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

337215 Showcase, Partition, Shelving, and Locker Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing wood and nonwood office and store fixtures, shelving, lockers, frames, partitions, and related fabricated products of wood and nonwood materials, including plastics laminated fixture tops. The products are made on a stock basis and may be assembled or unassembled (i.e., knockdown). Establishments exclusively making furniture parts (e.g., frames) are included in this industry.

3379 Other Furniture Related Product Manufacturing

337910 Mattress Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing innerspring, box spring, and noninnerspring mattresses, including mattresses for waterbeds.

337920 Blind and Shade Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing one or more of the following: venetian blinds, other window blinds, shades; curtain and

drapery rods, poles; and/or curtain and drapery fixtures. The blinds and shades may be made on a stock or custom basis and may be made of any material.

339 Miscellaneous Manufacturing

Industries in the Miscellaneous Manufacturing subsector make a wide range of products that cannot readily be classified in specific NAICS subsectors in manufacturing. Processes used by these establishments vary significantly, both among and within industries. For example, a variety of manufacturing processes are used in manufacturing sporting and athletic goods that include products, such as tennis racquets and golf balls. The processes for these products differ from each other, and the processes differ significantly from the fabrication processes used in making dolls or toys, the melting and shaping of precious metals to make jewelry, and the bending, forming, and assembly used in making medical products.

The industries in this subsector are defined by what is made rather than how it is made. Although individual establishments might be appropriately classified elsewhere in the NAICS structure, for historical continuity, these product-based industries were maintained. In most cases, no one process or material predominates for an industry.

Establishments in this subsector manufacture products as diverse as medical equipment and supplies, jewelry, sporting goods, toys, and office supplies.

3391 Medical Equipment and Supplies Manufacturing

339111 Laboratory Apparatus and Furniture Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing laboratory apparatus and laboratory and hospital furniture (except dental). Examples of products made by these establishments are hospital beds, operating room tables, laboratory balances and scales, furnaces, ovens, centrifuges, cabinets, cases, benches, tables, and stools.

339112 Surgical and Medical Instrument Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing medical, surgical, ophthalmic, and veterinary instruments and apparatus (except electrotherapeutic, electromedical, and irradiation apparatus). Examples of products made by these establishments are syringes, hypodermic needles, anesthesia apparatus, blood transfusion equipment, catheters, surgical clamps, and medical thermometers.

339113 Surgical Appliance and Supplies Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing surgical appliances and supplies. Examples of products made by these establishments

are orthopedic devices, prosthetic appliances, surgical dressings, crutches, surgical sutures, and personal industrial safety devices (except protective eyewear).

339114 Dental Equipment and Supplies Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing dental equipment and supplies used by dental laboratories and offices of dentists, such as dental chairs, dental instrument delivery systems, dental hand instruments, and dental impression material.

339115 Ophthalmic Goods Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing ophthalmic goods. Examples of products made by these establishments are prescription eyeglasses (except manufactured in a retail setting), contact lenses, sunglasses, eyeglass frames, and reading glasses made to standard powers.

339116 Dental Laboratories

This U.S. industry comprises establishments primarily engaged in manufacturing dentures, crowns, bridges, and orthodontic appliances customized for individual application.

3399 Other Miscellaneous Manufacturing

339911 Jewelry (Except Costume) Manufacturing

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing, engraving, chasing, or etching precious metal solid or precious metal clad jewelry; (2) manufacturing, engraving, chasing, or etching personal goods (i.e., small articles carried on or about the person, such as compacts or cigarette cases) made of precious solid or clad metal; and (3) stamping coins.

339912 Silverware and Holloware Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing, engraving, chasing, or etching precious metal solid, precious metal clad, or pewter flatware and other plated ware.

339913 Jewelers' Material and Lapidary Work Manufacturing

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing unassembled jewelry parts and stock shop products, such as sheet, wire, and tubing; (2) cutting, slabbing, tumbling, carving, engraving, polishing or faceting precious or semiprecious stones and gems; (3) recutting, repolishing, and setting gem stones; and (4) drilling, sawing, and peeling cultured pearls.

339914 Costume Jewelry and Novelty Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing, engraving, chasing, and etching costume jewelry; and/or (2) manufacturing, engraving, chasing, or etching nonprecious metal personal goods (i.e., small articles carried on or about the person, such as compacts or cigarette cases). This industry includes establishments primarily engaged in manufacturing precious plated jewelry and precious plated personal goods.

339920 Sporting and Athletic Goods Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing sporting and athletic goods (except apparel and footwear).

339931 Doll and Stuffed Toy Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing complete dolls, doll parts, and doll clothes, action figures, and stuffed toys.

339932 Game, Toy, and Children's Vehicle Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing games (including electronic), toys, and children's vehicles (except bicycles and metal tricycles).

339941 Pen and Mechanical Pencil Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing pens, ballpoint pen refills and cartridges, mechanical pencils, and felt tipped markers.

339942 Lead Pencil and Art Goods Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing nonmechanical pencils and art goods. Examples of products made by these establishments are pencil leads, crayons, chalk, framed blackboards, pencil sharpeners, staplers, artists' palettes and paints, and modeling clay.

339943 Marking Device Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing marking devices, such as hand operated stamps, embossing stamps, stamp pads, and stencils.

339944 Carbon Paper and Inked Ribbon Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing carbon paper and inked ribbons.

339950 Sign Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing signs and related displays of all materials (except printing paper and paperboard signs, notices, displays).

339991 Gasket, Packing, and Sealing Device Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing gaskets, packing, and sealing devices of all materials.

339992 Musical Instrument Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing musical instruments (except toys).

339993 Fastener, Button, Needle, and Pin Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing fasteners, buttons, needles, pins, and buckles (except precious metals or precious and semiprecious stones and gems).

339994 Broom, Brush, and Mop Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing brooms, mops, and brushes.

339995 Burial Casket Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing burial caskets, cases, and vaults (except concrete).

339999 All Other Miscellaneous Manufacturing

This U.S. industry comprises establishments primarily engaged in miscellaneous manufacturing (except medical equipment and supplies, jewelry and flatware, sporting and athletic goods, dolls, toys, games, office supplies (except paper), musical instruments, fasteners, buttons, needles, pins, brooms, brushes, mops, and burial caskets).

Appendix C.

Coverage and Methodology

MAIL/NONMAIL UNIVERSE

The manufacturing universe includes about 400,000 establishments. This number includes those industries in the North American Industry Classification System (NAICS) definition of manufacturing, but not those industries leaving the manufacturing sector in the classification change. The amounts of information requested from manufacturing establishments were dependent upon a number of factors. The more important considerations were the size of the company and whether it was included in the annual survey of manufactures (ASM). The methods of obtaining information for the various subsets of the universe to arrive at the aggregate figures shown in the publication are described below:

1. Small single-establishment companies not sent a report form.

Approximately 40 percent of the manufacturing establishments were small single-establishment companies that were excused from filing a census report. Selection of these establishments was based on two factors: annual payroll and our ability to assign the correct six-digit NAICS industry classification to the establishment. For each four-digit Standard Industrial Classification (SIC) industry code, an annual payroll cutoff was determined. These cutoffs were derived so that the establishments with payroll less than the cutoff were expected to account for no more than 3 percent of the value of shipments for the industry. Generally, all single-establishment companies with less than 5 employees were excused, while all establishments with more than 20 employees were mailed forms. Establishments below the cutoff that could not be directly assigned a six-digit NAICS code were mailed a classification report which requested information for assigning NAICS industry codes. Establishments below the cutoff that could be directly assigned a six-digit NAICS code were excused from filing any report. For below cutoff establishments, information on the physical location, payroll, and receipts was obtained from the administrative records of other Federal agencies under special arrangements that safeguarded their confidentiality.

Estimates of data for these small establishments were developed using industry averages in conjunction with the administrative information. The value of shipments and cost of materials were not distributed among specific products and materials for these

establishments but were included in the product and material “not specified by kind” (nisk) categories.

The industry classification codes included in the administrative-record files were assigned on the basis of brief descriptions of the general activity of the establishment. As a result, an indeterminate number of establishments were erroneously coded to a four-digit SIC industry and then erroneously re-coded to a six-digit NAICS industry. This was especially true whenever there was a relatively fine line of demarcation between industries or between manufacturing and nonmanufacturing activity.

Sometimes the administrative-record cases had only two- or three-digit SIC group classification codes available in the files. For the 1997 Economic Census – Manufacturing, these establishments were sent a separate classification form, which requested information on the products and services of the establishment. This form was used to code many of these establishments to the appropriate six-digit NAICS level. Establishments that did not return the classification form were coded later to those six-digit NAICS industries identified as “All other” industries within the given subsector.

As a result of these situations, a number of small establishments may have been misclassified by industry. However, such possible misclassification has no significant effect on the statistics other than on the number of companies and establishments.

The total establishment count for individual industries should be viewed as an approximation rather than a precise measurement. The counts for establishments with 20 employees or more are far more reliable than the count of total number of establishments.

2. Establishments sent a report form.

The establishments covered in the mail canvass were divided into three groups:

- a. ASM sample establishments.

This group accounts for approximately 15 percent of all manufacturing establishments. The ASM panel covers all the units of large manufacturing establishments as well as a sample of the medium and smaller establishments. The probability of selection was proportionate to size. For more information, see the Description of the ASM Survey Sample.

In an economic census year, the ASM report form (MA-1000) replaces the first page of the regular census form for those establishments included in the ASM. In addition to information on employment, payroll, and other items normally requested on the regular census form, establishments in the ASM sample were requested to supply additional information on gross book value of assets and capital expenditures. ASM establishments were also requested to provide information on retirements, depreciation, rental payments, and supplemental labor costs. For establishments not included in the ASM, these additional items were estimated using relationships observed in the ASM establishment data. The census statistics for these variables are a sum of the ASM establishment data and the estimated data for non-ASM establishments. ASM establishments were also requested to provide information for selected purchased services. The census statistics for the purchased service items were derived solely from the ASM establishments. See Appendix A, Explanation of Terms for an explanation of these items. The census part of the report form is 1 of 220 versions containing product, material, and special inquiries. The diversity of manufacturing activities necessitated the use of this many forms to canvass the 480 manufacturing industries. Each form was developed for a group of related industries.

Appearing on each form was a list of products primary to the group of related industries as well as secondary products and miscellaneous services that establishments classified in these industries were likely to perform. Respondents were requested to identify the products, the value of each product, and, in many cases, the quantity of the product shipped during the survey year. Space also was provided for the respondent to describe products not specifically identified on the form.

The report form also contained a materials-consumed inquiry which varied from form to form depending on the industries being canvassed. The respondents were asked to review a list of materials generally used in their production processes. From this list, each establishment was requested to identify those materials consumed during the survey year, the cost of each, and, in certain cases, the quantity consumed. Once again, space was provided for the respondent to describe significant materials not identified on the form.

A wide variety of special inquiries was included to measure activities peculiar to a given industry, such as operations performed and equipment used.

b. Large and medium establishments (non-ASM).

Approximately 30 percent of all manufacturing establishments were included in this group. A variable cutoff, based on administrative-record payroll data and determined on an industry-by-industry basis, was used to select those establishments that were to receive 1 of the 220 economic census – manufacturing regular forms. The first page, requesting establishment data for items such as employment and payroll, was standard but did not contain the detailed statistics included on the ASM form. The product, material, and special inquiry sections supplied were based on the historical industry classification of the establishment.

c. Small single-establishment companies (non-ASM).

This group includes approximately 15 percent of all manufacturing establishments. For those industries where application of the variable cutoff for administrative-record cases resulted in a large number of small establishments being included in the mail canvass, an abbreviated or short form was used. These establishments received 1 of the 31 versions of the short form, which requested summary product and material data and totals but no details on employment, payroll, cost of materials, inventories, and capital expenditures.

Use of the short form has no adverse effect on published totals for the industry statistics because the same data were collected on the short form as on the long form. However, detailed information on products and materials consumed was not collected on the short form; thus, its use would increase the value of the *nsk* categories.

INDUSTRY CLASSIFICATION OF ESTABLISHMENTS

Each of the establishments covered in the 1997 Economic Census – Manufacturing was classified in 1 of 480 industries (473 manufacturing industries and 7 former manufacturing industries) in accordance with the industry definitions in the 1997 NAICS Manual. This is the first edition of the NAICS Manual and it is a major change from the 1987 SIC Manual that was used previously. Appendix A of the 1997 NAICS Manual notes the comparability between the 1987 SIC and 1997 NAICS classification systems. When applicable, Appendix G of this report shows the product class and product comparability between the two systems for data in this report.

In the NAICS system, an industry is generally defined as a group of establishments that have similar production processes. To the extent practical, the system uses supply-based or production-oriented concepts in defining industries. The resulting group of establishments must be significant in terms of number, value added by manufacture, value of shipments, and number of employees.

The coding system works in such a way that the definitions progressively become narrower with successive additions of numerical digits. In the manufacturing sector for 1997, there are 21 subsectors (three-digit NAICS), 86 industry groups (four-digit NAICS), 184 NAICS industries (five-digit NAICS) that are comparable with Canadian and Mexican classification, and 473 U.S. industries (six-digit NAICS). This represents an expansion of the four-digit SIC-based U.S. industries from 459 in 1987. Product classes and products of the manufacturing industries have been assigned codes based on the industry from which they originate. In the new system, there are about 1,500 product classes (seven-digit codes), about 6,000 census products, and an additional 3,700 CIR products (ten-digit codes). The ten-digit products are considered the primary products of the industry with the same first six digits. These counts do not include the seven former manufacturing industries that are included in the 1997 Economic Census – Manufacturing.

For the 1997 Economic Census – Manufacturing, all establishments were classified in particular industries based on the products they produced. If an establishment made products of more than one industry, it was classified in the industry with the largest product value. For 1997, there were no “resistance rules” or “frozen industries.”

In ASM years, establishments included in the ASM sample with certainty weights are reclassified by industry only if the change in the primary activity from the prior year is significant or if the change has occurred for 2 successive years. This procedure prevents reclassification when there are minor shifts in product mix.

In ASM years, establishments included in the ASM sample with noncertainty weight are not shifted from one industry classification to another. They are retained in the industry where they were classified in the base census year. However, in the following census year, these ASM plants are allowed to shift from one industry to another.

The results of these rules covering the switching of plants from one industry classification to another are that some industries comprise different mixes of establishments in different survey years. Hence, comparisons between prior-year and current-year published totals, particularly at the six-digit NAICS level, should be viewed with caution. This is particularly true for the comparison between the data shown for a census year versus the data shown for the previous ASM year.

As previously noted, the small establishments that may have been misclassified by industry are usually administrative-record cases whose industry codes were assigned on the basis of incomplete descriptions of the general activity of the establishment. Such possible misclassifications have no significant effect on the statistics other than on the number of companies and establishments.

Establishments frequently make products classified both in their industry (primary products) and other industries (secondary products). Industry statistics (employment, payroll, value added by manufacture, value of shipments, etc.) reflect the activities of the establishments which may make both primary and secondary products. Product statistics, however, represent the output of all establishments without regard for the classification of the producing establishment. For this reason, when relating the industry statistics, especially the value of shipments, to the product statistics, the composition of the industry’s output should be considered.

The extent to which industry and product statistics may be matched with each other is measured by the primary product specialization ratio and the coverage ratio. The primary product specialization ratio is the proportion of industry shipments accounted for by the primary products of establishments classified in the industry. The coverage ratio is the proportion of product shipments accounted for by establishments classified in the industry.

ESTABLISHMENT BASIS OF REPORTING

The economic census – manufacturing is conducted on an establishment basis. A company operating at more than one location is required to file a separate report for each location or establishment. The ASM also is conducted on an establishment basis, but separate reports are filed for just those establishments selected in the sample. Companies engaged in distinctly different lines of activity at one location are requested to submit separate reports if the plant records permit such a separation and if the activities are substantial in size.

In 1997, as in earlier years, a minimum size limit was set for inclusion of establishments in the census. All establishments employing one person or more at any time during the census year are included. The same size limitation has applied since 1947 in censuses and annual surveys of manufactures. In the 1939 and earlier censuses, establishments with less than \$5,000 value of products were excluded. The change in the minimum size limit in 1947 does not appreciably affect the historical comparability of the census figures except for data on number of establishments for a few industries.

The 1997 Economic Census – Manufacturing excludes data for central administrative offices (CAOs). These would include separately operated administrative offices, warehouses, garages, and other auxiliary units that service manufacturing establishments of the same company. These data are published in a separate report series.

DESCRIPTION OF THE ASM SURVEY SAMPLE

The annual survey of manufactures (ASM) sample is drawn for the second survey year after a census. The most recent sample was drawn for the 1994 survey year based on the 1992 Census of Manufactures. This sample will be in place through the 1998 ASM.

In 1992, there were approximately 370,000 individual manufacturing establishments. For sample efficiency and cost considerations, the 1992 manufacturing population was partitioned into two components for developing estimates within the ASM; a mail stratum and a nonmail stratum.

Mail stratum. The mail stratum of the survey is comprised of larger single-location manufacturing companies and all manufacturing establishments of multiunit companies (companies that operate at more than one physical location). Approximately 230,000 of the 370,000 establishments in the 1992 census were assigned to the mail stratum. On an annual basis, the mail stratum is supplemented with larger, newly active single-location companies identified from a list provided by the Internal Revenue Service (IRS) and new manufacturing locations of multiunit companies identified from the Census Bureau's Company Organization Survey (COS).

For the 1994 survey, a new sample of approximately 58,000 individual establishments was selected from the mail stratum assembled from the 1992 census. Supplemental samples representing both 1993 and 1994 births (newly active establishments that were not included in the 1992 census) were also selected. Establishments selected for the sample are mailed an ASM survey questionnaire for each year through 1998.

The 1994-98 ASM sample design is similar to the one used since 1984. Companies in the 1992 Census of Manufactures with manufacturing shipments of at least \$500 million were defined as company certainties. For these large companies, each manufacturing establishment is included in the mail sample. For the 1994-98 sample, there are approximately 650 certainty companies collectively accounting for over 18,000 establishments.

For the remaining portion of the mail component of the survey, the establishment was defined as the sample unit. All establishments with 250 employees or more were defined as employment certainties. In addition, all establishments producing products in SIC 3571 (Electronic Computers) were defined as certainties. Across these three arbitrary certainty classes, there were approximately 25,000 establishments included in the sample with certainty. Collectively, these certainty establishments accounted for approximately 80 percent of the total value of shipments in the 1992 Census of Manufactures.

Smaller establishments in the remaining portion of the mail stratum were sampled with probabilities ranging from .02 to 1.00. The initial probabilities of selection assigned to these establishments were proportionate to a measure-of-size determined for each establishment. The measure-of-size was a function of the establishment's 1992 industry classification, its 1992 product class data, and the historical variability of the year-to-year estimates of the product class estimates. For each product class (1,755) and four-digit industry (459), a desired reliability

constraint was specified. Using a technique developed by Dr. James R. Chromy of the Research Triangle Institute, the initial establishment probabilities were optimized such that the expected sample satisfied all industry and product class reliability constraints while the sample size was minimized. This technique reduces the likelihood of selecting nonrepresentative samples for individual product classes or industries.

This method of assigning probabilities based on product class shipments is motivated by our primary desire to produce reliable estimates of both product class and industry shipments. The high correlation between shipments and employment, value-added, and other general statistics assures that these variables will also be well represented by the sample. The actual sample selection procedure uses an independent chance of selection method (Poisson sampling) which permits us to prevent small establishments from being selected in consecutive samples without introducing a bias into the survey estimates.

Nonmail component. The initial nonmail component of the survey was comprised of approximately 140,000 small, single-establishment companies that were tabulated as administrative records in the 1992 Census of Manufactures. The nonmail stratum is also supplemented annually using the list of newly active single-location companies provided by the Internal Revenue Service (IRS) and payroll cutoffs. Companies with payroll below the payroll cutoff are added to the nonmail stratum. For this portion of the population, sampling is not used. The data for this group are estimated based on selected information obtained annually from the administrative records of the IRS and Social Security Administration (SSA). This administrative information, which includes payroll, total employment, industry classification, and physical location, is obtained under conditions which safeguard the confidentiality of both tax and census records.

DESCRIPTION OF THE ASM ESTIMATING PROCEDURE

Most of the ASM estimates derived for the mail stratum are computed using a difference estimator. At the establishment level, there is a strong correlation between the current-year data values and the corresponding 1992 (base) data values. Therefore, within the mailed stratum, for each item at each level of aggregation, an estimate of the "difference" between the current year and the base year is computed from sample cases and added to the corresponding base-year values. For the 1993-1997 ASM estimates, the 1992 Census of Manufactures values serve as the base year. For the 1998 ASM, the base will be updated to be the 1997 Economic Census – Manufacturing.

Due to the positive year-to-year correlation, estimates derived using this methodology are generally more reliable than comparable estimates developed from the current sample data alone. Estimates for the capital expenditures variables are not generated using the difference

estimator because the year-to-year correlations are considerably weaker. The standard linear estimator is used for these variables.

For the nonmail stratum, estimates for payroll and employment are directly tabulated from the administrative-record data provided by IRS and SSA. Estimates of data other than payroll and employment are developed from industry averages. Although the nonmail stratum contains approximately 170,000 individual establishments in 1994, it accounts for less than 2 percent of the estimate for total value of shipments at the total manufacturing level.

Corresponding estimates for the mail and nonmail components are combined to produce the estimates included in this publication.

QUALIFICATIONS OF THE ASM DATA

The estimates developed from the sample are apt to differ somewhat from the results of a survey covering all companies in the sample lists but otherwise conducted under essentially the same conditions as the actual sample survey. The estimates of the magnitude of the sampling errors (the difference between the estimates obtained and the results theoretically obtained from a comparable, complete-coverage survey) are provided by the standard errors of estimates.

The particular sample selected for the ASM is one of many similar probability samples that, by chance, might have been selected under the same specifications. Each of the possible samples would yield somewhat different sets of results, and the standard errors are measures of the variation of all the possible sample estimates around the theoretically comparable, complete-coverage values.

Estimates of the standard errors have been computed from the sample data for selected ASM statistics in this report. They are represented in the form of relative standard errors (the standard errors divided by the estimated values to which they refer).

In conjunction with its associated estimate, the relative standard error may be used to define confidence intervals (ranges that would include the comparable, complete-coverage value for specified percentages of all the possible samples).

The complete-coverage value would be included in the range:

From one standard error below to one standard error above the derived estimate for about two-thirds of all possible samples.

From two standard errors below to two standard errors above the derived estimate for about 19 out of 20 of all possible samples.

From three standard errors below to three standard errors above the derived estimate for nearly all samples.

An inference that the comparable, complete-survey result would be within the indicated ranges would be correct in approximately the relative frequencies shown. Those proportions, therefore, may be interpreted as defining the confidence that the estimates from a particular sample would differ from complete-coverage results by as much as one, two, or three standard errors, respectively.

For example, suppose an estimated total is shown at 50,000 with an associated relative standard error of 2 percent, that is, a standard error of 1,000 (2 percent of 50,000). There is approximately 67 percent confidence that the interval 49,000 to 51,000 includes the complete-coverage total, about 95 percent confidence that the interval 48,000 to 52,000 includes the complete-coverage total, and almost certain confidence that the interval 47,000 to 53,000 includes the complete-coverage total.

In addition to the sample errors, the estimates are subject to various response and operational errors: errors of collection, reporting, coding, transcription, imputation for nonresponse, etc. These operational errors also would occur if a complete canvass were to be conducted under the same conditions as the survey. Explicit measures of their effects generally are not available. However, it is believed that most of the important operational errors were detected and corrected during the Census Bureau's review of the data for reasonableness and consistency. The small operational errors usually remain. To some extent, they are compensating in the aggregated totals shown. When important operational errors were detected too late to correct the estimates, the data were suppressed or were specifically qualified in the tables.

As derived, the estimated standard errors included part of the effect of the operational errors. The total errors, which depend upon the joint effect of the sampling and operational errors, are usually of the order of size indicated by the standard error, or moderately higher. However, for particular estimates, the total error may considerably exceed the standard errors shown. Any figures shown in the tables in this publication having an associated standard error exceeding 15 percent may be combined with higher level totals, creating a broader aggregate, which then may be of acceptable reliability.

DATA FROM THE CURRENT INDUSTRIAL REPORTS (CIR)

The CIR program provides product statistics for selected manufacturing industries at the U.S. level annually and, in some cases, monthly and/or quarterly. When detail product data are collected in the CIR, they are not also collected in the census. However, the annual CIR data are included in the census Product Summary report.

The CIR program uses a unified data collection, processing, and publication system. The Census Bureau updates the survey panels for most reports annually and reconciles the estimates to the results of the broader-based annual survey of manufactures and the economic

census – manufacturing. The economic census – manufacturing provides a complete list of all producers of the products covered by the CIR program and serves as the primary source for CIR sampling. Where a small number of producers exist, CIR surveys cover all known producers of a product. However, when the number of producers is large, cutoff and random sampling techniques are used. Surveys are continually reviewed and modified to provide the most up-to-date information on products produced. While the CIR program includes both mandatory and voluntary surveys, the annual data are mandatory.

DUPLICATION IN COST OF MATERIALS AND VALUE OF SHIPMENTS

Data for cost of materials and value of shipments include varying amounts of duplication, especially at higher levels of aggregation. This is because the products of one establishment may be the materials of another. The value added statistics avoid this duplication and are, for most purposes, the best measure for comparing the relative economic importance of industries and geographic areas.

VALUE OF INDUSTRY SHIPMENTS COMPARED WITH VALUE OF PRODUCT SHIPMENTS

The 1997 Economic Census – Manufacturing shows value of shipments data for industries and products. In the industry statistics tables and files, these data represent the total value of shipments of all establishments classified in a particular industry. The data include the shipments of the products classified in the industry (primary to the industry), products classified in other industries (secondary to the industry), and miscellaneous receipts (repair work, sale of scrap, research and development, installation receipts, and resales). Value of product shipments shown in the products statistics tables and files represent the total value of all products shipped that are classified as primary to an industry regardless of the classification of the producing establishment.

Appendix D. Geographic Notes

Not applicable for this report.

Appendix E.

Metropolitan Areas

Abilene, TX MSA

Taylor County, TX

Akron, OH PMSA

Portage County, OH

Summit County, OH

Albany, GA MSA

Dougherty County, GA

Lee County, GA

Albany–Schenectady–Troy, NY MSA

Albany County, NY

Montgomery County, NY

Rensselaer County, NY

Saratoga County, NY

Schenectady County, NY

Schoharie County, NY

Albuquerque, NM MSA

Bernalillo County, NM

Sandoval County, NM

Valencia County, NM

Alexandria, LA MSA

Rapides Parish, LA

Allentown–Bethlehem–Easton, PA MSA

Carbon County, PA

Lehigh County, PA

Northampton County, PA

Altoona, PA MSA

Blair County, PA

Amarillo, TX MSA

Potter County, TX

Randall County, TX

Anchorage, AK MSA

Anchorage Borough, AK

Ann Arbor, MI PMSA

Lenawee County, MI

Livingston County, MI

Washtenaw County, MI

Anniston, AL MSA

Calhoun County, AL

Appleton–Oshkosh–Neenah, WI MSA

Calumet County, WI

Outagamie County, WI

Winnebago County, WI

Asheville, NC MSA

Buncombe County, NC

Madison County, NC

Athens, GA MSA

Clarke County, GA

Madison County, GA

Oconee County, GA

Atlanta, GA MSA

Barrow County, GA

Bartow County, GA

Carroll County, GA

Cherokee County, GA

Clayton County, GA

Cobb County, GA

Coweta County, GA

DeKalb County, GA

Douglas County, GA

Fayette County, GA

Forsyth County, GA

Fulton County, GA

Gwinnett County, GA

Henry County, GA

Atlanta, GA MSA—Con.

Newton County, GA
Paulding County, GA
Pickens County, GA
Rockdale County, GA
Spalding County, GA
Walton County, GA

Atlantic–Cape May, NJ PMSA

Atlantic County, NJ
Cape May County, NJ

Augusta–Aiken, GA–SC MSA

Columbia County, GA
McDuffie County, GA
Richmond County, GA
Aiken County, SC
Edgefield County, SC

Austin–San Marcos, TX MSA

Bastrop County, TX
Caldwell County, TX
Hays County, TX
Travis County, TX
Williamson County, TX

Bakersfield, CA MSA

Kern County, CA

Baltimore, MD PMSA

Anne Arundel County, MD
Baltimore County, MD
Carroll County, MD
Harford County, MD
Howard County, MD
Queen Anne's County, MD
Baltimore, MD (IC)

Bangor, ME MSA

Penobscot County, ME (Part)
Bangor city, ME
Brewer city, ME
Old Town city, ME
Orono town, ME
Waldo County, ME (Part)

Barnstable–Yarmouth, MA MSA

Barnstable County, MA
Barnstable city, MA
Dennis town, MA
Harwich town, MA
Sandwich town, MA
Yarmouth town, MA

Baton Rouge, LA MSA

Ascension Parish, LA
East Baton Rouge Parish, LA
Livingston Parish, LA
West Baton Rouge Parish, LA

Beaumont–Port Arthur, TX MSA

Hardin County, TX
Jefferson County, TX
Orange County, TX

Bellingham, WA MSA

Whatcom County, WA

Benton Harbor, MI MSA

Berrien County, MI

Bergen–Passaic, NJ PMSA

Bergen County, NJ
Passaic County, NJ

Billings, MT MSA

Yellowstone County, MT

Biloxi–Gulfport–Pascagoula, MS MSA

Hancock County, MS
Harrison County, MS
Jackson County, MS

Binghamton, NY MSA

Broome County, NY
Tioga County, NY

Birmingham, AL MSA

Blount County, AL
Jefferson County, AL
St. Clair County, AL
Shelby County, AL

Bismarck, ND MSA

Burleigh County, ND

Morton County, ND

Bloomington, IN MSA

Monroe County, IN

Bloomington–Normal, IL MSA

McLean County, IL

Boise City, ID MSA

Ada County, ID

Canyon County, ID

Boston, MA–NH PMSA

Bristol County, MA (Part)

Mansfield town, MA

Norton town, MA

Taunton city, MA

Essex County, MA (Part)

Amesbury town, MA

Beverly city, MA

Danvers town, MA

Gloucester city, MA

Ipswich town, MA

Lynn city, MA

Lynnfield town, MA

Marblehead town, MA

Newburyport city, MA

Peabody city, MA

Salem city, MA

Saugus town, MA

Swampscott town, MA

Middlesex County, MA (Part)

Acton town, MA

Arlington town, MA

Ashland town, MA

Bedford town, MA

Belmont town, MA

Burlington town, MA

Cambridge city, MA

Concord town, MA

Boston, MA–NH PMSA—Con.

Middlesex County, MA (Part)—Con.

Everett city, MA

Framingham town, MA

Holliston town, MA

Hopkinton town, MA

Hudson town, MA

Lexington town, MA

Malden city, MA

Marlborough city, MA

Maynard town, MA

Medford city, MA

Melrose city, MA

Natick town, MA

Newton city, MA

North Reading town, MA

Reading town, MA

Somerville city, MA

Stoneham town, MA

Sudbury town, MA

Wakefield town, MA

Waltham city, MA

Watertown city, MA

Wayland town, MA

Weston town, MA

Wilmington town, MA

Winchester town, MA

Woburn city, MA

Norfolk County, MA (Part)

Bellingham town, MA

Braintree town, MA

Brookline town, MA

Canton town, MA

Dedham town, MA

Foxborough town, MA

Franklin city, MA

Holbrook town, MA

Medfield town, MA

Boston, MA–NH PMSA—Con.

Norfolk County, MA (Part)—Con.

Medway town, MA

Milton town, MA

Needham town, MA

Norfolk town, MA

Norwood town, MA

Quincy city, MA

Randolph town, MA

Sharon town, MA

Stoughton town, MA

Walpole town, MA

Wellesley town, MA

Westwood town, MA

Weymouth town, MA

Wrentham town, MA

Plymouth County, MA (Part)

Carver town, MA

Duxbury town, MA

Hanover town, MA

Hingham town, MA

Hull town, MA

Kingston town, MA

Marshfield town, MA

Pembroke town, MA

Plymouth town, MA

Rockland town, MA

Scituate town, MA

Wareham town, MA

Suffolk County, MA

Boston city, MA

Chelsea city, MA

Revere city, MA

Winthrop town, MA

Boston, MA–NH PMSA—Con.

Worcester County, MA (Part)

Harvard town, MA

Milford town, MA

Rockingham County, NH (Part)

Boston–Worcester–Lawrence, MA–NH–ME–CT CMSA

Boston, MA–NH PMSA

Bristol County, MA (Part)

Mansfield town, MA

Norton town, MA

Taunton city, MA

Essex County, MA (Part)

Amesbury town, MA

Beverly city, MA

Danvers town, MA

Gloucester city, MA

Ipswich town, MA

Lynn city, MA

Lynnfield town, MA

Marblehead town, MA

Newburyport city, MA

Peabody city, MA

Salem city, MA

Saugus town, MA

Swampscott town, MA

Middlesex County, MA (Part)

Acton town, MA

Arlington town, MA

Ashland town, MA

Bedford town, MA

Belmont town, MA

Burlington town, MA

Cambridge city, MA

Concord town, MA

Everett city, MA

Framingham town, MA

Holliston town, MA

Hopkinton town, MA

**Boston–Worcester–Lawrence, MA–NH–ME–CT
CMSA—Con.**

Boston, MA–NH PMSA—Con.

Middlesex County, MA (Part)—Con.

Hudson town, MA
Lexington town, MA
Malden city, MA
Marlborough city, MA
Maynard town, MA
Medford city, MA
Melrose city, MA
Natick town, MA
Newton city, MA
North Reading town, MA
Reading town, MA
Somerville city, MA
Stoneham town, MA
Sudbury town, MA
Wakefield town, MA
Waltham city, MA
Watertown city, MA
Wayland town, MA
Weston town, MA
Wilmington town, MA
Winchester town, MA
Woburn city, MA

Norfolk County, MA (Part)

Bellingham town, MA
Braintree town, MA
Brookline town, MA
Canton town, MA
Dedham town, MA
Foxborough town, MA
Franklin city, MA
Holbrook town, MA
Medfield town, MA
Medway town, MA
Milton town, MA

**Boston–Worcester–Lawrence, MA–NH–ME–CT
CMSA—Con.**

Boston, MA–NH PMSA—Con.

Norfolk County, MA (Part)—Con.

Needham town, MA
Norfolk town, MA
Norwood town, MA
Quincy city, MA
Randolph town, MA
Sharon town, MA
Stoughton town, MA
Walpole town, MA
Wellesley town, MA
Westwood town, MA
Weymouth town, MA
Wrentham town, MA

Plymouth County, MA (Part)

Carver town, MA
Duxbury town, MA
Hanover town, MA
Hingham town, MA
Hull town, MA
Kingston town, MA
Marshfield town, MA
Pembroke town, MA
Plymouth town, MA
Rockland town, MA
Scituate town, MA
Wareham town, MA

Suffolk County, MA

Boston city, MA
Chelsea city, MA
Revere city, MA
Winthrop town, MA

Worcester County, MA (Part)

Harvard town, MA
Milford town, MA

Rockingham County, NH (Part)

**Boston–Worcester–Lawrence, MA–NH–ME–CT
CMSA—Con.**

Brockton, MA PMSA
Bristol County, MA (Part)
Easton town, MA
Raynham town, MA
Norfolk County, MA (Part)
Plymouth County, MA (Part)
Abington town, MA
Bridgewater town, MA
Brockton city, MA
East Bridgewater town, MA
Middleborough town, MA
Whitman town, MA
Fitchburg–Leominster, MA PMSA
Middlesex County, MA (Part)
Worcester County, MA (Part)
Fitchburg city, MA
Gardner city, MA
Leominster city, MA
Lawrence, MA–NH PMSA
Essex County, MA (Part)
Andover town, MA
Haverhill city, MA
Lawrence city, MA
Methuen city, MA
North Andover town, MA
Rockingham County, NH (Part)
Derry town, NH
Salem town, NH
Lowell, MA–NH PMSA
Middlesex County, MA (Part)
Billerica town, MA
Chelmsford town, MA
Dracut town, MA
Lowell city, MA
Pepperell town, MA
Tewksbury town, MA
Westford town, MA

**Boston–Worcester–Lawrence, MA–NH–ME–CT
CMSA—Con.**

Lowell, MA–NH PMSA—Con.
Hillsborough County, NH (Part)
Pelham town, NH
Manchester, NH PMSA
Hillsborough County, NH (Part)
Bedford town, NH
Goffstown town, NH
Manchester city, NH
Merrimack County, NH (Part)
Rockingham County, NH (Part)
Londonderry town, NH
Nashua, NH PMSA
Hillsborough County, NH (Part)
Hudson town, NH
Merrimack town, NH
Milford town, NH
Nashua city, NH
New Bedford, MA PMSA
Bristol County, MA (Part)
Dartmouth town, MA
Fairhaven town, MA
New Bedford city, MA
Plymouth County, MA (Part)
Portsmouth–Rochester, NH–ME PMSA
York County, ME (Part)
York town, ME
Rockingham County, NH (Part)
Exeter town, NH
Hampton town, NH
Portsmouth city, NH
Strafford County, NH (Part)
Dover city, NH
Durham town, NH
Rochester city, NH
Somersworth city, NH

**Boston–Worcester–Lawrence, MA–NH–ME–CT
CMSA—Con.**

Worcester, MA–CT PMSA
Windham County, CT (Part)
Hampden County, MA (Part)
Worcester County, MA (Part)
Auburn town, MA
Charlton town, MA
Clinton town, MA
Grafton town, MA
Holden town, MA
Leicester town, MA
Millbury town, MA
Northborough town, MA
Northbridge town, MA
Oxford town, MA
Shrewsbury town, MA
Southbridge town, MA
Spencer town, MA
Uxbridge town, MA
Webster town, MA
Westborough town, MA
Worcester city, MA

Boulder–Longmont, CO PMSA

Boulder County, CO

Brazoria, TX PMSA

Brazoria County, TX

Bremerton, WA PMSA

Kitsap County, WA

Bridgeport, CT PMSA

Fairfield County, CT (Part)
Bridgeport city, CT
Fairfield town, CT
Monroe town, CT
Shelton city, CT
Stratford town, CT
Trumbull town, CT

Bridgeport, CT PMSA—Con.

New Haven County, CT (Part)
Ansonia city, CT
Derby city, CT
Milford city, CT
Seymour town, CT

Brockton, MA PMSA

Bristol County, MA (Part)
Easton town, MA
Raynham town, MA
Norfolk County, MA (Part)
Plymouth County, MA (Part)
Abington town, MA
Bridgewater town, MA
Brockton city, MA
East Bridgewater town, MA
Middleborough town, MA
Whitman town, MA

Brownsville–Harlingen–San Benito, TX MSA

Cameron County, TX

Bryan–College Station, TX MSA

Brazos County, TX

Buffalo–Niagara Falls, NY MSA

Erie County, NY
Niagara County, NY

Burlington, VT MSA

Chittenden County, VT (Part)
Burlington city, VT
Colchester town, VT
Essex Junction village, VT
South Burlington city, VT
Winooski city, VT
Franklin County, VT (Part)
St. Albans city, VT
Swanton village, VT
Grand Isle County, VT (Part)

Canton–Massillon, OH MSA

Carroll County, OH
Stark County, OH

Casper, WY MSA

Natrona County, WY

Cedar Rapids, IA MSA

Linn County, IA

Champaign–Urbana, IL MSA

Champaign County, IL

Charleston–North Charleston, SC MSA

Berkeley County, SC

Charleston County, SC

Dorchester County, SC

Charleston, WV MSA

Kanawha County, WV

Putnam County, WV

Charlotte–Gastonia–Rock Hill, NC–SC MSA

Cabarrus County, NC

Gaston County, NC

Lincoln County, NC

Mecklenburg County, NC

Rowan County, NC

Union County, NC

York County, SC

Charlottesville, VA MSA

Albemarle County, VA

Fluvanna County, VA

Greene County, VA

Charlottesville, VA (IC)

Chattanooga, TN–GA MSA

Catoosa County, GA

Dade County, GA

Walker County, GA

Hamilton County, TN

Marion County, TN

Cheyenne, WY MSA

Laramie County, WY

Chicago, IL PMSA

Cook County, IL

DeKalb County, IL

DuPage County, IL

Chicago, IL PMSA—Con.

Grundy County, IL

Kane County, IL

Kendall County, IL

Lake County, IL

McHenry County, IL

Will County, IL

Chicago–Gary–Kenosha, IL–IN–WI CMSA

Chicago, IL PMSA

Cook County, IL

DeKalb County, IL

DuPage County, IL

Grundy County, IL

Kane County, IL

Kendall County, IL

Lake County, IL

McHenry County, IL

Will County, IL

Gary, IN PMSA

Lake County, IN

Porter County, IN

Kankakee, IL PMSA

Kankakee County, IL

Kenosha, WI PMSA

Kenosha County, WI

Chico–Paradise, CA MSA

Butte County, CA

Cincinnati, OH–KY–IN PMSA

Dearborn County, IN

Ohio County, IN

Boone County, KY

Campbell County, KY

Gallatin County, KY

Grant County, KY

Kenton County, KY

Pendleton County, KY

Brown County, OH

Clermont County, OH

Cincinnati, OH-KY-IN PMSA—Con.

Hamilton County, OH

Warren County, OH

Cincinnati–Hamilton, OH-KY-IN CMSA

Cincinnati, OH-KY-IN PMSA

Dearborn County, IN

Ohio County, IN

Boone County, KY

Campbell County, KY

Gallatin County, KY

Grant County, KY

Kenton County, KY

Pendleton County, KY

Brown County, OH

Clermont County, OH

Hamilton County, OH

Warren County, OH

Hamilton–Middletown, OH PMSA

Butler County, OH

Clarksville–Hopkinsville, TN-KY MSA

Christian County, KY

Montgomery County, TN

Cleveland–Lorain–Elyria, OH PMSA

Ashtabula County, OH

Cuyahoga County, OH

Geauga County, OH

Lake County, OH

Lorain County, OH

Medina County, OH

Cleveland–Akron, OH CMSA

Akron, OH PMSA

Portage County, OH

Summit County, OH

Cleveland–Lorain–Elyria, OH PMSA

Ashtabula County, OH

Cuyahoga County, OH

Geauga County, OH

Lake County, OH

Cleveland–Akron, OH CMSA—Con.

Cleveland–Lorain–Elyria, OH PMSA—Con.

Lorain County, OH

Medina County, OH

Colorado Springs, CO MSA

El Paso County, CO

Columbia, MO MSA

Boone County, MO

Columbia, SC MSA

Lexington County, SC

Richland County, SC

Columbus, GA–AL MSA

Russell County, AL

Chattahoochee County, GA

Harris County, GA

Muscogee County, GA

Columbus, OH MSA

Delaware County, OH

Fairfield County, OH

Franklin County, OH

Licking County, OH

Madison County, OH

Pickaway County, OH

Corpus Christi, TX MSA

Nueces County, TX

San Patricio County, TX

Cumberland, MD–WV MSA

Allegany County, MD

Mineral County, WV

Dallas, TX PMSA

Collin County, TX

Dallas County, TX

Denton County, TX

Ellis County, TX

Henderson County, TX

Hunt County, TX

Kaufman County, TX

Rockwall County, TX

Dallas–Fort Worth, TX CMSA

Dallas, TX PMSA

Collin County, TX

Dallas County, TX

Denton County, TX

Ellis County, TX

Henderson County, TX

Hunt County, TX

Kaufman County, TX

Rockwall County, TX

Fort Worth–Arlington, TX PMSA

Hood County, TX

Johnson County, TX

Parker County, TX

Tarrant County, TX

Danbury, CT PMSA

Fairfield County, CT (Part)

Bethel town, CT

Brookfield town, CT

Danbury city, CT

New Fairfield town, CT

Newtown town, CT

Ridgefield town, CT

Litchfield County, CT (Part)

New Milford town, CT

Danville, VA MSA

Pittsylvania County, VA

Danville, VA (IC)

Davenport–Moline–Rock Island, IA–IL MSA

Henry County, IL

Rock Island County, IL

Scott County, IA

Dayton–Springfield, OH MSA

Clark County, OH

Greene County, OH

Miami County, OH

Montgomery County, OH

Daytona Beach, FL MSA

Flagler County, FL

Volusia County, FL

Decatur, AL MSA

Lawrence County, AL

Morgan County, AL

Decatur, IL MSA

Macon County, IL

Denver, CO PMSA

Adams County, CO

Arapahoe County, CO

Denver County, CO

Douglas County, CO

Jefferson County, CO

Denver–Boulder–Greeley, CO CMSA

Boulder–Longmont, CO PMSA

Boulder County, CO

Denver, CO PMSA

Adams County, CO

Arapahoe County, CO

Denver County, CO

Douglas County, CO

Jefferson County, CO

Greeley, CO PMSA

Weld County, CO

Des Moines, IA MSA

Dallas County, IA

Polk County, IA

Warren County, IA

Detroit, MI PMSA

Lapeer County, MI

Macomb County, MI

Monroe County, MI

Oakland County, MI

St. Clair County, MI

Wayne County, MI

Detroit–Ann Arbor–Flint, MI CMSA

Ann Arbor, MI PMSA
Lenawee County, MI
Livingston County, MI
Washtenaw County, MI
Detroit, MI PMSA
Lapeer County, MI
Macomb County, MI
Monroe County, MI
Oakland County, MI
St. Clair County, MI
Wayne County, MI
Flint, MI PMSA
Genesee County, MI

Dothan, AL MSA

Dale County, AL
Houston County, AL

Dover, DE MSA

Kent County, DE

Dubuque, IA MSA

Dubuque County, IA

Duluth–Superior, MN–WI MSA

St. Louis County, MN
Douglas County, WI

Dutchess County, NY PMSA

Dutchess County, NY

Eau Claire, WI MSA

Chippewa County, WI
Eau Claire County, WI

El Paso, TX MSA

El Paso County, TX

Elkhart–Goshen, IN MSA

Elkhart County, IN

Elmira, NY MSA

Chemung County, NY

Enid, OK MSA

Garfield County, OK

Erie, PA MSA

Erie County, PA

Eugene–Springfield, OR MSA

Lane County, OR

Evansville–Henderson, IN–KY MSA

Posey County, IN
Vanderburgh County, IN
Warrick County, IN
Henderson County, KY

Fargo–Moorhead, ND–MN MSA

Clay County, MN
Cass County, ND

Fayetteville, NC MSA

Cumberland County, NC

Fayetteville–Springdale–Rogers, AR MSA

Benton County, AR
Washington County, AR

Fitchburg–Leominster, MA PMSA

Middlesex County, MA (Part)
Worcester County, MA (Part)
Fitchburg city, MA
Gardner city, MA
Leominster city, MA

Flagstaff, AZ–UT MSA

Coconino County, AZ
Kane County, UT

Flint, MI PMSA

Genesee County, MI

Florence, AL MSA

Colbert County, AL
Lauderdale County, AL

Florence, SC MSA

Florence County, SC

Fort Collins–Loveland, CO MSA

Larimer County, CO

Fort Lauderdale, FL PMSA

Broward County, FL

Fort Myers–Cape Coral, FL MSA

Lee County, FL

Fort Pierce–Port St. Lucie, FL MSA

Martin County, FL
St. Lucie County, FL

Fort Smith, AR–OK MSA

Crawford County, AR
Sebastian County, AR
Sequoyah County, OK

Fort Walton Beach, FL MSA

Okaloosa County, FL

Fort Wayne, IN MSA

Adams County, IN
Allen County, IN
De Kalb County, IN
Huntington County, IN
Wells County, IN
Whitley County, IN

Fort Worth–Arlington, TX PMSA

Hood County, TX
Johnson County, TX
Parker County, TX
Tarrant County, TX

Fresno, CA MSA

Fresno County, CA
Madera County, CA

Gadsden, AL MSA

Etowah County, AL

Gainesville, FL MSA

Alachua County, FL

Galveston–Texas City, TX PMSA

Galveston County, TX

Gary, IN PMSA

Lake County, IN
Porter County, IN

Glens Falls, NY MSA

Warren County, NY
Washington County, NY

Goldsboro, NC MSA

Wayne County, NC

Grand Forks, ND–MN MSA

Polk County, MN
Grand Forks County, ND

Grand Junction, CO MSA

Mesa County, CO

Grand Rapids–Muskegon–Holland, MI MSA

Allegan County, MI
Kent County, MI
Muskegon County, MI
Ottawa County, MI

Great Falls, MT MSA

Cascade County, MT

Greeley, CO PMSA

Weld County, CO

Green Bay, WI MSA

Brown County, WI

Greensboro–Winston-Salem–High Point, NC MSA

Alamance County, NC
Davidson County, NC
Davie County, NC
Forsyth County, NC
Guilford County, NC
Randolph County, NC
Stokes County, NC
Yadkin County, NC

Greenville, NC MSA

Pitt County, NC

Greenville–Spartanburg–Anderson, SC MSA

Anderson County, SC
Cherokee County, SC
Greenville County, SC
Pickens County, SC
Spartanburg County, SC

Hagerstown, MD PMSA

Washington County, MD

Hamilton–Middletown, OH PMSA

Butler County, OH

Harrisburg–Lebanon–Carlisle, PA MSA

Cumberland County, PA
Dauphin County, PA
Lebanon County, PA
Perry County, PA

Hartford, CT MSA

Hartford County, CT (Part)
Avon town, CT
Berlin town, CT
Bloomfield town, CT
Bristol city, CT
East Hartford town, CT
East Windsor town, CT
Enfield town, CT
Farmington town, CT
Glastonbury town, CT
Hartford city, CT
Manchester town, CT
New Britain city, CT
Newington town, CT
Plainville town, CT
Rocky Hill town, CT
Simsbury town, CT
Southington town, CT
South Windsor town, CT
Suffield town, CT
West Hartford town, CT
Wethersfield town, CT
Windsor town, CT
Windsor Locks town, CT
Litchfield County, CT (Part)
Plymouth town, CT
Winchester town, CT
Middlesex County, CT (Part)
Cromwell town, CT
East Hampton town, CT
Middletown city, CT
New London County, CT (Part)
Colchester town, CT

Hartford, CT MSA—Con.

Tolland County, CT (Part)
Coventry town, CT
Ellington town, CT
Mansfield town, CT
Stafford town, CT
Tolland town, CT
Vernon town, CT
Windham County, CT (Part)
Windham town, CT

Hattiesburg, MS MSA

Forrest County, MS
Lamar County, MS

Hickory–Morganton–Lenoir, NC MSA

Alexander County, NC
Burke County, NC
Caldwell County, NC
Catawba County, NC

Honolulu, HI MSA

Honolulu County, HI

Houma, LA MSA

Lafourche Parish, LA
Terrebonne Parish, LA

Houston, TX PMSA

Chambers County, TX
Fort Bend County, TX
Harris County, TX
Liberty County, TX
Montgomery County, TX
Waller County, TX

Houston–Galveston–Brazoria, TX CMSA

Brazoria, TX PMSA
Brazoria County, TX
Galveston–Texas City, TX PMSA
Galveston County, TX
Houston, TX PMSA
Chambers County, TX
Fort Bend County, TX

Houston–Galveston–Brazoria, TX CMSA—Con.

Houston, TX PMSA—Con.

Harris County, TX

Liberty County, TX

Montgomery County, TX

Waller County, TX

Huntington–Ashland, WV–KY–OH MSA

Boyd County, KY

Carter County, KY

Greenup County, KY

Lawrence County, OH

Cabell County, WV

Wayne County, WV

Huntsville, AL MSA

Limestone County, AL

Madison County, AL

Indianapolis, IN MSA

Boone County, IN

Hamilton County, IN

Hancock County, IN

Hendricks County, IN

Johnson County, IN

Madison County, IN

Marion County, IN

Morgan County, IN

Shelby County, IN

Iowa City, IA MSA

Johnson County, IA

Jackson, MI MSA

Jackson County, MI

Jackson, MS MSA

Hinds County, MS

Madison County, MS

Rankin County, MS

Jackson, TN MSA

Chester County, TN

Madison County, TN

Jacksonville, FL MSA

Clay County, FL

Duval County, FL

Nassau County, FL

St. Johns County, FL

Jacksonville, NC MSA

Onslow County, NC

Jamestown, NY MSA

Chautauqua County, NY

Janesville–Beloit, WI MSA

Rock County, WI

Jersey City, NJ PMSA

Hudson County, NJ

Johnson City–Kingsport–Bristol, TN–VA MSA

Carter County, TN

Hawkins County, TN

Sullivan County, TN

Unicoi County, TN

Washington County, TN

Scott County, VA

Washington County, VA

Bristol, VA (IC)

Johnstown, PA MSA

Cambria County, PA

Somerset County, PA

Jonesboro, AR MSA

Craighead County, AR

Joplin, MO MSA

Jasper County, MO

Newton County, MO

Kalamazoo–Battle Creek, MI MSA

Calhoun County, MI

Kalamazoo County, MI

Van Buren County, MI

Kankakee, IL PMSA

Kankakee County, IL

Kansas City, MO–KS MSA

Johnson County, KS

Leavenworth County, KS

Kansas City, MO—KS MSA—Con.

Miami County, KS
Wyandotte County, KS
Cass County, MO
Clay County, MO
Clinton County, MO
Jackson County, MO
Lafayette County, MO
Platte County, MO
Ray County, MO

Kenosha, WI PMSA

Kenosha County, WI

Killeen–Temple, TX MSA

Bell County, TX
Coryell County, TX

Knoxville, TN MSA

Anderson County, TN
Blount County, TN
Knox County, TN
Loudon County, TN
Sevier County, TN
Union County, TN

Kokomo, IN MSA

Howard County, IN
Tipton County, IN

La Crosse, WI–MN MSA

Houston County, MN
La Crosse County, WI

Lafayette, LA MSA

Acadia Parish, LA
Lafayette Parish, LA
St. Landry Parish, LA
St. Martin Parish, LA

Lafayette, IN MSA

Clinton County, IN
Tippecanoe County, IN

Lake Charles, LA MSA

Calcasieu Parish, LA

Lakeland–Winter Haven, FL MSA

Polk County, FL

Lancaster, PA MSA

Lancaster County, PA

Lansing–East Lansing, MI MSA

Clinton County, MI
Eaton County, MI
Ingham County, MI

Laredo, TX MSA

Webb County, TX

Las Cruces, NM MSA

Dona Ana County, NM

Las Vegas, NV–AZ MSA

Mohave County, AZ
Clark County, NV
Nye County, NV

Lawrence, KS MSA

Douglas County, KS

Lawrence, MA–NH PMSA

Essex County, MA (Part)
Andover town, MA
Haverhill city, MA
Lawrence city, MA
Methuen city, MA
North Andover town, MA
Rockingham County, NH (Part)
Derry town, NH
Salem town, NH

Lawton, OK MSA

Comanche County, OK

Lewiston–Auburn, ME MSA

Androscoggin County, ME
Auburn city, ME
Lewiston city, ME

Lexington, KY MSA

Bourbon County, KY
Clark County, KY

Lexington, KY MSA—Con.

Fayette County, KY
Jessamine County, KY
Madison County, KY
Scott County, KY
Woodford County, KY

Lima, OH MSA

Allen County, OH
Auglaize County, OH

Lincoln, NE MSA

Lancaster County, NE

Little Rock–North Little Rock, AR MSA

Faulkner County, AR
Lonoke County, AR
Pulaski County, AR
Saline County, AR

Longview–Marshall, TX MSA

Gregg County, TX
Harrison County, TX
Upshur County, TX

Los Angeles–Riverside–Orange County, CA CMSA

Los Angeles–Long Beach, CA PMSA
Los Angeles County, CA
Orange County, CA PMSA
Orange County, CA
Riverside–San Bernardino, CA PMSA
Riverside County, CA
San Bernardino County, CA
Ventura, CA PMSA
Ventura County, CA

Los Angeles–Long Beach, CA PMSA

Los Angeles County, CA

Louisville, KY–IN MSA

Clark County, IN
Floyd County, IN
Harrison County, IN
Scott County, IN

Louisville, KY–IN MSA—Con.

Bullitt County, KY
Jefferson County, KY
Oldham County, KY

Lowell, MA–NH PMSA

Middlesex County, MA (Part)
Billerica town, MA
Chelmsford town, MA
Dracut town, MA
Lowell city, MA
Pepperell town, MA
Tewksbury town, MA
Westford town, MA
Hillsborough County, NH (Part)
Pelham town, NH

Lubbock, TX MSA

Lubbock County, TX

Lynchburg, VA MSA

Amherst County, VA
Bedford County, VA
Campbell County, VA
Bedford, VA (IC)
Lynchburg, VA (IC)

Macon, GA MSA

Bibb County, GA
Houston County, GA
Jones County, GA
Peach County, GA
Twiggs County, GA

Madison, WI MSA

Dane County, WI

Manchester, NH PMSA

Hillsborough County, NH (Part)
Bedford town, NH
Goffstown town, NH
Manchester city, NH
Merrimack County, NH (Part)
Rockingham County, NH (Part)
Londonderry town, NH

Mansfield, OH MSA

Crawford County, OH
Richland County, OH

McAllen–Edinburg–Mission, TX MSA

Hidalgo County, TX

Medford–Ashland, OR MSA

Jackson County, OR

Melbourne–Titusville–Palm Bay, FL MSA

Brevard County, FL

Memphis, TN–AR–MS MSA

Crittenden County, AR
DeSoto County, MS
Fayette County, TN
Shelby County, TN
Tipton County, TN

Merced, CA MSA

Merced County, CA

Miami–Fort Lauderdale, FL CMSA

Fort Lauderdale, FL PMSA
Broward County, FL
Miami, FL PMSA
Dade County, FL

Miami, FL PMSA

Dade County, FL

Middlesex–Somerset–Hunterdon, NJ PMSA

Hunterdon County, NJ
Middlesex County, NJ
Somerset County, NJ

Milwaukee–Waukesha, WI PMSA

Milwaukee County, WI
Ozaukee County, WI
Washington County, WI
Waukesha County, WI

Milwaukee–Racine, WI CMSA

Milwaukee–Waukesha, WI PMSA
Milwaukee County, WI
Ozaukee County, WI
Washington County, WI
Waukesha County, WI

Milwaukee–Racine, WI CMSA—Con.

Racine, WI PMSA
Racine County, WI

Minneapolis–St. Paul, MN–WI MSA

Anoka County, MN
Carver County, MN
Chisago County, MN
Dakota County, MN
Hennepin County, MN
Isanti County, MN
Ramsey County, MN
Scott County, MN
Sherburne County, MN
Washington County, MN
Wright County, MN
Pierce County, WI
St. Croix County, WI

Mobile, AL MSA

Baldwin County, AL
Mobile County, AL

Modesto, CA MSA

Stanislaus County, CA

Monmouth–Ocean, NJ PMSA

Monmouth County, NJ
Ocean County, NJ

Monroe, LA MSA

Ouachita Parish, LA

Montgomery, AL MSA

Autauga County, AL
Elmore County, AL
Montgomery County, AL

Muncie, IN MSA

Delaware County, IN

Myrtle Beach, SC MSA

Horry County, SC

Naples, FL MSA

Collier County, FL

Nashua, NH PMSA

Hillsborough County, NH (Part)
Hudson town, NH
Merrimack town, NH
Milford town, NH
Nashua city, NH

Nashville, TN MSA

Cheatham County, TN
Davidson County, TN
Dickson County, TN
Robertson County, TN
Rutherford County, TN
Sumner County, TN
Williamson County, TN
Wilson County, TN

Nassau-Suffolk, NY PMSA

Nassau County, NY
Suffolk County, NY

New Bedford, MA PMSA

Bristol County, MA (Part)
Dartmouth town, MA
Fairhaven town, MA
New Bedford city, MA
Plymouth County, MA (Part)

New Haven-Meriden, CT PMSA

Middlesex County, CT (Part)
Clinton town, CT
New Haven County, CT (Part)
Branford town, CT
Cheshire town, CT
East Haven town, CT
Guilford town, CT
Hamden town, CT
Madison town, CT
Meriden city, CT
New Haven city, CT
North Branford town, CT
North Haven town, CT

New Haven-Meriden, CT PMSA—Con.

New Haven County, CT (Part)—Con.
Orange town, CT
Wallingford town, CT
West Haven city, CT

New London-Norwich, CT-RI MSA

Middlesex County, CT (Part)
New London County, CT (Part)
East Lyme town, CT
Groton city, CT
Groton town balance, CT
Jewett City borough, CT
Ledyard town, CT
Montville town, CT
New London city, CT
Norwich city, CT
Stonington town, CT
Waterford town, CT
Windham County, CT (Part)
Plainfield town, CT
Washington County, RI (Part)
Westerly town, RI

New Orleans, LA MSA

Jefferson Parish, LA
Orleans Parish, LA
Plaquemines Parish, LA
St. Bernard Parish, LA
St. Charles Parish, LA
St. James Parish, LA
St. John the Baptist Parish, LA
St. Tammany Parish, LA

New York, NY PMSA

Bronx County, NY
Kings County, NY
New York County, NY
Putnam County, NY
Queens County, NY
Richmond County, NY

New York, NY PMSA—Con.

Rockland County, NY

Westchester County, NY

New York–Northern New Jersey–Long Island, NY–NJ–CT–PA CMSA

Bergen–Passaic, NJ PMSA

Bergen County, NJ

Passaic County, NJ

Bridgeport, CT PMSA

Fairfield County, CT (Part)

Bridgeport city, CT

Fairfield town, CT

Monroe town, CT

Shelton city, CT

Stratford town, CT

Trumbull town, CT

New Haven County, CT (Part)

Ansonia city, CT

Derby city, CT

Milford city, CT

Seymour town, CT

Danbury, CT PMSA

Fairfield County, CT (Part)

Bethel town, CT

Brookfield town, CT

Danbury city, CT

New Fairfield town, CT

Newtown town, CT

Ridgefield town, CT

Litchfield County, CT (Part)

New Milford town, CT

Dutchess County, NY PMSA

Dutchess County, NY

Jersey City, NJ PMSA

Hudson County, NJ

Middlesex–Somerset–Hunterdon, NJ PMSA

Hunterdon County, NJ

Middlesex County, NJ

Somerset County, NJ

New York–Northern New Jersey–Long Island, NY–NJ–CT–PA CMSA—Con.

Monmouth–Ocean, NJ PMSA

Monmouth County, NJ

Ocean County, NJ

Nassau–Suffolk, NY PMSA

Nassau County, NY

Suffolk County, NY

New Haven–Meriden, CT PMSA

Middlesex County, CT (Part)

Clinton town, CT

New Haven County, CT (Part)

Branford town, CT

Cheshire town, CT

East Haven town, CT

Guilford town, CT

Hamden town, CT

Madison town, CT

Meriden city, CT

New Haven city, CT

North Branford town, CT

North Haven town, CT

Orange town, CT

Wallingford town, CT

West Haven city, CT

New York, NY PMSA

Bronx County, NY

Kings County, NY

New York County, NY

Putnam County, NY

Queens County, NY

Richmond County, NY

Rockland County, NY

Westchester County, NY

Newark, NJ PMSA

Essex County, NJ

Morris County, NJ

Sussex County, NJ

New York–Northern New Jersey–Long Island, NY–NJ–CT–PA CMSA—Con.

Newark, NJ PMSA—Con.

Union County, NJ

Warren County, NJ

Newburgh, NY–PA PMSA

Orange County, NY

Pike County, PA

Stamford–Norwalk, CT PMSA

Fairfield County, CT (Part)

Darien town, CT

Greenwich town, CT

New Canaan town, CT

Norwalk city, CT

Stamford city, CT

Westport town, CT

Wilton town, CT

Trenton, NJ PMSA

Mercer County, NJ

Waterbury, CT PMSA

Litchfield County, CT (Part)

Watertown town, CT

New Haven County, CT (Part)

Naugatuck, CT

Southbury town, CT

Waterbury city, CT

Wolcott town, CT

Newark, NJ PMSA

Essex County, NJ

Morris County, NJ

Sussex County, NJ

Union County, NJ

Warren County, NJ

Newburgh, NY–PA PMSA

Orange County, NY

Pike County, PA

Norfolk–Virginia Beach–Newport News, VA–NC MSA

Currituck County, NC

Gloucester County, VA

Isle of Wight County, VA

James City County, VA

Mathews County, VA

York County, VA

Chesapeake, VA (IC)

Hampton, VA (IC)

Newport News, VA (IC)

Norfolk, VA (IC)

Poquoson, VA (IC)

Portsmouth, VA (IC)

Suffolk, VA (IC)

Virginia Beach, VA (IC)

Williamsburg, VA (IC)

Oakland, CA PMSA

Alameda County, CA

Contra Costa County, CA

Ocala, FL MSA

Marion County, FL

Odessa–Midland, TX MSA

Ector County, TX

Midland County, TX

Oklahoma City, OK MSA

Canadian County, OK

Cleveland County, OK

Logan County, OK

McClain County, OK

Omaha, NE-IA MSA—Con.

Sarpy County, NE
Washington County, NE

Orange County, CA PMSA

Orange County, CA

Orlando, FL MSA

Lake County, FL
Orange County, FL
Osceola County, FL
Seminole County, FL

Owensboro, KY MSA

Daviess County, KY

Panama City, FL MSA

Bay County, FL

Parkersburg-Marietta, WV-OH MSA

Washington County, OH
Wood County, WV

Pensacola, FL MSA

Escambia County, FL
Santa Rosa County, FL

Peoria-Pekin, IL MSA

Peoria County, IL
Tazewell County, IL
Woodford County, IL

Philadelphia, PA-NJ PMSA

Burlington County, NJ
Camden County, NJ
Gloucester County, NJ
Salem County, NJ
Bucks County, PA
Chester County, PA
Delaware County, PA
Montgomery County, PA
Philadelphia County, PA

Philadelphia-Wilmington-Atlantic City, PA-NJ-DE-MD CMSA

Atlantic-Cape May, NJ PMSA
Atlantic County, NJ
Cape May County, NJ

Philadelphia-Wilmington-Atlantic City, PA-NJ-DE-MD CMSA—Con.

Philadelphia, PA-NJ PMSA
Burlington County, NJ
Camden County, NJ
Gloucester County, NJ
Salem County, NJ
Bucks County, PA
Chester County, PA
Delaware County, PA
Montgomery County, PA
Philadelphia County, PA
Vineland-Millville-Bridgeton, NJ PMSA
Cumberland County, NJ
Wilmington-Newark, DE-MD PMSA
New Castle County, DE
Cecil County, MD

Phoenix-Mesa, AZ MSA

Maricopa County, AZ
Pinal County, AZ

Pine Bluff, AR MSA

Jefferson County, AR

Pittsburgh, PA MSA

Allegheny County, PA
Beaver County, PA
Butler County, PA
Fayette County, PA
Washington County, PA
Westmoreland County, PA

Pittsfield, MA MSA

Berkshire County, MA (Part)
Pittsfield city, MA

Pocatello, ID MSA

Bannock County, ID

Portland, ME MSA

Cumberland County, ME (Part)
Gorham town, ME
Portland city, ME

Portland, ME MSA—Con.

Cumberland County, ME (Part)—Con.

Scarborough town, ME

South Portland city, ME

Westbrook city, ME

Windham town, ME

York County, ME (Part)

Portland–Vancouver, OR–WA PMSA

Clackamas County, OR

Columbia County, OR

Multnomah County, OR

Washington County, OR

Yamhill County, OR

Clark County, WA

Portland–Salem, OR–WA CMSA

Portland–Vancouver, OR–WA PMSA

Clackamas County, OR

Columbia County, OR

Multnomah County, OR

Washington County, OR

Yamhill County, OR

Clark County, WA

Salem, OR PMSA

Marion County, OR

Polk County, OR

Portsmouth–Rochester, NH–ME PMSA

York County, ME (Part)

York town, ME

Rockingham County, NH (Part)

Exeter town, NH

Hampton town, NH

Portsmouth city, NH

Strafford County, NH (Part)

Dover city, NH

Durham town, NH

Rochester city, NH

Somersworth city, NH

Providence–Fall River–Warwick, RI–MA MSA

Bristol County, MA (Part)

Attleboro city, MA

Fall River city, MA

North Attleborough town, MA

Seekonk town, MA

Somerset town, MA

Swansea town, MA

Westport town, MA

Bristol County, RI

Barrington town, RI

Bristol town, RI

Warren town, RI

Kent County, RI

Coventry town, RI

East Greenwich town, RI

Warwick city, RI

West Warwick town, RI

Newport County, RI (Part)

Tiverton town, RI

Providence County, RI

Burrillville town, RI

Central Falls city, RI

Cranston city, RI

Cumberland town, RI

East Providence city, RI

Johnston town, RI

Lincoln town, RI

North Providence town, RI

Provo–Orem, UT MSA

Utah County, UT

Pueblo, CO MSA

Pueblo County, CO

Punta Gorda, FL MSA

Charlotte County, FL

Racine, WI PMSA

Racine County, WI

Raleigh–Durham–Chapel Hill, NC MSA

Chatham County, NC

Durham County, NC

Franklin County, NC

Johnston County, NC

Orange County, NC

Wake County, NC

Rapid City, SD MSA

Pennington County, SD

Reading, PA MSA

Berks County, PA

Redding, CA MSA

Shasta County, CA

Reno, NV MSA

Washoe County, NV

Richland–Kennewick–Pasco, WA MSA

Benton County, WA

Franklin County, WA

Richmond–Petersburg, VA MSA

Charles City County, VA

Chesterfield County, VA

Dinwiddie County, VA

Goochland County, VA

Hanover County, VA

Henrico County, VA

New Kent County, VA

Powhatan County, VA

Prince George County, VA

Colonial Heights, VA (IC)

Hopewell, VA (IC)

Richmond–Petersburg, VA MSA—Con.

Petersburg, VA (IC)

Richmond, VA (IC)

Riverside–San Bernardino, CA PMSA

Riverside County, CA

San Bernardino County, CA

Roanoke, VA MSA

Botetourt County, VA

Roanoke County, VA

Roanoke, VA (IC)

Salem, VA (IC)

Rochester, MN MSA

Olmsted County, MN

Rochester, NY MSA

Genesee County, NY

Livingston County, NY

Monroe County, NY

Ontario County, NY

Orleans County, NY

Wayne County, NY

Rockford, IL MSA

Boone County, IL

Ogle County, IL

Winnebago County, IL

Rocky Mount, NC MSA

Edgecombe County, NC

Nash County, NC

Saginaw–Bay City–Midland, MI MSA

Bay County, MI

Midland County, MI

Saginaw County, MI

St. Cloud, MN MSA

Benton County, MN

Stearns County, MN

St. Joseph, MO MSA

Andrew County, MO

Buchanan County, MO

St. Louis, MO–IL MSA

Clinton County, IL

Jersey County, IL

Madison County, IL

Monroe County, IL

St. Clair County, IL

Franklin County, MO

Jefferson County, MO

Lincoln County, MO

St. Charles County, MO

St. Louis County, MO

Warren County, MO

St. Louis, MO (IC)

Salem, OR PMSA

Marion County, OR

Polk County, OR

Salinas, CA MSA

Monterey County, CA

Salt Lake City–Ogden, UT MSA

Davis County, UT

Salt Lake County, UT

Weber County, UT

San Angelo, TX MSA

Tom Green County, TX

San Antonio, TX MSA

Bexar County, TX

Comal County, TX

Guadalupe County, TX

Wilson County, TX

San Diego, CA MSA

San Diego County, CA

San Francisco, CA PMSA

Marin County, CA

San Francisco County, CA

San Mateo County, CA

San Francisco–Oakland–San Jose, CA CMSA

Oakland, CA PMSA

Alameda County, CA

Contra Costa County, CA

San Francisco, CA PMSA

Marin County, CA

San Francisco County, CA

San Mateo County, CA

San Jose, CA PMSA

Santa Clara County, CA

Santa Cruz–Watsonville, CA PMSA

Santa Cruz County, CA

Santa Rosa, CA PMSA

Sonoma County, CA

Vallejo–Fairfield–Napa, CA PMSA

Napa County, CA

Solano County, CA

San Jose, CA PMSA

Santa Clara County, CA

San Luis

Sarasota–Bradenton, FL MSA

Manatee County, FL
Sarasota County, FL

Savannah, GA MSA

Bryan County, GA
Chatham County, GA
Effingham County, GA

Scranton–Wilkes-Barre–Hazleton, PA MSA

Columbia County, PA
Lackawanna County, PA
Luzerne County, PA
Wyoming County, PA

Seattle–Bellevue–Everett, WA PMSA

Island County, WA
King County, WA
Snohomish County, WA

Seattle–Tacoma–Bremerton, WA CMSA

Bremerton, WA PMSA
Kitsap County, WA
Olympia, WA PMSA
Thurston County, WA
Seattle–Bellevue–Everett, WA PMSA
Island County, WA
King County, WA
Snohomish County, WA
Tacoma, WA PMSA
Pierce County, WA

Sharon, PA MSA

Mercer County, PA

Sheboygan, WI MSA

Sheboygan County, WI

Sherman–Denison, TX MSA

Grayson County, TX

Shreveport–Bossier City, LA MSA

Bossier Parish, LA
Caddo Parish, LA
Webster Parish, LA

Sioux City, IA–NE MSA

Woodbury County, IA
Dakota County, NE

Sioux Falls, SD MSA

Lincoln County, SD
Minnehaha County, SD

South Bend, IN MSA

St. Joseph County, IN

Spokane, WA MSA

Spokane County, WA

Springfield, IL MSA

Menard County, IL
Sangamon County, IL

Springfield, MO MSA

Christian County, MO
Greene County, MO
Webster County, MO

Springfield, MA MSA

Franklin County, MA (Part)
Hampden County, MA (Part)
Agawam city, MA
Chicopee city, MA
East Longmeadow town, MA
Holyoke city, MA
Longmeadow town, MA
Ludlow town, MA
Palmer town, MA
Springfield city, MA
Westfield city, MA
West Springfield town, MA
Wilbraham town, MA
Hampshire County, MA (Part)
Amherst town, MA
Belchertown town, MA
Easthampton town, MA
Northampton city, MA
South Hadley town, MA

Stamford–Norwalk, CT PMSA

Fairfield County, CT (Part)
Darien town, CT
Greenwich town, CT
New Canaan town, CT
Norwalk city, CT
Stamford city, CT
Westport town, CT
Wilton town, CT

State College, PA MSA

Centre County, PA

Steubenville–Weirton, OH–WV MSA

Jefferson County, OH
Brooke County, WV
Hancock County, WV

Stockton–Lodi, CA MSA

San Joaquin County, CA

Sumter, SC MSA

Sumter County, SC

Syracuse, NY MSA

Cayuga County, NY
Madison County, NY
Onondaga County, NY
Oswego County, NY

Tacoma, WA PMSA

Pierce County, WA

Tallahassee, FL MSA

Gadsden County, FL
Leon County, FL

Tampa–St. Petersburg–Clearwater, FL MSA

Hernando County, FL
Hillsborough County, FL
Pasco County, FL
Pinellas County, FL

Terre Haute, IN MSA

Clay County, IN
Vermillion County, IN
Vigo County, IN

Texarkana, TX–Texarkana, AR MSA

Miller County, AR
Bowie County, TX

Toledo, OH MSA

Fulton County, OH
Lucas County, OH
Wood County, OH

Topeka, KS MSA

Shawnee County, KS

Trenton, NJ PMSA

Mercer County, NJ

Tucson, AZ MSA

Pima County, AZ

Tulsa, OK MSA

Creek County, OK
Osage County, OK
Rogers County, OK
Tulsa County, OK
Wagoner County, OK

Tuscaloosa, AL MSA

Tuscaloosa County, AL

Tyler, TX MSA

Smith County, TX

Utica–Rome, NY MSA

Herkimer County, NY
Oneida County, NY

Vallejo–Fairfield–Napa, CA PMSA

Napa County, CA
Solano County, CA

Ventura, CA PMSA

Ventura County, CA

Victoria, TX MSA

Victoria County, TX

Vineland–Millville–Bridgeton, NJ PMSA

Cumberland County, NJ

Visalia–Tulare–Porterville, CA MSA

Tulare County, CA

Waco, TX MSA

McLennan County, TX

Washington, DC–MD–VA–WV PMSA

District of Columbia, DC

Calvert County, MD

Charles County, MD

Frederick County, MD

Montgomery County, MD

Prince George's County, MD

Arlington County, VA

Clarke County, VA

Culpeper County, VA

Fairfax County, VA

Fauquier County, VA

King George County, VA

Loudoun County, VA

Prince William County, VA

Spotsylvania County, VA

Stafford County, VA

Warren County, VA

Alexandria, VA (IC)

Fairfax, VA (IC)

Falls Church, VA (IC)

Fredericksburg, VA (IC)

Manassas, VA (IC)

Manassas Park, VA (IC)

Berkeley County, WV

Jefferson County, WV

Washington–Baltimore, DC–MD–VA–WV CMSA

Baltimore, MD PMSA

Anne Arundel County, MD

Baltimore County, MD

Carroll County, MD

Harford County, MD

Howard County, MD

Queen Anne's County, MD

Baltimore, MD (IC)

Washington–Baltimore, DC–MD–VA–WV CMSA—Con.

Hagerstown, MD PMSA

Washington County, MD

Washington, DC–MD–VA–WV PMSA

District of Columbia, DC

Calvert County, MD

Charles County, MD

Frederick County, MD

Montgomery County, MD

Prince George's County, MD

Arlington County, VA

Clarke County, VA

Culpeper County, VA

Fairfax County, VA

Fauquier County, VA

King George County, VA

Loudoun County, VA

Prince William County, VA

Spotsylvania County, VA

Stafford County, VA

Warren County, VA

Alexandria, VA (IC)

Fairfax, VA (IC)

Falls Church, VA (IC)

Fredericksburg, VA (IC)

Manassas, VA (IC)

Manassas Park, VA (IC)

Berkeley County, WV

Jefferson County, WV

Water

Waterloo–Cedar Falls, IA MSA

Black Hawk County, IA

Wausau, WI MSA

Marathon County, WI

West Palm Beach–Boca Raton, FL MSA

Palm Beach County, FL

Wheeling, WV–OH MSA

Belmont County, OH

Marshall County, WV

Ohio County, WV

Wichita, KS MSA

Butler County, KS

Harvey County, KS

Sedgwick County, KS

Wichita Falls, TX MSA

Archer County, TX

Wichita County, TX

Williamsport, PA MSA

Lycoming County, PA

Wilmington–Newark, DE–MD PMSA

New Castle County, DE

Cecil County, MD

Wilmington, NC MSA

Brunswick County, NC

New Hanover County, NC

Worcester, MA–CT PMSA

Windham County, CT (Part)

Hampden County, MA (Part)

Worcester, MA–CT PMSA—Con.

Worcester County, MA (Part)

Auburn town, MA

Charlton town, MA

Appendix F.

Footnotes for Products Statistics and Materials Consumed by Kind

Not applicable for this report.

Appendix G. Comparability of Product Classes and Product Codes: 1997 to 1992

Not applicable for this report.

Appendix H. Report Forms

Sample report forms begin on page H-2.

FORM
NC-9923
(1997)**1997 ECONOMIC CENSUS GENERAL SCHEDULE**

OMB No. 0607-0842: Approval Expires 05/31/2000

An Office of Management and Budget (OMB) control number is printed in the upper right corner of this form. If OMB number is not shown on this questionnaire, this survey is invalid. We estimate that it will take 10 minutes to complete this questionnaire. If you have any comments regarding these estimates or other aspects of this survey, send them to the Associate Director for Administration, Attn: Paperwork Reduction Project 0607-0000, Room 3104, FB-3, Bureau of the Census, Washington, DC 20233-3600.

**DUE DATE: 30 DAYS AFTER
RECEIPT OF FORM**

Return your completed form to:

BUREAU OF THE CENSUS
1201 East Tenth Street
Jeffersonville, IN 47132-0001**Item 1. EMPLOYER IDENTIFICATION NUMBER**

Is the Employer Identification Number (EIN) shown in the label the SAME as the one used for this establishment on its latest 1997 Employer's Quarterly Federal Tax Return, Treasury Form 941?

094 1 ☐ Yes2 ☐ No - Report current
(9 digits) EIN →

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Item 2. PHYSICAL LOCATION - (Answer a through d)

a.</

Item 3. BUSINESS OR ACTIVITY – Continued**SERVICES (S) – Continued****Business Services**

- 874210 8 ☐ Administrative Management and General Management Consulting
- 731100 4 ☐ Advertising Agency
- 871200 2 ☐ Architectural Service
- 724120 1 ☐ Barber College
- 723130 1 ☐ Beauty and Cosmetology School
- 864110 2 ☐ Civic and Social Organization With Restaurant and Bar
- 864120 1 ☐ Civic and Social Organization Without Restaurant and Bar
- 733610 0 ☐ Commercial Art
- 733500 3 ☐ Commercial Photography
- 737100 8 ☐ Computer Programming Service
- 874120 9 ☐ Construction Management – Buildings
- 874130 8 ☐ Construction Management – Heavy Construction
- 733820 5 ☐ Court Reporting
- 733810 6 ☐ Document Preparation Service
- 874850 1 ☐ Economic or Industrial Planning or Development Organization
- 874830 3 ☐ Economic, Radio, and Traffic Consultant
- 874810 5 ☐ Educational Testing and Evaluation Service
- 736330 2 ☐ Employee Leasing Service
- 736110 8 ☐ Employment Agency (Except Executive Placement Services)
- 871100 4 ☐ Engineering Service
- 899920 3 ☐ Environmental Consulting
- 736120 7 ☐ Executive Placement Service
- 871320 8 ☐ Geophysical Surveying
- 733620 9 ☐ Graphic Design Service
- 874220 7 ☐ Human Resources and Personnel Management Consulting
- 738920 8 ☐ Interior Design Service
- 738111 4 ☐ Investigation Service

Item 3. BUSINESS OR ACTIVITY – Continued

881100 2 ☐ Private Household (employing domestic help, e.g., cooks, maids, gardeners, etc.)

RETAIL TRADE (R)

Retail is selling primarily from displayed merchandise for end-use. Most customers are household consumers.

- 553110 8 ☐ Auto Supply Store
 573110 4 ☐ Automotive Radio Store
 573120 3 ☐ Other Radio, TV, and Electronics Store
 581291 2 ☐ Bagel Shop
 546150 4 ☐ Bakery (primarily selling goods NOT baked on premises for carry-out customers)
 546111 6 ☐ Bakery (primarily selling goods baked on premises for carry-out customers)
 592100 2 ☐ Beer, Wine, and Liquor Store
 594130 7 ☐ Bicycle Shop
 571910 9 ☐ Blind and Shade Store
 571920 8 ☐ All Other Homefurnishings Store
 581230 0 ☐ Cafeteria
 581220 1 ☐ Caterer
 573420 7 ☐ Computer Software Store
 573411 6 ☐ Computer Store Primarily Selling Pre-assembled Computers Not Assembled at this Location
 573412 4 ☐ Computer Store-Primarily Selling Computers Assembled from Components at this Location
 541120 2 ☐ Convenience Store
 541130 1 ☐ Convenience Store Selling Gasoline
 546112 4 ☐ Cookie Shop
 571211 2 ☐ Custom Upholstered Household Furniture Store
 541142

Item 3. BUSINESS OR ACTIVITY – Continued**WHOLESALE TRADE (W)**

Wholesale is selling primarily either by order or from inventory. Most customers are retailers, other wholesalers, and large businesses.

Principal Commodity Sold – *Specify* ☒

- ☐ Agent or Broker
☐ Merchant
☐ Other Type of Wholesaler – *Specify* ☒

(Specify source of receipts in Item 4)

MANUFACTURING (M)

- ☐ Publishing, or Publishing and Printing – *Specify (newspapers, books, magazines, database, etc.)* ☒

(Specify source of receipts in Item 4)

- 275210 3 ☐ Quick Printing
275230 1 ☐ Commercial Lithographic Printing
☐ Other Commercial Printing – *Specify* ☒

(Specify source of receipts in Item 4)

- 241100 7 ☐ Logging Camp and Logging Contractor
359940 4 ☐ Machine Shop
☐ Other Manufacturing – *Specify* ☒

(Specify source of receipts in Item 4 and materials consumed in Item 5)

CONSTRUCTION (C)



U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

MC-3609

1997 ECONOMIC CENSUS

Lighting Fixtures

OMB No. 0607-0840: Approval Expires 03/31/2000

DUE DATE FEBRUARY 12, 1998

If you have questions concerning this report, please call or write the Census Bureau. In any communication, be sure to refer to the 11-digit Census File Number (CFN) printed in the label to the right. Please return any correspondence with your completed report to:

BUREAU OF THE CENSUS
1201 East 10th Street
Jeffersonville, IN 47134-0001

Call for assistance, 8:00 a.m. to 8:00 p.m., Eastern Time, Monday through Friday:

1-800-233-6136

Please read the accompanying instructions before answering the questions.

(Please correct any errors in name, address, and ZIP Code.)

YOUR RESPONSE IS REQUIRED BY LAW. Title 13, United States Code, requires businesses and other organizations that receive this questionnaire to answer the questions and return the report to the Census Bureau. By the same law, **YOUR CENSUS REPORT IS CONFIDENTIAL.** It may be seen only by Census Bureau employees and may be used only for statistical purposes. Further, copies retained in respondents' files are immune from legal process.

Item 1A. EMPLOYER IDENTIFICATION NUMBER

Is the Employer Identification Number (EIN) shown in the label the SAME as the one used for this establishment on its latest 1997 Employer's Quarterly Federal Tax Return, Treasury Form 941?

094

1 ☐ Yes

2 ☐ No - Report current
(9 digits) EIN

--	--	--	--	--	--	--	--	--	--

Item 1B. PHYSICAL LOCATION - (Answer a through d)

a. Is this establishment's physical location the same as the address shown in the label?
(P.O. box and rural route addresses are not physical locations)

☐ Yes

☐ No - Enter physical location

Number and street

City, village, or other place

State

ZIP Code

b. Is this establishment physically located inside the legal boundaries of the city, town, village, etc.?

095 1 ☐ Yes

3 ☐ No legal boundaries

2 ☐ No

4 ☐ Do not know

c. In what type of municipality is this establishment located?

096

1 ☐ City, village, or borough

3 ☐ Other - Specify

2 ☐ Town or township

4 ☐ Do not know

d. In what county is this establishment located?

Item 2. EMPLOYMENT IN 1997

a. Number of PRODUCTION WORKERS during pay period including the 12th of month (Include both full- and part-time employees)

(1) March 12

Key

1997

301

(2) May 12

302

(3) August 12

303

(4) November 12

304

b. (Sum of lines (1) through (4))

305

c. Average annual production workers (Divide line b by 4 - omit fractions)

306

d. ALL OTHER EMPLOYEES (Pay period including March 12)

307

e. Total (Sum of lines c and d)

308

Item 3A. ANNUAL PAYROLL (Exclude fringe benefits)

a. Production workers' wages

309

b. All other salaries and wages

310

c. Total (Sum of lines a and b)

311

Item 3B. FIRST QUARTER PAYROLL (Exclude fringe benefits)

Total payroll for the first quarter (January-March)

315

Item 4. PLANT HOURS WORKED BY PRODUCTION WORKERS IN 1997 (Annual)

Total plant hours worked by production workers in 1997

320

Items 3C, 5A, 5C, 6a, 6c, 7, 9, 11, and 13 - Not applicable to this report

CONTINUE ON PAGE 2

Item 5B. VALUE OF PRODUCTS EXPORTED (This is a breakout of the total value of shipments reported in item 18B)		Key	1997		Mark (X) if "0"
Report the value of PRODUCTS SHIPPED FOR EXPORT. Include shipments to customers in the Panama Canal Zone, the Commonwealth of Puerto Rico, and U.S. possessions, as well as the value of products shipped to exporters or other wholesalers for export. Also, include the value of products sold to the U.S. Government to be shipped to foreign governments. DO NOT INCLUDE PRODUCTS SHIPPED FOR FURTHER MANUFACTURE, ASSEMBLY, OR FABRICATION IN THE UNITED STATES.			Mil.	Thou.	
		399			☐ 0
Item 6b. TOTAL CAPITAL EXPENDITURES FOR 1997		Key	Mil.	Thou.	Mark (X) if "0"
Capital expenditures for new and used buildings and machinery (exclude land)					
(1) Buildings and other structures		348			☐ 0
(2) Machinery and equipment		349			☐ 0
(3) Total capital expenditures (Sum of lines (1) and (2))		350			☐ 0
Item 6d. GROSS VALUE OF ALL DEPRECIABLE ASSETS (original cost) AT END OF 1997		Key	Mil.	Thou.	
Buildings, machinery, and equipment (exclude land)		356			☐ 0
Item 8. TOTAL RENTAL PAYMENTS FOR 1997 (include land)		Key	Mil.	Thou.	Mark (X) if "0"
Buildings, machinery, and equipment (include land)		362			☐ 0
Item 10. COST OF MATERIALS AND CONTRACT WORK FOR 1997		Key	Mil.	Thou.	Mark (X) if "0"
a. Cost of materials, parts, containers, etc., used (Report detail in item 17)		321			☐ 0
b. Cost of products bought and sold without further processing or assembly (Report sales in item 18B)		322			☐ 0
c. Cost of fuels consumed for heat and power		323			☐ 0
d. Cost of purchased electricity		324			☐ 0
e. Cost of contract work done for you by others on your materials		325			☐ 0
f. Total (Sum of lines a through e)		326			☐ 0
Item 12. INVENTORIES OF THIS ESTABLISHMENT AT END OF YEAR (Report both years)		Key	1997		Mark (X) if "0"
Report inventories at cost or market using generally accepted accounting methods.			Mil.	Thou.	
a. Finished goods		335			☐ 0
b. Work-in-process		336			☐ 0
c. Materials, supplies, fuels, etc.		337			☐ 0
d. Total inventories (Sum of a, b, and c)		338			☐ 0
e. Of the value on line d, report:					
(1) Amount not subject to LIFO costing		368			☐ 0
(2) Amount subject to LIFO costing (gross)		369			☐ 0
f. Report the following applicable to line e(2):					
(1) Amount of the LIFO reserve		370			☐ 0
(2) LIFO value of line e(2) (net)		371			☐ 0
1996		Key	Mil.	Thou.	Mark (X) if "0"
		331			☐ 0
		332			☐ 0
		333			☐ 0
		334			☐ 0
		364			☐ 0
		365			☐ 0
		366			☐ 0
		367			☐ 0
230 1 ☐ Yes – Use the sum of the LIFO amount plus the LIFO reserve for completing lines a through e(2). Note: If you changed to LIFO for calendar year ending 1997, specify in the REMARKS section. 2 ☐ No – Complete only lines a through e(1) Note: Line e(1) should equal line d					
Items 3C, 5A, 5C, 6a, 6c, 7, 9, 11, and 13 — Not applicable to this report					
CONTINUE ON PAGE 3					

If not shown, please enter your 11-digit Census File Number from the address label on page 1

Census File Number

Item 14. LEGAL FORM OF ORGANIZATION

Mark (X) in the ONE box that best describes this establishment during 1997.

- 003 1 ☐ Individual proprietorship 5 ☐ Government – Specify _____
- 2 ☐ Partnership 6 ☐ Corporation (do not mark if any form of cooperative association)
- 3 ☐ Cooperative association (taxable) 9 ☐ Other – Specify ☒ _____
- 4 ☐ Cooperative association (tax-exempt) _____

Item 15. OPERATIONAL STATUS

Mark (X) in the ONE box that best describes this establishment at the end of 1997.

- 001 1 ☐ In operation
- 2 ☐ Temporarily or seasonally inactive
- 3 ☐ Ceased operation – Give date at right
- 4 ☐ Sold or leased TO another operator – Give date at right AND enter name, etc., below
- 5 ☐ Acquired or leased FROM another operator – Give date at right AND enter name, etc., below

GIVE DATE →
Enter figures
only

Month	Day	Year

Name of new/former owner or operator		Employer Identification Number (9 digits)	
Number and street		City	State ZIP Code

Item 16. OWNERSHIP, CONTROL, AND LOCATION OF OPERATIONS

a. Is the FIRST DIGIT of your Census File Number (imprinted in the address box) "0"?

- ☐ Yes – Answer parts b–d
☐ No – SKIP to item 17

097	b. Is this company owned or controlled by another company? 1 ☐ Yes → 2 ☒ No ☒	Name and address of owning or controlling company	Kind of business of this company
			Employer Identification Number (9 digits)
098	c. Does this company own or control any other company or companies? 1 ☐ Yes → 2 ☒ No ☒	Name and address of owned or controlled company If more space is needed attach a separate sheet	Kind of business of this company
			Employer Identification Number (9 digits)

d. Did this company operate at more than one location during 1997? If more space is needed, attach a separate sheet.

- 079 1 ☐ Yes – List additional locations below.
2 ☐ No – SKIP to item 17

Physical address of business location (Number and street, city, State, ZIP Code)		Kind of business (KB) at this location and Employer Identification Number	Sales and receipts		Annual payroll		Number of employees during pay period including March 12	Are these figures included in other items on this report?
(1)		(2)	(3)		(4)		(5)	(6)
			Mil.	Thou.	Mil.	Thou.		
091 1	2 KB		4		5		6	7
								☐ Yes ☐ No
092 1	2 KB		4		5		6	7
								☐ Yes ☐ No
093 1	2 KB		4		5		6	7
								☐ Yes ☐ No

Items 3C, 5A, 5C, 6a, 6c, 7, 9, 11, and 13 — Not applicable to this report

CONTINUE ON PAGE 5

INSTRUCTIONS

GENERAL INFORMATION

If you require an extension of time to complete this report, or if there are any other questions regarding this report, please write to:

**Bureau of the Census
1201 East 10th Street
Jeffersonville, IN 47134-0001**

Please include the 11-digit Census File Number which appears in the address box of this report form on any correspondence.

You may also call our toll free number 1-800-233-6136.

Public reporting burden for this collection of information is estimated to vary from one-half hour to 6 hours per response, with an average of 3.4 hours per response,

including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Associate Director for Administration/Comptroller, Attn: Paperwork Reduction Project 0607-0733, Room 3104, Federal Building 3, Bureau of the Census, Washington, DC 20233-3600. You are not required to respond to any information collection unless it displays a valid approval number from the Office of Management and Budget (OMB). The OMB 8-digit number appears in the upper right corner of this form.

DETAILED INSTRUCTIONS FOR ITEMS 2 THROUGH 12

Item 2 — EMPLOYMENT IN 1997

Report all employees at this establishment who received pay for part of the pay period including the 12th of the specified months. Include officers at this establishment, if a corporation; if an unincorporated concern, exclude proprietor or partners.

Line a, (1) through (4) — Number of production workers during the pay period including 12th of month — Report workers (up through the working-supervisor level) engaged in fabricating, processing, assembling, inspecting, and other manufacturing.

Line d — All other employees — Report nonproduction personnel, including those engaged in supervision (above the working-supervisor level), installation and servicing of own product, sales, delivery, professional, technical, administrative, etc.

Item 3 — ANNUAL PAYROLL (Exclude fringe benefits)

Follow the definition of salaries and wages used for calculating the Federal withholding tax. Report gross earnings prior to deductions paid in the calendar year to those employees reported in item 2. Include commissions, dismissal pay, bonuses, and vacation pay.

Item 4 — PLANT HOURS WORKED BY PRODUCTION WORKERS IN 1997 (ANNUAL)

Include all production hours worked, including overtime hours, but excluding paid vacations, etc. These should be reported as actual hours worked, not straight-time equivalent hours.

Item 5B — VALUE OF PRODUCTS EXPORTED

Report as exports those shipments going directly for export, including shipments to foreign subsidiaries or foreign divisions of your company and their affiliates. Include value of products shipped to exporters or other wholesalers for export. Also include the value of products sold to the U.S. Government to be shipped to foreign governments. Do not include products shipped for further manufacture, assembly, or fabrication in the United States. Shipments to customers in the Panama Canal Zone, the Commonwealth of Puerto Rico, and U.S. possessions are considered exports. Before completing this item, note that the value of exports should not exceed the total value of shipments and other receipts reported in item 18B.

Item 6b — TOTAL CAPITAL EXPENDITURES FOR 1997 (Exclude expenditures for land)

Include all costs actually incurred during 1997 chargeable to the fixed assets accounts and of the type for which depreciation or amortization accounts are ordinarily maintained. This should include construction and repair work performed by your own forces.

Item 6d — GROSS VALUE OF ALL DEPRECIABLE ASSETS AT END OF 1997

Report the original cost of depreciable assets on the books of this establishment such as buildings, structures, machinery, and equipment for which depreciation or amortization reserves are maintained. Improvements and new construction in progress, but not completed at year-end, should be included in fixed assets at a value equal to the cumulative expenditures to the end of the year. This procedure should be followed even though the asset is not in use and is not yet being depreciated.

Item 8 — TOTAL RENTAL PAYMENTS FOR 1997

Report rental payments made during the year to other companies for use of such fixed assets as buildings, structures, and equipment (including land). If the parent or subsidiary rents property for use of this establishment and pays the rent, the rents should be reported as if the establishment paid them.

Item 10 — COST OF MATERIALS AND CONTRACT WORK FOR 1997

Report total delivered cost after discounts and include freight of the materials actually consumed or put in production during the year. Include purchases, interplant transfers, and withdrawal from inventories.

If there are no records of consumption, purchases may be reported instead for minor items. This can also be done for major items if purchases do not differ significantly from the amounts actually used. Where consumption of major items differs significantly from purchases, consumption may be estimated by adding beginning inventories to the amount purchased and subtracting ending inventories.

Line a — Cost of materials, parts, containers, etc., used — The delivered cost figures should cover all raw materials, containers, scrap, supplies, etc., which were: (1) put into production, (2) used as operating supplies, or (3) used in repair and maintenance. Item 10, line a should be consistent with the data in item 17.

Line b — Cost of products bought and sold without further processing or assembly — Report the cost of all products bought and sold in the same condition as when purchased and not made part of another product manufactured by this establishment. (Total sales value of all such products is to be reported in item 18B on the line for resales.)

Line c — Cost of fuels consumed for heat and power — Report the total cost of all fuels consumed for heat, power, transportation, or the generation of electricity. Do not include the estimated costs of fuels, such as sawdust or blast furnace gas, produced as a byproduct of your manufacturing activities. Include anthracite and bituminous coal, coke, natural and manufactured gas, fuel oil, liquefied petroleum gas, gasoline, and all other fuels, including purchased steam. Be sure to include fuel used to power delivery trucks, fork lifts, or other motor vehicles associated with the establishment.

Line d — Cost of purchased electricity — Report the total cost of electric energy purchased from other companies or received from other establishments of your company. Exclude the value of electricity generated and used at this establishment.

Line e — Cost of contract work done for you by others on your materials — If any contract work was done by others on materials furnished by your establishment, report the total payments made during the year for such work, including freight out and freight in. Exclude the cost of materials worked on, which should be included in item 10, line a.

Item 12 — INVENTORIES OF THIS ESTABLISHMENT AT END OF YEAR (Report both years)

Report the value of all inventories owned by this establishment regardless of where the inventories are held. If this establishment is part of a multiestablishment company, the company should assign to each establishment those inventories that the establishment is responsible for, as if it owned them. For example, in completing the report of a manufacturing establishment or sales branch, report those inventories that are attributable to its operations, even if the inventories are held elsewhere; e.g., at a warehouse operated by your company or in a public warehouse. These inventories of an operating establishment held elsewhere should not be reported on the report of the warehouse where they are actually stored. **Inventories should not be duplicated on establishment reports.**

CONTINUE ON PAGE 5

If not shown, please enter your 11-digit Census File Number from the address label on page 1

Census File Number

Item 17. CONSUMPTION OF SELECTED MATERIALS DURING 1997

INSTRUCTIONS

1. General – The materials, parts, and supplies listed below are those commonly consumed in the manufacture, processing, or assembly of the products listed in item 18B. Please review the entire list and report separately each item consumed. Leave blank if you do not consume the item. If you use materials, parts, and supplies which are not listed, describe and report them in the "Cost of all other materials . . ." line at the end of this section. If you consumed less than \$25,000 of a listed material, include the value with "Cost of all other materials . . .," Census material code 970099 8.

Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.

If quantities are requested, please use the unit of measure specified.

If the information as requested cannot be taken directly from your book records, REASONABLE ESTIMATES ARE ACCEPTABLE.

2. Valuation of Materials Consumed – The value of the materials, etc., consumed should be based on the delivered cost; i.e., the amount paid or payable after discounts and including freight and other direct charges incurred in acquiring the materials.

Materials received from other plants within your company should be reported at their full economic value (the value assigned by the shipping plant, plus the cost of freight and other handling charges).

If purchases or transfers do not differ significantly from the amounts actually put into production, you may report the cost of purchases or transfers. However, if consumption differs significantly from the amounts purchased or transferred, these amounts should be adjusted for changes in the materials and supplies inventories by adding the beginning inventory to the amount purchased or transferred and subtracting ending inventory.

3. Produced and Consumed – Forgings, foundries, and screw machine products – Report the quantities produced and used in manufacturing other products made in this establishment in item 19. Note that the materials used to produce these items should be reported in item 17.

4. Contract Work – Include as materials consumed those you purchased for use by others making products for you under contract. Amounts paid to the companies doing the contract work should be reported in item 10, line e, and should include freight in and out. On the other hand, materials owned by others but used at this establishment in making products for others under contract or on commission should be excluded.

5. Resales – Cost for products bought and sold or transferred from other establishments of your company and sold without further manufacture, processing, or assembly should be reported in item 10, line b, not in item 17 below. The value of these products shipped by this establishment should be reported in item 18B under Census product code 99989 00 6, "Resales."

Line No.	Materials, parts, and supplies (A)	Census material code 571 (B)	Consumption of purchased materials and of materials received from other establishments of your company Cost, including delivery cost (freight-in) (E)		
			574	Thou-	Dollars
			Millions	sands	
1	Specialty transformers and fluorescent ballasts	361201 7	\$		
2	Current-carrying wiring devices	364300 4			
3	Electric lamp bulbs	364101 6			
4	Flat glass (plate, float, and sheet)	321101 8			
5	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc., but excluding sheets, rods, tubes, and shapes	282104 9			
6	Plastics products consumed in the form of sheets, rods, tubes, and other shapes	308007 4			
7	Fabricated plastics products, except gaskets	308006 6			
8	Insulated wire and cable, including magnet wire	335796 9			
9	Paperboard containers, boxes, and corrugated paperboard	265001 8			
10	FABRICATED METAL PRODUCTS (Except forgings)				
11	Bolts, nuts, screws, washers, rivets, and screw machine products	345001 2			
12	Metal poles	349910 0			
13	All other fabricated metal products	340060 3			
14	Forgings	346000 3			
15	CASTINGS (Rough and semifinished)				
16	Iron and steel	332001 7			
	Aluminum and aluminum-base alloy	336005 4			
	Other nonferrous	336003 9			

CONTINUE WITH ITEM 17 ON PAGE 6

Item 17. CONSUMPTION OF SELECTED MATERIALS DURING 1997 – Continued

Line No.	Materials, parts, and supplies		Census material code	Consumption of purchased materials and of materials received from other establishments of your company				
				Cost, including delivery cost (freight-in)				
				(E)				
	(A)	(B)	571	574	Millions	Thou-sands	Dollars	
17	Shapes and Forms (Except castings and forgings)	STEEL	Sheet and strip	331022 4	\$			
18		Wire and wire products	331027 3					
19		All other steel mill shapes and forms	331096 8					
20		ALUMINUM AND ALUMINUM-BASE ALLOY	Sheet, plate, foil, and welded tubing	335301 8				
21			Extruded shapes (including extruded rod, bar, pipe, tube, etc.)	335405 7				
22			All other (wire, rolled rod and bar, etc.)	335008 9				
23		Copper and copper-base alloy	335004 8					
24		Other nonferrous shapes and forms	335099 8					
25		Lamp shades	399951 3					
26	Cost of all other materials and components, parts, containers, and supplies consumed <i>Describe the principal materials, etc., included in this value.</i>		970099 8					
27	TOTAL Sum of lines 1–26 should equal item 10, line a			\$				

Item 18A – Not applicable to this report**Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997****INSTRUCTIONS**

- 1. General** – The manufactured products and services listed below are generally made in your industry. If you make products that are not listed, describe and report them in the "All other products made in this establishment" section at the end of item 18B. PLEASE DO NOT COMBINE PRODUCT LINES.

If quantities are requested, please use the unit of measure specified.

If the information as requested cannot be taken directly from your book records, REASONABLE ESTIMATES ARE ACCEPTABLE.

- 2. Valuation of Products** – Report the value of the products shipped and services performed at the net selling value, f.o.b. plant to the customer; i.e., after discounts and allowances, and exclusive of freight charges and excise taxes.

If you transfer products to other establishments within your company, you should assign the full economic value to the transferred products; i.e., include all direct costs of production and a reasonable proportion of all other costs and profits.

- 3. Contract Work** – Report PRODUCTS MADE BY OTHERS FOR YOU FROM YOUR MATERIALS on the specific lines as if they were made in this establishment. On the other hand, do not report on the specific product lines

PRODUCTS THAT YOU MADE FROM MATERIALS OWNED BY OTHERS. Report only the amount that you received for "commission or contract receipts" under Census product code 93000 00 8.

- 4. Resales** – Do not report on the specific product lines those PRODUCTS BOUGHT AND SOLD OR TRANSFERRED FROM OTHER ESTABLISHMENTS OF YOUR COMPANY AND SOLD WITHOUT FURTHER MANUFACTURE. Report only a value under Census product code 99989 00 6, "Resales."
- 5. Detailed Data Reported Elsewhere** – Items denoted by an asterisk (*) require totals for groups of products covered in the more frequent Current Industrial Reports (CIR). If you report on the CIR forms, the sum of the detailed CIR products should equal the total reported on this census form. The Current Industrial Reports related to this report are as follows:
- a. MA36A, Switchgear, Switchboard Apparatus, Relays, and Industrial Controls
 - b. MA36K, Wiring Devices and Supplies
 - c. MA36L, Electric Lighting Fixtures
 - d. MA36P, Communication Equipment, Including Telephone, Telegraph, and Other Electronic Systems and Equipment

NOTE: Only CIR totals are requested; do not duplicate detail reported on the CIR.

CONTINUE WITH ITEM 18B ON PAGE 7

If not shown, please enter your 11-digit Census File Number from the address label on page 1

Census File Number

ITEM 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 – Continued

Line No.	Products and services *Item corresponds to products reported on Current Industrial Reports		Census product code 581	Corresponds to the sum of products reported for 1997 on –		Products shipped and other receipts Value, f.o.b. plant (E)		
				CIR form (B-2)	Codes (B-3)	584 Millions	Thou- sands	Dollars
	(A)	(B-1)						
1	Residential-type electric fixtures (except portable; including parts and accessories) (36451)*		36451 00 3	MA36L	1011-1101	\$		
2	Portable Residential-Type Lighting Fixtures and Parts for Portable Residential-Type Lighting Fixtures (36457) INCANDESCENT PORTABLE LAMPS, COMPLETE WITH SHADE (Report lamps without shades on line 6) Floor lamps Wall lamps (including adjustable types) Table lamps (excluding desk) Other (including boudoir and desk) – <i>Specify kind</i> Incandescent portable lamps sold without shades (including floor, table, etc.) Fluorescent portable lamps (desk, etc.) Parts and accessories for portable residential lighting fixtures		36457 21 6					
3			36457 22 4					
4			36457 23 2					
5			36457 29 9					
6			36457 32 3					
7			36457 61 2					
8			36457 73 7					
9	Commercial- and institutional-type electric lighting fixtures (including parts and accessories) (36462)*		36462 00 0	MA36L ↑ ↓	2101-2298			
10	Industrial-type electric lighting fixtures (including parts and accessories) (36463)*		36463 00 8		2302-2339			
11	Vehicular lighting equipment, electric (including parts and accessories) (36470)		36470 00 3					
12	Outdoor lighting equipment except lamps (including parts and accessories) (36485)*		36485 00 1	MA36L	2510-2598			
13	Other Electric and Nonelectric Lighting Equipment (Including hand portable equipment and parts and accessories) (36489) INCANDESCENT HAND PORTABLE LIGHTING EQUIPMENT (Except parts) Rechargeable battery-operated Other than rechargeable battery-operated: • Flashlights and flashlight lanterns (one to five cells) • Other, such as miners' lights, emergency warning lights, generator flashlights, etc. – <i>Specify kind</i> Other incandescent electric lighting equipment (including marine markers or beacons, railway and other vehicular route lighting equipment, etc.), except parts and accessories – <i>Specify kind</i> Other fluorescent lighting equipment, complete units (including processing and technical equipment) – <i>Specify kind</i> Other electric lighting equipment (including electrical discharge, such as mercury vapor [other than street and highway lighting equipment], sodium vapor [excluding signs], ultraviolet and infrared health lamp fixtures (excluding lamp bulbs sold separately), etc. – <i>Specify kind</i>		36489 12 8					
14			36489 16 9					
15			36489 17 7					
16			36489 31 8					
17			36489 75 5					
18	(Continued on next page)		36489 79 7					

CONTINUE ON PAGE 8

Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 – Continued

Line No.	Products and services *Item corresponds to products reported on Current Industrial Reports		Census product code 581	Corresponds to the sum of products reported for 1997 on –		Products shipped and other receipts		
				CIR form (B-2)	Codes (B-3)	Value, f.o.b. plant (E)		
	(A)		(B-1)			584 Millions	Thou- sands	Dollars
19	Other Electric and Nonelectric Lighting Equipment (Including hand portable equipment and parts and accessories) (36489) – Continued	Parts and accessories for other electric lighting fixtures, n.e.c.	36489 70 6			\$		
20		NONELECTRIC LIGHTING EQUIPMENT (Including parts)						
		Nonelectric lighting fixtures and equipment, complete units (including lamps and lanterns (including kerosene, gasoline, propane, butane, etc., and carbide lamps of all types)) – <i>Specify kind</i>	36489 84 7					
21		Parts and accessories for nonelectric lighting equipment (including reflectors and fittings, incandescent mantles, etc.) – <i>Specify kind</i>	36489 85 4					
22	Automotive mirrors (except mirror assemblies)		3231A 71 4					
23	Lampholders (36431)*		36431 00 5	MA36K	2000–2026			
24	Low voltage panelboards, distribution boards, and other switching and interrupting devices, 1000 volts and below (36133)*		36133 00 7	MA36A	3001–3201			
25	Alarm systems, including electric sirens and horns (marine, industrial and air raid) security locking systems (36691)*		36691 00 4	MA36P	3111–3149			
26	Motor vehicle hardware (including lock units, door and window handles, window regulators, hinges, license plate brackets, instrument panel knobs, etc.)		34296 00 4					
27	Parts for carburetors (excluding gaskets and screw machine products; including carburetor temperature controls)		35921 05 5					
28	Electric lamp bulbs and tubes (including sealed beam lamp bulbs) (36411)		36411 00 7					
29	Current-carrying wiring devices (including attachment plug caps, connector bodies, lightning arrestors, and pin-and-sleeve convenience power outlets; excluding lamp holders, convenience and power outlets (except pin-and-sleeve), switches, metal contacts, and wire connectors for electrical circuitry) (36436)*		36436 00 4	MA36K	3633–3698			
30	Parts for engine electrical/electronic equipment – <i>Specify kind</i>		36949 00 6					
31	Motor vehicle bumper assemblies, bumpers, and parts		37149 01 0					
32	Motor vehicle parts and accessories, new (excluding gasoline engine and gasoline engine parts, filters for internal combustion engines and motor vehicles, exhaust system parts, drive train components, wheels, and brake parts and assemblies, bumper assemblies, bumpers, and parts) – <i>Specify kind</i>		37149 00 2					

CONTINUE WITH ITEM 18B ON PAGE 9

If not shown, please enter your 11-digit Census File Number from the address label on page 1

Census File Number

Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 – Continued

Line No.	Products and services *Item corresponds to products reported on Current Industrial Reports	Census product code	Corresponds to the sum of products reported for 1997 on –	Products shipped and other receipts Value, f.o.b. plant (E)			
	(A)	(B-1)	CIR form (B-2)	Codes (B-3)	584 Millions	Thou- sands	Dollars
33	ALL OTHER PRODUCTS MADE IN THIS ESTABLISH- MENT	<i>Describe and report separately each product with a sales value of \$50,000 or more which cannot be assigned to one of the lines above. For all remaining products, write "Other" and report a single total value.</i>	18		\$		
34			26				
35			34				
36			42				
37			59				
38			67				
39			75				
40			83				
41			91				
42	CONTRACT WORK	Receipts for work done for others on their own materials <i>Describe below products worked on and kind of work.</i>	93000 00 8				
43	MISCELLA- NEOUS RECEIPTS	Sales of scrap, refuse, and other miscellaneous receipts (including receipts for repair work, etc.)	99980 00 5				
44	RESALES	Sales of products bought and sold without further manufacture, processing, or assembly in this establishment. The cost of such items should be reported in item 10, line b.	99989 00 6				
45	TOTAL value of shipments and other receipts Sum of lines 1–44, column (E)		77000 00 8		\$		

CONTINUE WITH ITEM 19 ON PAGE 10

Item 19. SELECTED PRODUCTS PRODUCED IN THIS ESTABLISHMENT AND USED IN MANUFACTURING OTHER PRODUCTS MADE IN THIS ESTABLISHMENT**INSTRUCTIONS**

- Report below the quantity of each listed item produced in this establishment and used in manufacturing other products made in this establishment.
- Purchases or receipts of the items specified below should be reported only in item 17.
- Materials used to produce the items specified below should be reported in item 17.
- Quantities produced for sale as such and not for incorporation in other products should be reported in item 18B.
- Report quantities in the unit of measure specified in column (D).

Line No.	Item (A)	Census code (B)	Was this operation performed at this establishment during 1997? (C)		Unit of measure for quantities (D)	Quantities produced in this establishment and used in manufacturing other products made in this establishment (E)
			592			
			591	593		
1	Ferrous foundries	1001 7	1 ☐	2 ☐	Short tons	
2	NONFERROUS FOUNDRIES (Except die-casting)	Aluminum	1002 5	1 ☐	2 ☐	Thousand pounds
3		Copper	1003 3	1 ☐	2 ☐	
4		Zinc	1004 1	1 ☐	2 ☐	
5		Other	1005 8	1 ☐	2 ☐	
6	Nonferrous die-casting foundries	1006 6	1 ☐	2 ☐		
7	Precision turned products (on screw machines, turning centers, and CNC equipment)	1007 4	1 ☐	2 ☐		

Items 20 and 21 – Not applicable to this report**REMARKS** – Please use this space for any explanations that may be essential in understanding your reported data.**Item 22. CERTIFICATION** – This report is substantially accurate and has been prepared in accordance with instructions.

Name of person to contact regarding this report (<i>Print or type</i>)				Telephone		Area code		Number		Extension			
667 1						2							
Name of company						Address (<i>Number and street, city, State, ZIP Code</i>)							
Period covered		FROM: Month		Day		Year		TO: Month		Day		Year	
		666 1						2					
Signature of authorized person						Title				Date			

Please photocopy this form for your records

Materials Summary

1997

Issued August 2001

EC97M31S-MS

1997 Economic Census

Manufacturing

Subject Series



U S C E N S U S B U R E A U

Helping You Make Informed Decisions

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU



ACKNOWLEDGMENTS

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Materials Summary

1997

Issued August 2001

EC97M31S-MS

1997 Economic Census

Manufacturing

Subject Series



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-- Not applicable for this report.

Introduction to the Economic Census

PURPOSES AND USES OF THE ECONOMIC CENSUS

The economic census is the major source of facts about the structure and functioning of the Nation's economy. It provides essential information for government, business, industry, and the general public. Title 13 of the United States Code (Sections 131, 191, and 224) directs the Census Bureau to take the economic census every 5 years, covering years ending in 2 and 7.

The economic census furnishes an important part of the framework for such composite measures as the gross domestic product estimates, input/output measures, production and price indexes, and other statistical series that measure short-term changes in economic conditions. Specific uses of economic census data include the following:

- Policymaking agencies of the Federal Government use the data to monitor economic activity and assess the effectiveness of policies.
- State and local governments use the data to assess business activities and tax bases within their jurisdictions and to develop programs to attract business.
- Trade associations study trends in their own and competing industries, which allows them to keep their members informed of market changes.
- Individual businesses use the data to locate potential markets and to analyze their own production and sales performance relative to industry or area averages.

ALL-NEW INDUSTRY CLASSIFICATIONS

Data from the 1997 Economic Census are published primarily on the basis of the North American Industry Classification System (NAICS), unlike earlier censuses, which were published according to the Standard Industrial Classification (SIC) system. NAICS is in the process of being adopted in the United States, Canada, and Mexico. Most economic census reports cover one of the following NAICS sectors:

21	Mining
22	Utilities
23	Construction
31-33	Manufacturing
42	Wholesale Trade
44-45	Retail Trade
48-49	Transportation and Warehousing
51	Information

52	Finance and Insurance
53	Real Estate and Rental and Leasing
54	Professional, Scientific, and Technical Services
55	Management of Companies and Enterprises
56	Administrative and Support and Waste Management and Remediation Services
61	Educational Services
62	Health Care and Social Assistance
71	Arts, Entertainment, and Recreation
72	Accommodation and Foodservices
81	Other Services (except Public Administration)

(Not listed above are the Agriculture, Forestry, Fishing, and Hunting sector (NAICS 11), partially covered by the census of agriculture conducted by the U.S. Department of Agriculture, and the Public Administration sector (NAICS 92), covered by the census of governments conducted by the Census Bureau.)

The 20 NAICS sectors are subdivided into 96 subsectors (three-digit codes), 313 industry groups (four-digit codes), and, as implemented in the United States, 1170 industries (five- and six-digit codes).

RELATIONSHIP TO SIC

While many of the individual NAICS industries correspond directly to industries as defined under the SIC system, most of the higher level groupings do not. Particular care should be taken in comparing data for retail trade, wholesale trade, and manufacturing, which are sector titles used in both NAICS and SIC, but cover somewhat different groups of industries. The industry definitions discuss the relationships between NAICS and SIC industries. Where changes are significant, it will not be possible to construct time series that include data for points both before and after 1997.

For 1997, data for auxiliary establishments (those functioning primarily to manage, service, or support the activities of their company's operating establishments, such as a central administrative office or warehouse) will not be included in the sector-specific reports. These data will be published separately.

GEOGRAPHIC AREA CODING

Accurate and complete information on the physical location of each establishment is required to tabulate the census data for the states, metropolitan areas (MAs), counties, parishes, and corporate municipalities including cities, towns, villages, and boroughs. Respondents were

required to report their physical location (street address, municipality, county, and state) if it differed from their mailing address. For establishments not surveyed by mail (and those single-establishment companies that did not provide acceptable information on physical location), location information from Internal Revenue Service tax forms is used as a basis for coding.

BASIS OF REPORTING

The economic census is conducted on an establishment basis. A company operating at more than one location is required to file a separate report for each store, factory, shop, or other location. Each establishment is assigned a separate industry classification based on its primary activity and not that of its parent company.

DOLLAR VALUES

All dollar values presented are expressed in current dollars; i.e., 1997 data are expressed in 1997 dollars, and 1992 data, in 1992 dollars. Consequently, when making comparisons with prior years, users of the data should consider the changes in prices that have occurred.

All dollar values are shown in thousands of dollars.

AVAILABILITY OF ADDITIONAL DATA

Reports in Print and Electronic Media

All results of the 1997 Economic Census are available on the Census Bureau Internet site (www.census.gov) and on compact discs (CD-ROM) for sale by the Census Bureau. Unlike previous censuses, only selected highlights are published in printed reports. For more information, including a description of electronic and printed reports being issued, see the Internet site, or write to U.S. Census Bureau, Washington, DC 20233-8300, or call Customer Services at 301-457-4100.

Special Tabulations

Special tabulations of data collected in the 1997 Economic Census may be obtained, depending on availability of time and personnel, in electronic or tabular form. The data will be summaries subject to the same rules prohibiting disclosure of confidential information (including name, address, kind of business, or other data for individual business establishments or companies) that govern the regular publications.

Special tabulations are prepared on a cost basis. A request for a cost estimate, as well as exact specifications on the type and format of the data to be provided, should be directed to the Chief of the division named below, U.S. Census Bureau, Washington, DC 20233-8300. To discuss a special tabulation before submitting specifications, call the appropriate division:

Manufacturing and Construction Division	301-457-4673
Service Sector Statistics Division	301-457-2668

HISTORICAL INFORMATION

The economic census has been taken as an integrated program at 5-year intervals since 1967 and before that for 1954, 1958, and 1963. Prior to that time, individual components of the economic census were taken separately at varying intervals.

The economic census traces its beginnings to the 1810 Decennial Census, when questions on manufacturing were included with those for population. Coverage of economic activities was expanded for the 1840 Decennial Census and subsequent censuses to include mining and some commercial activities. The 1905 Manufactures Census was the first time a census was taken apart from the regular decennial population census. Censuses covering retail and wholesale trade and construction industries were added in 1930, as were some covering service trades in 1933. Censuses of construction, manufacturing, and the other business service censuses were suspended during World War II.

The 1954 Economic Census was the first census to be fully integrated: providing comparable census data across economic sectors, using consistent time periods, concepts, definitions, classifications, and reporting units. It was the first census to be taken by mail, using lists of firms provided by the administrative records of other Federal agencies. Since 1963, administrative records also have been used to provide basic statistics for very small firms, reducing or eliminating the need to send them census questionnaires.

The range of industries covered in the economic censuses expanded between 1967 and 1992. The census of construction industries began on a regular basis in 1967, and the scope of service industries, introduced in 1933, was broadened in 1967, 1977, and 1987. While a few transportation industries were covered as early as 1963, it was not until 1992 that the census broadened to include all of transportation, communications, and utilities. Also new for 1992 was coverage of financial, insurance, and real estate industries. With these additions, the economic census and the separate census of governments and census of agriculture collectively covered roughly 98 percent of all economic activity.

Printed statistical reports from the 1992 and earlier censuses provide historical figures for the study of long-term time series and are available in some large libraries. All of the census reports printed since 1967 are still available for sale on microfiche from the Census Bureau. CD-ROMs issued from the 1987 and 1992 Economic Censuses contain databases including nearly all data published in print, plus additional statistics, such as ZIP Code statistics, published only on CD-ROM.

SOURCES FOR MORE INFORMATION

More information about the scope, coverage, classification system, data items, and publications for each of the economic censuses and related surveys is published in the *Guide to the 1997 Economic Census and Related Statistics* at www.census.gov/econguide. More information on the methodology, procedures, and history of the censuses will be published in the *History of the 1997 Economic Census* at www.census.gov/econ/www/history.html.

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used with the 1997 Economic Census data:

A	Standard error of 100 percent or more.
D	Withheld to avoid disclosing data of individual companies; data are included in higher level totals.
F	Exceeds 100 percent because data include establishments with payroll exceeding revenue.
N	Not available or not comparable.
Q	Revenue not collected at this level of detail for multiestablishment firms.
S	Withheld because estimates did not meet publication standards.

V	Represents less than 50 vehicles or .05 percent.
X	Not applicable.
Y	Disclosure withheld because of insufficient coverage of merchandise lines.
Z	Less than half the unit shown.
a	0 to 19 employees.
b	20 to 99 employees.
c	100 to 249 employees.
e	250 to 499 employees.
f	500 to 999 employees.
g	1,000 to 2,499 employees.
h	2,500 to 4,999 employees.
i	5,000 to 9,999 employees.
j	10,000 to 24,999 employees.
k	25,000 to 49,999 employees.
l	50,000 to 99,999 employees.
m	100,000 employees or more.
p	10 to 19 percent estimated.
q	20 to 29 percent estimated.
r	Revised.
s	Sampling error exceeds 40 percent.
nec	Not elsewhere classified.
nsk	Not specified by kind.
–	Represents zero (page image/print only).
(CC)	Consolidated city.
(IC)	Independent city.

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Manufacturing

SCOPE

The 1997 Economic Census – Manufacturing covers all manufacturing establishments with one or more paid employees. Manufacturing is defined as the mechanical, physical, or chemical transformation of materials or substances into new products. The assembly of components into new products is also considered manufacturing, except when it is appropriately classified as construction.

Establishments in the manufacturing sector are often described as plants, factories, or mills and typically use power-driven machines and materials-handling equipment. Also included in the manufacturing sector are some establishments that make products by hand, like custom tailors and the makers of custom draperies. While manufacturers typically do not sell to the public, some establishments like bakeries and candy stores that make products on the premises may be included.

While logging and publishing are no longer in the scope of manufacturing, data for these industries are included in the manufacturing industry reports, but are not included in the manufacturing state, summary, and other reports.

GENERAL

This report, from the 1997 Economic Census – Manufacturing, is one of a series of 480 industry reports and 51 geographic area reports, each of which provides statistics for individual industries or states, respectively. Seven of the industry reports are for industries no longer in the manufacturing sector but are included with manufacturing for the 1997 census year. Also included for this sector are General, Product, and Materials Consumed Summary reports, a special report on Concentration Ratios in Manufacturing, and data files on Location of Manufacturing Plants.

Each industry report presents data for a six-digit North American Industry Classification System (NAICS) industry. A description of the particular NAICS industry may be found in Appendix B. These reports include such statistics as number of establishments, employment, payroll, value added by manufacture, cost of materials consumed, value of shipments, capital expenditures, etc. Explanations of these and other terms may be found in Appendix A. The industry reports also include data for states with 100 employees or more in the industry.

State reports, which include the District of Columbia, present similar statistics at the “all manufacturing” level for each state and its metropolitan areas (MAs) with 250

employees or more, and for counties, consolidated cities, and places with 500 employees or more. The state reports also include six-digit NAICS level data for industries with 100 employees or more in the state.

The General Summary report contains industry and geographic area statistics summarized in one report. It includes higher levels of aggregation than the industry and state reports, as well as revisions to the data made after the release of the industry and state reports.

The Products and Materials Consumed reports summarize the products and materials data published in the industry reports. The Product Summary report also includes data from the Current Industrial Reports (CIR) and a special table with data for products that are primary to more than one industry, which are not in the industry reports.

The Concentration Ratios report publishes data on the percentage of value of shipments accounted for by the 4-, 8-, 20-, and 50-largest companies for each manufacturing industry. Also shown in this report are Hirschmann-Herfindahl Indexes for each industry.

The Location of Manufacturing data files contain statistics on the number of establishments for the three- and six-digit NAICS industry by state, county, place, and ZIP Code by employment-size of the establishment.

GEOGRAPHIC AREAS COVERED

Statistics at the six-digit NAICS industry level are shown for states and the District of Columbia in both the state and industry reports for cells with 100 employees or more.

The state reports also include data at the “all manufacturing” level for a variety of geographies that meet the employment criteria.

Data are available for the metropolitan areas (MAs) with 250 employees or more. The term MA is a general term used to encompass all of the specifically defined metropolitan areas. A consolidated metropolitan statistical area (CMSA) is made up of two or more contiguous primary metropolitan statistical areas (PMSAs) with a combined population of at least 1 million. A PMSA is a subdivision of a CMSA that demonstrates very strong internal economic and social links separate from the ties to other portions of the CMSA. A metropolitan statistical area (MSA) is an integrated economic and social unit with a population of at least 50,000. An MA is made up of one or more counties meeting standards of metropolitan character. In New England, cities and towns, rather than counties, are the

component geographic units. Determination of the MAs was made by the Office of Management and Budget (OMB) as of June 30, 1997. The population estimates were from the 1990 Census of Population or a subsequent special census. When applicable, the make-up of an MA is included in Appendix E. Changes to geographical boundaries are noted in Appendix D.

The state reports include data for counties with 500 employees or more. These are the primary divisions of states, except in Louisiana where they are called parishes and in Alaska where they are called boroughs and census areas. Maryland, Missouri, Nevada, and Virginia have one or more places that are independent of county organizations. These places are treated as counties and places. The counties and places are defined as of January 1, 1997.

The state reports include data for places with 500 employees or more. Places are typically cities, towns, and villages. They may be incorporated municipalities, semi-independent municipalities, special economic urban areas (SEUAs), or other place equivalents.

The state reports also include data for consolidated cities with 500 employees or more. Consolidated cities are made up of separately incorporated municipalities.

COMPARABILITY OF THE 1992 AND 1997 CENSUSES

The adoption of the North American Industry Classification System (NAICS) has had a major impact on the comparability of data between the 1992 and 1997 censuses. Approximately half of the industries in the manufacturing sector of NAICS do not have comparable industries in the Standard Industrial Classification (SIC) system that was used in the past. If industries are not comparable between the two censuses, historic data are not shown. When applicable, Appendix G shows the product class and product comparability between the two systems.

While most of the change affecting the manufacturing sector was change within the sector, some industries left manufacturing and others came into manufacturing. Prominent among those leaving manufacturing are logging and portions of publishing. Prominent among the industries coming into the manufacturing sector are bakeries, candy stores where candy is made on the premises, custom tailors, makers of custom draperies, and tire retreading. Data for the industries coming into manufacturing as well as those leaving manufacturing are included in the manufacturing industry report series for 1997. However, the state and summary reports only include data for industries in the NAICS definition of manufacturing.

Another change resulting from the conversion to NAICS is that data for central administrative offices (CAOs) associated with manufacturing are not included along side the manufacturing data. This change affects data in the state reports and the general summary.

DISCLOSURE

In accordance with Federal law governing census reports (Title 13 of the United States Code), no data are published that would disclose the operations of an individual establishment or company. However, the number of establishments classified in a specific industry or geography is not considered a disclosure, and may be released even when other information is withheld.

The disclosure analysis for the industry statistics files is based on the total value of shipments. When the total value of shipments cannot be shown without disclosing information for individual companies, the complete line is suppressed except for capital expenditures. However, the suppressed data are included in higher-level totals. A separate disclosure analysis is performed for capital expenditures that can be suppressed even though value of shipments data are published.

AVAILABILITY OF MORE FREQUENT ECONOMIC DATA

The Census Bureau conducts the Annual Survey of Manufactures (ASM) in each of the 4 years between the economic censuses. The ASM is a probability-based sample of approximately 58,000 establishments and collects many of the same industry statistics (including employment, payroll, value of shipments, etc.) as the economic census. However, there are selected statistics not included in the ASM. Among these are the number of companies and establishments, detailed product and materials data, and substate geographic data.

In addition to the ASM, the Census Bureau conducts a Current Industrial Reports (CIR) program. The CIR publishes detailed product statistics for selected manufacturing industries at the U.S. level annually and, in some cases, monthly and/or quarterly. For the 1997 Economic Census – Manufacturing, the annual CIR data are included in the Product Summary report.

The Census Bureau also conducts the monthly Manufacturers' Shipments, Inventories, and Orders (M3) program, which publishes detailed statistics for manufacturing industries at the U.S. level.

Table 1. Materials Consumed by Kind by Industry: 1997 and 1992

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS material code	Industry and materials consumed	1997		1992		
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)	
311111, DOG & CAT FOOD MFG						
11114001	Wheat	1,000 s tons..	260.8	37 755	238.3	27 245
11115001	Field corn, whole grain	mil lb..	5 485.9	337 791	S	168 736
11119901	Oats	1,000 s tons..	13.8	2 630	D	D
11119903	Barley	1,000 s tons..	11.1	3 064	4.7	1 209
11119905	Sorghum	1,000 s tons..	D	D	36.7	5 390
31121101	Wheat flour	1,000 cwt..	S	60 013	3 375.5	27 421
31121115	Wheat millfeed and screenings	1,000 s tons..	S	57 355	P360.4	34 770
31122207	Soybean millfeed and screenings	1,000 s tons..	51.6	10 125	37.7	7 720
31121135	Other millfeed and screenings	1,000 s tons..	29.9	5 711	D	D
31121137	Hominy feed and corn meal	1,000 s tons..	21.1	5 343	N	N
31122109	Corn gluten feed and meal	1,000 s tons..	489.1	136 512	P334.3	80 521
31111900	Alfalfa meal, excluding alfalfa hay	1,000 s tons..	D	D	10.5	1 590
31131003	Sugar, cane and beet (in terms of sugar solids)	1,000 s tons..	S	9 752	S	5 762
31131007	Molasses	1,000 s tons..	D	503	2.6	302
31122307	Cottonseed cake and meal	1,000 s tons..	D	D	D	D
31100017	Fats and oils	1,000 s tons..	463.7	174 086	P272.1	92 840
31161303	Meat meal and tankage	1,000 s tons..	P1 075.7	318 622	P941.3	194 778
31161305	Poultry feather and byproducts meal	1,000 s tons..	469.5	205 682	320.0	118 422
31170000	Fish meal and solubles (dry weight equivalent)	1,000 s tons..	225.4	100 931	116.8	50 626
31212000	Brewers' and distillers' grains	1,000 s tons..	233.3	70 877	111.7	21 515
31122205	Soybean cake and meal	1,000 s tons..	627.1	154 191	S	150 272
32518827	Calcium	1,000 s tons..	P71.2	3 029	S	4 625
32518837	Phosphorus, elemental (technical)	1,000 s tons..	S	17 882	15.2	11 936
31194205	Salt	1,000 s tons..	S	2 767	49.0	4 787
32518841	Other minerals, except trace minerals	1,000 s tons..	20.9	13 663	20.2	8 744
32541109	Vitamins		X	44 219	X	24 593
32541111	Drugs and antibiotics		X	D	X	406
32541105	Other microingredients, including trace minerals		X	65 670	X	47 562
32221001	Paperboard containers, boxes, and corrugated paperboard		X	82 972	X	117 451
001900A1	Packaging paper and plastics film, coated and laminated		X	93 051	X	36 281
31491101	Bags, textile (burlap, cotton, polypropylene, etc.)		X	D	X	D
001900A3	Bags; plastics, foil, and coated paper		X	138 999	X	88 754
32222401	Bags; uncoated paper and multiwall		X	102 370	X	90 834
33243101	Metal cans, can lids and ends		X	377 377	X	291 774
00970099	All other materials and components, parts, containers, and supplies		X	618 618	X	564 013
00971000	Materials, ingredients, containers, and supplies, n.s.k.		X	434 739	X	122 289
311119, OTHER ANIMAL FOOD MFG						
11114001	Wheat	1,000 s tons..	S	141 556	N	N
11115001	Field corn, whole grain	mil lb..	S	3 109 926	N	N
11119901	Oats	1,000 s tons..	552.0	80 092	N	N
11119903	Barley	1,000 s tons..	749.6	95 804	N	N
11119905	Sorghum	1,000 s tons..	S	157 140	N	N
31121101	Wheat flour	1,000 cwt..	S	43 597	N	N
31121115	Wheat millfeed and screenings	1,000 s tons..	S	291 952	N	N
31122207	Soybean millfeed and screenings	1,000 s tons..	988.5	178 975	N	N
31121135	Other millfeed and screenings	1,000 s tons..	S	190 965	N	N
31121137	Hominy feed and corn meal	1,000 s tons..	198.2	26 017	N	N
31122109	Corn gluten feed and meal	1,000 s tons..	424.0	82 844	N	N
31111900	Alfalfa meal, excluding alfalfa hay	1,000 s tons..	274.7	45 275	N	N
31131003	Sugar, cane and beet (in terms of sugar solids)	1,000 s tons..	S	15 467	N	N
31131007	Molasses	1,000 s tons..	767.6	77 357	N	N
31122307	Cottonseed cake and meal	1,000 s tons..	S	193 416	N	N
31100017	Fats and oils	1,000 s tons..	1 150.5	380 333	N	N
31161303	Meat meal and tankage	1,000 s tons..	1 130.3	318 783	N	N
31161305	Poultry feather and byproducts meal	1,000 s tons..	P947.2	317 502	N	N
31170000	Fish meal and solubles (dry weight equivalent)	1,000 s tons..	283.3	126 557	N	N
31212000	Brewers' and distillers' grains	1,000 s tons..	589.6	84 182	N	N
31122205	Soybean cake and meal	1,000 s tons..	9 580.7	2 495 334	N	N
32518827	Calcium	1,000 s tons..	S	51 151	N	N
32518837	Phosphorus, elemental (technical)	1,000 s tons..	750.1	186 767	N	N
31194205	Salt	1,000 s tons..	S	38 852	N	N
32518841	Other minerals, except trace minerals	1,000 s tons..	S	214 439	N	N
32541109	Vitamins		X	379 116	X	N
32541111	Drugs and antibiotics		X	368 890	X	N
32541105	Other microingredients, including trace minerals		X	354 149	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard		X	9 393	X	N
001900A1	Packaging paper and plastics film, coated and laminated		X	45 126	X	N
31491101	Bags, textile (burlap, cotton, polypropylene, etc.)		X	8 377	X	N
001900A3	Bags; plastics, foil, and coated paper		X	39 600	X	N
32222401	Bags; uncoated paper and multiwall		X	65 031	X	N
33243101	Metal cans, can lids and ends		X	567	X	N
00970099	All other materials and components, parts, containers, and supplies		X	927 326	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.		X	2 042 991	X	N
311211, FLOUR MILLING						
11114003	Wheat	mil bushels..	785.0	3 990 970	875.9	3 177 824
11115003	Corn	mil bushels..	125.5	453 351	133.9	287 688
11119911	Barley	mil bushels..	P1.9	6 538	S	8 838
11119913	Oats	mil bushels..	D	D	32.6	58 030
11110005	Other grains	mil bushels..	S	D	12.4	43 755
31121101	Wheat flour	1,000 sacks (cwt)..	16 424.0	127 929	23 336.2	146 904
32222401	Bags; uncoated paper and multiwall		X	50 478	X	49 152
31491101	Bags, textile (burlap, cotton, polypropylene, etc.)	mil bags..	S	6 106	N	3 745
00970099	All other materials and components, parts, containers, and supplies		X	480 517	X	D
00971000	Materials, ingredients, containers, and supplies, n.s.k.		X	524 213	X	N
311212, RICE MILLING						
11116000	Rice, rough	mil lb..	S	1 431 176	13 455.5	795 795
31491101	Bags, textile (burlap, cotton, polypropylene, etc.)		X	44 336	X	21 951
001900A3	Bags; plastics, foil, and coated paper		X	3 230	X	2 764
32222401	Bags; uncoated paper and multiwall		X	D	X	4 273
001900A1	Packaging paper and plastics film, coated and laminated		X	D	X	14 532
00970099	All other materials and components, parts, containers, and supplies		X	48 540	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.		X	114 497	X	D

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		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	311213, MALT MFG				
11119911	Barleymil bushels..	151.8	493 365	128.9	326 855
00970099	All other materials and components, parts, containers, and supplies	X	7 241	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	6 355	X	D
	311221, WET CORN MILLING				
11116000	Rice, rough mil lb..	280.7	160 567	D	D
11115003	Corn mil lb..	D	3 675 049	1 303.1	2 587 660
11119915	Sorghum mil lb..	D	D	D	D
31491101	Bags, textile (burlap, cotton, polypropylene, etc.)	X	2 253	X	D
001900A3	Bags; plastics, foil, and coated paper	X	D	X	D
32222401	Bags; uncoated paper and multiwall	X	28 373	X	23 953
001900A1	Packaging paper and plastics film, coated and laminated	X	D	X	4 208
00970099	All other materials and components, parts, containers, and supplies	X	481 121	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	14 656	X	D
	311222, SOYBEAN PROCESSING				
11111000	Soybean seeds, nuts, and beans 1,000 s tons..	36 797.5	9 380 234	N	N
31122201	Crude soybean oil mil lb..	1 443.7	339 041	N	N
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies	X	16 107	X	N
00970099	All other materials and components, parts, containers, and supplies	X	875 330	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	652 135	X	N
	311223, OTHER OILSEED PROCESSING				
11192003	Cottonseed seeds, nuts, and beans 1,000 s tons..	4 232.0	580 883	N	N
31122301	Crude cottonseed oil mil lb..	D	D	N	N
31122303	Once-refined cottonseed oil mil lb..	D	D	N	N
11119907	Flaxseed seeds, nuts, and beans 1,000 s tons..	D	D	N	N
11119909	Sunflower seeds, nuts, and beans 1,000 s tons..	D	D	N	N
11199201	Peanut seeds, nuts, and beans 1,000 s tons..	D	D	N	N
11100007	Other seeds, nuts, and beans (excluding cottonseed, sunflower, soybean, flaxseed, and peanuts) 1,000 s tons..	D	D	N	N
00970099	All other materials and components, parts, containers, and supplies	X	189 974	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	57 794	X	N
	311225, FATS & OILS REFINING & BLENDING				
31161115	Lard mil lb..	191.2	48 020	N	N
31161105	Tallow and stearin, edible mil lb..	154.6	35 472	N	N
31122301	Crude cottonseed oil mil lb..	164.9	49 865	N	N
31122303	Once-refined cottonseed oil mil lb..	163.3	43 733	N	N
31122001	Fully-refined cottonseed oil mil lb..	117.8	31 948	N	N
31122201	Crude soybean oil mil lb..	7 411.2	1 766 045	N	N
31122203	Once-refined soybean oil mil lb..	D	D	N	N
31122003	Fully-refined soybean oil mil lb..	P3 165.9	824 123	N	N
31122123	Crude corn oil mil lb..	203.4	54 045	N	N
31122125	Once-refined corn oil mil lb..	49.9	14 211	N	N
31122127	Fully-refined corn oil mil lb..	169.0	51 957	N	N
31122309	Other crude oil mil lb..	q1 160.9	280 519	N	N
31122311	Other once-refined oil mil lb..	210.6	75 170	N	N
31122005	Other fully-refined oil mil lb..	q245.5	87 675	N	N
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies	X	113 654	X	N
32610029	Plastics containers	X	282 188	X	N
32721301	Glass containers	X	D	X	N
33240000	Metal containers	X	13 224	X	N
00970099	All other materials and components, parts, containers, and supplies	X	1 259 628	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	254 598	X	N
	311230, BREAKFAST CEREAL MFG				
11114003	Wheatmil bushels..	q10.9	72 079	N	N
11119913	Oatsmil bushels..	S	103 950	N	N
11115003	Cornmil bushels..	D	D	N	N
11119911	Barleymil bushels..	S	9 606	N	N
11116000	Rice, rough mil lb..	321.5	60 911	N	N
11110003	Other grains mil bushels..	S	6 291	N	N
31121119	Corn grits mil lb..	419.5	47 170	N	N
31121121	Corn meal and flakes mil lb..	S	58 408	N	N
31121101	Wheat flour mil lb..	S	38 350	N	N
31121133	Flour, other than wheat mil lb..	P723.1	100 307	N	N
31121131	Prepared four mixes mil lb..	D	D	N	N
31131005	White sugar, cane and beet, in terms of sugar solids 1,000 s tons..	608.9	339 926	N	N
31131009	Brown sugar, cane and beet, in terms of sugar solids 1,000 s tons..	q5.3	19 516	N	N
31100015	Fats and oils mil lb..	87.4	38 940	N	N
31142307	Raisins 1,000 cwt..	S	69 555	N	N
31142313	Dried fruits except raisins 1,000 cwt..	S	23 401	N	N
31191103	Nut meats, dried or dehydrated 1,000 cwt..	31.0	11 389	N	N
11100031	Nuts and nut meats, raw 1,000 cwt..	S	40 234	N	N
001900A1	Packaging paper and plastics film, coated and laminated	X	152 376	X	N
001900A3	Bags; plastics, foil, and coated paper	X	74 363	X	N
32222401	Bags; uncoated paper and multiwall	X	D	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	484 114	X	N
00970099	All other materials and components, parts, containers, and supplies	X	455 361	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	47 954	X	N
	311311, SUGARCANE MILLS				
11193000	Sugar cane 1,000 s tons..	24 105.3	673 500	23 984.2	771 726
00970099	All other materials and components, parts, containers, and supplies	X	115 633	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	41 374	X	D

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		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	311312, CANE SUGAR REFINING				
31131100	Raw cane sugar (converted to 96 percent basis)	5 972.2	2 398 421	P4 664.3	1 869 940
32221001	Paperboard containers, boxes, and corrugated paperboard	X	D	X	D
001900A1	Packaging paper and plastics film, coated and laminated	X	69 230	X	32 122
001900A3	Bags; plastics, foil, and coated paper	X	D	X	D
32222401	Bags; uncoated paper and multiwall	X	D	X	D
00970099	All other materials and components, parts, containers, and supplies	X	57 233	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	2 488	X	D
	311313, BEET SUGAR MFG				
11199100	Sugar beets	S	1 312 943	27 617.7	1 188 071
32221001	Paperboard containers, boxes, and corrugated paperboard	X	7 184	X	7 560
001900A1	Packaging paper and plastics film, coated and laminated	X	7 911	X	7 222
001900A3	Bags; plastics, foil, and coated paper	X	3 465	X	D
32222401	Bags; uncoated paper and multiwall	X	10 615	X	D
00970099	All other materials and components, parts, containers, and supplies	X	219 843	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	—	X	N
	311320, CHOCOLATE & CONFECTIONERY MFG FROM CACAO BEANS				
31122117	Crystalline fructose (dry fructose) mil lb.	.7	348	N	N
11100003	Nuts, in shell (including peanuts) mil lb.	D	D	D	D
31191101	Nutmeats, including peanuts, processed mil lb.	D	D	P5.2	6 083
11100029	Nutmeats, raw mil lb.	P6.4	7 825	D	D
31150000	Milk and milk products mil lb.	X	118 225	X	172 389
31122103	High fructose corn syrup (HFCS)(in terms of solids) mil lb.	D	D	66.2	8 247
31122119	Dextrose and corn syrup, including corn syrup solids (in terms of dry weight) mil lb.	105.7	13 750	75.1	9 255
32510053	Sugar substitutes (mannitol, sorbitol, etc.)	D	D	S	1 152
31131003	Sugar, cane and beet (in terms of sugar solids)	474.1	193 072	537.2	212 834
31100021	Fats and oils, including shortening mil lb.	986.9	43 972	87.2	39 007
31132003	Chocolate coatings 1,000 s tons	199.9	193 009	29.1	29 395
31132005	Unsweetened chocolate (chocolate liquor) 1,000 s tons	33.8	61 148	68.8	75 763
11130007	Cocoa beans 1,000 s tons	408.7	410 602	310.2	368 416
31132007	Cocoa, pressed cake and powder 1,000 s tons	48.2	33 854	65.7	48 271
31132009	Cocoa butter mil lb.	P146.5	265 459	111.3	168 421
32510063	Essential oils and flavors, synthetic	X	14 849	X	15 806
001900A1	Packaging paper and plastics film, coated and laminated	X	69 787	X	57 142
33299901	Aluminum foil packaging products, converted or rolls and sheets	X	16 784	X	D
32221001	Paperboard containers, boxes, and corrugated paperboard	X	68 586	X	42 133
32610029	Plastics containers	X	D	X	20 292
32721301	Glass containers	X	D	X	D
33243101	Metal cans, can lids and ends	X	1 611	X	16 421
00970099	All other materials and components, parts, containers, and supplies	X	83 561	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	88 775	X	D
	311330, CONFECTIONERY MFG FROM PURCHASED CHOCOLATE				
11100003	Nuts, in shell (including peanuts) mil lb.	D	D	N	N
31191101	Nutmeats, including peanuts, processed mil lb.	158.3	165 851	N	N
11100029	Nutmeats, raw mil lb.	42.1	40 436	N	N
00190045	Fresh and dried fruits mil lb.	8.9	12 116	N	N
31150000	Milk and milk products mil lb.	X	293 549	X	N
31122103	High fructose corn syrup (HFCS)(in terms of solids) mil lb.	41.1	6 781	N	N
31122117	Crystalline fructose (dry fructose) mil lb.	1.1	474	N	N
31122119	Dextrose and corn syrup, including corn syrup solids (in terms of dry weight) mil lb.	402.0	53 949	N	N
32510053	Sugar substitutes (mannitol, sorbitol, etc.)	1.6	1 455	N	N
31131003	Sugar, cane and beet (in terms of sugar solids)	739.5	318 574	N	N
31100021	Fats and oils, including shortening mil lb.	59.5	32 171	N	N
31132003	Chocolate coatings 1,000 s tons	277.6	335 550	N	N
31132005	Unsweetened chocolate (chocolate liquor) 1,000 s tons	88.6	138 566	N	N
11130007	Cocoa beans 1,000 s tons	D	D	N	N
31132007	Cocoa, pressed cake and powder 1,000 s tons	920.1	14 845	N	N
31132009	Cocoa butter mil lb.	D	D	N	N
31134003	Chewing gum base including chicle	X	—	X	N
32510063	Essential oils and flavors, synthetic	X	19 754	X	N
001900A1	Packaging paper and plastics film, coated and laminated	X	315 796	X	N
33299901	Aluminum foil packaging products, converted or rolls and sheets	X	23 826	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	191 175	X	N
32610029	Plastics containers	X	18 481	X	N
32721301	Glass containers	X	530	X	N
33243101	Metal cans, can lids and ends	X	9 281	X	N
00970099	All other materials and components, parts, containers, and supplies	X	217 329	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	298 479	X	N
	311340, NONCHOCOLATE CONFECTIONERY MFG				
11100003	Nuts, in shell (including peanuts) mil.	P.7	890	N	N
31191101	Nutmeats, including peanuts, processed mil lb.	19.6	21 259	N	N
11100029	Nutmeats, raw mil.	13.7	14 527	N	N
00190045	Fresh and dried fruits mil lb.	P19.2	19 627	N	N
31150000	Milk and milk products mil lb.	X	32 894	X	N
31122103	High fructose corn syrup (HFCS)(in terms of solids) mil lb.	P171.7	19 480	N	N
31122117	Crystalline fructose (dry fructose) mil lb.	S	1 237	N	N
31122119	Dextrose and corn syrup, including corn syrup solids (in terms of dry weight) mil lb.	915.5	117 668	N	N
32510053	Sugar substitutes (mannitol, sorbitol, etc.)	39.5	63 597	N	N
31131003	Sugar, cane and beet (in terms of sugar solids)	676.3	287 175	N	N
31100021	Fats and oils, including shortening mil lb.	42.8	21 237	N	N
31132005	Unsweetened chocolate (chocolate liquor) 1,000 s tons	3.6	7 382	N	N
31132007	Cocoa, pressed cake and powder 1,000 s tons	2.8	2 855	N	N
31132009	Cocoa butter mil lb.	D	D	N	N
31134003	Chewing gum base including chicle	X	D	X	N
32510063	Essential oils and flavors, synthetic	X	110 673	X	N
001900A1	Packaging paper and plastics film, coated and laminated	X	196 083	X	N
33299901	Aluminum foil packaging products, converted or rolls and sheets	X	30 492	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	150 897	X	N

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		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
311340, NONCHOCOLATE CONFECTIONERY MFG—Con.					
32610029	Plastics containers	X	24 924	X	N
32721301	Glass containers	X	9 789	X	N
33243101	Metal cans, can lids and ends	X	5 303	X	N
11115007	Popcorn, whole grain	—	—	N	N
31100019	Fats and oils, all types (purchased as such)	—	—	N	N
001900A3	Bags; plastics, foil, and coated paper	X	D	X	N
32222401	Bags; uncoated paper and multiwall	X	—	X	N
00970099	All other materials and components, parts, containers, and supplies	X	397 754	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	153 399	X	N
311411, FROZEN FRUIT, JUICE, & VEGETABLE MFG					
32222401	Bags; uncoated paper and multiwall	X	3 055	X	N
11131000	Fresh oranges	P3 215.2	616 193	Q3 051.2	643 106
11133100	Fresh apples	270.8	63 619	279.9	65 579
11133300	Fresh strawberries	P152.4	97 177	117.1	80 135
11130005	Other fresh fruits	723.0	199 237	863.6	233 706
11121901	Fresh green peas	P166.5	40 750	188.5	47 622
11121100	White potatoes	5 793.5	597 673	6 631.9	646 272
11121905	Fresh sweet corn	1 027.3	76 985	896.9	62 831
11121903	Fresh green (snap) or wax beans	234.8	53 660	188.6	43 005
11100013	Other fresh vegetables	2 229.8	584 537	Q1 106.5	293 485
31141101	Frozen fruits (for further processing)	282.0	261 641	190.9	164 109
31141103	Frozen vegetables (for further processing)	626.9	267 862	Q491.3	194 465
31151303	Cheese, natural and process, including (imitation cheese and cheese substitutes)	25.2	39 420	17.3	26 111
31131003	Sugar, cane and beet (in terms of sugar solids)	55.0	27 349	63.2	30 485
31121101	Wheat flour	268.5	6 272	S	9 581
31100019	Fats and oils, all types (purchased as such)	582.6	173 611	P418.2	115 597
31142105	Tomato paste (24 percent NTSS equivalent)	D	D	.8	274
00190032	Poultry; live, fresh, frozen, or prepared	D	D	2.4	2 994
31161000	Meat; fresh, frozen, or prepared	D	D	2.6	3 045
33299901	Aluminum foil packaging products, converted or rolls and sheets	X	—	X	7 502
001900A1	Packaging paper and plastics film, coated and laminated	X	110 869	X	71 893
001900A3	Bags; plastics, foil, and coated paper	X	27 357	X	19 589
32221001	Paperboard containers, boxes, and corrugated paperboard	X	324 831	X	264 773
33243101	Metal cans, can lids and ends	X	66 417	X	105 203
00970099	All other materials and components, parts, containers, and supplies	X	505 564	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	282 200	X	D
311412, FROZEN SPECIALTY FOOD MFG					
32222401	Bags; uncoated paper and multiwall	X	17 412	X	N
11131000	Fresh oranges	—	—	D	D
11133100	Fresh apples	D	D	D	D
11133300	Fresh strawberries	—	—	N	N
11130005	Other fresh fruits	D	D	D	D
11121901	Fresh green peas	D	D	D	D
11121100	White potatoes	29.1	13 161	42.3	13 434
11121905	Fresh sweet corn	D	D	D	D
11121903	Fresh green (snap) or wax beans	—	—	N	N
11100013	Other fresh vegetables	869.3	235 363	1 081.5	237 748
31141101	Frozen fruits (for further processing)	35.3	29 343	36.0	23 511
31141103	Frozen vegetables (for further processing)	427.4	194 630	402.1	171 184
31151303	Cheese, natural and process, including (imitation cheese and cheese substitutes)	523.2	652 055	349.1	417 449
31131003	Sugar, cane and beet (in terms of sugar solids)	P48.5	25 483	32.5	18 927
31121101	Wheat flour	10 475.3	190 979	10 218.6	138 189
31100019	Fats and oils, all types (purchased as such)	284.1	106 261	259.0	76 734
31142105	Tomato paste (24 percent NTSS equivalent)	278.3	102 400	176.2	67 344
00190032	Poultry; live, fresh, frozen, or prepared	S	345 246	505.9	367 936
31161000	Meat; fresh, frozen, or prepared	637.1	651 146	438.3	527 231
33299901	Aluminum foil packaging products, converted or rolls and sheets	X	23 931	X	13 643
001900A1	Packaging paper and plastics film, coated and laminated	X	199 393	X	83 866
001900A3	Bags; plastics, foil, and coated paper	X	39 986	X	34 220
32221001	Paperboard containers, boxes, and corrugated paperboard	X	397 876	X	375 677
33243101	Metal cans, can lids and ends	X	6 271	X	9 094
00970099	All other materials and components, parts, containers, and supplies	X	919 387	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	232 488	X	D
311421, FRUIT & VEGETABLE CANNING					
11131000	Fresh oranges	3 270.5	603 735	1 635.0	282 658
11133100	Fresh apples	P1 513.4	249 173	1 194.8	176 452
11133901	Fresh apricots	479.3	25 516	46.5	12 685
11133200	Fresh grapes	375.6	81 232	511.1	93 705
11133903	Fresh peaches	599.9	143 777	559.9	132 101
11133905	Fresh pears	466.4	102 158	428.2	95 660
11133907	Fresh pineapples	D	D	351.0	57 560
11132000	Fresh grapefruit	343.1	61 220	D	D
11130003	Other fresh fruits	391.2	220 120	385.7	186 868
11121901	Fresh green peas	237.7	61 498	303.4	79 887
11121100	White potatoes	163.3	19 293	118.7	14 689
11100001	Other fresh vegetables	P656.6	136 964	N	N
11121907	Fresh tomatoes	11 055.9	653 265	8 220.2	520 022
11121905	Fresh sweet corn	1 917.1	134 632	1 864.7	142 954
11121903	Fresh green (snap) or wax beans	P564.0	94 528	528.3	86 729
31131003	Sugar, cane and beet (in terms of sugar solids)	P166.8	75 734	N	N
31122103	High fructose corn syrup (HFCS)(in terms of solids)	890.1	125 530	870.7	119 550
31122117	Crystalline fructose (dry fructose)	83.7	12 370	77.5	11 750
31122119	Dextrose and corn syrup, including corn syrup solids (in terms of dry weight)	595.5	72 283	651.5	71 174
31161003	Fresh, frozen, and prepared meats	S	33 858	1 157.3	33 658

Table 1. Materials Consumed by Kind by Industry: 1997 and 1992—Con.

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	311421, FRUIT & VEGETABLE CANNING—Con.				
31161500	Dressed poultry purchased for processing (cooking, smoking, canning, raw-boning, freezing, dehydrating) mil lb.	D	D	D	D
31142311	Dried fruits and beans 1,000 s tons.	28.0	23 133	N	N
31142103	Concentrated fruit juices mil gal.	129.2	604 316	P140.6	635 126
31141105	Frozen fruits and vegetables (for further processing) mil lb.	677.1	381 832	N	N
31142105	Tomato paste (24 percent NTSS equivalent) mil lb.	654.5	221 026	567.6	229 154
31121101	Wheat flour 1,000 cwt.	968.2	1 512	D	D
31100019	Fats and oils, all types (purchased as such) mil lb.	128.1	38 794	N	N
32310000	Printed labels X	X	106 400	X	87 697
00190003	Flexible packaging materials X	X	217 857	X	99 191
32221001	Paperboard containers, boxes, and corrugated paperboard X	X	329 451	X	N
33243101	Metal cans, can lids and ends X	X	1 179 260	X	1 221 148
32721301	Glass containers X	X	556 879	X	N
11121909	Cucumbers 1,000 s tons.	751.6	223 078	N	N
001900A3	Bags; plastics, foil, and coated paper X	X	11 604	X	N
00970099	All other materials and components, parts, containers, and supplies X	X	1 152 987	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k. X	X	393 122	X	N
	311422, SPECIALTY CANNING				
11131000	Fresh oranges 1,000 s tons.	—	—	N	N
11133100	Fresh apples 1,000 s tons.	83.6	15 095	N	N
11133901	Fresh apricots 1,000 s tons.	—	—	N	N
11133200	Fresh grapes 1,000 s tons.	—	—	N	N
11133903	Fresh peaches 1,000 s tons.	D	D	N	N
11133905	Fresh pears 1,000 s tons.	13.7	3 148	N	N
11133907	Fresh pineapples 1,000 s tons.	—	—	N	N
11132000	Fresh grapefruit 1,000 s tons.	—	—	N	N
11130003	Other fresh fruits 1,000 s tons.	D	D	N	N
11121901	Fresh green peas 1,000 s tons.	11.9	5 075	N	N
11121100	White potatoes 1,000 s tons.	115.9	17 130	N	N
11100001	Other fresh vegetables 1,000 s tons.	366.1	119 087	N	N
11121907	Fresh tomatoes 1,000 s tons.	119.0	25 098	N	N
11121905	Fresh sweet corn 1,000 s tons.	D	D	N	N
11121903	Fresh green (snap) or wax beans 1,000 s tons.	38.3	8 535	N	N
31131003	Sugar, cane and beet (in terms of sugar solids) P31.9	17 344	N	N	N
31122103	High fructose corn syrup (HFCS)(in terms of solids) mil lb.	115.0	14 814	N	N
31122117	Crystalline fructose (dry fructose) mil lb.	D	D	N	N
31122119	Dextrose and corn syrup, including corn syrup solids (in terms of dry weight) mil lb.	90.2	15 048	N	N
31161003	Fresh, frozen, and prepared meats mil lb.	153.2	185 912	N	N
31161500	Dressed poultry purchased for processing (cooking, smoking, canning, raw-boning, freezing, dehydrating) mil lb.	84.2	128 002	N	N
31142311	Dried fruits and beans 1,000 s tons.	212.0	119 881	N	N
31142103	Concentrated fruit juices mil gal.	D	D	N	N
31141105	Frozen fruits and vegetables (for further processing) mil lb.	167.6	68 729	N	N
31142105	Tomato paste (24 percent NTSS equivalent) mil lb.	338.7	139 781	N	N
31121101	Wheat flour 1,000 cwt.	3 617.8	25 881	N	N
31100019	Fats and oils, all types (purchased as such) mil lb.	102.4	35 014	N	N
32310000	Printed labels X	X	65 827	X	N
00190003	Flexible packaging materials X	X	41 000	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard X	X	114 759	X	N
33243101	Metal cans, can lids and ends X	X	571 261	X	N
32721301	Glass containers X	X	175 658	X	N
00970099	All other materials and components, parts, containers, and supplies X	X	496 435	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k. X	X	134 496	X	N
	311423, DRIED & DEHYDRATED FOOD MFG				
31121113	Other wheat flour (including farina) 1,000 cwt.	1 317.0	20 934	N	N
31121107	Semolina and durum wheat flour 1,000 cwt.	D	D	N	N
32721301	Glass containers X	X	D	X	N
31100019	Fats and oils, all types (purchased as such) mil lb.	108.4	26 962	N	N
11121909	Cucumbers 1,000 s tons.	D	D	N	N
11100011	Other fresh vegetables 1,000 s tons.	8 195.6	303 143	N	N
11130001	Fresh fruits 1,000 s tons.	247.5	54 406	N	N
31142301	Dried fruits 1,000 s tons.	337.1	349 377	N	N
31122101	Corn syrup mil lb.	D	D	N	N
31131003	Sugar, cane and beet (in terms of sugar solids) 1,000 s tons.	14.5	7 301	N	N
001900A1	Packaging paper and plastics film, coated and laminated X	X	81 822	X	N
001900A3	Bags; plastics, foil, and coated paper X	X	25 215	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard X	X	64 905	X	N
00970099	All other materials and components, parts, containers, and supplies X	X	444 107	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k. X	X	74 883	X	N
	311511, FLUID MILK MFG				
11212000	Whole milk mil cwt.	P622.1	8 790 146	631.6	9 263 061
31151101	Fluid skim milk mil cwt.	52.4	642 487	P14.4	220 159
31151103	Cream mil cwt.	96.4	390 102	4.7	265 794
31151200	Butter mil lb.	S	10 302	S	24 580
31151401	Condensed and evaporated milk mil lb.	9177.6	90 553	215.4	80 873
31151407	Dry milk mil lb.	P149.3	153 852	9143.2	115 812
31151301	Natural cheese, other than cottage cheese mil lb.	5.9	8 661	P10.1	11 480
31152001	Ice cream mix (excluding lowfat and nonfat) mil gal.	P16.2	40 123	P20.0	46 358
31152003	Sherbet mix mil gal.	7	1 035	3.5	5 468
31152005	Ice cream mix, lowfat mil gal.	11.4	21 836	P5.5	10 796
31152007	Yogurt mix mil gal.	S	10 930	P2.1	5 347
31100019	Fats and oils, all types (purchased as such) mil lb.	960.4	20 024	P70.1	25 057
31122103	High fructose corn syrup (HFCS)(in terms of solids) mil lb.	P908.1	103 406	P737.6	88 061
31122117	Crystalline fructose (dry fructose) mil lb.	17.0	4 073	P18.7	3 216
31122119	Dextrose and corn syrup, including corn syrup solids (in terms of dry weight) mil lb.	P136.0	23 785	P153.7	21 275
31131003	Sugar, cane and beet (in terms of sugar solids) 1,000 s tons.	9194.9	73 916	185.7	68 479
31151403	Whey, liquid, concentrated, dried; and modified whey products mil lb.	P244.0	64 544	9105.2	39 982
00190035	Casein and caseinates mil lb.	S	D	S	7 189
31132001	Chocolate (compounds, cocoa, chocolate liquor, coatings, chocolate flavoring, etc.) mil lb.	961.8	54 636	P73.1	54 971
00190036	Flavorings (natural, imitation, etc.), except chocolate X	X	334 655	X	272 849

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
311511, FLUID MILK MFG—Con.					
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc. mil lb..	P466.4	195 813	P514.3	176 804
001900A1	Packaging paper and plastics film, coated and laminated.	X	247 045	X	139 881
001900A3	Bags; plastics, foil, and coated paper	X	24 757	X	23 247
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	49 192	X	27 021
32721301	Glass containers	X	2 974	X	4 146
32610029	Plastics containers	X	393 716	X	337 320
32221001	Paperboard containers, boxes, and corrugated paperboard	X	495 779	X	504 283
33243101	Metal cans, can lids and ends	X	17 761	X	22 221
31152009	Ice cream mix, nonfat mil gal..	D	D	N	N
00970099	All other materials and components, parts, containers, and supplies	X	762 897	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	656 052	X	D
311512, CREAMERY BUTTER MFG					
11212000	Whole milk mil cwt..	S	207 621	7.3	87 885
31151103	Cream mil cwt..	S	630 598	S	571 824
31151200	Butter mil lb..	Q110.2	127 855	56.9	45 052
31151401	Condensed and evaporated milk mil lb..	D	D	S	1 416
001900A1	Packaging paper and plastics film, coated and laminated.	X	16 689	X	6 229
32610029	Plastics containers	X	D	X	5 015
32221001	Paperboard containers, boxes, and corrugated paperboard	X	17 150	X	13 029
00970099	All other materials and components, parts, containers, and supplies	X	71 578	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	6 379	X	5 372
311513, CHEESE MFG					
11212000	Whole milk mil cwt..	Q599.5	8 200 658	P505.9	6 489 880
31151101	Fluid skim milk mil cwt..	S	79 656	2.1	38 739
31151103	Cream mil cwt..	Q12.7	352 642	S	89 517
31151200	Butter mil lb..	S	43 506	7.3	8 071
31151401	Condensed and evaporated milk mil lb..	S	62 619	P141.6	75 231
31151407	Dry milk mil lb..	289.7	334 242	121.8	112 148
31151301	Natural cheese, other than cottage cheese mil lb..	P2 698.0	3 862 226	2 347.9	3 080 411
31100019	Fats and oils, all types (purchased as such) mil lb..	S	84 931	61.7	30 099
31122103	High fructose corn syrup (HFCS)(in terms of solids) mil lb..	24.3	3 646	D	D
31122117	Crystalline fructose (dry fructose) mil lb..	D	D	D	D
31122119	Dextrose and corn syrup, including corn syrup solids (in terms of dry weight) mil lb..	P4.9	1 233	D	D
31131003	Sugar, cane and beet (in terms of sugar solids) 1,000 s tons..	15.6	4 707	Q10.5	3 776
31151403	Whey, liquid, concentrated, dried; and modified whey products mil lb..	Q579.6	148 594	P387.1	80 470
00190035	Casein and caseinates mil lb..	P59.5	136 576	59.1	118 468
31132001	Chocolate (compounds, cocoa, chocolate liquor, coatings, chocolate flavoring, etc.) mil lb..	D	D	1.6	1 156
00190036	Flavorings (natural, imitation, etc.), except chocolate	X	142 866	X	82 262
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc. mil lb..	D	D	1.3	430
001900A1	Packaging paper and plastics film, coated and laminated.	X	178 023	X	115 858
001900A3	Bags; plastics, foil, and coated paper	X	95 167	X	37 722
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	19 771	X	17 227
32721301	Glass containers	X	19 642	X	D
32610029	Plastics containers	X	71 701	X	26 965
32221001	Paperboard containers, boxes, and corrugated paperboard	X	207 287	X	138 884
33243101	Metal cans, can lids and ends	X	31 825	X	42 114
00970099	All other materials and components, parts, containers, and supplies	X	581 829	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	287 056	X	861 372
311514, DRY, CONDENSED, & EVAPORATED DAIRY PRODUCT MFG					
11212000	Whole milk mil cwt..	148.2	1 982 391	129.2	1 559 042
31151101	Fluid skim milk mil cwt..	S	17 992	S	85 846
31151103	Cream mil cwt..	Q3.0	141 379	2.6	115 995
31151200	Butter mil lb..	S	98 523	D	D
31151401	Condensed and evaporated milk mil lb..	P220.0	144 889	P313.3	125 833
31151407	Dry milk mil lb..	324.5	278 401	283.7	236 419
31151301	Natural cheese, other than cottage cheese mil lb..	221.6	107 353	P79.6	46 144
31100019	Fats and oils, all types (purchased as such) mil lb..	Q243.5	90 857	P235.4	78 472
31122103	High fructose corn syrup (HFCS)(in terms of solids) mil lb..	Q309.8	43 822	Q113.4	13 828
31122117	Crystalline fructose (dry fructose) mil lb..	P29.0	8 069	6.6	1 646
31122119	Dextrose and corn syrup, including corn syrup solids (in terms of dry weight) mil lb..	P268.2	43 011	208.6	31 277
31131003	Sugar, cane and beet (in terms of sugar solids) 1,000 s tons..	179.9	89 660	153.4	71 392
31151403	Whey, liquid, concentrated, dried; and modified whey products mil lb..	1 404.0	113 898	P1 095.5	133 737
00190035	Casein and caseinates mil lb..	P125.1	244 355	95.9	150 440
31132001	Chocolate (compounds, cocoa, chocolate liquor, coatings, chocolate flavoring, etc.) mil lb..	24.6	16 500	26.9	17 355
00190036	Flavorings (natural, imitation, etc.), except chocolate	X	57 953	X	54 970
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc. mil lb..	Q14.0	7 189	D	D
001900A1	Packaging paper and plastics film, coated and laminated.	X	58 473	X	30 131
001900A3	Bags; plastics, foil, and coated paper	X	36 090	X	24 641
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	18 511	X	11 599
32721301	Glass containers	X	24 675	X	23 293
32610029	Plastics containers	X	41 396	X	30 025
32221001	Paperboard containers, boxes, and corrugated paperboard	X	90 163	X	87 832
33243101	Metal cans, can lids and ends	X	172 190	X	X
00970099	All other materials and components, parts, containers, and supplies	X	676 088	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	158 646	X	D

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[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS material code	Industry and materials consumed	1997		1992		
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)	
311520, ICE CREAM & FROZEN DESSERT MFG						
11212000	Whole milk	mil cwt..	917.6	248 770	P22.1	294 985
31151101	Fluid skim milk	mil cwt..	S	61 389	S	59 817
31151103	Cream	mil cwt..	99.4	434 730	5.3	321 135
31151200	Butter	mil lb..	S	7 924	1.9	1 718
31151401	Condensed and evaporated milk	mil lb..	174.1	132 673	261.8	123 863
31151407	Dry milk	mil lb..	S	64 246	85.4	57 676
31152001	Ice cream mix (excluding lowfat and nonfat)	mil gal..	937.8	107 222	47.5	123 592
31152003	Sherbet mix	mil gal..	S	18 758	3.9	8 139
31152005	Ice cream mix, lowfat	mil gal..	S	7 486	5.1	13 931
31152007	Yogurt mix	mil gal..	S	13 182	P4.1	9 176
31100019	Fats and oils, all types (purchased as such)	mil lb..	D	D	6.3	3 207
31122103	High fructose corn syrup (HFCS)(in terms of solids)	mil lb..	295.6	37 547	P284.4	46 174
31122117	Crystalline fructose (dry fructose)	mil lb..	D	D	1.9	251
31122119	Dextrose and corn syrup, including corn syrup solids (in terms of dry weight)	mil lb..	330.9	47 182	P269.1	32 842
31131003	Sugar, cane and beet (in terms of sugar solids)	1,000 s tons..	P248.5	113 403	236.5	91 964
31151403	Whey, liquid, concentrated, dried; and modified whey products	mil lb..	S	13 675	971.0	20 365
00190035	Casein and caseinates	mil lb..	S	1 943	.8	817
31132001	Chocolate (compounds, cocoa, chocolate liquor, coatings, chocolate flavoring, etc.)	mil lb..	P120.3	101 650	108.0	95 138
00190036	Flavorings (natural, imitation, etc.), except chocolate		X	268 908	X	284 629
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	mil lb..	76.6	24 773	P62.6	16 146
001900A1	Packaging paper and plastics film, coated and laminated.		X	153 920	X	69 943
001900A3	Bags; plastics, foil, and coated paper		X	12 767	X	30 306
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes		X	4 454	X	6 589
32610029	Plastics containers		X	33 493	X	32 271
32221001	Paperboard containers, boxes, and corrugated paperboard		X	342 526	X	338 507
31152009	Ice cream mix, nonfat	mil gal..	1.8	4 994	N	N
00970099	All other materials and components, parts, containers, and supplies		X	267 707	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.		X	284 564	X	222 700
311611, ANIMAL (EXCEPT POULTRY) SLAUGHTERING						
11211003	Cattle slaughtered (number of head)	1,000..	30 290.5	22 722 567	31 068.3	25 650 825
11211001	Cattle slaughtered (live weight)	mil lb..	60 963.5	S	35 747.9	X
11211007	Calves slaughtered (number of head)	1,000..	900.3	360 461	578.1	243 797
11211005	Calves slaughtered (live weight)	mil lb..	287.3	X	174.5	X
11221003	Hogs slaughtered (number of head)	1,000..	978 804.5	10 557 429	86 308.4	9 676 967
11221001	Hogs slaughtered (live weight)	mil lb..	D	D	21 511.9	X
11241005	Sheep and lambs slaughtered (number of head)	1,000..	1 504.1	182 409	3 568.5	288 796
11241003	Sheep and lambs slaughtered (live weight)	mil lb..	D	D	9549.2	X
31161107	Fresh and frozen beef	mil lb..	1 851.1	1 524 582	585.3	481 527
31161109	Fresh and frozen veal	mil lb..	S	41 142	917.2	15 626
31161113	Fresh and frozen pork	mil lb..	9667.0	584 868	P701.7	433 381
31161111	Other fresh and frozen red meats	mil lb..	S	109 432	31.8	27 102
31161101	Meat materials for sausage and canning not separable by species	mil lb..	P86.5	42 443	42.7	17 442
31161117	Processed pork (cured, smoked, etc.)	mil lb..	S	9 701	34.0	28 926
31161103	Other purchased meat materials (cured beef, cured lamb, etc.)	mil lb..	D	D	20.9	24 791
00190032	Poultry; live, fresh, frozen, or prepared		X	D	X	57 129
31161119	Hides, skins, and pelts		X	D	X	22 991
31194201	Spices and curing materials		X	123 672	X	69 743
31161200	Animal and collagen casings		X	15 883	X	23 226
001900A1	Packaging paper and plastics film, coated and laminated.		X	784 422	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard		X	420 026	X	N
32610023	Synthetic casings, including cellulosic and fibrous reinforced		X	177 164	X	48 980
00970099	All other materials and components, parts, containers, and supplies		X	1 395 844	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.		X	2 182 914	X	N
311612, MEAT PROCESSED FROM CARCASSES						
11211001	Cattle slaughtered (live weight)	mil lb..	D	D	N	N
11211005	Calves slaughtered (live weight)	mil lb..	3 011.9	X	N	N
11211003	Cattle slaughtered (number of head)	1,000..	5.2	1 356	N	N
11241005	Sheep and lambs slaughtered (number of head)	1,000..	D	D	N	N
11241003	Sheep and lambs slaughtered (live weight)	mil lb..	180.5	X	N	N
11221003	Hogs slaughtered (number of head)	1,000..	266.7	29 536	N	N
11221001	Hogs slaughtered (live weight)	mil lb..	51 537.8	X	N	N
11211007	Calves slaughtered (number of head)	1,000..	D	D	N	N
31161107	Fresh and frozen beef	mil lb..	4 183.0	4 430 259	N	N
31161109	Fresh and frozen veal	mil lb..	929.1	54 293	N	N
31161113	Fresh and frozen pork	mil lb..	P4 433.2	3 922 321	N	N
31161111	Other fresh and frozen red meats	mil lb..	144.0	145 615	N	N
31161101	Meat materials for sausage and canning not separable by species	mil lb..	147.4	333 141	N	N
31161117	Processed pork (cured, smoked, etc.)	mil lb..	313.0	366 003	N	N
31161103	Other purchased meat materials (cured beef, cured lamb, etc.)	mil lb..	96.0	116 692	N	N
00190032	Poultry; live, fresh, frozen, or prepared		X	557 482	X	N
31194201	Spices and curing materials		X	435 159	X	N
31161119	Hides, skins, and pelts		X	D	X	N
31161200	Animal and collagen casings		X	88 157	X	N
32610023	Synthetic casings, including cellulosic and fibrous reinforced		X	201 849	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard		X	307 916	X	N
001900A1	Packaging paper and plastics film, coated and laminated.		X	349 124	X	N
00970099	All other materials and components, parts, containers, and supplies		X	514 753	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.		X	2 292 861	X	N
311613, RENDERING & MEAT BYPRODUCT PROCESSING						
31122123	Crude corn oil	mil lb..	D	D	N	N
31161115	Lard	mil lb..	D	D	N	N
31122303	Once-refined cottonseed oil	mil lb..	D	D	N	N
31122203	Once-refined soybean oil	mil lb..	D	D	N	N
31122201	Crude soybean oil	mil lb..	D	D	N	N
31122309	Other crude oil	mil lb..	D	D	N	N
31122005	Other fully-refined oil	mil lb..	D	D	N	N
31122003	Fully-refined soybean oil	mil lb..	D	D	N	N
31161105	Tallow and stearin, edible	mil lb..	D	D	N	N
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies.		X	1 397	X	N
32610029	Plastics containers		X	D	X	N

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	311613, RENDERING & MEAT BYPRODUCT PROCESSING—Con.				
33240000	Metal containers	X	1 287	X	N
00970099	All other materials and components, parts, containers, and supplies	X	761 467	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	247 013	X	N
	311615, POULTRY PROCESSING				
11232001	Young chickens slaughtered (including commercial broilers)	P27 436.0	9 035 445	N	N
11232003	Hens (or fowl) and other chickens slaughtered	Q1 394.8	188 263	N	N
11233000	Turkeys slaughtered	5 829.3	2 541 364	N	N
11239000	Other poultry and small game slaughtered (including ducks, geese, rabbits, etc.)	X	17 523	X	N
31161500	Dressed poultry purchased for processing (cooking, smoking, canning, raw-boning, freezing, dehydrating)	7 114.5	3 361 556	N	N
11231005	Shell eggs	S	12 614	N	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	493 445	X	N
001900A1	Packaging paper and plastics film, coated and laminated	X	237 995	X	N
001900A3	Bags; plastics, foil, and coated paper	X	131 639	X	N
33243101	Metal cans, can lids and ends	X	20 424	X	N
00970099	All other materials and components, parts, containers, and supplies	X	1 777 032	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	792 783	X	N
	311711, SEAFOOD CANNING				
11411101	Alaska pollack	—	—	N	N
11411103	Tuna	D	D	D	D
11411105	Salmon	75.5	108 431	P119.1	155 976
11411107	Sardines	D	D	P31.4	5 178
11411109	Ground fish (cod, cusk, haddock, hake, Atlantic Ocean perch, Atlantic pollock, and whiting)	S	3 291	8.4	4 925
11411111	Flounder	X	—	X	D
11411113	Other fin fish	X	34 822	X	43 480
11411201	Shrimp	X	30 124	X	D
11411203	Crabs	X	535	X	56
11411205	Oysters	X	D	X	D
11411207	Clams	X	43 411	X	45 387
11411209	Other shellfish	X	D	X	D
31171201	Surimi	D	D	N	N
31171203	Frozen fish blocks	D	D	3.4	23 331
31100019	Fats and oils, all types (purchased as such)	S	6 834	S	7 521
32221001	Paperboard containers, boxes, and corrugated paperboard	X	10 171	X	9 498
001900A1	Packaging paper and plastics film, coated and laminated	X	4 863	X	3 000
33243101	Metal cans, can lids and ends	X	56 324	X	54 440
00970099	All other materials and components, parts, containers, and supplies	X	29 986	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	60 908	X	N
	311712, FRESH & FROZEN SEAFOOD PROCESSING				
11411101	Alaska pollack	176.8	257 849	79.0	71 695
11411103	Tuna	9.0	33 395	P3.5	13 314
11411105	Salmon	P135.2	256 797	241.2	623 905
11411107	Sardines	D	D	D	D
11411109	Ground fish (cod, cusk, haddock, hake, Atlantic Ocean perch, Atlantic pollock, and whiting)	P220.7	238 225	223.5	280 551
11411111	Flounder	X	22 883	X	28 191
11411113	Other fin fish	X	339 837	X	377 413
11411201	Shrimp	X	586 306	X	568 950
11411203	Crabs	X	207 482	X	280 064
11411205	Oysters	X	27 849	X	34 711
11411207	Clams	X	46 618	X	32 097
11411209	Other shellfish	X	58 749	X	131 529
31171201	Surimi	Q34.9	80 114	35.1	105 820
31171203	Frozen fish blocks	P81.3	163 409	241.6	570 763
31100019	Fats and oils, all types (purchased as such)	D	D	D	D
32221001	Paperboard containers, boxes, and corrugated paperboard	X	101 167	X	91 327
001900A1	Packaging paper and plastics film, coated and laminated	X	36 834	X	30 988
33243101	Metal cans, can lids and ends	X	12 654	X	26 626
00970099	All other materials and components, parts, containers, and supplies	X	320 607	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	579 944	X	N
	311812, COMMERCIAL BAKERIES				
31121111	White bread-type wheat flour (except prepared mixes)	P9 655.9	1 271 950	N	N
31121109	Cake-type wheat flour (except prepared mixes)	548.1	77 386	N	N
31121103	Cookie and cracker-type wheat flour (except prepared mixes)	P182.2	26 232	N	N
31122121	Wheat gluten	333.9	102 791	N	N
31121105	Other wheat flour, including whole wheat, and clear flour (except prepared mixes)	P776.4	118 932	N	N
31100005	Prepared doughnut mixes, cake and yeast types	P235.7	81 866	N	N
31100007	Prepared bread mixes, including franchise mixes	P93.5	40 337	N	N
31100009	Prepared cake mixes	P65.3	24 615	N	N
31100011	Other prepared mixes, including sweetgoods	P92.9	37 444	N	N
31131001	Sugar, cane and beet (in terms of sugar solids)	608.3	239 283	N	N
31122111	Glucose syrup (corn syrup), conventional or regular (in terms of solids)	318.7	49 634	N	N
31122103	High fructose corn syrup (HFCS)(in terms of solids)	761.6	106 091	N	N
31100003	Other natural sweeteners, including dextrose, honey, molasses, blends of corn sweeteners and sugar (in terms of solids)	250.8	70 623	N	N
32510057	Artificial sweeteners (in terms of solids)	P3.8	2 015	N	N
31120011	100 percent vegetable shortening	684.2	199 446	N	N
31100023	Animal and blends of animal and vegetable shortening	69.6	22 527	N	N
31161115	Lard	P6.8	2 567	N	N
31100025	Other fats and oils (cooking oils, butter, margarine, puff paste, etc.)	269.7	108 827	N	N
31199903	Compressed yeast	331.9	99 726	N	N
31199905	Active dry yeast	Q114.0	43 220	N	N

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		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	311812, COMMERCIAL BAKERIES—Con.				
31141107	Frozen fruits	72.7	54 149	N	N
31142305	Dried fruits and nuts, including raisins	.5	104 406	N	N
31134001	Glaze, candied and crystallized fruits, fruit peel, nuts, and other vegetable substances				
31142101	Jams, jellies and preserves, including fruit butter and maraschino cherries	11.8	10 191	N	N
31199901	Liquid, dried, and frozen eggs (in terms of dry weight equivalent)	39.2	25 859	N	N
31151305	Cheese, process	89.3	77 916	N	N
31151405	Milk and milk replacers, including dry milk, dry whey, blends, soy whey, and others	34.6	26 152	N	N
31132001	Chocolate (compounds, cocoa, chocolate liquor, coatings, chocolate flavoring, etc.)	83.9	53 078	N	N
33299901	Aluminum foil packaging products, converted or rolls and sheets	100.5	51 032	N	N
001900A1	Packaging paper and plastics film, coated and laminated	X	27 679	X	N
001900A3	Bags; plastics, foil, and coated paper	X	166 102	X	N
32222401	Bags; uncoated paper and multiwall	X	275 143	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	32 293	X	N
00970099	All other materials and components, parts, containers, and supplies	X	259 414	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	875 017	X	N
			795 908	X	N
	311813, FROZEN CAKES, PIES, & OTHER PASTRIES MFG				
31121111	White bread-type wheat flour (except prepared mixes)	239.3	31 142	9187.9	20 837
31121109	Cake-type wheat flour (except prepared mixes)	105.4	16 779	979.3	8 790
31121103	Cookie and cracker-type wheat flour (except prepared mixes)	21.4	4 093	98.5	1 088
31122121	Wheat gluten	8.1	1 507	1.1	616
31121105	Other wheat flour, including whole wheat, and clear flour (except prepared mixes)				
31100005	Prepared doughnut mixes, cake and yeast types	117.2	14 030	96.1	10 193
31100007	Prepared bread mixes, including franchise mixes	54.2	23 073	37.8	11 740
31100009	Prepared cake mixes	1	84	D	D
31100011	Other prepared mixes, including sweetgoods	25.1	11 304	P11.8	5 062
31131001	Sugar, cane and beet (in terms of sugar solids)	28.2	12 205	S	4 234
		S	55 231	P77.7	46 848
31122111	Glucose syrup (corn syrup), conventional or regular (in terms of solids)	22.1	3 532	39.8	5 326
31122103	High fructose corn syrup (HFCS)(in terms of solids)	42.3	6 877	P30.1	4 124
31100003	Other natural sweeteners, including dextrose, honey, molasses, blends of corn sweeteners and sugar (in terms of solids)	44.2	9 364	12.0	3 419
32510057	Artificial sweeteners (in terms of solids)	.2	710	D	D
31120011	100 percent vegetable shortening	140.6	43 732	P102.5	35 130
31100023	Animal and blends of animal and vegetable shortening	6.4	2 382	5.2	1 563
31161115	Lard	5.4	1 804	12.0	2 670
31100025	Other fats and oils (cooking oils, butter, margarine, puff paste, etc.)	57.6	28 291	48.5	18 149
31199903	Compressed yeast	6.8	3 747	9.7	5 206
31199905	Active dry yeast	1.0	1 806	2.8	1 185
31141107	Frozen fruits	178.8	97 691	P132.4	75 692
31142305	Dried fruits and nuts, including raisins	S	28 009	P119.3	20 344
31134001	Glaze, candied and crystallized fruits, fruit peel, nuts, and other vegetable substances				
31142101	Jams, jellies and preserves, including fruit butter and maraschino cherries	D	D	D	D
31199901	Liquid, dried, and frozen eggs (in terms of dry weight equivalent)	S	4 385	7.1	4 356
31151305	Cheese, process	S	40 504	P39.9	21 973
31151405	Milk and milk replacers, including dry milk, dry whey, blends, soy whey, and others	31.8	34 768	P19.4	17 308
31132001	Chocolate (compounds, cocoa, chocolate liquor, coatings, chocolate flavoring, etc.)				
33299901	Aluminum foil packaging products, converted or rolls and sheets	106.5	20 057	910.8	10 338
001900A1	Packaging paper and plastics film, coated and laminated	X	39 045	X	34 766
001900A3	Bags; plastics, foil, and coated paper	X	32 857	X	17 134
32222401	Bags; uncoated paper and multiwall	X	10 035	X	4 219
32221001	Paperboard containers, boxes, and corrugated paperboard	X	D	X	318
00970099	All other materials and components, parts, containers, and supplies	X	115 625	X	72 766
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	214 443	X	D
			92 996	X	D
	311821, COOKIE & CRACKER MFG				
31121111	White bread-type wheat flour (except prepared mixes)	368.9	43 055	N	N
31121109	Cake-type wheat flour (except prepared mixes)	134.6	16 214	N	N
31121103	Cookie and cracker-type wheat flour (except prepared mixes)	3 014.7	334 072	N	N
31122121	Wheat gluten	1.8	1 438	N	N
31121105	Other wheat flour, including whole wheat, and clear flour (except prepared mixes)				
31100005	Prepared doughnut mixes, cake and yeast types	250.8	31 397	N	N
31100007	Prepared bread mixes, including franchise mixes	D	D	N	N
31100009	Prepared cake mixes	S	3 006	N	N
31100011	Other prepared mixes, including sweetgoods	D	D	N	N
31131001	Sugar, cane and beet (in terms of sugar solids)	S	15 487	N	N
		540.0	242 903	N	N
31122111	Glucose syrup (corn syrup), conventional or regular (in terms of solids)	9116.9	14 002	N	N
31122103	High fructose corn syrup (HFCS)(in terms of solids)	S	18 756	N	N
31100003	Other natural sweeteners, including dextrose, honey, molasses, blends of corn sweeteners and sugar (in terms of solids)	P156.4	43 018	N	N
32510057	Artificial sweeteners (in terms of solids)	S	5 611	N	N
31120011	100 percent vegetable shortening	540.4	173 729	N	N
31100023	Animal and blends of animal and vegetable shortening	S	13 783	N	N
31161115	Lard	P3.2	968	N	N
31100025	Other fats and oils (cooking oils, butter, margarine, puff paste, etc.)	P209.5	80 686	N	N
31199903	Compressed yeast	9.5	5 001	N	N
31199905	Active dry yeast	P1.9	2 848	N	N
31141107	Frozen fruits	D	D	N	N
31142305	Dried fruits and nuts, including raisins	P.5	75 594	N	N
31134001	Glaze, candied and crystallized fruits, fruit peel, nuts, and other vegetable substances				
31142101	Jams, jellies and preserves, including fruit butter and maraschino cherries	3.7	3 731	N	N
31199901	Liquid, dried, and frozen eggs (in terms of dry weight equivalent)	S	69 489	N	N
31151305	Cheese, process	913.7	17 812	N	N
31151405	Milk and milk replacers, including dry milk, dry whey, blends, soy whey, and others	45.1	81 403	N	N
31132001	Chocolate (compounds, cocoa, chocolate liquor, coatings, chocolate flavoring, etc.)	P19.7	12 368	N	N
33299901	Aluminum foil packaging products, converted or rolls and sheets	178.1	141 079	N	N
001900A1	Packaging paper and plastics film, coated and laminated	X	13 283	X	N
		X	249 111	X	N

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		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	311821, COOKIE & CRACKER MFG—Con.				
001900A3	Bags; plastics, foil, and coated paper	X	47 499	X	N
32222401	Bags; uncoated paper and multiwall	X	3 539	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	358 298	X	N
00970099	All other materials and components, parts, containers, and supplies	X	383 394	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	179 768	X	N
	311822, FLOUR MIXES & DOUGH MFG FROM PURCHASED FLOUR				
11114003	Wheat mil bushels ..	S	37 667	D	D
11119913	Oats mil bushels ..	S	57	S	459
11115003	Corn mil bushels ..	D	D	N	N
11119911	Barley mil bushels ..	D	D	N	N
11116000	Rice, rough mil lb ..	D	D	N	N
11110003	Other grains mil bushels ..	D	D	D	D
31121119	Corn grits mil lb ..	D	D	D	D
31121121	Corn meal and flakes mil lb ..	S	10 149	13.8	1 267
31121101	Wheat flour mil lb ..	19 536.7	418 843	20 397.8	465 050
31121133	Flour, other than wheat mil lb ..	P2 262.4	276 575	2 400.5	245 393
31121131	Prepared four mixes mil lb ..	S	8 748	1 400.6	11 847
31131005	White sugar, cane and beet, in terms of sugar solids 1,000 s tons ..	9479.0	269 424	263.0	130 177
31131009	Brown sugar, cane and beet, in terms of sugar solids 1,000 s tons ..	S	3 537	6.0	2 632
31100015	Fats and oils mil lb ..	372.2	146 033	315.6	103 901
31142307	Raisins 1,000 cwt ..	S	3 519	S	4 316
31142313	Dried fruits except raisins 1,000 cwt ..	S	6 953	D	D
31191103	Nut meats, dried or dehydrated 1,000 cwt ..	S	5 799	D	D
11100031	Nuts and nut meats, raw 1,000 cwt ..	927.2	8 214	14.3	2 457
001900A1	Packaging paper and plastics film, coated and laminated	X	101 625	X	43 978
001900A3	Bags; plastics, foil, and coated paper	X	19 504	X	5 875
32222401	Bags; uncoated paper and multiwall	X	14 608	X	12 515
32221001	Paperboard containers, boxes, and corrugated paperboard	X	224 944	X	179 399
00970099	All other materials and components, parts, containers, and supplies	X	453 246	X	D
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	266 160	X	D
	311823, DRY PASTA MFG				
31121107	Semolina and durum wheat flour 1,000 cwt ..	20 391.0	294 045	18 205.1	257 872
31121113	Other wheat flour (including farina) 1,000 cwt ..	9431.5	5 069	9458.1	5 161
001900A1	Packaging paper and plastics film, coated and laminated	X	43 612	X	31 384
001900A3	Bags; plastics, foil, and coated paper	X	12 391	X	2 575
32221001	Paperboard containers, boxes, and corrugated paperboard	X	62 230	X	75 927
00970099	All other materials and components, parts, containers, and supplies	X	147 406	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	90 007	X	26 369
	311830, TORTILLA MFG				
11115001	Field corn, whole grain 1,000 s tons ..	9128.6	23 712	N	N
31121127	Corn flour mil lb ..	P795.4	107 839	N	N
31121101	Wheat flour 1,000 cwt ..	P9 346.3	118 236	N	N
11100027	Spices, raw mil lb ..	1.4	357	N	N
31100019	Fats and oils, all types (purchased as such) mil lb ..	P53.8	21 036	N	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	20 659	X	N
001900A1	Packaging paper and plastics film, coated and laminated	X	14 321	X	N
001900A3	Bags; plastics, foil, and coated paper	X	34 517	X	N
32222401	Bags; uncoated paper and multiwall	X	557	X	N
00970099	All other materials and components, parts, containers, and supplies	X	31 553	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	50 340	X	N
	311911, ROASTED NUTS & PEANUT BUTTER MFG				
11100003	Nuts, in shell (including peanuts) mil lb ..	P842.2	433 388	1 122.4	635 711
31191101	Nutmeats, including peanuts, processed mil lb ..	273.8	275 548	150.9	125 696
11100029	Nutmeats, raw mil lb ..	1 135.6	1 032 293	N	N
00190045	Fresh and dried fruits mil lb ..	9.0	8 637	P13.6	13 067
31131003	Sugar, cane and beet (in terms of sugar solids) 1,000 s tons ..	26.6	12 164	N	N
31100021	Fats and oils, including shortening 1,000 s tons ..	P26.0	20 443	46.4	16 812
001900A1	Packaging paper and plastics film, coated and laminated	X	42 549	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	55 146	X	N
32721301	Glass containers mil lb ..	X	14 147	X	N
33243101	Metal cans, can lids and ends mil lb ..	X	26 880	X	N
00970099	All other materials and components, parts, containers, and supplies	X	272 541	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	118 069	X	N
	311919, OTHER SNACK FOOD MFG				
11199203	Shelled peanuts mil lb ..	P3.5	2 625	29.3	9 956
11115001	Field corn, whole grain 1,000 s tons ..	669.0	107 648	529.6	85 888
11121100	White potatoes 1,000 s tons ..	3 979.8	726 912	4 366.0	658 505
11115007	Popcorn, whole grain mil lb ..	83.1	16 303	135.1	17 143
31121117	Corn grits, meal, and flakes 1,000 cwt ..	D	D	D	D
31121127	Corn flour mil lb ..	D	D	720.2	125 728
31121101	Wheat flour 1,000 cwt ..	P4 287.0	45 185	N	N
11100027	Spices, raw mil lb ..	P12.5	15 126	P14.3	12 918
31122101	Corn syrup mil lb ..	10.2	1 342	D	D
31131003	Sugar, cane and beet (in terms of sugar solids) 1,000 s tons ..	7.7	4 641	3.0	1 697
31100019	Fats and oils, all types (purchased as such) mil lb ..	1 275.2	384 786	N	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	175 572	X	N
001900A1	Packaging paper and plastics film, coated and laminated	X	421 282	X	N
001900A3	Bags; plastics, foil, and coated paper	X	50 589	X	N
32222401	Bags; uncoated paper and multiwall	X	12 460	X	N
33243101	Metal cans, can lids and ends mil lb ..	X	132 810	X	28 352
00970099	All other materials and components, parts, containers, and supplies	X	451 271	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	120 768	X	N
	311920, COFFEE & TEA MFG				
11130009	Green coffee 1,000 cwt ..	P21 495.5	3 156 789	N	N
11130011	Raw tea mil lb ..	969.4	71 801	N	N
001900A1	Packaging paper and plastics film, coated and laminated	X	110 234	X	N
001900A3	Bags; plastics, foil, and coated paper	X	45 516	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	116 938	X	N
32610043	Plastic containers and plastic can and jar lids	X	25 546	X	N

Table 1. **Materials Consumed by Kind by Industry: 1997 and 1992—Con.**

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	311920, COFFEE & TEA MFG—Con.				
32721301	Glass containers	X	15 050	X	N
33243101	Metal cans, can lids and ends	X	159 568	X	N
00970099	All other materials and components, parts, containers, and supplies	X	278 053	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	167 707	X	N
	311930, FLAVORING SYRUP & CONCENTRATE MFG				
31131003	Sugar, cane and beet (in terms of sugar solids) 1,000 s tons..	P40.3	24 510	N	N
31122105	Up to 50% fructose corn syrup, in terms of solids mil lb..	174.6	18 933	N	N
31122107	50% or more fructose corn syrup, in terms of solids mil lb..	D	D	N	N
31100003	Other natural sweeteners, including dextrose, honey, molasses, blends of corn sweeteners and sugar (in terms of solids) mil lb..	951.5	14 648	N	N
32510057	Artificial sweeteners (in terms of solids) mil lb..	2 410.4	151 981	N	N
31193001	Concentrated liquid beverage bases (finished drink basis), with some juice content mil cases, 192 oz case equiv..	P4.6	8 592	N	N
31193003	Other concentrated liquid beverage bases (finished drink basis) mil cases, 192 oz case equiv..	S	192 784	N	N
31193005	Syrup beverage bases (finished drink basis) mil cases, 192 oz case equiv..	2.2	4 724	N	N
31142103	Concentrated fruit juices mil gal..	3.2	33 423	N	N
00190050	Plastics wrappings, trays, carriers, etc., including preforms	X	1 513	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	38 370	X	N
32610027	Plastics bottles and cans	X	15 582	X	N
32721309	Refillable glass containers with or without paperboard wrapping	X	D	X	N
32721311	Nonrefillable glass containers with or without paperboard wrapping or plastic shielding	X	7 483	X	N
33243101	Metal cans, can lids and ends	X	3 668	X	N
00970099	All other materials and components, parts, containers, and supplies	X	558 719	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	155 539	X	N
	311941, MAYONNAISE, DRESSING, & OTHER PREPARED SAUCE MFG				
11100011	Other fresh vegetables 1,000 s tons..	53.5	36 160	N	N
11130001	Fresh fruits 1,000 s tons..	D	D	N	N
31142301	Dried fruits 1,000 s tons..	D	D	N	N
31122101	Corn syrup mil lb..	246.8	26 538	N	N
31131003	Sugar, cane and beet (in terms of sugar solids) 1,000 s tons..	P78.4	45 189	N	N
31100019	Fats and oils, all types (purchased as such) mil lb..	P1 537.5	429 464	N	N
001900A1	Packaging paper and plastics film, coated and laminated	X	82 435	X	N
001900A3	Bags; plastics, foil, and coated paper	X	35 818	X	N
32721301	Glass containers	X	327 299	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	92 172	X	N
00970099	All other materials and components, parts, containers, and supplies	X	1 515 502	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	146 882	X	N
	311942, SPICE & EXTRACT MFG				
31131003	Sugar, cane and beet (in terms of sugar solids) 1,000 s tons..	86.0	46 469	N	N
31142103	Concentrated fruit juices mil gal..	.9	13 620	N	N
11130009	Green coffee 1,000 cwt..	D	D	N	N
11100027	Spices, raw mil lb..	407.6	539 236	N	N
31142309	Dried vegetables, except potatoes and corn mil lb..	45.6	52 975	N	N
31121101	Wheat flour 1,000 cwt..	2 176.6	25 023	N	N
31121127	Corn flour mil lb..	D	D	N	N
31122101	Corn syrup mil lb..	S	6 338	N	N
31100019	Fats and oils, all types (purchased as such) mil lb..	177.9	72 608	N	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	46 413	X	N
32610027	Plastics bottles and cans	X	4 893	X	N
33243101	Metal cans, can lids and ends	X	17 707	X	N
001900A1	Packaging paper and plastics film, coated and laminated	X	34 272	X	N
001900A3	Bags; plastics, foil, and coated paper	X	18 753	X	N
32222401	Bags; uncoated paper and multiwall	X	3 968	X	N
32721301	Glass containers	X	12 658	X	N
00970099	All other materials and components, parts, containers, and supplies	X	853 585	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	177 773	X	N
	311991, PERISHABLE PREPARED FOOD MFG				
00190041	Sweetcorn, fresh or frozen 1,000 s tons..	P.4	301	N	N
11121100	White potatoes 1,000 s tons..	314.1	64 096	N	N
11100025	Other fresh vegetables 1,000 s tons..	404.3	188 400	N	N
31142309	Dried vegetables, except potatoes and corn mil lb..	.9	1 102	N	N
11115001	Field corn, whole grain 1,000 s tons..	P15.2	2 783	N	N
31121117	Corn grits, meal, and flakes 1,000 cwt..	D	D	N	N
31121127	Corn flour mil lb..	25.4	7 606	N	N
31121101	Wheat flour 1,000 cwt..	761.2	8 612	N	N
11100027	Spices, raw mil lb..	S	4 472	N	N
31122101	Corn syrup mil lb..	S	408	N	N
31131003	Sugar, cane and beet (in terms of sugar solids) 1,000 s tons..	P16.6	10 191	N	N
31100019	Fats and oils, all types (purchased as such) mil lb..	S	13 662	N	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	101 417	X	N
001900A1	Packaging paper and plastics film, coated and laminated	X	35 774	X	N
001900A3	Bags; plastics, foil, and coated paper	X	6 087	X	N
32222401	Bags; uncoated paper and multiwall	X	D	X	N
00970099	All other materials and components, parts, containers, and supplies	X	482 485	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	225 529	X	N
	311999, ALL OTHER MISCELLANEOUS FOOD MFG				
11231005	Shell eggs 1,000 cases (30 doz)..	446 476.3	681 517	N	N
31142103	Concentrated fruit juices mil gal..	D	D	N	N
11121100	White potatoes 1,000 s tons..	5.2	2 354	N	N
31142309	Dried vegetables, except potatoes and corn mil lb..	110.5	19 595	N	N
11115007	Popcorn, whole grain mil lb..	784.5	117 829	N	N
31121117	Corn grits, meal, and flakes 1,000 cwt..	D	D	N	N
31121127	Corn flour mil lb..	11.6	1 683	N	N
31121101	Wheat flour 1,000 cwt..	8 146.6	102 935	N	N
11100027	Spices, raw mil lb..	34.7	23 272	N	N

Table 1. Materials Consumed by Kind by Industry: 1997 and 1992—Con.

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	311999, ALL OTHER MISCELLANEOUS FOOD MFG—Con.				
31122101	Corn syrup mil lb.	343.5	41 401	N	N
31131003	Sugar, cane and beet (in terms of sugar solids) 1,000 s tons.	277.4	148 779	N	N
31100019	Fats and oils, all types (purchased as such) mil lb.	197.4	68 642	N	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	261 004	X	N
32721301	Glass containers	X	34 243	N	N
33243101	Metal cans, can lids and ends	X	28 029	X	N
00970099	All other materials and components, parts, containers, and supplies	X	1 628 901	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	739 852	X	N
	312111, SOFT DRINK MFG				
31131003	Sugar, cane and beet (in terms of sugar solids) 1,000 s tons.	^q 109.8	68 605	N	N
31122105	Up to 50% fructose corn syrup, in terms of solids mil lb.	^{P3} 164.3	343 147	N	N
31122107	50% or more fructose corn syrup, in terms of solids mil lb.	^{P7} 930.7	1 027 132	N	N
31100003	Other natural sweeteners, including dextrose, honey, molasses, blends of corn sweeteners and sugar (in terms of solids) mil lb.	128.3	26 000	N	N
32510057	Artificial sweeteners (in terms of solids) mil lb.	^q 296.9	25 846	N	N
31193001	Concentrated liquid beverage bases (finished drink basis), with some juice content mil cases, 192 oz case equiv.	^{P441.4}	275 823	N	N
31193003	Other concentrated liquid beverage bases (finished drink basis) mil cases, 192 oz case equiv.	^{q5} 464.7	4 232 665	N	N
31193005	Syrup beverage bases (finished drink basis) mil cases, 192 oz case equiv.	S	815 154	N	N
31142103	Concentrated fruit juices mil gal.	S	357 830	N	N
00190050	Plastics wrappings, trays, carriers, etc., including preforms	X	313 753	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	491 787	X	N
32610027	Plastics bottles and cans	X	1 670 628	X	N
32721309	Refillable glass containers with or without paperboard wrapping	X	42 919	X	N
32721311	Nonrefillable glass containers with or without paperboard wrapping or plastic shielding	X	333 256	X	N
33243101	Metal cans, can lids and ends	X	3 799 676	X	N
00970099	All other materials and components, parts, containers, and supplies	X	1 320 852	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	1 794 958	X	N
	312112, BOTTLED WATER MFG				
00190050	Plastics wrappings, trays, carriers, etc., including preforms	X	2 293	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	16 934	X	N
32610027	Plastics bottles and cans	X	53 260	X	N
32721309	Refillable glass containers with or without paperboard wrapping	X	D	X	N
32721311	Nonrefillable glass containers with or without paperboard wrapping or plastic shielding	X	D	X	N
00970099	All other materials and components, parts, containers, and supplies	X	49 910	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	222 697	X	N
	312120, BREWERIES				
11119911	Barley mil bushels.	S	1 362	15.5	69 294
11115005	Corn, purchased as grain mil bushels.	D	D	D	D
31121119	Corn grits 1,000 cwt.	^{q5} 492.4	49 720	7 043.6	66 155
31121121	Corn meal and flakes 1,000 cwt.	D	D	D	D
31121300	Malt 1,000 cwt.	^{P56} 282.2	791 968	50 252.1	721 084
31122119	Dextrose and corn syrup, including corn syrup solids (in terms of dry weight) mil lb.	620.9	53 428	605.4	68 472
31122103	High fructose corn syrup (HFCS)(in terms of solids) mil lb.	421.9	43 695	D	D
31122117	Crystalline fructose (dry fructose) mil lb.	—	—	N	N
31131003	Sugar, cane and beet (in terms of sugar solids) 1,000 s tons.	^{q6.7}	1 682	D	D
32510053	Sugar substitutes (mannitol, sorbitol, etc.) 1,000 s tons.	D	D	N	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	616 960	X	563 543
32721303	Glass containers, excluding those capitalized	X	1 565 310	X	1 470 028
33243101	Metal cans, can lids and ends	X	2 224 266	X	2 815 051
00970099	All other materials and components, parts, containers, and supplies	X	937 928	X	D
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	378 377	X	D
	312130, WINERIES				
00190016	All other materials, ingredients, and supplies consumed in wine manufacturing	X	531 521	X	N
11133200	Fresh grapes 1,000 s tons.	S	1 356 565	3 031.0	778 819
31213001	Purchased wines used for blending mil wine gal.	S	827 025	239.0	352 400
31213003	Purchased wines used for other purposes mil wine gal.	22.6	119 986	S	13 151
32721305	Glass containers used for wine and brandy manufacture 1,000 gross.	S	440 508	11 377.0	393 388
32221003	Paperboard boxes and containers used for wine and brandy manufacture	X	65 293	X	36 668
00970099	All other materials and components, parts, containers, and supplies	X	5 446	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	193 477	X	D
	312140, DISTILLERIES				
00190018	All other materials, ingredients, and supplies consumed in the processing and bottling of distilled liquors	X	52 656	X	N
11115005	Corn, purchased as grain mil bushels.	X	41 128	X	37 287
11110001	Other grains (rye, barley, etc.) used in grain distilling mil bushels.	1.9	9 550	D	N
31121300	Malt 1,000 cwt.	S	8 373	494.3	8 025
32192005	Cooperage used in grain distilling millions.	.6	46 262	492.8	39 078
00190017	All other materials, ingredients, and supplies consumed in distilling operations	X	2 278	X	N
31214001	Neutral spirits used in the processing of whiskey mil tax gal.	S	5 428	14.7	10 985
31214005	Neutral spirits used in the processing of vodka mil tax gal.	^{P36.5}	32 892	^{P78.7}	86 255
31214007	Neutral spirits used in the processing of gin mil tax gal.	S	1 961	31.4	24 646
31214009	Neutral spirits used in the processing of other liquor mil tax gal.	S	130 052	23.9	106 204
31214003	Aged whiskey used in the processing and bottling of distilled liquors mil tax gal.	^{P54.3}	270 866	44.4	154 359
32221005	Paperboard boxes and containers used in the processing and bottling of distilled liquors	X	23 436	X	23 459
32610029	Plastics containers	X	63 046	X	26 502
32721307	Glass containers used in the processing and bottling of distilled liquors	X	337 601	X	313 307
00970099	All other materials and components, parts, containers, and supplies	X	211 973	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	233 828	X	13 988

Table 1. Materials Consumed by Kind by Industry: 1997 and 1992—Con.

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
312210, TOBACCO STEMMING & REDRYING					
11191000	Unstemmed leaf tobacco including green tobacco not packed mil lb. .	955.2	1 806 588	N	N
31220000	Unstemmed leaf tobacco, redried and packed mil lb. .	45.1	97 350	N	N
31221000	Stemmed leaf tobacco, excluding processed sheet and homogenized tobacco mil lb. .	312.8	522 375	N	N
31222903	Reconstituted tobacco, processed sheet and homogenized mil lb. .	D	D	N	N
32221001	Paperboard containers, boxes, and corrugated paperboard mil lb. .	X	D	X	N
32520003	Manmade fibers, staple, and tow	X	—	X	N
00970099	All other materials and components, parts, containers, and supplies	X	3	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	17 402	X	N
312221, CIGARETTE MFG					
11191000	Unstemmed leaf tobacco including green tobacco not packed mil lb. .	D	D	D	D
31220000	Unstemmed leaf tobacco, redried and packed mil lb. .	D	D	D	D
31221000	Stemmed leaf tobacco, excluding processed sheet and homogenized tobacco mil lb. .	833.0	2 127 113	1 013.0	2 157 177
31222903	Reconstituted tobacco, processed sheet and homogenized mil lb. .	D	D	297.9	183 615
32221001	Paperboard containers, boxes, and corrugated paperboard mil lb. .	X	D	X	294 868
32520003	Manmade fibers, staple, and tow	X	438 283	X	305 349
00970099	All other materials and components, parts, containers, and supplies	X	1 171 641	X	1 120 258
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	—	X	N
312229, OTHER TOBACCO PRODUCT MFG					
11191000	Unstemmed leaf tobacco including green tobacco not packed mil lb. .	39.0	60 803	N	N
31220000	Unstemmed leaf tobacco, redried and packed mil lb. .	91.7	183 544	N	N
31221000	Stemmed leaf tobacco, excluding processed sheet and homogenized tobacco mil lb. .	107.7	189 923	N	N
31222903	Reconstituted tobacco, processed sheet and homogenized mil lb. .	45.5	57 613	N	N
32221001	Paperboard containers, boxes, and corrugated paperboard mil lb. .	X	33 023	X	N
32520003	Manmade fibers, staple, and tow	X	D	X	N
00970099	All other materials and components, parts, containers, and supplies	X	D	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	9 340	X	N
313111, YARN SPINNING MILLS					
11192001	Raw cotton fibers 1,000 bales. .	q5 618.3	2 296 783	N	N
11200000	Raw wool, mohair, and other animal fibers (scoured weight) mil lb. .	p38.2	46 150	N	N
31499905	Wool tops mil lb. .	q25.9	95 310	D	D
00999829	All other fibers (silk, jute, reused wool, waste, etc.) mil lb. .	q41.5	27 491	72.3	15 756
32522105	Rayon and acetate staple and tow mil lb. .	70.6	142 001	N	N
32522215	Nylon staple and tow mil lb. .	553.8	717 486	926.9	992 123
32522223	Polyester staple and tow mil lb. .	751.9	620 564	763.0	598 811
32522225	Acrylic staple and tow mil lb. .	q235.1	213 334	144.6	159 699
32522227	All other manmade fiber staple and tow (except glass) mil lb. .	22.9	101 158	p66.7	108 137
31311101	Spun yarn, all fibers	p27.7	47 367	N	N
32522211	Nylon filament yarns mil lb. .	88.2	158 299	95.9	148 495
32522221	Polyester filament yarns mil lb. .	D	D	100.5	97 272
32522205	All other manmade filament yarns mil lb. .	D	D	p1.7	3 386
32513003	Dyes, lakes, and toners	X	20 203	X	N
00970099	All other materials and components, parts, containers, and supplies	X	227 702	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	54 778	X	N
313112, YARN TEXTURING, THROWING, & TWISTING MILLS					
11192001	Raw cotton fibers 1,000 bales. .	D	D	N	N
00999829	All other fibers (silk, jute, reused wool, waste, etc.) mil lb. .	1.2	4 342	N	N
32522105	Rayon and acetate staple and tow mil lb. .	D	D	N	N
32522223	Polyester staple and tow mil lb. .	q210.4	161 306	N	N
32522215	Nylon staple and tow mil lb. .	166.9	164 160	N	N
31311101	Spun yarn, all fibers mil lb. .	61.5	40 523	N	N
32522221	Polyester filament yarns mil lb. .	875.5	952 903	N	N
32522211	Nylon filament yarns mil lb. .	789.6	1 282 682	N	N
32522205	All other manmade filament yarns mil lb. .	S	72 984	N	N
32513003	Dyes, lakes, and toners	X	25 794	X	N
00970099	All other materials and components, parts, containers, and supplies	X	91 108	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	135 744	X	N
313113, THREAD MILLS					
11192001	Raw cotton fibers 1,000 bales. .	D	D	N	N
32522215	Nylon staple and tow mil lb. .	D	D	N	N
32522105	Rayon and acetate staple and tow mil lb. .	D	D	N	N
32522223	Polyester staple and tow mil lb. .	D	D	N	N
32522225	Acrylic staple and tow mil lb. .	—	—	N	N
31311101	Spun yarn, all fibers mil lb. .	p14.7	135 868	N	N
32522211	Nylon filament yarns mil lb. .	p6.9	52 614	N	N
32522221	Polyester filament yarns mil lb. .	13.8	24 059	N	N
32522205	All other manmade filament yarns mil lb. .	S	6 240	N	N
32513003	Dyes, lakes, and toners	X	D	X	N
00970099	All other materials and components, parts, containers, and supplies	X	28 238	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	7 968	X	N
313210, BROADWOVEN FABRIC MILLS					
11192001	Raw cotton fibers 1,000 bales. .	4 164.1	1 685 115	N	N
11200000	Raw wool, mohair, and other animal fibers (scoured weight) mil lb. .	73.9	162 041	N	N
31499905	Wool tops mil lb. .	D	D	N	N
32522105	Rayon and acetate staple and tow mil lb. .	110.8	175 863	N	N
32522215	Nylon staple and tow mil lb. .	p15.4	22 402	N	N
32522223	Polyester staple and tow mil lb. .	656.5	416 526	N	N
32522227	All other manmade fiber staple and tow (except glass) mil lb. .	S	163 543	N	N
00999829	All other fibers (silk, jute, reused wool, waste, etc.) mil lb. .	D	D	N	N
32522101	Rayon, acetate, and/or lyocell filament yarns mil lb. .	140.1	282 724	N	N
32522211	Nylon filament yarns mil lb. .	p168.0	480 792	N	N
32522221	Polyester filament yarns mil lb. .	499.1	869 292	N	N
32522203	All other filament yarns, except glass mil lb. .	231.7	421 975	N	N
32721207	Glass filament yarn and roving mil lb. .	S	306 883	N	N
31311101	Spun yarn, all fibers mil lb. .	1 049.8	1 890 047	N	N
31321027	Broadwoven fabrics mil sq yd. .	S	737 912	N	N
32513003	Dyes, lakes, and toners	X	231 746	X	N
00970099	All other materials and components, parts, containers, and supplies	X	1 321 569	X	N

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
00971000	313210, BROADWOVEN FABRIC MILLS—Con.				
	Materials, ingredients, containers, and supplies, n.s.k.	X	394 131	X	N
	313221, NARROW FABRIC MILLS				
31311103	Cotton yarns	X	40 643	X	N
32522221	Polyester filament yarns	X	95 174	X	N
32522211	Nylon filament yarns	X	124 779	X	N
32522213	Filament rayon, acetate, and Lyocell yarns	X	16 746	X	N
31311001	All other yarns	X	76 523	X	N
32629907	Bare rubber thread	X	37 878	X	N
31311113	Spun polyester yarns	X	24 461	X	N
11192001	Raw cotton fibers	D	D	X	N
32522105	Rayon and acetate staple and tow	D	D	N	N
00970099	All other materials and components, parts, containers, and supplies	X	92 752	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	46 059	X	N
	313222, SCHIFFLI MACHINE EMBROIDERY				
31321013	Polyester broadwoven fabrics (piece goods)	.3	3 647	N	N
31321003	Cotton broadwoven fabrics (piece goods)	S	3 155	N	N
31321009	Rayon and acetate broadwoven fabrics (piece goods)	D	D	N	N
31321021	Other broadwoven fabrics (piece goods)	S	4 589	N	N
31322103	Narrow fabrics (12 inches or less in width)	S	2 792	N	N
31311003	Yarn, all fibers	S	8 667	N	N
31332001	Plastics coated, impregnated, or laminated fabrics	S	1 101	N	N
31500000	Garments purchased to be printed and resold	X	9 263	X	N
32591011	Printing ink, for printing on garments	X	D	X	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	1 335	X	N
00970099	All other materials and components, parts, containers, and supplies	X	5 893	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	13 630	X	N
	313230, NONWOVEN FABRIC MILLS				
11192001	Raw cotton fibers	S	29 363	N	N
00190019	Cotton waste	S	21 493	N	N
31122305	Cotton linters (net weight)	D	D	N	N
11200000	Raw wool, mohair, and other animal fibers (scoured weight)	6.2	12 517	N	N
00999823	Wool noils and waste	D	D	N	N
32522105	Rayon and acetate staple and tow	44.2	87 349	N	N
32522201	Noncellulosic (polyester, nylon, etc.) manmade textile fibers	P406.2	566 141	N	N
31311003	Yarn, all fibers	S	132 941	N	N
31320003	Textile fabrics	X	69 391	X	N
32212003	Paper (cellulosic wadding)	78.7	82 449	N	N
32552009	Adhesives and binders (resins)	P99.3	107 083	N	N
32500015	Additives (fire retardants, water repellants, softeners, and antistatics, etc.)	X	45 368	X	N
00999825	New and used rags, clips, etc.	D	D	N	N
32521139	Vinyl and vinyl copolymer resins, all forms	X	10 814	X	N
32521115	Plastics resins (except vinyl) consumed in the form of granules, pellets, powders, liquids, etc.	P805.2	562 676	N	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	90 628	X	N
32513003	Dyes, lakes, and toners	X	27 744	X	N
00970099	All other materials and components, parts, containers, and supplies	X	438 820	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	115 845	X	N
	313241, WEFT KNIT FABRIC MILLS				
31324000	Knit fabrics	S	7 220	N	N
32520003	Manmade fibers, staple, and tow	S	53 834	N	N
11192001	Raw cotton fibers	D	D	N	N
11241001	Raw wool fibers	9.3	711	N	N
31311105	Carded cotton yarn	P202.3	301 314	N	N
31311107	Combed cotton yarn	S	267 249	N	N
31311109	Spun rayon and acetate yarn	S	13 269	N	N
31311111	Spun nylon yarn	1.7	5 322	N	N
31311113	Spun polyester yarns	243.7	381 074	N	N
32522101	Rayon, acetate, and/or lyocell filament yarns	S	18 625	N	N
32522211	Nylon filament yarn	13.5	30 044	N	N
32522221	Polyester filament yarn	983.2	130 598	N	N
31311115	Acrylic yarns	S	23 769	N	N
31311121	Wool yarn	D	D	N	N
31311001	All other yarns	91.9	162 155	N	N
00970099	All other materials and components, parts, containers, and supplies	X	194 548	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	146 348	X	N
	313249, OTHER KNIT FABRIC & LACE MILLS				
31324000	Knit fabrics	S	45 021	N	N
32520003	Manmade fibers, staple, and tow	S	25 735	N	N
11192001	Raw cotton fibers	D	D	N	N
31311105	Carded cotton yarn	S	43 379	N	N
31311107	Combed cotton yarn	S	45 760	N	N
31311109	Spun rayon and acetate yarn	4.0	7 871	N	N
31311111	Spun nylon yarn	P27.8	71 788	N	N
31311113	Spun polyester yarns	S	144 205	N	N
32522101	Rayon, acetate, and/or lyocell filament yarns	S	25 087	N	N
32522211	Nylon filament yarn	58.7	155 827	N	N
32522221	Polyester filament yarn	P129.5	234 823	N	N
31311115	Acrylic yarns	D	D	N	N
31311001	All other yarns	S	167 470	N	N
00970099	All other materials and components, parts, containers, and supplies	X	191 527	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	95 005	X	N
	313311, BROADWOVEN FABRIC FINISHING MILLS				
31311101	Spun yarn, all fibers	569.5	132 602	N	N
31321027	Broadwoven fabrics	6 149.5	2 768 382	N	N
32513003	Dyes, lakes, and toners	X	623 158	X	N
31324000	Knit fabrics	S	30 623	N	N
00970099	All other materials and components, parts, containers, and supplies	X	441 974	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	583 365	X	N

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[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
313312, TEXTILE & FABRIC FINISHING MILLS					
31311101	Spun yarn, all fibers mil lb	364.3	646 223	N	N
31321027	Broadwoven fabrics mil sq yd	506.1	13 894	N	N
32513003	Dyes, lakes, and toners	X	203 640	X	N
31324000	Knit fabrics mil lb	S	981 758	N	N
00970099	All other materials and components, parts, containers, and supplies	X	165 945	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	213 212	X	N
313320, FABRIC COATING MILLS					
32520003	Manmade fibers, staple, and tow	X	40 668	X	N
31311003	Yarn, all fibers	X	43 520	X	N
31320013	Cotton fabrics	X	85 041	X	N
31320015	Manmade fiber fabrics, including glass	X	213 229	X	N
32212003	Paper (cellulosic wadding)	X	15 969	X	N
32552009	Adhesives and binders (resins)	X	45 594	X	N
32510059	Plasticizers	X	42 334	X	N
32521139	Vinyl and vinyl copolymer resins, all forms	X	54 169	X	N
32521115	Plastics resins (except vinyl) consumed in the form of granules, pellets, powders, liquids, etc.	X	38 707	X	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	33 641	X	N
32521213	Ethylene-propylene type plastics and synthetic rubber	X	2 190	X	N
32521203	SBR-type synthetic rubber	X	5 221	X	N
32629905	Rubber compounds and mixtures purchased (dry rubber solids content)	X	12 050	X	N
32520007	Other plastics materials and synthetic resins, synthetic rubber, cellulosic and other manmade fibers, except glass	X	29 387	X	N
11321005	Natural latex rubber (dry solids content)	X	D	X	N
11321003	Natural dry rubber	X	D	X	N
00970099	All other materials and components, parts, containers, and supplies	X	271 893	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	205 222	X	N
314110, CARPET & RUG MILLS					
31311123	Spun wool and chiefly wool yarns mil lb	31.6	84 414	11.1	29 512
31311111	Spun nylon yarn mil lb	673.9	1 525 770	P802.7	1 559 880
31311113	Spun polyester yarns mil lb	P82.1	140 772	P123.4	153 730
31311117	Spun polypropylene yarns mil lb	S	114 577	Q104.2	121 147
31311119	All other spun yarns mil lb	P19.2	40 355	P20.3	35 805
32522211	Nylon filament yarns mil lb	1 096.4	2 171 547	P480.8	1 006 703
32522221	Polyester filament yarns mil lb	S	42 466	P4.6	6 765
32522231	Polypropylene filament yarns mil lb	487.5	445 042	188.3	231 960
32522207	All other filament yarns mil lb	D	D	P26.2	38 688
32520001	All other manmade fiber staple, and tow mil lb	D	D	N	N
32522215	Nylon staple and tow mil lb	P64.5	121 815	D	D
32522217	Polypropylene staple and tow mil lb	39.1	82 266	P44.7	36 136
32522223	Polyester staple and tow mil lb	Q27.1	35 091	27.0	15 962
00999829	All other fibers (silk, jute, reused wool, waste, etc.) mil lb	3.9	23 820	D	D
31320017	Polypropylene fiber fabrics primary backing mil sq yd	843.6	315 663	Q659.6	190 525
31320019	All other manmade fiber fabrics primary backing mil sq yd	Q232.6	137 709	P106.8	73 300
31320021	All other fabrics (except manmade) primary backing mil sq yd	2.2	1 690	4.1	5 061
31320031	Jute secondary backing	X	79 574	X	80 022
32620003	Foam or high density rubber cushion secondary backing	X	26 487	X	13 670
32610041	Other cushion secondary backings (including vinyl, polyurethane, etc.)	X	56 182	X	95 884
31320023	Woven and nonwoven manmade fiber fabrics secondary backing	X	193 489	X	107 350
31320025	All other secondary backing (including scrim, solid vinyl, etc.)	X	42 928	X	47 441
32513003	Dyes, lakes, and toners	X	190 546	X	185 494
00970099	All other materials and components, parts, containers, and supplies	X	648 016	X	710 999
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	163 763	X	93 831
314121, CURTAIN & DRAPERY MILLS					
31321003	Cotton broadwoven fabrics (piece goods)	X	60 889	X	N
31321009	Rayon and acetate broadwoven fabrics (piece goods)	X	65 738	X	N
31321013	Polyester broadwoven fabrics (piece goods)	X	118 875	X	N
31321015	Nylon broadwoven fabrics (piece goods)	X	6 565	X	N
31321021	Other broadwoven fabrics (piece goods)	X	68 335	X	N
31322103	Narrow fabrics (12 inches or less in width)	X	1 015	X	N
31311003	Yarn, all fibers	X	40 034	X	N
31332001	Plastics coated, impregnated, or laminated fabrics	X	10 947	X	N
32520003	Manmade fibers, staple, and tow	X	852	X	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	7 546	X	N
00970099	All other materials and components, parts, containers, and supplies	X	124 115	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	296 972	X	N
314129, OTHER HOUSEHOLD TEXTILE PRODUCT MILLS					
31321003	Cotton broadwoven fabrics (piece goods)	X	543 694	X	N
31321009	Rayon and acetate broadwoven fabrics (piece goods)	X	14 909	X	N
31321013	Polyester broadwoven fabrics (piece goods)	X	265 363	X	N
31321015	Nylon broadwoven fabrics (piece goods)	X	20 141	X	N
31321021	Other broadwoven fabrics (piece goods)	X	808 928	X	N
31322103	Narrow fabrics (12 inches or less in width)	X	29 989	X	N
31311003	Yarn, all fibers	X	195 176	X	N
31332001	Plastics coated, impregnated, or laminated fabrics	X	23 140	X	N
32520003	Manmade fibers, staple, and tow	X	169 194	X	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	32 987	X	N
00970099	All other materials and components, parts, containers, and supplies	X	1 244 579	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	321 074	X	N
314911, TEXTILE BAG MILLS					
31321003	Cotton broadwoven fabrics (piece goods)	X	41 130	X	N
31321009	Rayon and acetate broadwoven fabrics (piece goods)	X	3 608	X	N
31321013	Polyester broadwoven fabrics (piece goods)	X	23 343	X	N
31321015	Nylon broadwoven fabrics (piece goods)	X	25 977	X	N
31321021	Other broadwoven fabrics (piece goods)	X	48 353	X	N
31322103	Narrow fabrics (12 inches or less in width)	X	7 676	X	N
31311003	Yarn, all fibers	X	20 130	X	N
31332001	Plastics coated, impregnated, or laminated fabrics	X	65 725	X	N
32520003	Manmade fibers, staple, and tow	X	13 874	X	N

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	314911, TEXTILE BAG MILLS—Con.				
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	14 651	X	N
00970099	All other materials and components, parts, containers, and supplies	X	92 012	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	68 929	X	N
	314912, CANVAS & RELATED PRODUCT MILLS				
31321003	Cotton broadwoven fabrics (piece goods)	X	29 679	X	27 220
31321009	Rayon and acetate broadwoven fabrics (piece goods)	X	4 035	X	1 139
31321013	Polyester broadwoven fabrics (piece goods)	X	28 720	X	17 335
31321015	Nylon broadwoven fabrics (piece goods)	X	35 598	X	24 284
31321021	Other broadwoven fabrics (piece goods)	X	22 185	X	20 132
31322103	Narrow fabrics (12 inches or less in width)	X	7 858	X	5 833
31311003	Yarn, all fibers	X	7 403	X	1 045
31332001	Plastics coated, impregnated, or laminated fabrics	X	77 730	X	54 294
32520003	Manmade fibers, staple, and tow	X	8 919	X	1 121
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	10 154	X	2 975
00970099	All other materials and components, parts, containers, and supplies	X	187 684	X	104 732
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	235 514	X	192 628
	314991, ROPE, CORDAGE, & TWINE MILLS				
32520003	Manmade fibers, staple, and tow	X	53 093	X	37 717
31311003	Yarn, all fibers	X	85 476	X	80 437
31320013	Cotton fabrics	X	D	X	D
31320015	Manmade fiber fabrics, including glass	X	D	X	D
32212003	Paper (cellulosic wadding)	X	D	X	3 492
32552009	Adhesives and binders (resins)	X	1 025	X	D
32510059	Plasticizers	X	377	X	D
32521139	Vinyl and vinyl copolymer resins, all forms	X	D	X	D
32521115	Plastics resins (except vinyl) consumed in the form of granules, pellets, powders, liquids, etc.	X	51 354	X	40 864
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	D	X	D
32521213	Ethylene-propylene type plastics and synthetic rubber	X	D	X	N
32520007	Other plastics materials and synthetic resins, synthetic rubber, cellulosic and other manmade fibers, except glass	X	D	X	N
00970099	All other materials and components, parts, containers, and supplies	X	57 239	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	38 452	X	36 238
	314992, TIRE CORD & TIRE FABRIC MILLS				
32522215	Nylon staple and tow	D	D	D	D
32522223	Polyester staple and tow	D	D	90.7	100 097
32522101	Rayon, acetate, and/or lyocell filament yarns	D	D	3.5	5 859
32522211	Nylon filament yarns	119.2	223 598	49.7	61 506
32522221	Polyester filament yarns	171.1	304 088	82.5	110 681
32522203	All other filament yarns, except glass	D	D	D	D
32721207	Glass filament yarn and roving	D	D	1.5	2 195
31311101	Spun yarn, all fibers	D	D	D	D
31321027	Broadwoven fabrics	D	D	N	N
00970099	All other materials and components, parts, containers, and supplies	X	141 034	X	73 337
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	4 380	X	D
	314999, ALL OTHER MISCELLANEOUS TEXTILE PRODUCT MILLS				
11192001	Raw cotton fibers	27.5	5 887	X	N
00190019	Cotton waste	S	40 091	X	N
31122305	Cotton linters (net weight)	S	23 917	X	N
11200000	Raw wool, mohair, and other animal fibers (scoured weight)	D	D	X	N
00999823	Wool noils and waste	D	D	X	N
32522105	Rayon and acetate staple and tow	17.7	6 616	X	N
32522201	Noncellulosic (polyester, nylon, etc.) manmade textile fibers	386.5	214 213	X	N
31311003	Yarn, all fibers	S	243 547	X	N
31320003	Textile fabrics	X	485 328	X	N
32212003	Paper (cellulosic wadding)	D	D	X	N
32552009	Adhesives and binders (resins)	32.7	22 588	X	N
32500015	Additives (fire retardants, water repellants, softeners, and antistatics, etc.)	X	11 562	X	N
00999825	New and used rags, clips, etc.	98.8	52 377	X	N
32521139	Vinyl and vinyl copolymer resins, all forms	X	2 399	X	N
32521115	Plastics resins (except vinyl) consumed in the form of granules, pellets, powders, liquids, etc.	S	73 314	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	36 579	X	N
32513003	Dyes, lakes, and toners	X	14 591	X	N
31322103	Narrow fabrics (12 inches or less in width)	S	24 683	X	N
31332001	Plastics coated, impregnated, or laminated fabrics	S	66 307	X	N
31500000	Garments purchased to be printed and resold	X	240 210	X	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	24 269	X	N
32100019	Rough and dressed lumber	X	D	X	N
00970099	All other materials and components, parts, containers, and supplies	X	1 065 263	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	266 335	X	N
	315111, SHEER HOSIERY MILLS				
31511101	Hosiery shipped in the greige, except pantyhose	X	28 584	X	N
31511103	Pantyhose shipped in the greige	X	120 070	X	N
31311103	Cotton yarns	X	32 113	X	N
31311111	Spun nylon yarn	X	223 460	X	N
31311115	Acrylic yarns	X	9 791	X	N
32522211	Nylon filament yarns	X	117 781	X	N
32522229	Spandex filament yarns	X	82 800	X	N
31311001	All other yarns	X	9 345	X	N
00190003	Flexible packaging materials	X	34 823	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	40 577	X	N
00970099	All other materials and components, parts, containers, and supplies	X	28 738	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	40 794	X	N

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		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
315119, OTHER HOSIERY & SOCK MILLS					
31511101	Hosiery shipped in the greige, except pantyhose	X	340 269	X	N
31511103	Pantyhose shipped in the greige	X	D	X	N
31311103	Cotton yarns	X	386 079	X	N
31311111	Spun nylon yarn	X	63 282	X	N
31311115	Acrylic yarns	X	49 822	X	N
32522211	Nylon filament yarns	X	43 246	X	N
32522229	Spandex filament yarns	X	22 746	X	N
31311001	All other yarns	X	85 138	X	N
00190003	Flexible packaging materials	X	37 234	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	31 399	X	N
00970099	All other materials and components, parts, containers, and supplies	X	132 492	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	D	X	N
315191, OUTERWEAR KNITTING MILLS					
31324000	Knit fabrics	43.9	327 547	N	N
32520003	Manmade fibers, staple, and tow	1.7	5 016	N	N
11192001	Raw cotton fibers	D	D	N	N
11241001	Raw wool fibers	D	D	N	N
31311105	Carded cotton yarn	295.2	560 605	N	N
31311107	Combed cotton yarn	937.2	82 013	N	N
31311109	Spun rayon and acetate yarn	S	2 505	N	N
31311111	Spun nylon yarn	S	913	N	N
31311113	Spun polyester yarns	D	D	N	N
32522101	Rayon, acetate, and/or lyocell filament yarns	S	1 629	N	N
32522211	Nylon filament yarn	S	2 316	N	N
32522221	Polyester filament yarn	P1.8	3 822	N	N
31311115	Acrylic yarns	S	46 885	N	N
31311121	Wool yarn	11.8	61 372	N	N
31311001	All other yarns	S	11 528	N	N
00970099	All other materials and components, parts, containers, and supplies	X	306 981	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	273 217	X	N
315192, UNDERWEAR & NIGHTWEAR KNITTING MILLS					
31324000	Knit fabrics	S	33 411	N	N
31311105	Carded cotton yarn	959.8	87 756	N	N
31311107	Combed cotton yarn	S	40 404	N	N
31311111	Spun nylon yarn	D	D	N	N
31311113	Spun polyester yarns	S	8 642	N	N
32522101	Rayon, acetate, and/or lyocell filament yarns	D	D	N	N
32522211	Nylon filament yarn	8.7	30 227	N	N
32522221	Polyester filament yarn	2.1	4 946	N	N
31311115	Acrylic yarns	D	D	N	N
31311001	All other yarns	D	D	N	N
00970099	All other materials and components, parts, containers, and supplies	X	39 579	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	10 571	X	N
315211, MEN'S & BOYS' CUT & SEW APPAREL CONTRACTORS					
31321023	Broadwoven fabrics (piece goods)	X	57 667	X	N
31322103	Narrow fabrics (12 inches or less in width)	X	10 471	X	N
31324000	Knit fabrics	X	40 009	X	N
31311003	Yarn, all fibers	X	5 316	X	N
33999301	Buttons, zippers, and slide fasteners	X	11 667	X	N
31500000	Garments purchased to be printed and resold	X	1 587	X	N
32591011	Printing ink, for printing on garments	X	46	X	N
00970099	All other materials and components, parts, containers, and supplies	X	34 073	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	45 706	X	N
315212, WOMEN'S, GIRLS', & INFANTS' CUT & SEW APPAREL CONTRACTORS					
31321023	Broadwoven fabrics (piece goods)	X	49 019	X	N
31322103	Narrow fabrics (12 inches or less in width)	X	5 299	X	N
31324000	Knit fabrics	X	45 103	X	N
31311003	Yarn, all fibers	X	10 673	X	N
33999301	Buttons, zippers, and slide fasteners	X	7 801	X	N
31500000	Garments purchased to be printed and resold	X	1 006	X	N
32591011	Printing ink, for printing on garments	X	223	X	N
00970099	All other materials and components, parts, containers, and supplies	X	33 090	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	264 424	X	N
315221, MEN'S & BOYS' CUT & SEW UNDERWEAR & NIGHTWEAR MFG					
31321023	Broadwoven fabrics (piece goods)	X	69 374	X	N
31322103	Narrow fabrics (12 inches or less in width)	X	7 380	X	N
31324000	Knit fabrics	X	173 941	X	N
31311003	Yarn, all fibers	X	D	X	N
33999301	Buttons, zippers, and slide fasteners	X	D	X	N
00970099	All other materials and components, parts, containers, and supplies	X	46 963	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	75 790	X	N
315222, MEN'S & BOYS' CUT & SEW SUIT, COAT, & OVERCOAT MFG					
31321023	Broadwoven fabrics (piece goods)	X	504 438	X	N
31322103	Narrow fabrics (12 inches or less in width)	X	40 815	X	N
31324000	Knit fabrics	X	6 468	X	N
31311003	Yarn, all fibers	X	6 836	X	N
33999301	Buttons, zippers, and slide fasteners	X	37 690	X	N
00970099	All other materials and components, parts, containers, and supplies	X	75 468	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	105 534	X	N

Table 1. Materials Consumed by Kind by Industry: 1997 and 1992—Con.

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	315223, MEN'S & BOYS' CUT & SEW SHIRT (EXC WORK SHIRT) MFG				
31321023	Broadwoven fabrics (piece goods)	X	363 347	X	N
31322103	Narrow fabrics (12 inches or less in width)	X	66 926	X	N
31324000	Knit fabrics	X	1 553 915	X	N
31311003	Yarn, all fibers	X	59 071	X	N
33999301	Buttons, zippers, and slide fasteners	X	54 720	X	N
00970099	All other materials and components, parts, containers, and supplies	X	503 743	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	237 616	X	N
	315224, MEN'S & BOYS' CUT & SEW TROUSER, SLACK, & JEAN MFG				
31321023	Broadwoven fabrics (piece goods)	X	1 078 126	X	N
31322103	Narrow fabrics (12 inches or less in width)	X	D	X	N
31324000	Knit fabrics	X	55 626	X	N
31311003	Yarn, all fibers	X	28 994	X	N
33999301	Buttons, zippers, and slide fasteners	X	130 920	X	N
00970099	All other materials and components, parts, containers, and supplies	X	185 203	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	D	X	N
	315225, MEN'S & BOYS' CUT & SEW WORK CLOTHING MFG				
31321023	Broadwoven fabrics (piece goods)	X	542 558	X	N
31322103	Narrow fabrics (12 inches or less in width)	X	D	X	N
31324000	Knit fabrics	X	18 815	X	N
31311003	Yarn, all fibers	X	D	X	N
33999301	Buttons, zippers, and slide fasteners	X	73 418	X	N
00970099	All other materials and components, parts, containers, and supplies	X	58 329	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	48 318	X	N
	315228, MEN'S & BOYS' CUT & SEW OTHER OUTERWEAR MFG				
31321023	Broadwoven fabrics (piece goods)	X	271 708	X	N
31322103	Narrow fabrics (12 inches or less in width)	X	14 824	X	N
31324000	Knit fabrics	X	148 220	X	N
31311003	Yarn, all fibers	X	19 835	X	N
33999301	Buttons, zippers, and slide fasteners	X	29 436	X	N
00970099	All other materials and components, parts, containers, and supplies	X	65 986	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	148 196	X	N
	315231, WOMEN'S & GIRLS' CUT/SEW LINGERIE & NIGHTWEAR MFG				
31321023	Broadwoven fabrics (piece goods)	X	238 836	X	N
31322103	Narrow fabrics (12 inches or less in width)	X	103 147	X	N
31324000	Knit fabrics	X	1 061 383	X	N
31311003	Yarn, all fibers	X	36 764	X	N
33999301	Buttons, zippers, and slide fasteners	X	31 170	X	N
00970099	All other materials and components, parts, containers, and supplies	X	93 609	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	124 742	X	N
	315232, WOMEN'S & GIRLS' CUT & SEW BLOUSE & SHIRT MFG				
31321023	Broadwoven fabrics (piece goods)	X	528 097	X	N
31322103	Narrow fabrics (12 inches or less in width)	X	68 985	X	N
31324000	Knit fabrics	X	515 299	X	N
31311003	Yarn, all fibers	X	89 840	X	N
33999301	Buttons, zippers, and slide fasteners	X	62 765	X	N
00970099	All other materials and components, parts, containers, and supplies	X	83 702	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	181 231	X	N
	315233, WOMEN'S & GIRLS' CUT & SEW DRESS MFG				
31321023	Broadwoven fabrics (piece goods)	X	858 014	X	N
31322103	Narrow fabrics (12 inches or less in width)	X	141 818	X	N
31324000	Knit fabrics	X	305 769	X	N
31311003	Yarn, all fibers	X	57 227	X	N
33999301	Buttons, zippers, and slide fasteners	X	90 385	X	N
00970099	All other materials and components, parts, containers, and supplies	X	63 912	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	325 366	X	N
	315234, WOMEN'S & GIRLS' CUT & SEW SUIT, COAT, SKIRT MFG				
31321023	Broadwoven fabrics (piece goods)	X	795 232	X	N
31322103	Narrow fabrics (12 inches or less in width)	X	36 958	X	N
31324000	Knit fabrics	X	96 631	X	N
31311003	Yarn, all fibers	X	21 114	X	N
33999301	Buttons, zippers, and slide fasteners	X	70 340	X	N
00970099	All other materials and components, parts, containers, and supplies	X	30 381	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	148 874	X	N
	315239, WOMEN'S & GIRLS' CUT & SEW OTHER OUTERWEAR MFG				
31321023	Broadwoven fabrics (piece goods)	X	1 335 753	X	N
31322103	Narrow fabrics (12 inches or less in width)	X	360 759	X	N
31324000	Knit fabrics	X	463 061	X	N
31311003	Yarn, all fibers	X	68 287	X	N
33999301	Buttons, zippers, and slide fasteners	X	150 841	X	N
00970099	All other materials and components, parts, containers, and supplies	X	151 051	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	285 331	X	N
	315291, INFANTS' CUT & SEW APPAREL MFG				
31321023	Broadwoven fabrics (piece goods)	X	143 706	X	N
31322103	Narrow fabrics (12 inches or less in width)	X	2 734	X	N
31324000	Knit fabrics	X	159 760	X	N
31311003	Yarn, all fibers	X	20 229	X	N
33999301	Buttons, zippers, and slide fasteners	X	17 398	X	N
00970099	All other materials and components, parts, containers, and supplies	X	17 828	X	N

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	315291, INFANTS' CUT & SEW APPAREL MFG—Con.				
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	16 134	X	N
	315292, FUR & LEATHER APPAREL MFG				
31321023	Broadwoven fabrics (piece goods)	X	2 782	X	N
31322103	Narrow fabrics (12 inches or less in width)	X	566	X	N
31324000	Knit fabrics	X	D	X	N
31311003	Yarn, all fibers	X	D	X	N
31611001	Finished leather	X	28 024	X	N
33999301	Buttons, zippers, and slide fasteners	X	2 333	X	N
00970099	All other materials and components, parts, containers, and supplies	X	11 441	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	63 070	X	N
	315299, ALL OTHER CUT & SEW APPAREL MFG				
31321023	Broadwoven fabrics (piece goods)	X	102 105	X	N
31322103	Narrow fabrics (12 inches or less in width)	X	10 699	X	N
31324000	Knit fabrics	X	61 513	X	N
31311003	Yarn, all fibers	X	7 009	X	N
33999301	Buttons, zippers, and slide fasteners	X	5 494	X	N
31611001	Finished leather	X	D	X	N
00970099	All other materials and components, parts, containers, and supplies	X	48 748	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	D	X	N
	315991, HAT, CAP, & MILLINERY MFG				
31321023	Broadwoven fabrics (piece goods)	X	141 045	X	95 074
31322103	Narrow fabrics (12 inches or less in width)	X	24 415	X	40 826
31323003	Wool felt	X	24 714	X	6 675
31599100	Hat bodies	X	48 815	X	71 656
00970099	All other materials and components, parts, containers, and supplies	X	77 766	X	71 111
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	29 049	X	64 844
	315992, GLOVE & MITTEN MFG				
31321023	Broadwoven fabrics (piece goods)mil sq yd..	16.3	30 061	X	N
31324000	Knit fabrics	X	26 994	X	N
31311003	Yarn, all fibers	X	17 496	X	N
31611013	Leather	X	38 384	X	N
00970099	All other materials and components, parts, containers, and supplies	X	38 270	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	25 647	X	N
	315993, MEN'S & BOYS' NECKWEAR MFG				
31321023	Broadwoven fabrics (piece goods)	X	153 166	X	150 039
31322103	Narrow fabrics (12 inches or less in width)	X	39 289	X	36 088
31324000	Knit fabrics	X	D	X	2 820
31311003	Yarn, all fibers	X	D	X	D
31611001	Finished leather	X	D	X	D
33999301	Buttons, zippers, and slide fasteners	X	583	X	D
00970099	All other materials and components, parts, containers, and supplies	X	11 659	X	18 864
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	12 443	X	31 495
	315999, OTHER APPAREL ACCESSORIES & OTHER APPAREL MFG				
31321023	Broadwoven fabrics (piece goods)	X	172 647	X	N
31322103	Narrow fabrics (12 inches or less in width)	X	10 866	X	N
31324000	Knit fabrics	X	2 407	X	N
31311003	Yarn, all fibers	X	45 806	X	N
33999301	Buttons, zippers, and slide fasteners	X	5 431	X	N
31611001	Finished leather	X	148 047	X	N
31332001	Plastics coated, impregnated, or laminated fabricsmil sq yd..	S	84 226	X	N
31500000	Garments purchased to be printed and resold	X	4 554	X	N
32591011	Printing ink, for printing on garments	X	2 083	X	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.mil lb..	D	D	X	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	13 513	X	N
32520003	Manmade fibers, staple, and tow	X	4 483	X	N
00970099	All other materials and components, parts, containers, and supplies	X	143 243	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	D	X	N
	316110, LEATHER & HIDE TANNING & FINISHING				
31161119	Hides, skins, and pelts	X	1 498 738	X	1 217 550
32500025	Tanning materials, dressings, dyes, and finishing agents	X	257 834	X	281 522
31611003	Finished upper leather	X	69 786	X	129 234
31611011	Finished soling leather	X	D	X	33 116
31611007	All other finished leather	X	19 107	X	16 867
00970099	All other materials and components, parts, containers, and supplies	X	84 938	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	81 565	X	N
	316211, RUBBER & PLASTICS FOOTWEAR MFG				
11321001	Natural rubber	X	12 109	X	18 745
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	49 660	X	18 970
32521201	Synthetic rubber, including vulcanizable elastomers	X	14 008	X	19 960
32510055	Rubber processing chemicals (accelerators, antioxidants, blowing agents, inhibitors, peptizers, etc.)	X	8 039	X	13 394
32510059	Plasticizers	X	D	X	6 731
32510085	All other industrial organic chemicals	X	D	X	4 092
32552003	Glues and adhesives	X	2 706	X	2 325
32500053	All other chemical and allied products	X	5 943	X	D
31320003	Textile fabrics	X	53 616	X	81 693
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies	X	13 677	X	15 073

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		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
316211, RUBBER & PLASTICS FOOTWEAR MFG—Con.					
32600055	Soles and heels of rubber and plastic	X	55 298	X	N
32600035	Composition cut stock and findings	X	D	X	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	D	X	N
31611005	Other finished leather	—	—	X	N
31699905	Leather and other material cut stock and findings except outsoles and innersoles	X	15 047	X	N
32600057	Other parts of plastics and natural and synthetic rubber	X	15 725	X	N
31611009	Finished upper leather	S	26 686	X	N
31699903	Outer soles and innersoles of leather, either as finished soles or blockers	X	2 365	X	N
31611011	Finished soling leather	D	D	X	N
31332001	Plastics coated, impregnated, or laminated fabrics	X	7 399	X	N
00190095	Sewn uppers, bought from others, not manufactured with materials produced in the same establishment	X	41 484	X	N
00970099	All other materials and components, parts, containers, and supplies	X	8 730	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	15 449	X	61 142
316212, HOUSE SLIPPER MFG					
31332001	Plastics coated, impregnated, or laminated fabrics	X	17 096	X	27 051
32600057	Other parts of plastics and natural and synthetic rubber	X	D	X	4 545
32600035	Composition cut stock and findings	X	D	X	D
31699905	Leather and other material cut stock and findings except outsoles and innersoles	X	D	X	767
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	D	X	D
31611009	Finished upper leather	S	17 521	11.6	16 520
31611011	Finished soling leather	D	D	.6	2 692
31611005	Other finished leather	D	D	X	D
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies	X	2 581	X	4 898
32521201	Synthetic rubber, including vulcanizable elastomers	X	D	X	N
11321001	Natural rubber	X	—	X	N
32500053	All other chemical and allied products	X	—	X	N
32510059	Plasticizers	X	—	X	N
31320003	Textile fabrics	X	7 523	X	N
00190095	Sewn uppers, bought from others, not manufactured with materials produced in the same establishment	X	D	X	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	D	X	N
32600055	Soles and heels of rubber and plastic	X	1 186	X	N
32510055	Rubber processing chemicals (accelerators, antioxidants, blowing agents, inhibitors, peptizers, etc.)	X	—	X	N
32510085	All other industrial organic chemicals	X	—	X	N
31699903	Outer soles and innersoles of leather, either as finished soles or blockers	X	—	X	N
32552003	Glues and adhesives	X	507	X	N
00970099	All other materials and components, parts, containers, and supplies	X	16 213	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	2 626	X	779
316213, MEN'S FOOTWEAR (EXCEPT ATHLETIC) MFG					
31332001	Plastics coated, impregnated, or laminated fabrics	X	15 596	X	34 068
32600057	Other parts of plastics and natural and synthetic rubber	X	10 765	X	24 035
32600035	Composition cut stock and findings	X	30 552	X	32 742
31699905	Leather and other material cut stock and findings except outsoles and innersoles	X	D	X	67 093
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	5 651	X	D
31611009	Finished upper leather	S	321 777	P195.8	485 223
31611011	Finished soling leather	S	32 483	25.2	61 427
31611005	Other finished leather	28.7	14 577	X	38 846
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies	X	20 520	X	D
00190095	Sewn uppers, bought from others, not manufactured with materials produced in the same establishment	X	35 070	X	N
11321001	Natural rubber	X	D	X	N
32510059	Plasticizers	X	—	X	N
32510085	All other industrial organic chemicals	X	D	X	N
31320003	Textile fabrics	X	31 971	X	N
31699903	Outer soles and innersoles of leather, either as finished soles or blockers	X	19 906	X	N
32500053	All other chemical and allied products	X	6 608	X	N
32510055	Rubber processing chemicals (accelerators, antioxidants, blowing agents, inhibitors, peptizers, etc.)	X	2 114	X	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	9 885	X	N
32552003	Glues and adhesives	X	11 534	X	N
32600055	Soles and heels of rubber and plastic	X	49 011	X	N
32521201	Synthetic rubber, including vulcanizable elastomers	X	489	X	N
00970099	All other materials and components, parts, containers, and supplies	X	104 618	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	38 050	X	15 477
316214, WOMEN'S FOOTWEAR (EXCEPT ATHLETIC) MFG					
31332001	Plastics coated, impregnated, or laminated fabrics	X	16 724	X	32 123
32600057	Other parts of plastics and natural and synthetic rubber	X	D	X	16 914
32600035	Composition cut stock and findings	X	12 956	X	D
31699905	Leather and other material cut stock and findings except outsoles and innersoles	X	2 111	X	22 505
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	1 160	X	D
31611009	Finished upper leather	S	91 590	68.7	184 889
31611011	Finished soling leather	92.7	16 814	P31.5	36 249
31611005	Other finished leather	D	D	X	D
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies	X	25 699	X	14 654
31320003	Textile fabrics	X	10 101	X	N
32510059	Plasticizers	X	—	X	N
32521201	Synthetic rubber, including vulcanizable elastomers	X	D	X	N
32510055	Rubber processing chemicals (accelerators, antioxidants, blowing agents, inhibitors, peptizers, etc.)	X	—	X	N
32552003	Glues and adhesives	X	2 638	X	N

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		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	316214, WOMEN'S FOOTWEAR (EXCEPT ATHLETIC) MFG—Con.				
32510085	All other industrial organic chemicals	X	D	X	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	D	X	N
00190095	Sewn uppers, bought from others, not manufactured with materials produced in the same establishment	X	D	X	N
32600055	Soles and heels of rubber and plastic	X	9 526	X	N
31699903	Outer soles and innersoles of leather, either as finished soles or blockers	X	D	X	N
32500053	All other chemical and allied products	X	2 551	X	N
00970099	All other materials and components, parts, containers, and supplies	X	27 662	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	45 784	X	16 118
	316219, OTHER FOOTWEAR MFG				
31332001	Plastics coated, impregnated, or laminated fabrics	X	2 902	X	21 883
32600057	Other parts of plastics and natural and synthetic rubber	X	D	X	12 906
32600035	Composition cut stock and findings	X	1 090	X	D
31699905	Leather and other material cut stock and findings except outsoles and innersoles	X	731	X	16 557
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	D	X	D
31611009	Finished upper leather	16.6	22 843	19.2	38 186
31611011	Finished soling leather	1.6	3 777	S	7 250
31611005	Other finished leather	D	D	X	422
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies	X	2 810	X	7 678
11321001	Natural rubber	X	D	X	N
32500053	All other chemical and allied products	X	D	X	N
32510085	All other industrial organic chemicals	X	D	X	N
32510059	Plasticizers	X	—	X	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	D	X	N
31699903	Outer soles and innersoles of leather, either as finished soles or blockers	X	1 837	X	N
32600055	Soles and heels of rubber and plastic	X	2 816	X	N
32521201	Synthetic rubber, including vulcanizable elastomers	X	D	X	N
32552003	Glues and adhesives	X	1 169	X	N
32510055	Rubber processing chemicals (accelerators, antioxidants, blowing agents, inhibitors, peptizers, etc.)	X	—	X	N
31320003	Textile fabrics	X	1 868	X	N
00190095	Sewn uppers, bought from others, not manufactured with materials produced in the same establishment	X	D	X	N
00970099	All other materials and components, parts, containers, and supplies	X	14 924	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	15 839	X	4 299
	316991, LUGGAGE MFG				
31321023	Broadwoven fabrics (piece goods)	X	84 607	X	66 056
31332001	Plastics coated, impregnated, or laminated fabrics	X	33 295	X	85 183
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	8 152	X	9 456
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	30 874	X	19 409
31611001	Finished leather	X	52 633	X	38 472
33251017	Trunk and luggage hardware, including locks	X	38 021	X	37 906
00970099	All other materials and components, parts, containers, and supplies	X	66 104	X	D
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	63 411	X	D
	316992, WOMEN'S HANDBAG & PURSE MFG				
31321023	Broadwoven fabrics (piece goods)	X	4 333	X	7 647
31332001	Plastics coated, impregnated, or laminated fabrics	X	9 912	X	8 793
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	D	X	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	3 065	X	6 258
31611001	Finished leather	X	54 097	X	82 018
33251017	Trunk and luggage hardware, including locks	X	1 573	X	D
00970099	All other materials and components, parts, containers, and supplies	X	D	X	D
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	17 299	X	24 434
	316993, PERSONAL LEATHER GOOD (EXCEPT WOMEN'S HANDBAG & PURSE) MFG				
31321023	Broadwoven fabrics (piece goods)	X	14 724	X	13 304
31332001	Plastics coated, impregnated, or laminated fabrics	X	12 796	X	10 928
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	D	X	242
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	D	X	2 093
31611001	Finished leather	X	42 296	X	42 586
33251017	Trunk and luggage hardware, including locks	X	2 115	X	2 135
00970099	All other materials and components, parts, containers, and supplies	X	73 229	X	52 141
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	—28 250	X	8 791
	316999, ALL OTHER LEATHER GOOD MFG				
31161119	Hides, skins, and pelts	X	D	X	N
32500025	Tanning materials, dressings, dyes, and finishing agents	X	D	X	N
31611003	Finished upper leather	X	D	X	N
31611011	Finished soling leather	X	D	X	N
31611007	All other finished leather	X	4 003	X	N
31321023	Broadwoven fabrics (piece goods)	X	15 096	X	12 709
31332001	Plastics coated, impregnated, or laminated fabrics	X	6 827	X	4 360
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	331	X	198
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	4 449	X	5 530
31611001	Finished leather	X	66 186	X	63 547
33251017	Trunk and luggage hardware, including locks	X	4 329	X	1 239
00970099	All other materials and components, parts, containers, and supplies	X	131 870	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	95 652	X	N

Table 1. Materials Consumed by Kind by Industry: 1997 and 1992—Con.

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	321113, SAWMILLS				
11311000	Stumpage cost (cost of timber, excluding land, cut and consumed at same establishment).....	X	2 198 406	X	N
11331015	Hardwood logs and bolts..... mil bd ft Intl 1/4 in. scale..	S	1 375 891	N	N
11331017	Softwood logs and bolts mil bd ft Intl 1/4 in. scale..	S	6 722 869	N	N
32100023	Hardwood rough lumber mil bd ft..	^Q 237.0	152 355	N	N
32100029	Softwood rough lumber mil bd ft..	^P 442.9	162 919	N	N
32100027	Hardwood dressed lumber mil bd ft..	S	21 214	N	N
32100033	Softwood dressed lumber mil bd ft..	^P 270.0	116 884	N	N
32552003	Glues and adhesives mil lb..	S	13 770	N	N
00970099	All other materials and components, parts, containers, and supplies	X	621 137	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	3 395 267	X	N
	321114, WOOD PRESERVATION				
11331013	Poles, piling, and other round or hewn wood products	X	258 552	X	216 252
32100023	Hardwood rough lumber mil bd ft..	X	217 630	X	132 317
32100029	Softwood rough lumber mil bd ft..	^P 1 492.4	649 353	S	362 937
32100021	Dressed lumber mil bd ft..	3 142.4	1 436 824	^P 1 704.1	540 894
32519219	Creosote oil consumed in the same establishment mil gal..	^P 41.7	36 215	^Q 46.7	38 335
32519203	Pentachlorophenol mil gal..	X	23 636	X	23 985
32518801	Waterborne preservatives mil lb (oxide basis)..	^Q 95.0	101 771	S	77 952
00970099	All other materials and components, parts, containers, and supplies	X	71 366	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	607 522	X	311 859
	321211, HARDWOOD VENEER & PLYWOOD MFG				
11311000	Stumpage cost (cost of timber, excluding land, cut and consumed at same establishment).....	X	26 302	X	43 145
11331015	Hardwood logs and bolts..... mil bd ft Intl 1/4 in. scale..	S	309 087	N	183 229
11331017	Softwood logs and bolts mil bd ft Intl 1/4 in. scale..	S	42 344	N	54 810
32121105	Hardwood veneer mil sq ft sm..	S	442 298	2 583.3	351 179
32121203	Softwood veneer..... mil sq ft (1 in. basis)..	S	93 743	867.9	61 515
32121101	Hardwood plywood..... mil sq ft sm..	S	98 729	S	131 653
32121903	Particleboard (wood) mil sq ft (3/4 in. basis)..	^P 162.2	51 545	^Q 181.6	43 209
32121907	Medium density fiberboard (MDF) mil sq ft (3/4 in. basis)..	S	70 397	^P 109.5	34 872
32552003	Glues and adhesives mil lb..	X	43 926	X	29 121
00970099	All other materials and components, parts, containers, and supplies	X	101 310	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	328 352	X	150 611
	321212, SOFTWOOD VENEER & PLYWOOD MFG				
11311000	Stumpage cost (cost of timber, excluding land, cut and consumed at same establishment).....	X	346 854	X	440 456
11331015	Hardwood logs and bolts..... mil bd ft Intl 1/4 in. scale..	S	64 617	N	26 595
11331017	Softwood logs and bolts mil bd ft Intl 1/4 in. scale..	S	2 145 934	N	1 479 952
32121105	Hardwood veneer mil sq ft sm..	S	27 355	^P 224.1	28 514
32121203	Softwood veneer..... mil sq ft (1 in. basis)..	715.4	362 996	S	402 295
32552003	Glues and adhesives mil lb..	X	207 593	X	197 326
00970099	All other materials and components, parts, containers, and supplies	X	270 204	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	279 534	X	94 117
	321213, ENGINEERED WOOD MEMBER (EXCEPT TRUSS) MFG				
32100033	Softwood dressed lumber mil bd ft..	^P 364.1	186 789	N	N
32121901	Reconstituted wood products, including particleboard, oriented strandboard, medium density fiberboard, and hardboard	X	88 732	X	N
00970099	All other materials and components, parts, containers, and supplies	X	568 160	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	25 921	X	N
	321214, TRUSS MFG				
32100023	Hardwood rough lumber mil bd ft..	X	118 469	X	N
32100029	Softwood rough lumber mil bd ft..	S	219 565	N	N
32100027	Hardwood dressed lumber mil bd ft..	S	63 174	N	N
32100033	Softwood dressed lumber mil bd ft..	^P 1 501.3	649 414	N	N
32121901	Reconstituted wood products, including particleboard, oriented strandboard, medium density fiberboard, and hardboard	X	12 868	X	N
33231201	Fabricated structural iron, steel, and aluminum including truss plates	X	81 172	X	N
00970099	All other materials and components, parts, containers, and supplies	X	66 353	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	589 416	X	N
	321219, RECONSTITUTED WOOD PRODUCT MFG				
11331019	Logs and bolts..... mil bd ft Intl 1/4 in. scale..	S	80 891	D	D
11331021	Pulpwood..... 1,000 standard cords..	^P 6 811.0	400 579	D	D
32100015	Chips, slabs, edgings, sawdust, and other wood waste, except planer shavings 1,000 s tons..	8 062.4	243 438	5 767.8	174 538
32100017	Planer shavings 1,000 s tons..	4 258.9	156 008	4 376.2	139 696
32121909	Hardboard mil sq ft (3/4 in. basis)..	X	91 365	X	37 827
32121907	Medium density fiberboard (MDF) mil sq ft (3/4 in. basis)..	S	62 923	^P 93.3	30 095
32121903	Particleboard (wood) mil sq ft (3/4 in. basis)..	S	186 598	^P 477.0	106 384
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products 1,000 gallons..	^P 8 083.6	69 488	^Q 7 496.9	62 169
32552007	Urethane adhesives mil lb (dry basis)..	S	36 078	N	N
32521141	Urea and melamine resins mil lb (dry basis)..	^P 2 465.1	331 136	^P 1 617.2	184 524

Table 1. **Materials Consumed by Kind by Industry: 1997 and 1992—Con.**

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	321219, RECONSTITUTED WOOD PRODUCT MFG—Con.				
32521143	Phenolic and other tar acid resins mil lb (dry basis) . .	9446.9	172 516	9462.2	114 166
32410009	Petroleum wax mil lb (dry basis) . .	9334.2	61 173	P266.1	44 672
00190054	Vinyl and paper overlays mil sq ft sm. .	S	98 570	P1 688.8	86 769
32521113	All other plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	8 823	X	27 679
00970099	All other materials and components, parts, containers, and supplies	X	272 641	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	256 926	X	97 270
	321911, WOOD WINDOW & DOOR MFG				
32100023	Hardwood rough lumber	X	80 222	X	N
32100029	Softwood rough lumber	X	140 502	X	N
32100027	Hardwood dressed lumber	X	61 840	X	N
32100033	Softwood dressed lumber	X	178 088	X	N
32191201	Softwood cut stock	X	579 073	X	N
32191203	Hardwood cut stock and dimension, excluding furniture frames	X	66 552	X	N
32121101	Hardwood plywood	X	120 095	X	N
32121201	Softwood plywood	X	35 032	X	N
32121105	Hardwood veneer	X	45 278	X	N
32121903	Particleboard (wood)	X	56 581	X	N
32121909	Hardboard	X	59 816	X	N
32121907	Medium density fiberboard (MDF)	X	40 458	X	N
32552003	Glues and adhesives	X	54 397	X	N
32721103	Glass (float, sheet and plate)	X	307 949	X	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	122 953	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	37 756	X	N
32351009	Builders' hardware (including door locks, locksets, lock trim, screen hardware, etc.)	X	210 947	X	N
00970099	All other materials and components, parts, containers, and supplies	X	561 695	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	1 739 328	X	N
	321912, CUT STOCK, RESAWING LUMBER, & PLANING				
11311000	Stumpage cost (cost of timber, excluding land, cut and consumed at same establishment)	X	26 335	X	N
11331015	Hardwood logs and bolts mil bd ft Intl 1/4 in. scale. .	S	96 710	N	N
11331017	Softwood logs and bolts mil bd ft Intl 1/4 in. scale. .	S	115 983	N	N
32100023	Hardwood rough lumber mil bd ft. .	9795.4	589 895	N	N
32100029	Softwood rough lumber mil bd ft. .	2 286.9	935 600	N	N
32100027	Hardwood dressed lumber mil bd ft. .	S	171 834	N	N
32100033	Softwood dressed lumber mil bd ft. .	S	751 339	N	N
00970099	All other materials and components, parts, containers, and supplies	X	117 343	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	794 287	X	N
	321918, OTHER MILL WORK (INCLUDING FLOORING)				
11331015	Hardwood logs and bolts	X	80 927	X	N
32100023	Hardwood rough lumber	X	562 285	X	N
32100029	Softwood rough lumber	X	217 457	X	N
32100027	Hardwood dressed lumber	X	78 346	X	N
32100033	Softwood dressed lumber	X	419 594	X	N
32191201	Softwood cut stock	X	75 824	X	N
32552003	Glues and adhesives	X	14 783	X	N
00970099	All other materials and components, parts, containers, and supplies	X	290 208	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	687 109	X	N
	321920, WOOD CONTAINER & PALLET MFG				
11331019	Logs and bolts mil bd ft Intl 1/4 in. scale. .	S	148 944	N	N
32100023	Hardwood rough lumber	X	401 513	X	N
32100029	Softwood rough lumber mil bd ft. .	S	131 836	N	N
32100027	Hardwood dressed lumber mil bd ft. .	P329.4	103 140	N	N
32100033	Softwood dressed lumber mil bd ft. .	9592.4	153 095	N	N
00970099	All other materials and components, parts, containers, and supplies	X	S	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	S	X	N
	321991, MANUFACTURED HOME (MOBILE HOME) MFG				
33100001	Metal mill shapes and forms, including castings (steel, aluminum, etc.)	X	59 373	X	40 879
33232203	Steel siding	X	51 962	X	N
33232205	Aluminum siding	X	28 096	X	N
32619903	Vinyl siding	X	139 996	X	N
33291300	Metal plumbing fixtures, fittings, and trim (including enameled) (except forgings)	X	97 339	X	40 095
33232101	Metal doors and door units, windows and window units	X	247 026	X	112 290
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	87 779	X	42 383
32612200	Plastics fabricated pipe and pipe fittings	X	121 013	X	50 103
32121003	Plywood	X	79 078	X	50 350
32121903	Particleboard (wood)	X	153 135	X	68 915
32121905	Oriented strand board (OSB) and waferboard	X	152 431	X	64 255
32742001	Gypsum building board: 5/16 inch thick	X	234 253	X	N
32742003	Gypsum building board: greater than 5/16 inch thick	X	85 598	X	N
32100021	Dressed lumber	X	681 978	X	273 147
32191003	Wood millwork, including molding, doors, and windows	X	153 702	X	67 522
33711000	Kitchen cabinets, wood	X	133 473	X	50 443
31411001	Floor coverings, textile	X	189 691	X	83 307
32619200	Linoleum and other hard-surfaced floor covering	X	70 529	X	29 272
00190000	Heating equipment and air conditioners, including heat pumps	X	111 867	X	58 393
001900B3	Current-carrying wiring devices, including switches, connectors, lampholders, etc.	X	143 996	X	74 063
32799303	Mineral fiber blankets, batts, and boards	X	109 463	X	64 778
00190046	Loose fill insulating materials (mineral fiber, cellulose fiber, and other)	X	47 272	X	28 551
33251009	Builders' hardware (including door locks, locksets, lock trim, screen hardware, etc.)	X	72 173	X	30 286
33710003	Household-type furniture, including tables, sofas, beds, mattresses, etc.	X	47 429	X	32 953
001900B2	Household appliances, including refrigerators, cooking equipment, and other household appliances, exc. air conditioners	X	307 029	X	132 740

MANUFACTURING

MATERIALS CONSUMED SUMMARY 29

Table 1. Materials Consumed by Kind by Industry: 1997 and 1992—Con.

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	321991, MANUFACTURED HOME (MOBILE HOME) MFG—Con.				
32621003	Pneumatic tires and inner tubes	X	81 633	X	42 627
33600003	Trailer axles, wheels, brakes, undercarriages, and other metal vehicular parts	X	325 879	X	157 187
00970099	All other materials and components, parts, containers, and supplies	X	457 579	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	1 527 376	X	564 596
	321992, PREFABRICATED WOOD BUILDING MFG				
32100023	Hardwood rough lumber	X	44 019	X	24 620
32100029	Softwood rough lumber	S	92 578	189.8	60 821
32100027	Hardwood dressed lumber	S	17 254	S	12 495
32100033	Softwood dressed lumber	549.0	229 587	325.0	127 951
32121201	Softwood plywood	S	48 010	113.9	37 733
32742005	Gypsum building board	X	21 810	X	16 734
33251009	Builders' hardware (including door locks, locksets, lock trim, screen hardware, etc.)	X	23 735	X	15 525
32799301	Mineral wool insulation (fibrous glass, rock wool, etc.)	X	15 863	X	13 474
00190056	Windows and window units, including wood, metal, and vinyl	S	63 486	405.8	54 921
32191100	Wood doors and door units	X	30 150	X	14 975
33232103	Metal doors and door units	91.4	16 647	83.2	13 688
33711000	Kitchen cabinets, wood	X	40 253	X	30 311
32121901	Reconstituted wood products, including particleboard, oriented strandboard, medium density fiberboard, and hardboard	X	46 053	X	22 366
33232207	Metal siding, including aluminum, steel	X	59 912	X	38 987
33231201	Fabricated structural iron, steel, and aluminum including truss plates	X	19 585	X	15 482
001900B3	Current-carrying wiring devices, including switches, connectors, lampholders, etc.	X	17 671	X	17 471
31411001	Floor coverings, textile	X	17 818	X	18 550
00970099	All other materials and components, parts, containers, and supplies	X	170 546	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	624 666	X	448 394
	321999, ALL OTHER MISCELLANEOUS WOOD PRODUCT MFG				
11331015	Hardwood logs and bolts	S	72 653	N	N
32100023	Hardwood rough lumber	S	85 519	N	N
32100029	Softwood rough lumber	S	102 115	N	N
32100027	Hardwood dressed lumber	S	21 398	N	N
32100033	Softwood dressed lumber	S	71 185	N	N
32191203	Hardwood cut stock and dimension, excluding furniture frames	X	30 131	X	N
32100007	Chips, slabs, edgings, shavings, sawdust, and other wood waste	X	33 108	X	N
32121101	Hardwood plywood	S	27 547	N	N
32121201	Softwood plywood	S	22 259	N	N
32121901	Reconstituted wood products, including particleboard, oriented strandboard, medium density fiberboard, and hardboard	X	21 266	X	N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	1 270.6	15 982	N	N
33200005	Fabricated metal products, including forgings	X	23 068	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	40 060	X	N
00970099	All other materials and components, parts, containers, and supplies	X	194 065	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	822 336	X	N
	322110, PULP MILLS				
11331005	Spruce and true fir pulpwood bolts and logs	D	D	D	D
11331007	Hemlock pulpwood bolts and logs	D	D	1 183.8	94 864
11331009	Southern pine pulpwood bolts and logs	3 059.4	241 385	4 669.2	301 477
11331023	Other softwood pulpwood bolts and logs, including Douglas fir and Jack pine	D	D	D	D
32100009	Softwood pulpwood wood chips, slabs, cores, sawdust, bark, and other mill residues	3 026.2	257 514	4 940.6	459 838
11331011	Southern mixed hardwood pulpwood bolts and logs	D	D	2 866.6	175 296
11331025	Other hardwood pulpwood bolts and logs	D	D	1 270.6	80 636
32100011	Hardwood pulpwood wood chips, slabs, cores, sawdust, bark, and other mill residues	1 199.7	94 581	1 939.1	131 853
32518103	Chlorine (100 percent Cl basis)	63.9	13 576	268.6	24 197
32518107	Sodium hydroxide (caustic soda)(100 percent NaOH)	430.3	79 515	688.8	178 918
32518823	Sodium chlorate (100 percent NaClO3)	169.8	54 820	281.6	96 327
32510007	Other sodium compounds	X	11 765	X	10 916
32518813	Aluminum sulfate (17 percent Al2O3)	10.8	1 170	20.6	2 340
32599811	Rosin sizing	—	—	9.1	3 801
32741003	Lime	132.5	8 815	314.1	21 055
21232400	Kaolin and ball clay	D	D	114.8	17 317
31122113	Starch	D	D	67.2	12 177
32521131	Synthetic resins	D	D	D	D
32513103	Titanium dioxide, composite and pure (100 percent TiO2)	D	D	16.7	14 371
32518829	Calcium carbonate, precipitated (100 percent CaCO2)	—	—	D	D
32500009	All other chemicals, including organic	X	98 221	X	155 742
32210029	Woodpulp produced at affiliated or associated mills at other locations	—	—	D	D
32210031	Woodpulp purchased market wood pulp	D	D	42.6	21 261
00190006	Mixed wastepaper, except plant's own broke paper	630.4	79 372	D	D
00190007	Mechanical news wastepaper, except plant's own broke paper	—	—	N	N
00190072	Other mechanical wastepaper, except plant's own broke paper	—	—	N	N
00190073	Corrugated wastepaper, including kraft, except plant's own broke paper	D	D	14.2	925
00190009	High grade pulp substitutes wastepaper, except plant's own broke paper	D	D	D	D
00190010	High grade deinking wastepaper, except plant's own broke paper	D	D	D	D

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		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	322110, PULP MILLS—Con.				
31122305	Cotton linters (net weight) mil lb	D	D	429.7	44 872
32210033	Linter pulp 1,000 s tons	—	—	N	N
00190015	Other fibrous materials, including rags, straw, and bagasse 1,000 s tons	D	D	D	D
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	—	X	N
31323001	Nonwoven fabrics mil sq yd	—	—	N	N
001900A2	Packaging paper and plastics film, coated, laminated, printed, etc.	X	5 398	X	N
32552003	Glues and adhesives mil lb	.4	492	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	D	X	3 278
00970099	All other materials and components, parts, containers, and supplies	X	156 863	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	24 614	X	8 660
	322121, PAPER (EXCEPT NEWSPRINT) MILLS				
11331005	Spruce and true fir pulpwood bolts and logs 1,000 standard cords	1 203.9	130 244	N	N
11331007	Hemlock pulpwood bolts and logs 1,000 standard cords	683.1	54 854	N	N
11331009	Southern pine pulpwood bolts and logs 1,000 standard cords	10 905.4	572 060	N	N
11331023	Other softwood pulpwood bolts and logs, including Douglas fir and Jack pine 1,000 standard cords	2 368.6	122 711	N	N
32100009	Softwood pulpwood wood chips, slabs, cores, sawdust, bark, and other mill residues 1,000 standard cords	10 211.5	681 989	N	N
11331011	Southern mixed hardwood pulpwood bolts and logs 1,000 standard cords	P7 743.4	431 852	N	N
11331025	Other hardwood pulpwood bolts and logs 1,000 standard cords	8 933.0	489 739	N	N
32100011	Hardwood pulpwood wood chips, slabs, cores, sawdust, bark, and other mill residues 1,000 standard cords	8 416.1	562 000	N	N
32518103	Chlorine (100 percent Cl basis) 1,000 s tons	365.0	82 021	N	N
32518107	Sodium hydroxide (caustic soda)(100 percent NaOH) 1,000 s tons	1 257.8	247 702	N	N
32518823	Sodium chlorate (100 percent NaClO3) 1,000 s tons	682.9	241 576	N	N
32510007	Other sodium compounds	X	45 345	X	N
32518813	Aluminum sulfate (17 percent Al2O3) 1,000 s tons	149.6	19 616	N	N
32599811	Rosin sizing mil lb (dry basis)	188.5	93 225	N	N
32741003	Lime 1,000 s tons	734.3	40 967	N	N
21232400	Kaolin and ball clay 1,000 s tons	2 036.2	322 274	N	N
31122113	Starch mil lb	2 192.1	419 869	N	N
32521131	Synthetic resins mil lb	425.1	279 707	N	N
32513103	Titanium dioxide, composite and pure (100 percent TiO2) mil lb	382.7	326 403	N	N
32518829	Calcium carbonate, precipitated (100 percent CaCO2) 1,000 s tons	1 832.8	261 717	N	N
32500009	All other chemicals, including organic	X	1 473 728	X	N
32210029	Woodpulp produced at affiliated or associated mills at other locations 1,000 s tons (dry basis)	1 980.7	889 868	N	N
32210031	Woodpulp purchased market wood pulp 1,000 s tons (dry basis)	7 825.0	3 259 888	N	N
00190006	Mixed wastepaper, except plant's own broke paper 1,000 s tons	1 819.1	367 079	N	N
00190007	Mechanical news wastepaper, except plant's own broke paper 1,000 s tons	446.6	22 997	N	N
00190072	Other mechanical wastepaper, except plant's own broke paper 1,000 s tons	313.3	38 654	N	N
00190073	Corrugated wastepaper, including kraft, except plant's own broke paper 1,000 s tons	1 597.1	235 975	N	N
00190009	High grade pulp substitutes wastepaper, except plant's own broke paper 1,000 s tons	439.7	133 513	N	N
00190010	High grade deinking wastepaper, except plant's own broke paper 1,000 s tons	P1 448.3	282 329	N	N
31122305	Cotton linters (net weight) mil lb	470.0	38 509	N	N
32210033	Linter pulp 1,000 s tons	S	27 455	N	N
00190015	Other fibrous materials, including rags, straw, and bagasse 1,000 s tons	284.2	106 516	N	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	52 209	X	N
31323001	Nonwoven fabrics mil sq yd	S	172 684	N	N
001900A2	Packaging paper and plastics film, coated, laminated, printed, etc.	X	413 098	X	N
32552003	Glues and adhesives mil lb	100.9	76 275	N	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	481 771	X	N
00970099	All other materials and components, parts, containers, and supplies	X	3 332 075	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	792 906	X	N
	322122, NEWSPRINT MILLS				
11331005	Spruce and true fir pulpwood bolts and logs 1,000 standard cords	819.1	73 149	N	N
11331007	Hemlock pulpwood bolts and logs 1,000 standard cords	D	D	N	N
11331009	Southern pine pulpwood bolts and logs 1,000 standard cords	3 884.2	255 406	N	N
11331023	Other softwood pulpwood bolts and logs, including Douglas fir and Jack pine 1,000 standard cords	D	D	N	N
32100009	Softwood pulpwood wood chips, slabs, cores, sawdust, bark, and other mill residues 1,000 standard cords	1 855.7	148 846	N	N
11331011	Southern mixed hardwood pulpwood bolts and logs 1,000 standard cords	336.6	20 127	N	N
11331025	Other hardwood pulpwood bolts and logs 1,000 standard cords	D	D	N	N
32100011	Hardwood pulpwood wood chips, slabs, cores, sawdust, bark, and other mill residues 1,000 standard cords	589.0	38 462	N	N
32518103	Chlorine (100 percent Cl basis) 1,000 s tons	56.1	13 330	N	N
32518107	Sodium hydroxide (caustic soda)(100 percent NaOH) 1,000 s tons	165.8	28 261	N	N
32518823	Sodium chlorate (100 percent NaClO3) 1,000 s tons	34.3	12 485	N	N
32510007	Other sodium compounds	X	54 195	X	N
32518813	Aluminum sulfate (17 percent Al2O3) 1,000 s tons	83.3	14 944	N	N
32599811	Rosin sizing mil lb (dry basis)	13.9	5 460	N	N
32741003	Lime 1,000 s tons	79.3	5 455	N	N
21232400	Kaolin and ball clay 1,000 s tons	249.0	51 317	N	N
31122113	Starch mil lb	44.6	11 256	N	N
32521131	Synthetic resins mil lb	D	D	N	N
32513103	Titanium dioxide, composite and pure (100 percent TiO2) mil lb	3.2	2 878	N	N

Table 1. Materials Consumed by Kind by Industry: 1997 and 1992—Con.

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	322122, NEWSPRINT MILLS—Con.				
32518829	Calcium carbonate, precipitated (100 percent CaCO ₂)	13.8	2 579	N	N
32500009	All other chemicals, including organic	X	245 177	X	N
32210029	Woodpulp produced at affiliated or associated mills at other locations	1,000 s tons (dry basis) . .	D	N	N
32210031	Woodpulp purchased market wood pulp	1,000 s tons (dry basis) . .	D	N	N
00190006	Mixed wastepaper, except plant's own broke paper	346.1	169 226	N	N
00190007	Mechanical news wastepaper, except plant's own broke paper	273.1	26 303	N	N
00190072	Other mechanical wastepaper, except plant's own broke paper	3 123.7	229 807	N	N
00190073	Corrugated wastepaper, including kraft, except plant's own broke paper	276.4	19 707	N	N
00190009	High grade pulp substitutes wastepaper, except plant's own broke paper	152.4	22 893	N	N
00190010	High grade deinking wastepaper, except plant's own broke paper	D	D	N	N
		128.4	13 009	N	N
31122305	Cotton linters (net weight)	—	—	N	N
32210033	Linter pulp	—	—	N	N
00190015	Other fibrous materials, including rags, straw, and bagasse	—	—	N	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	D	X	N
31323001	Nonwoven fabrics	—	—	N	N
001900A2	Packaging paper and plastics film, coated, laminated, printed, etc.	X	36 124	X	N
32552003	Glues and adhesives	D	D	N	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	—	X	N
00970099	All other materials and components, parts, containers, and supplies	X	305 116	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	36 429	X	N
	322130, PAPERBOARD MILLS				
11331005	Spruce and true fir pulpwood bolts and logs	1,000 standard cords . .	D	480.6	39 628
11331007	Hemlock pulpwood bolts and logs	1,000 standard cords . .	D	D	D
11331009	Southern pine pulpwood bolts and logs	1,000 standard cords . .	16 584.7	1 409 503	15 610.9
11331023	Other softwood pulpwood bolts and logs, including Douglas fir and Jack pine	1,000 standard cords . .	D	D	1 138 011
32100009	Softwood pulpwood wood chips, slabs, cores, sawdust, bark, and other mill residues	1,000 standard cords . .	D	769.4	100 871
11331011	Southern mixed hardwood pulpwood bolts and logs	1,000 standard cords . .	P13 302.1	1 031 638	10 715.9
11331025	Other hardwood pulpwood bolts and logs	1,000 standard cords . .	4 745.9	363 157	3 980.5
32100011	Hardwood pulpwood wood chips, slabs, cores, sawdust, bark, and other mill residues	1,000 standard cords . .	P1 455.7	97 329	1 214.1
32518103	Chlorine (100 percent Cl basis)	7 364.0	401 339	4 158.2	266 187
32518107	Sodium hydroxide (caustic soda)(100 percent NaOH)	130.9	29 133	172.8	20 904
		894.3	142 395	717.6	174 132
32518823	Sodium chlorate (100 percent NaClO ₃)	254.8	89 849	142.5	50 507
32510007	Other sodium compounds	X	39 502	X	52 836
32518813	Aluminum sulfate (17 percent Al ₂ O ₃)	292.1	29 152	246.9	26 510
32599811	Rosin sizing	mil lb (dry basis) . .	P143.7	P142.7	51 373
32741003	Lime	510.6	33 374	361.3	23 464
21232400	Kaolin and ball clay	1,000 s tons . .	526.1	70 909	56 346
31122113	Starch	mil lb . .	879.7	165 875	103 792
32521131	Synthetic resins	mil lb . .	298.0	145 941	90 341
32513103	Titanium dioxide, composite and pure (100 percent TiO ₂)	mil lb . .	85.2	89 338	85 297
32518829	Calcium carbonate, precipitated (100 percent CaCO ₂)	1,000 s tons . .	Q201.7	27 572	9 783
32500009	All other chemicals, including organic	X	541 253	X	410 434
32210029	Woodpulp produced at affiliated or associated mills at other locations	1,000 s tons (dry basis) . .	156.9	72 515	D
32210031	Woodpulp purchased market wood pulp	1,000 s tons (dry basis) . .	222.5	101 614	86.0
00190006	Mixed wastepaper, except plant's own broke paper	1,000 s tons . .	P1 951.9	71 920	Q1 215.2
00190007	Mechanical news wastepaper, except plant's own broke paper	1,000 s tons . .	1 269.6	50 023	1 267.6
00190072	Other mechanical wastepaper, except plant's own broke paper	1,000 s tons . .	821.4	51 526	548.4
00190073	Corrugated wastepaper, including kraft, except plant's own broke paper	1,000 s tons . .	16 088.0	1 725 959	10 020.5
00190009	High grade pulp substitutes wastepaper, except plant's own broke paper	1,000 s tons . .	662.9	110 750	546.4
00190010	High grade deinking wastepaper, except plant's own broke paper	1,000 s tons . .	122.1	17 710	189.5
31122305	Cotton linters (net weight)	mil lb . .	D	D	D
32210033	Linter pulp	1,000 s tons . .	D	D	N
00190015	Other fibrous materials, including rags, straw, and bagasse	1,000 s tons . .	D	D	D
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	D	X	N
31323001	Nonwoven fabrics	mil sq yd . .	D	D	N
001900A2	Packaging paper and plastics film, coated, laminated, printed, etc.	X	40 769	X	N
32552003	Glues and adhesives	mil lb . .	S	977	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	91 427	X	57 546
00970099	All other materials and components, parts, containers, and supplies	X	1 203 162	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	307 734	X	99 131
	322211, CORRUGATED & SOLID FIBER BOX MFG				
32210005	Paper and paperboard, except boxes and containers	1,000 s tons . .	P32 394.3	11 407 691	P27 070.2
32610021	Fabricated plastics products, including closures, ends, film, and strapping, etc.	X	125 333	X	47 450
33120017	Steel sheet and strip, including tin plate	X	D	X	N
33131503	Aluminum sheet, plate, and foil	X	D	X	N
33211500	Metal closures and crowns for containers	X	1 438	X	N
32410009	Petroleum wax	mil lb . .	Q346.2	120 360	Q286.4
32552003	Glues and adhesives	S	202 072	X	214 446
32591003	Printing ink	mil lb . .	S	153 719	S
00970099	All other materials and components, parts, containers, and supplies	X	858 887	X	599 358
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	1 913 450	X	1 119 189

Table 1. Materials Consumed by Kind by Industry: 1997 and 1992—Con.

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	322212, FOLDING PAPERBOARD BOX MFG				
32210005	Paper and paperboard, except boxes and containers 1,000 s tons . .	94 978.8	3 071 644	94 718.2	2 947 345
32610021	Fabricated plastics products, including closures, ends, film, and strapping, etc.	X	50 322	X	29 969
33120017	Steel sheet and strip, including tin plate	X	D	X	N
33131503	Aluminum sheet, plate, and foil	X	20 303	X	N
33211500	Metal closures and crowns for containers	X	D	X	N
32410009	Petroleum wax mil lb.	12.3	6 440	S	5 667
32552003	Glues and adhesives	X	37 520	X	29 704
32591003	Printing ink mil lb.	P67.5	210 940	985.2	219 414
00970099	All other materials and components, parts, containers, and supplies	X	496 848	X	432 368
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	482 868	X	355 813
	322213, SETUP PAPERBOARD BOX MFG				
32210005	Paper and paperboard, except boxes and containers 1,000 s tons . .	S	109 286	S	85 936
32610021	Fabricated plastics products, including closures, ends, film, and strapping, etc.	X	5 307	X	2 343
33120017	Steel sheet and strip, including tin plate	X	27	X	N
33131503	Aluminum sheet, plate, and foil	X	713	X	N
33211500	Metal closures and crowns for containers	X	187	X	N
32410009	Petroleum wax mil lb.	-	-	N	N
32552003	Glues and adhesives	X	3 013	X	3 721
32591003	Printing ink mil lb.	S	1 166	S	2 293
00970099	All other materials and components, parts, containers, and supplies	X	31 655	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	41 670	X	55 699
	322214, FIBER CAN, TUBE, DRUM, & SIMILAR PRODUCTS MFG				
32210005	Paper and paperboard, except boxes and containers 1,000 s tons . .	P1 590.7	683 671	1 112.1	423 980
32610021	Fabricated plastics products, including closures, ends, film, and strapping, etc.	X	21 771	X	13 816
33120017	Steel sheet and strip, including tin plate	X	60 738	X	N
33131503	Aluminum sheet, plate, and foil	X	6 508	X	N
33211500	Metal closures and crowns for containers	X	81 783	X	N
32410009	Petroleum wax mil lb.	S	280	S	1 105
32552003	Glues and adhesives	X	48 312	X	31 140
32591003	Printing ink mil lb.	S	1 119	S	5 242
00970099	All other materials and components, parts, containers, and supplies	X	218 784	X	239 860
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	101 694	X	142 270
	322215, NONFOLDING SANITARY FOOD CONTAINER MFG				
32210005	Paper and paperboard, except boxes and containers 1,000 s tons . .	P1 330.6	1 031 160	1 236.0	975 792
32610021	Fabricated plastics products, including closures, ends, film, and strapping, etc.	X	42 349	X	37 628
33120017	Steel sheet and strip, including tin plate	X	D	X	N
33131503	Aluminum sheet, plate, and foil	X	D	X	N
33211500	Metal closures and crowns for containers	X	-	X	N
32410009	Petroleum wax mil lb.	90.5	29 168	115.6	36 247
32552003	Glues and adhesives	X	D	X	5 794
32591003	Printing ink mil lb.	P11.3	37 716	P12.9	34 176
00970099	All other materials and components, parts, containers, and supplies	X	172 252	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	62 689	X	116 818
	322221, COATED & LAMINATED PACKAGING PAPER & PLASTICS FILM MFG				
32212007	Paper 1,000 s tons . .	533.6	511 054	N	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc. mil lb.	135.2	76 944	N	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	76 512	X	N
33131509	Aluminum foil, plain mil lb.	23.7	42 849	N	N
32552003	Glues and adhesives	X	10 785	X	N
32591003	Printing ink mil lb.	P12.9	33 837	N	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	10 636	X	N
00970099	All other materials and components, parts, containers, and supplies	X	87 323	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	50 659	X	N
	322222, COATED & LAMINATED PAPER MFG				
32212007	Paper 1,000 s tons . .	92 101.7	2 249 078	N	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	310 534	X	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	379 854	X	N
31332007	Coated or laminated fabrics, including vinyl coated	X	178 330	X	N
32552003	Glues and adhesives	X	467 559	X	N
32591003	Printing ink	X	75 126	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	145 991	X	N
00970099	All other materials and components, parts, containers, and supplies	X	1 090 387	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	611 656	X	N
	322223, PLASTICS, FOIL, & COATED PAPER BAG MFG				
32212007	Paper 1,000 s tons . .	P124.5	129 621	N	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc. mil lb.	P12.8	7 392	N	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	19 865	X	N
33131509	Aluminum foil, plain mil lb.	3.1	4 333	N	N
32552003	Glues and adhesives	X	11 919	X	N
32591003	Printing ink mil lb.	3.4	8 668	N	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	6 408	X	N
00970099	All other materials and components, parts, containers, and supplies	X	28 679	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	13 548	X	N

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	322224, UNCOATED PAPER & MULTIWALL BAG MFG				
32212007	Paper 1,000 s tons . .	P1 700.2	1 030 582	P2 380.4	1 318 532
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc. mil lb . .	P104.0	50 380	P227.0	91 529
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	D	X	47 076
33131509	Aluminum foil, plain mil lb . .	D	D	N	N
32552003	Glues and adhesives	X	49 481	X	44 768
32591003	Printing ink mil lb . .	q34.1	67 670	P40.0	64 570
32221001	Paperboard containers, boxes, and corrugated paperboard	X	29 837	X	25 900
00970099	All other materials and components, parts, containers, and supplies	X	108 865	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	181 369	X	34 529
	322225, LAMINATED ALUMINUM FOIL MFG FOR FLEXIBLE PACKAGING USES				
33131507	Aluminum and aluminum-base alloy plain foil mil lb . .	P82.0	120 025	N	N
32222503	Aluminum foil, converted (quantity represents metal content) mil lb . .	q82.9	135 996	N	N
33200089	Other fabricated metal products (except forgings) mil lb . .	D	D	N	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	250 395	X	N
32500069	Other chemicals and allied products mil lb . .	D	D	N	N
32552005	Glues and adhesives, including synthetic resin adhesives mil lb . .	q30.3	39 737	N	N
32591003	Printing ink mil lb . .	27.6	57 721	N	N
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies	X	117 235	X	N
00970099	All other materials and components, parts, containers, and supplies	X	148 324	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	21 550	X	N
	322226, SURFACE-COATED PAPERBOARD MFG				
32210005	Paper and paperboard, except boxes and containers 1,000 s tons . .	1 023.7	598 591	N	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	94 274	X	N
32552003	Glues and adhesives	X	17 001	X	N
32591003	Printing ink	X	3 470	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	7 678	X	N
00970099	All other materials and components, parts, containers, and supplies	X	36 970	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	8 977	X	N
	322231, DIE-CUT PAPER & PAPERBOARD OFFICE SUPPLIES MFG				
32210005	Paper and paperboard, except boxes and containers 1,000 s tons . .	q913.4	638 487	N	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	16 501	X	N
32552003	Glues and adhesives	X	5 943	X	N
32591003	Printing ink	X	9 300	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	50 617	X	N
00970099	All other materials and components, parts, containers, and supplies	X	72 861	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	220 828	X	N
	322232, ENVELOPE MFG				
32210005	Paper and paperboard, except boxes and containers 1,000 s tons . .	P1 312.3	1 012 504	q1 110.0	787 531
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	95 119	X	N
32552003	Glues and adhesives	X	39 940	X	36 545
32591003	Printing ink	X	26 294	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	109 551	X	72 049
00970099	All other materials and components, parts, containers, and supplies	X	112 206	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	267 673	X	220 061
	322233, STATIONERY, TABLET, & RELATED PRODUCT MFG				
00190005	Recovered paper, all types	X	D	X	N
32210005	Paper and paperboard, except boxes and containers 1,000 s tons . .	840.0	669 517	q594.2	396 382
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	D	X	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	7 809	X	N
31332007	Coated or laminated fabrics, including vinyl coated	X	25 235	X	4 618
32552003	Glues and adhesives	X	7 987	X	4 688
32591003	Printing ink	X	3 342	X	3 953
32221001	Paperboard containers, boxes, and corrugated paperboard	X	80 506	X	21 729
00970099	All other materials and components, parts, containers, and supplies	X	76 756	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	66 037	X	155 240
	322291, SANITARY PAPER PRODUCT MFG				
32210027	Woodpulp (air dry basis) 1,000 s tons . .	303.6	195 016	N	N
32212007	Paper 1,000 s tons . .	P978.8	778 926	N	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc. mil lb . .	95.2	94 409	N	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	275 462	X	N
31323001	Nonwoven fabrics mil sq yd . .	P5 731.8	471 836	N	N
001900A2	Packaging paper and plastics film, coated, laminated, printed, etc.	X	119 935	X	N
32552003	Glues and adhesives mil lb . .	180.2	115 351	N	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	166 655	X	N
00970099	All other materials and components, parts, containers, and supplies	X	580 862	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	363 324	X	N
	322299, ALL OTHER CONVERTED PAPER PRODUCT MFG				
00190005	Recovered paper, all types	X	39 522	X	N
32210005	Paper and paperboard, except boxes and containers	X	589 513	X	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	5 135	X	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	17 985	X	N
31332007	Coated or laminated fabrics, including vinyl coated	X	6 363	X	N
32552003	Glues and adhesives	X	17 269	X	N
32591003	Printing ink	X	5 533	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	39 844	X	N

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	322299, ALL OTHER CONVERTED PAPER PRODUCT MFG—Con.				
00970099	All other materials and components, parts, containers, and supplies	X	394 654	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	445 057	X	N
	323110, COMMERCIAL LITHOGRAPHIC PRINTING				
32212203	Newsprint	X	1 218 520	X	N
32212009	Uncoated paper in sheets	X	1 142 820	X	N
32212011	Uncoated paper in rolls	X	2 075 071	X	N
32200011	Coated paper in sheets	X	1 867 288	X	N
32200013	Coated paper in rolls	X	2 247 303	X	N
32222200	Pressure-sensitive base stock, self-adhesive, including paper, film, foil, etc.	X	173 999	X	N
31320001	Cloth and nonwoven fabrics for hardbound book covers	X	32 135	X	N
32552003	Glues and adhesives	X	40 567	X	N
32591003	Printing ink	X	1 004 209	X	N
32599203	Light sensitive films and papers	X	226 323	X	N
32599201	Unexposed photosensitive printing plates	X	154 106	X	N
32312201	Printing plates, prepared for printing	X	187 253	X	N
32312209	Engraved printing cylinders for gravure printing	X	2 241	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	151 982	X	N
32223200	Purchased envelopes	X	213 641	X	N
00970099	All other materials and components, parts, containers, and supplies	X	1 136 750	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	4 786 970	X	N
	323111, COMMERCIAL GRAVURE PRINTING				
32212203	Newsprint	X	D	X	N
32212009	Uncoated paper in sheets	X	36 411	X	N
32212011	Uncoated paper in rolls	X	649 889	X	N
32200011	Coated paper in sheets	X	D	X	N
32200013	Coated paper in rolls	X	228 168	X	N
32222200	Pressure-sensitive base stock, self-adhesive, including paper, film, foil, etc.	X	43 830	X	N
31320001	Cloth and nonwoven fabrics for hardbound book covers	X	D	X	N
32552003	Glues and adhesives	X	6 112	X	N
32591003	Printing ink	X	447 335	X	N
32599203	Light sensitive films and papers	X	2 163	X	N
32599201	Unexposed photosensitive printing plates	X	1 982	X	N
32312201	Printing plates, prepared for printing	X	3 020	X	N
32312209	Engraved printing cylinders for gravure printing	X	11 082	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	16 636	X	N
32223200	Purchased envelopes	X	D	X	N
00970099	All other materials and components, parts, containers, and supplies	X	152 202	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	170 766	X	N
	323112, COMMERCIAL FLEXOGRAPHIC PRINTING				
32212203	Newsprint	X	D	X	N
32212009	Uncoated paper in sheets	X	14 175	X	N
32212011	Uncoated paper in rolls	X	97 609	X	N
32200011	Coated paper in sheets	X	11 700	X	N
32200013	Coated paper in rolls	X	164 891	X	N
32222200	Pressure-sensitive base stock, self-adhesive, including paper, film, foil, etc.	X	624 832	X	N
31320001	Cloth and nonwoven fabrics for hardbound book covers	X	D	X	N
32552003	Glues and adhesives	X	16 860	X	N
32591003	Printing ink	X	104 252	X	N
32599203	Light sensitive films and papers	X	6 398	X	N
32599201	Unexposed photosensitive printing plates	X	7 415	X	N
32312201	Printing plates, prepared for printing	X	31 634	X	N
32312209	Engraved printing cylinders for gravure printing	X	3 332	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	19 257	X	N
32223200	Purchased envelopes	X	2 254	X	N
00970099	All other materials and components, parts, containers, and supplies	X	317 464	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	451 914	X	N
	323113, COMMERCIAL SCREEN PRINTING				
32212203	Newsprint	X	1 222	X	N
32212009	Uncoated paper in sheets	X	13 339	X	N
32212011	Uncoated paper in rolls	X	2 684	X	N
32200011	Coated paper in sheets	X	27 323	X	N
32200013	Coated paper in rolls	X	7 130	X	N
32222200	Pressure-sensitive base stock, self-adhesive, including paper, film, foil, etc.	X	196 422	X	N
31320001	Cloth and nonwoven fabrics for hardbound book covers	X	4 727	X	N
32552003	Glues and adhesives	X	13 800	X	N
32591003	Printing ink	X	81 158	X	N
32599203	Light sensitive films and papers	X	8 009	X	N
32599201	Unexposed photosensitive printing plates	X	655	X	N
32312201	Printing plates, prepared for printing	X	3 043	X	N
32312209	Engraved printing cylinders for gravure printing	X	D	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	13 893	X	N
32223200	Purchased envelopes	X	1 977	X	N
31321003	Cotton broadwoven fabrics (piece goods)	S	33 286	X	N
31321013	Polyester broadwoven fabrics (piece goods)	S	10 520	X	N
31321009	Rayon and acetate broadwoven fabrics (piece goods)	D	D	X	N
31321021	Other broadwoven fabrics (piece goods)	D	5 308	X	N
31322103	Narrow fabrics (12 inches or less in width)	D	D	X	N
31311003	Yarn, all fibers	S	2 497	X	N
31332001	Plastics coated, impregnated, or laminated fabrics	S	S	X	N
31500000	Garments purchased to be printed and resold	X	632 285	X	N
00970099	All other materials and components, parts, containers, and supplies	X	443 522	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	881 941	X	N

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[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
323114, QUICK PRINTING					
32212203	Newsprint	X	3 150	X	N
32212009	Uncoated paper in sheets	X	107 230	X	N
32212011	Uncoated paper in rolls	X	10 887	X	N
32200011	Coated paper in sheets	X	24 454	X	N
32200013	Coated paper in rolls	X	1 951	X	N
32222200	Pressure-sensitive base stock, self-adhesive, including paper, film, foil, etc.	X	7 439	X	N
31320001	Cloth and nonwoven fabrics for hardbound book covers	X	—	X	N
32552003	Glues and adhesives	X	2 007	X	N
32591003	Printing ink	X	6 762	X	N
32599203	Light sensitive films and papers	X	3 211	X	N
32599201	Unexposed photosensitive printing plates	X	2 734	X	N
32312201	Printing plates, prepared for printing	X	3 563	X	N
32312209	Engraved printing cylinders for gravure printing	X	158	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	3 484	X	N
32223200	Purchased envelopes	X	32 047	X	N
00970099	All other materials and components, parts, containers, and supplies	X	65 146	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	838 047	X	N
323115, DIGITAL PRINTING					
32212203	Newsprint	X	—	X	N
32212009	Uncoated paper in sheets	X	5 113	X	N
32212011	Uncoated paper in rolls	X	D	X	N
32200011	Coated paper in sheets	X	3 996	X	N
32200013	Coated paper in rolls	X	635	X	N
32222200	Pressure-sensitive base stock, self-adhesive, including paper, film, foil, etc.	X	2 228	X	N
31320001	Cloth and nonwoven fabrics for hardbound book covers	X	—	X	N
32552003	Glues and adhesives	X	D	X	N
32591003	Printing ink	X	1 151	X	N
32599203	Light sensitive films and papers	X	944	X	N
32599201	Unexposed photosensitive printing plates	X	D	X	N
32312201	Printing plates, prepared for printing	X	D	X	N
32312209	Engraved printing cylinders for gravure printing	X	—	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	307	X	N
32223200	Purchased envelopes	X	344	X	N
00970099	All other materials and components, parts, containers, and supplies	X	8 563	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	86 962	X	N
323116, MANIFOLD BUSINESS FORM PRINTING					
32200015	Coated paper	X	273 953	X	N
32212019	Uncoated paper	X	971 572	X	1 376 095
32212021	Carbonless paper	X	527 997	X	N
32212023	Carbonizing tissue stock for conversion into one-time carbon paper	X	8 801	X	16 538
33994400	One-time carbon paper	X	26 169	X	55 119
32222200	Pressure-sensitive base stock, self-adhesive, including paper, film, foil, etc.	X	31 154	X	73 186
32591003	Printing ink	X	27 784	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	72 683	X	N
00970099	All other materials and components, parts, containers, and supplies	X	201 733	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	1 240 326	X	N
323117, BOOK PRINTING					
32212203	Newsprint	X	44 107	X	35 739
32212009	Uncoated paper in sheets	X	183 667	X	116 646
32212011	Uncoated paper in rolls	X	389 580	X	314 599
32200011	Coated paper in sheets	X	143 527	X	149 305
32200013	Coated paper in rolls	X	280 369	X	194 917
32222200	Pressure-sensitive base stock, self-adhesive, including paper, film, foil, etc.	X	20 285	X	14 494
31320001	Cloth and nonwoven fabrics for hardbound book covers	X	46 058	X	55 942
32552003	Glues and adhesives	X	32 401	X	29 327
32591003	Printing ink	X	69 164	X	65 043
32599203	Light sensitive films and papers	X	35 815	X	29 861
32599201	Unexposed photosensitive printing plates	X	38 342	X	23 592
32312201	Printing plates, prepared for printing	X	30 924	X	34 200
32312209	Engraved printing cylinders for gravure printing	X	D	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	62 002	X	60 180
32223200	Purchased envelopes	X	D	X	N
00970099	All other materials and components, parts, containers, and supplies	X	196 645	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	269 118	X	178 212
323118, BLANKBOOK, LOOSELEAF BINDER, & DEVICE MFG					
32200015	Coated paper	X	S	X	N
32212011	Uncoated paper in rolls	X	30 306	X	N
32212009	Uncoated paper in sheets	X	12 941	X	N
32213001	Paperboard (including news, chip, pasted, tablet, check, binders' board), except for shipping	X	90 660	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	39 611	X	N
31332005	Coated or impregnated woven and nonwoven fabrics, except rubberized	X	16 604	X	N
32311000	Metal and plastic looseleaf components, including ring type	X	90 289	X	N
32610001	Plastics film and sheet	X	164 288	X	N
001900D4	All other plastics consumed, except looseleaf devices and components	X	12 780	X	N
33120095	Steel, strip and wire	X	14 633	X	N
32591003	Printing ink	X	3 954	X	N
32212021	Carbonless paper	X	2 589	X	N
00970099	All other materials and components, parts, containers, and supplies	X	176 564	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	157 714	X	N
323119, OTHER COMMERCIAL PRINTING					
32212203	Newsprint	X	39 589	X	N
32212009	Uncoated paper in sheets	X	44 814	X	N
32212011	Uncoated paper in rolls	X	69 505	X	N
32200011	Coated paper in sheets	X	16 753	X	N
32200013	Coated paper in rolls	X	23 218	X	N
32222200	Pressure-sensitive base stock, self-adhesive, including paper, film, foil, etc.	X	101 098	X	N
31320001	Cloth and nonwoven fabrics for hardbound book covers	X	D	X	N
32552003	Glues and adhesives	X	970	X	N
32591003	Printing ink	X	14 470	X	N
32599203	Light sensitive films and papers	X	4 103	X	N

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[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	323119, OTHER COMMERCIAL PRINTING—Con.				
32599201	Unexposed photosensitive printing plates	X	2 711	X	N
32312201	Printing plates, prepared for printing	X	8 232	X	N
32312209	Engraved printing cylinders for gravure printing	X	D	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	7 340	X	N
32223200	Purchased envelopes	X	11 760	X	N
00970099	All other materials and components, parts, containers, and supplies	X	98 837	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	680 109	X	N
	323121, TRADEBINDING & RELATED WORK				
32200015	Coated paper	X	10 201	X	15 356
32212011	Uncoated paper in rolls	X	6 011	X	N
32212009	Uncoated paper in sheets	X	10 576	X	N
32213001	Paperboard (including news, chip, pasted, tablet, check, binders' board), except for shipping	X	19 017	X	13 124
32221001	Paperboard containers, boxes, and corrugated paperboard	X	29 514	X	10 781
31332005	Coated or impregnated woven and nonwoven fabrics, except rubberized	X	13 378	X	10 493
32311000	Metal and plastic looseleaf components, including ring type	X	3 791	X	5 255
32610001	Plastics film and sheet	X	5 149	X	5 344
001900D4	All other plastics consumed, except looseleaf devices and components	X	2 045	X	1 890
33120095	Steel, strip and wire	X	4 250	X	3 648
32212021	Carbonless paper	X	584	X	N
32591003	Printing ink	X	4 037	X	N
00970099	All other materials and components, parts, containers, and supplies	X	136 582	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	121 257	X	78 080
	323122, PREPRESS SERVICES				
33100005	Metal for printing plates	X	13 648	X	N
32599201	Unexposed photosensitive printing plates	X	39 087	X	N
32599211	Light sensitive films	X	93 901	X	N
32599213	Light sensitive papers (including photographic paper and diffusion transfer paper)	X	8 442	X	N
33331500	Color proofing materials	X	75 068	X	N
32212001	Paper, all types except light sensitive (including newsprint, book, bond, cover, and coated)	X	35 119	X	N
00970099	All other materials and components, parts, containers, and supplies	X	133 471	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	306 697	X	N
	324110, PETROLEUM REFINERIES				
21111103	Domestic crude petroleum, including lease condensate mil bbl. .	2 801.5	47 220 759	2 745.7	51 201 568
00999830	Foreign crude petroleum, including lease condensate mil bbl. .	2 495.9	48 172 988	2 231.8	39 635 397
00999827	Foreign unfinished oils (received from foreign countries for further processing) mil bbl. .	P127.1	2 373 376	81.7	1 477 273
21111205	Ethane (C2), at least 80 percent purity mil bbl. .	D	D	D	D
21111207	Propane (C3), at least 80 percent purity mil bbl. .	P18.0	269 928	24.2	285 071
21111203	Butane (C4), at least 80 percent purity mil bbl. .	80.1	1 567 875	105.8	1 815 270
21111021	Gas mixtures (C2, C3, C4) mil bbl. .	948.3	952 009	41.7	773 212
21111023	Isopentane and natural gasoline mil bbl. .	65.1	1 381 100	63.1	1 212 225
21111209	Other natural gas liquids, including plant condensate mil bbl. .	90.3	1 427 123	30.6	564 336
32411013	Benzol (benzene) (100 percent C6H6) mil bbl. .	4.2	132 027	3.8	141 585
32519213	Toluene and xylene (100 percent basis) mil bbl. .	S	230 359	3 031.1	312 916
32500017	Antioxidant, antiknock compound, and inhibitor additives mil bbl. .	S	262 228	447.4	348 863
32500019	Other additives, including soaps and detergents mil bbl. .	S	200 005	P246.0	169 655
31100013	Animal and vegetable oils mil lb. .	D	D	D	D
32518825	Chemical catalytic preparations mil bbl. .	X	647 040	X	543 623
32518107	Sodium hydroxide (caustic soda)(100 percent NaOH) 1,000 s tons. .	S	41 741	346.5	62 529
32518805	Sulfuric acid (100 percent H2SO4), except spent 1,000 s tons. .	S	56 514	1 742.2	117 434
33240000	Metal containers mil bbl. .	X	60 531	X	17 113
32610035	Plastics containers mil bbl. .	X	20 757	X	35 586
32220015	Paper and paperboard containers mil bbl. .	X	18 404	X	7 680
32221400	Fiber cans, bodies with combinations of fiber and other materials (foil, plastics, etc.) with metal ends mil bbl. .	X	D	X	D
32410007	Cost of materials received from petroleum refineries and lube manufacturers mil bbl. .	P226.8	4 981 370	264.0	4 712 799
00970099	All other materials and components, parts, containers, and supplies	X	3 850 071	X	4 480 452
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	4 779 890	X	247 238
	324121, ASPHALT PAVING MIXTURE & BLOCK MFG				
32212033	Roofing felts, unsaturated 1,000 s tons. .	—	—	N	N
32799203	Roofing granules 1,000 s tons. .	S	5 337	N	N
32721205	Glass fiber, textile type, bonded mat type, etc. mil lb. .	.1	445	N	N
32411025	Paving grade asphalts mil bbl. .	S	1 282 117	47.8	733 043
32411027	Roofing grade asphalts mil bbl. .	.5	9 949	9.3	4 013
32411029	Asphalts other than paving and roofing grade mil bbl. .	S	44 326	3.0	54 418
21232003	Sand and gravel 1,000 s tons. .	S	702 613	68 567.0	386 064
00970099	All other materials and components, parts, containers, and supplies	X	423 838	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	962 913	X	567 805
	324122, ASPHALT SHINGLE & COATING MATERIALS MFG				
32411025	Paving grade asphalts mil bbl. .	94.1	96 053	4.5	74 077
32411027	Roofing grade asphalts mil bbl. .	S	718 578	29.4	514 586
32411029	Asphalts other than paving and roofing grade mil bbl. .	S	68 713	S	39 666
32212033	Roofing felts, unsaturated 1,000 s tons. .	S	152 890	563.3	104 777
32721205	Glass fiber, textile type, bonded mat type, etc. mil lb. .	9614.0	368 335	S	347 300
32799203	Roofing granules 1,000 s tons. .	95 360.3	427 847	5 530.2	358 632
21232003	Sand and gravel 1,000 s tons. .	P2 777.9	53 676	2 394.5	48 547
00970099	All other materials and components, parts, containers, and supplies	X	646 875	X	510 021
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	246 280	X	130 808
	324191, PETROLEUM LUBRICATING OIL & GREASE MFG				
00999830	Foreign crude petroleum, including lease condensate mil bbl. .	D	D	N	N
21111103	Domestic crude petroleum, including lease condensate mil bbl. .	S	143 352	N	N
21111207	Propane (C3), at least 80 percent purity mil bbl. .	D	D	N	N
32519213	Toluene and xylene (100 percent basis) mil bbl. .	D	D	N	N
32500017	Antioxidant, antiknock compound, and inhibitor additives mil bbl. .	S	43 890	170.1	114 196
32500019	Other additives, including soaps and detergents mil bbl. .	S	437 372	530.2	420 776
31100013	Animal and vegetable oils mil lb. .	214.7	129 591	208.9	80 267
32518825	Chemical catalytic preparations mil lb. .	X	—	X	N

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	324191, PETROLEUM LUBRICATING OIL & GREASE MFG—Con.				
32518107	Sodium hydroxide (caustic soda)(100 percent NaOH)	1,000 s tons..	29.6	16.7	2 916
32518805	Sulfuric acid (100 percent H2SO4), except spent	1,000 s tons..	S	7.7	983
32400000	Metal containers		X	X	96 224
32610035	Plastics containers		X	X	206 436
32220015	Paper and paperboard containers		X	X	54 408
32221400	Fiber cans, bodies with combinations of fiber and other materials (foil, plastics, etc.) with metal ends		X	X	16 212
32410007	Cost of materials received from petroleum refineries and lube manufacturers	mil bbl..	S		
00970099	All other materials and components, parts, containers, and supplies		X	X	1 563 991
00971000	Materials, ingredients, containers, and supplies, n.s.k.		X	X	367 063
	324199, ALL OTHER PETROLEUM & COAL PRODUCTS MFG				
32518805	Sulfuric acid (100 percent H2SO4), except spent	1,000 s tons..	S	N	N
32410007	Cost of materials received from petroleum refineries and lube manufacturers	mil bbl..	S		
00970099	All other materials and components, parts, containers, and supplies		X	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.		X	X	N
	325110, PETROCHEMICAL MFG				
32518807	Hydrochloric acid (100 percent HCl)	1,000 s tons..	D	N	N
32518809	Hydrofluoric acid (100 percent HF)	1,000 s tons..	—	N	N
32531101	Nitric acid (100 percent HNO3)	1,000 s tons..	D	N	N
32518805	Sulfuric acid (100 percent H2SO4), except spent	1,000 s tons..	63.3	N	N
32531103	Ammonia, synthetic anhydrous (100 percent NH3)	1,000 s tons..	D	N	N
32518103	Chlorine (100 percent Cl basis)	1,000 s tons..	D	N	N
32518107	Sodium hydroxide (caustic soda)(100 percent NaOH)	1,000 s tons..	165.8	N	N
32500071	All other industrial inorganic chemicals		X	X	N
32512001	Acetylene and other industrial gases (compressed and liquified), including argon, carbon dioxide, nitrogen, etc.		X	X	N
32519300	Alcohol, ethyl (pure and denatured)		X	X	N
32510067	Other alcohols, including amyl, butyl, methyl, and propyl		X	X	N
32519213	Toluene and xylene (100 percent basis)	mil lb..	1 340.1	X	N
32519205	Phenol (100 percent basis)	mil lb..	D	N	N
32519231	Ortho and para-xylene (100 percent basis)	mil lb..	D	N	N
32411013	Benzol (benzene) (100 percent C6H6)	mil lb..	S	N	N
32519223	Tar, crude	1,000 s tons..	—	N	N
32519233	Other cyclic crudes and intermediates	mil lb..	D	N	N
32510075	Acetone (natural and synthetic)	mil lb..	D	N	N
325100A5	Other synthetic organic chemicals, n.e.c.		X	X	N
21111013	Natural gas used as a raw material	bil cu ft..	282.4	N	N
32411031	Ethane used as a raw material or feedstock	mil lb..	S	N	N
32411033	Ethylene used as a raw material or feedstock	mil lb..	908.8	N	N
32411035	Propane used as a raw material or feedstock	mil lb..	S	N	N
32411037	Propylene used as a raw material or feedstock	mil lb..	S	N	N
32411039	Butane and iso-butane used as a raw material or feedstock	mil lb..	P4 212.4	N	N
32411041	Butylene and iso-butylene used as a raw material or feedstock	mil lb..	S	N	N
00190012	Other hydrocarbons used as raw materials or feedstocks		X	X	N
21239303	Sulfur	1,000 l tons..	D	N	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	mil lb..	D	N	N
11100033	Agricultural products (crude), including flowers, grains, seeds, herbs, etc.		X	X	N
33300015	Parts and attachments for machinery and equipment		X	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard		X	X	N
33240000	Metal containers		X	X	N
00970099	All other materials and components, parts, containers, and supplies		X	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.		X	X	N
	325131, INORGANIC DYE & PIGMENT MFG				
32531201	Phosphoric acid, except spent (100 percent P2O5)	1,000 s tons..	3.5	N	N
32518805	Sulfuric acid (100 percent H2SO4), except spent	1,000 s tons..	P209.5	N	N
32518103	Chlorine (100 percent Cl basis)	1,000 s tons..	772.0	N	N
32518105	Sodium carbonate (soda ash) (58 percent Na2O)	1,000 s tons..	S	N	N
32518107	Sodium hydroxide (caustic soda)(100 percent NaOH)	1,000 s tons..	S	N	N
00190031	Salt in brine	1,000 s tons..	D	N	N
325000A5	Other industrial inorganic chemicals		X	X	N
32510091	Synthetic organic chemicals		X	X	N
21239303	Sulfur	1,000 l tons..	D	N	N
21220021	Iron and ferroalloy ores, including tungsten, chromite, manganese, molybdenum, and cobalt		X	X	N
21220023	Nonferrous metal ores, including copper, mercury, vanadium, titanium, platinum, etc.		X	X	N
21239001	All other crude chemical nonmetallic minerals, including barite, borate, potash, fluorspar, rock salt, etc.		X	X	N
32419903	Coke including breeze, used as a raw material	1,000 s tons..	387.5	N	N
33300015	Parts and attachments for machinery and equipment		X	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard		X	X	N
33240000	Metal containers		X	X	N
00970099	All other materials and components, parts, containers, and supplies		X	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.		X	X	N
	325132, SYNTHETIC ORGANIC DYE & PIGMENT MFG				
32518807	Hydrochloric acid (100 percent HCl)	1,000 s tons..	41.2	N	N
32531101	Nitric acid (100 percent HNO3)	1,000 s tons..	D	N	N
32518805	Sulfuric acid (100 percent H2SO4), except spent	1,000 s tons..	13 426.8	N	N
32531103	Ammonia, synthetic anhydrous (100 percent NH3)	1,000 s tons..	D	N	N
32518103	Chlorine (100 percent Cl basis)	1,000 s tons..	D	N	N
32518107	Sodium hydroxide (caustic soda)(100 percent NaOH)	1,000 s tons..	116.8	N	N
32500071	All other industrial inorganic chemicals		X	X	N
32512001	Acetylene and other industrial gases (compressed and liquified), including argon, carbon dioxide, nitrogen, etc.		X	X	N
32519300	Alcohol, ethyl (pure and denatured)		X	X	N
32510067	Other alcohols, including amyl, butyl, methyl, and propyl		X	X	N

Table 1. **Materials Consumed by Kind by Industry: 1997 and 1992—Con.**

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	325132, SYNTHETIC ORGANIC DYE & PIGMENT MFG—Con.				
32519213	Toluene and xylene (100 percent basis) mil lb. .	4.7	1 195	N	N
32519205	Phenol (100 percent basis) mil lb. .	1.6	639	N	N
32519231	Ortho and para-xylene (100 percent basis) mil lb. .	D	D	N	N
32519233	Other cyclic crudes and intermediates mil lb. .	S	178 903	N	N
32510075	Acetone (natural and synthetic) mil lb. .	D	D	N	N
325100A5	Other synthetic organic chemicals, n.e.c.	X	302 496	X	N
21111013	Natural gas used as a raw material bil cu ft. .	D	D	N	N
32411033	Ethylene used as a raw material or feedstock mil lb. .	D	D	N	N
32411035	Propane used as a raw material or feedstock mil lb. .	D	D	N	N
32411037	Propylene used as a raw material or feedstock mil lb. .	D	D	N	N
00190012	Other hydrocarbons used as raw materials or feedstocks	X	D	X	N
21239303	Sulfur 1,000 l tons. .	D	D	N	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc. mil lb. .	S	7 814	N	N
11100033	Agricultural products (crude), including flowers, grains, seeds, herbs, etc.	X	D	X	N
33300015	Parts and attachments for machinery and equipment	X	4 889	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	9 727	X	N
33240000	Metal containers	X	9 811	X	N
00970099	All other materials and components, parts, containers, and supplies	X	259 806	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	110 780	X	N
	325181, ALKALIES & CHLORINE MFG				
32531201	Phosphoric acid, except spent (100 percent P2O5) 1,000 s tons. .	D	D	N	N
32518805	Sulfuric acid (100 percent H2SO4), except spent 1,000 s tons. .	P53.5	3 284	P85.3	5 171
32518103	Chlorine (100 percent Cl basis) 1,000 s tons. .	D	D	N	N
32518837	Phosphorus, elemental (technical) 1,000 s tons. .	D	D	N	N
32518105	Sodium carbonate (soda ash) (58 percent Na2O) 1,000 s tons. .	D	D	N	N
32518107	Sodium hydroxide (caustic soda)(100 percent NaOH) 1,000 s tons. .	D	D	917.2	1 678
00190031	Salt in brine 1,000 s tons. .	5 664.3	67 912	P7 039.9	120 961
325000A5	Other industrial inorganic chemicals	X	D	X	9 625
32510091	Synthetic organic chemicals	X	D	X	D
21229903	Bauxite 1,000 s tons. .	—	—	N	N
21239200	Phosphate rock 1,000 s tons. .	—	—	N	N
21239303	Sulfur 1,000 l tons. .	D	D	D	N
21220021	Iron and ferroalloy ores, including tungsten, chromite, manganese, molybdenum, and cobalt	X	—	X	N
21220023	Nonferrous metal ores, including copper, mercury, vanadium, titanium, platinum, etc.	X	354	X	N
21239001	All other crude chemical nonmetallic minerals, including barite, borate, potash, fluorspar, rock salt, etc.	X	44 709	X	N
32419903	Coke including breeze, used as a raw material 1,000 s tons. .	—	—	N	N
33300015	Parts and attachments for machinery and equipment	X	22 297	X	D
32221001	Paperboard containers, boxes, and corrugated paperboard	X	D	X	D
33240000	Metal containers	X	D	X	5 335
00970099	All other materials and components, parts, containers, and supplies	X	98 875	X	D
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	56 327	X	D
	325182, CARBON BLACK MFG				
32411023	Carbon black feedstock mil bbl. .	13.9	245 546	13.5	179 783
21111013	Natural gas used as a raw material bil cu ft. .	P20.0	49 985	16.4	34 190
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies	X	9 070	X	7 316
00970099	All other materials and components, parts, containers, and supplies	X	38 545	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	25 449	X	N
	325188, ALL OTHER BASIC INORGANIC CHEMICAL MFG				
32531201	Phosphoric acid, except spent (100 percent P2O5) 1,000 s tons. .	362.7	142 744	N	N
32518805	Sulfuric acid (100 percent H2SO4), except spent 1,000 s tons. .	2 117.0	71 700	N	N
32518103	Chlorine (100 percent Cl basis) 1,000 s tons. .	223.0	42 689	N	N
32518837	Phosphorus, elemental (technical) 1,000 s tons. .	P102.2	145 962	N	N
32518105	Sodium carbonate (soda ash) (58 percent Na2O) 1,000 s tons. .	9574.7	85 193	N	N
32518107	Sodium hydroxide (caustic soda)(100 percent NaOH) 1,000 s tons. .	623.6	116 127	N	N
00190031	Salt in brine 1,000 s tons. .	D	D	N	N
325000A5	Other industrial inorganic chemicals	X	718 628	X	N
32510091	Synthetic organic chemicals	X	90 344	X	N
21229903	Bauxite 1,000 s tons. .	S	32 371	N	N
21239200	Phosphate rock 1,000 s tons. .	2 415.2	72 510	N	N
21239303	Sulfur 1,000 l tons. .	1 760.6	66 299	N	N
21220021	Iron and ferroalloy ores, including tungsten, chromite, manganese, molybdenum, and cobalt	X	174 755	X	N
21220023	Nonferrous metal ores, including copper, mercury, vanadium, titanium, platinum, etc.	X	286 260	X	N
21239001	All other crude chemical nonmetallic minerals, including barite, borate, potash, fluorspar, rock salt, etc.	X	136 543	X	N
32419903	Coke including breeze, used as a raw material 1,000 s tons. .	D	D	N	N
33300015	Parts and attachments for machinery and equipment	X	130 137	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	45 988	X	N
33240000	Metal containers	X	26 067	X	N
00970099	All other materials and components, parts, containers, and supplies	X	1 495 514	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	801 589	X	N
	325191, GUM & WOOD CHEMICAL MFG				
32519103	Tall oil and rosin	X	D	X	72 751
32500001	Industrial organic and inorganic chemicals, including acids and alcohols, but excluding fatty acids	X	47 913	X	14 466
32100007	Chips, slabs, edgings, shavings, sawdust, and other wood waste	X	73 214	X	D
21211100	Lignite, raw or prepared, used as a raw material	X	D	X	D
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies	X	23 323	X	10 692
33240000	Metal containers	X	3 811	X	4 054
00970099	All other materials and components, parts, containers, and supplies	X	96 717	X	111 095
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	9 760	X	34 312

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
325192, CYCLIC CRUDE & INTERMEDIATE MFG					
32518807	Hydrochloric acid (100 percent HCl)	1,000 s tons..	D	D	N
32518809	Hydrofluoric acid (100 percent HF)	1,000 s tons..	D	D	N
32531101	Nitric acid (100 percent HNO3)	1,000 s tons..	350.6	26 358	N
32518805	Sulfuric acid (100 percent H2SO4), except spent	1,000 s tons..	718.0	15 589	N
32531103	Ammonia, synthetic anhydrous (100 percent NH3)	1,000 s tons..	130.1	24 301	N
32518103	Chlorine (100 percent Cl basis)	1,000 s tons..	P365.5	80 372	N
32518107	Sodium hydroxide (caustic soda)(100 percent NaOH)	1,000 s tons..	122.5	27 360	N
32500071	All other industrial inorganic chemicals		X	30 524	N
32512001	Acetylene and other industrial gases (compressed and liquified), including argon, carbon dioxide, nitrogen, etc.		X	19 100	N
32519300	Alcohol, ethyl (pure and denatured)		X	D	N
32510067	Other alcohols, including amyl, butyl, methyl, and propyl		X	892	N
32519213	Toluene and xylene (100 percent basis)	mil lb..	D	D	N
32519205	Phenol (100 percent basis)	mil lb..	D	D	N
32519231	Ortho and para-xylene (100 percent basis)	mil lb..	D	D	N
32411013	Benzol (benzene) (100 percent C6H6)	mil lb..	1 899.0	310 801	N
32519223	Tar, crude	1,000 s tons..	S	129 681	N
32519233	Other cyclic crudes and intermediates	mil lb..	56.7	205 588	N
32510075	Acetone (natural and synthetic)	mil lb..	D	D	N
325100A5	Other synthetic organic chemicals, n.e.c.		X	223 489	N
21111013	Natural gas used as a raw material	bil cu ft..	8.3	19 109	N
32411033	Ethylene used as a raw material or feedstock	mil lb..	747.2	174 649	N
32411035	Propane used as a raw material or feedstock	mil lb..	D	D	N
32411037	Propylene used as a raw material or feedstock	mil lb..	D	D	N
32411039	Butane and iso-butane used as a raw material or feedstock	mil lb..	D	D	N
32411041	Butylene and iso-butylene used as a raw material or feedstock	mil lb..	D	D	N
00190012	Other hydrocarbons used as raw materials or feedstocks		X	D	N
21239303	Sulfur	1,000 l tons..	D	D	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	mil lb..	D	D	N
11100033	Agricultural products (crude), including flowers, grains, seeds, herbs, etc.		X	D	N
33300015	Parts and attachments for machinery and equipment		X	D	N
32221001	Paperboard containers, boxes, and corrugated paperboard		X	18 471	N
33240000	Metal containers		X	648	N
00970099	All other materials and components, parts, containers, and supplies		X	6 069	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.		X	555 160	N
			X	19 598	N
325193, ETHYL ALCOHOL MFG					
32518807	Hydrochloric acid (100 percent HCl)	1,000 s tons..	D	D	N
32531101	Nitric acid (100 percent HNO3)	1,000 s tons..	D	D	N
32518805	Sulfuric acid (100 percent H2SO4), except spent	1,000 s tons..	5.2	665	N
32531103	Ammonia, synthetic anhydrous (100 percent NH3)	1,000 s tons..	3.3	970	N
32518103	Chlorine (100 percent Cl basis)	1,000 s tons..	D	D	N
32518107	Sodium hydroxide (caustic soda)(100 percent NaOH)	1,000 s tons..	76.3	5 254	N
32500071	All other industrial inorganic chemicals		X	D	N
32512001	Acetylene and other industrial gases (compressed and liquified), including argon, carbon dioxide, nitrogen, etc.		X	D	N
32519300	Alcohol, ethyl (pure and denatured)		X	D	N
32510067	Other alcohols, including amyl, butyl, methyl, and propyl		X	-	N
32411013	Benzol (benzene) (100 percent C6H6)	mil lb..	D	D	N
32519233	Other cyclic crudes and intermediates	mil lb..	-	-	N
32510075	Acetone (natural and synthetic)	mil lb..	D	D	N
325100A5	Other synthetic organic chemicals, n.e.c.		X	D	N
21111013	Natural gas used as a raw material	bil cu ft..	P3.1	4 647	N
32411033	Ethylene used as a raw material or feedstock	mil lb..	D	D	N
32411035	Propane used as a raw material or feedstock	mil lb..	D	D	N
32411039	Butane and iso-butane used as a raw material or feedstock	mil lb..	D	D	N
00190012	Other hydrocarbons used as raw materials or feedstocks		X	-	N
21239303	Sulfur	1,000 l tons..	D	D	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	mil lb..	D	D	N
11100033	Agricultural products (crude), including flowers, grains, seeds, herbs, etc.		X	510 476	N
33300015	Parts and attachments for machinery and equipment		X	6 790	N
32221001	Paperboard containers, boxes, and corrugated paperboard		X	D	N
33240000	Metal containers		X	D	N
00970099	All other materials and components, parts, containers, and supplies		X	85 815	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.		X	21 040	N
325199, ALL OTHER BASIC ORGANIC CHEMICAL MFG					
32518807	Hydrochloric acid (100 percent HCl)	1,000 s tons..	280.6	28 628	N
32518809	Hydrofluoric acid (100 percent HF)	1,000 s tons..	D	D	N
32531101	Nitric acid (100 percent HNO3)	1,000 s tons..	P153.7	23 706	N
32518805	Sulfuric acid (100 percent H2SO4), except spent	1,000 s tons..	3 097.8	64 589	N
32531103	Ammonia, synthetic anhydrous (100 percent NH3)	1,000 s tons..	1 636.8	256 318	N
32518103	Chlorine (100 percent Cl basis)	1,000 s tons..	2 562.2	379 162	N
32518107	Sodium hydroxide (caustic soda)(100 percent NaOH)	1,000 s tons..	P2 727.7	262 487	N
32500071	All other industrial inorganic chemicals		X	1 163 929	N
32512001	Acetylene and other industrial gases (compressed and liquified), including argon, carbon dioxide, nitrogen, etc.		X	226 637	N
32519300	Alcohol, ethyl (pure and denatured)		X	296 179	N
32510067	Other alcohols, including amyl, butyl, methyl, and propyl		X	760 197	N
32519213	Toluene and xylene (100 percent basis)	mil lb..	P754.0	122 141	N
32519205	Phenol (100 percent basis)	mil lb..	P2 995.4	186 253	N
32519231	Ortho and para-xylene (100 percent basis)	mil lb..	862.0	177 886	N
32411013	Benzol (benzene) (100 percent C6H6)	mil lb..	S	431 116	N
32519223	Tar, crude	1,000 s tons..	D	D	N
32519233	Other cyclic crudes and intermediates	mil lb..	2 007.2	552 255	N
32510075	Acetone (natural and synthetic)	mil lb..	S	155 472	N
325100A5	Other synthetic organic chemicals, n.e.c.		X	3 263 164	N
21111013	Natural gas used as a raw material	bil cu ft..	P212.7	356 514	N
32411031	Ethane used as a raw material or feedstock	mil lb..	94 746.7	392 517	N
32411033	Ethylene used as a raw material or feedstock	mil lb..	10 413.2	2 194 693	N
32411035	Propane used as a raw material or feedstock	mil lb..	5 873.9	511 440	N
32411037	Propylene used as a raw material or feedstock	mil lb..	98 703.7	1 449 924	N
32411039	Butane and iso-butane used as a raw material or feedstock	mil lb..	3 123.2	316 607	N
32411041	Butylene and iso-butylene used as a raw material or feedstock	mil lb..	S	138 594	N
00190012	Other hydrocarbons used as raw materials or feedstocks		X	1 335 023	N

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	325199, ALL OTHER BASIC ORGANIC CHEMICAL MFG—Con.				
21239303	Sulfur 1,000 l tons..	q1 262.8	31 570	N	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc. mil lb..	S	65 268	N	N
11100033	Agricultural products (crude), including flowers, grains, seeds, herbs, etc.	X	71 449	X	N
33300015	Parts and attachments for machinery and equipment	X	397 248	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	137 185	X	N
32400000	Metal containers	X	104 305	X	N
00970099	All other materials and components, parts, containers, and supplies	X	6 173 860	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	3 294 892	X	N
	325211, PLASTICS MATERIAL & RESIN MFG				
32519207	Styrene (100 percent basis) mil lb..	6 831.6	1 741 936	p6 219.8	1 345 598
32519205	Phenol (100 percent basis) mil lb..	1 608.4	543 411	1 350.4	365 690
32519229	Other cyclic crudes and intermediates (including melamine, phthalic anhydride, and benzene)	X	798 689	X	554 269
32519217	Synthetic organic dyes, pigments, lakes, and toners (100 percent basis)	p9.0	20 165	q11.3	22 844
32510043	Acrylates and methacrylates, monomers (100 percent basis)	S	1 343 042	1 388.0	774 801
32510037	Alcohols, except ethyl (100 percent basis) mil lb..	1 945.9	407 457	1 032.9	188 328
32510041	Formaldehyde (100 percent HCHO) mil lb..	p1 365.9	161 629	2 507.9	115 094
32510055	Rubber processing chemicals (accelerators, antioxidants, blowing agents, inhibitors, peptizers, etc.)	X	147 833	X	194 461
32510047	Vinyl acetate, monomer (100 percent basis) mil lb..	p1 066.5	290 928	1 170.5	278 839
32510049	Vinyl chloride, monomer (100 percent basis) mil lb..	6 822.4	1 469 781	7 612.3	1 017 639
325100A3	Other synthetic organic chemicals (includes acrylonitrile and cellulose acetate)	X	1 444 367	X	1 871 204
32411031	Ethane used as a raw material or feedstock mil lb..	q5 983.5	539 850	N	N
32411033	Ethylene used as a raw material or feedstock mil lb..	q20 076.7	4 519 540	16 426.7	2 899 102
32411035	Propane used as a raw material or feedstock mil lb..	p4 162.5	516 133	N	N
32411037	Propylene used as a raw material or feedstock mil lb..	9 792.6	1 875 646	p5 263.9	746 126
32411043	Butadiene used as a raw material or feedstock mil lb..	q595.8	126 792	1 406.8	235 646
32411045	Other refined petroleum products used as a raw material or feedstock (butane, isobutane, butylene, isobutylene, etc.) mil lb..	2 057.6	435 440	N	N
00190002	Other hydrocarbons used as raw materials or feedstocks (including crude oil, natural gas and still gas)	X	870 548	X	239 477
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc. mil lb..	S	1 658 653	1 213.0	650 592
325000B7	Inorganic chemicals	X	660 285	X	412 619
32518200	Carbon black mil lb..	p30.4	21 493	p31.1	14 451
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies	X	125 204	X	167 366
00970099	All other materials and components, parts, containers, and supplies	X	3 251 882	X	3 291 549
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	2 287 562	X	793 335
	325212, SYNTHETIC RUBBER MFG				
32519207	Styrene (100 percent basis) mil lb..	788.3	209 507	700.8	174 738
32519205	Phenol (100 percent basis) mil lb..	D	D	D	D
32519229	Other cyclic crudes and intermediates (including melamine, phthalic anhydride, and benzene)	X	D	X	D
32519217	Synthetic organic dyes, pigments, lakes, and toners (100 percent basis)	D	D	D	D
32510043	Acrylates and methacrylates, monomers (100 percent basis)	115.9	57 029	22.5	13 745
32510037	Alcohols, except ethyl (100 percent basis) mil lb..	q8.4	1 979	S	555
32510041	Formaldehyde (100 percent HCHO) mil lb..	D	D	D	D
32510055	Rubber processing chemicals (accelerators, antioxidants, blowing agents, inhibitors, peptizers, etc.)	X	121 091	X	82 379
32510047	Vinyl acetate, monomer (100 percent basis) mil lb..	D	D	D	D
32510049	Vinyl chloride, monomer (100 percent basis) mil lb..	D	D	N	N
325100A3	Other synthetic organic chemicals (includes acrylonitrile and cellulose acetate)	X	198 035	X	134 410
32411031	Ethane used as a raw material or feedstock mil lb..	D	D	N	N
32411033	Ethylene used as a raw material or feedstock mil lb..	p364.0	83 427	321.3	58 769
32411035	Propane used as a raw material or feedstock mil lb..	D	D	N	N
32411037	Propylene used as a raw material or feedstock mil lb..	S	51 878	640.2	93 291
32411043	Butadiene used as a raw material or feedstock mil lb..	p3 128.4	643 084	2 690.0	446 558
32411045	Other refined petroleum products used as a raw material or feedstock (butane, isobutane, butylene, isobutylene, etc.) mil lb..	670.6	237 056	311.7	65 218
00190002	Other hydrocarbons used as raw materials or feedstocks (including crude oil, natural gas and still gas)	X	D	X	D
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc. mil lb..	228.0	124 349	62.2	26 639
325000B7	Inorganic chemicals	X	71 255	X	89 072
32518200	Carbon black mil lb..	S	48 868	179.2	29 386
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies	X	41 577	X	57 957
00970099	All other materials and components, parts, containers, and supplies	X	666 741	X	524 382
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	220 880	X	21 204
	325221, CELLULOSIC ORGANIC FIBER MFG				
32510039	Acrylonitrile (100 percent basis) mil lb..	—	—	N	N
32510069	Caprolactam (100 percent basis) mil lb..	—	—	N	N
32510071	Glycols (ethylene, propylene, etc.) (100 percent basis)	—	—	D	D
32519209	Dimethyl terephthalate (DMT) (100 percent basis) mil lb..	—	—	D	D
32519211	Terephthalic acid (TPA) (100 percent basis) mil lb..	—	—	D	D
32510087	All other synthetic organic chemicals	X	—	X	D
32521145	Polypropylene resins (dry basis) mil lb..	—	—	D	D
32521137	Nylon resins (dry basis) mil lb..	—	—	D	D
32521107	All other plastics resins (dry basis) mil lb..	—	—	D	D
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies	X	D	X	D
00970099	All other materials and components, parts, containers, and supplies	X	D	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	—	X	N
	325222, NONCELLULOSIC ORGANIC FIBER MFG				
32510039	Acrylonitrile (100 percent basis) mil lb..	D	D	D	D
32510069	Caprolactam (100 percent basis) mil lb..	D	D	D	D
32510071	Glycols (ethylene, propylene, etc.) (100 percent basis)	1 244.6	396 836	1 845.5	413 439
32519209	Dimethyl terephthalate (DMT) (100 percent basis) mil lb..	742.6	215 335	1 148.9	273 005
32519211	Terephthalic acid (TPA) (100 percent basis) mil lb..	2 760.0	731 624	1 901.9	478 245

Table 1. Materials Consumed by Kind by Industry: 1997 and 1992—Con.

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	325222, NONCELLULOSIC ORGANIC FIBER MFG—Con.				
32510087	All other synthetic organic chemicals	X	954 882	X	1 300 459
32521145	Polypropylene resins (dry basis)	786.5	367 879	9804.9	278 557
32521137	Nylon resins (dry basis)	443.1	322 729	322.9	166 881
32521107	All other plastics resins (dry basis)	928.4	330 843	S	141 174
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies	X	97 521	X	91 968
00970099	All other materials and components, parts, containers, and supplies	X	824 542	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	302 120	X	D
	325311, NITROGENOUS FERTILIZER MFG				
32531103	Ammonia, synthetic anhydrous (100 percent NH3)	S	267 359	2 162.7	248 082
32531113	Ammoniating or nitrogen solutions, including ammonium nitrate solutions, and mixtures containing urea (100 percent N)	644.7	77 741	S	12 163
32531111	Ammonium nitrate (solid only) (100 percent NH4NO3)	D	D	D	D
32531107	Ammonium sulfate (100 percent (NH4)2SO4)	—	—	D	D
32531115	Urea (solid only) (100 percent CO(NH2)2)	96.7	18 114	171.4	24 038
32531109	Other nitrogenous materials including calcium cyanamide and limestone mixtures	D	D	P30.5	2 656
32531203	Superphosphate - total used in mixed goods (100 percent P2O5)	D	D	D	D
32531201	Phosphoric acid, except spent (100 percent P2O5)	D	D	1.9	425
32531205	Other phosphatic materials, including diammonium phosphate and monoammonium phosphate (100 percent P2O5)	—	—	D	D
21239101	Muriate of potash (all grades) (60-62 percent K2O)	S	149	D	D
21239103	Other potassic materials, including potassium nitrate and sulfate	P1.0	299	2.4	704
00190029	Inert fillers, secondary plant food, soil conditioners, sand, limestone, peat, nut hulls, etc.	S	2 426	S	6 519
32518803	Sulfuric acid (new and spent) (100 percent H2SO4)	P88.2	2 815	940.6	1 831
21239200	Phosphate rock	D	D	D	D
21239303	Sulfur	D	D	D	D
21111013	Natural gas used as a raw material	S	1 008 370	9342.7	625 486
32220009	Bags, except textile, including shipping sacks, multiwall bags, and polyethylene liners	X	2 818	X	2 875
00970099	All other materials and components, parts, containers, and supplies	X	122 826	X	197 657
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	43 974	X	104 948
	325312, PHOSPHATIC FERTILIZER MFG				
32531103	Ammonia, synthetic anhydrous (100 percent NH3)	3 276.8	534 759	3 117.2	333 673
32531113	Ammoniating or nitrogen solutions, including ammonium nitrate solutions, and mixtures containing urea (100 percent N)	D	D	P38.7	6 072
32531111	Ammonium nitrate (solid only) (100 percent NH4NO3)	S	7 192	D	D
32531107	Ammonium sulfate (100 percent (NH4)2SO4)	S	4 610	951.4	3 853
32531115	Urea (solid only) (100 percent CO(NH2)2)	D	D	74.5	11 325
32531109	Other nitrogenous materials including calcium cyanamide and limestone mixtures	D	D	D	D
32531203	Superphosphate - total used in mixed goods (100 percent P2O5)	D	D	37.7	6 608
32531201	Phosphoric acid, except spent (100 percent P2O5)	1 047.7	226 821	1 944.5	423 630
32531205	Other phosphatic materials, including diammonium phosphate and monoammonium phosphate (100 percent P2O5)	107.0	19 072	234.5	34 182
21239101	Muriate of potash (all grades) (60-62 percent K2O)	9167.2	16 813	142.3	13 982
21239103	Other potassic materials, including potassium nitrate and sulfate	84.7	12 354	48.8	9 984
00190029	Inert fillers, secondary plant food, soil conditioners, sand, limestone, peat, nut hulls, etc.	P640.7	28 330	P255.4	6 916
32518803	Sulfuric acid (new and spent) (100 percent H2SO4)	1 998.1	63 434	3 402.1	115 651
21239200	Phosphate rock	P40 363.6	1 025 390	33 960.4	753 698
21239303	Sulfur	P9 814.1	590 522	8 473.9	709 607
21111013	Natural gas used as a raw material	S	80 279	D	D
32220009	Bags, except textile, including shipping sacks, multiwall bags, and polyethylene liners	X	4 158	X	4 439
00970099	All other materials and components, parts, containers, and supplies	X	311 143	X	211 604
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	24 414	X	27 321
	325314, FERTILIZER (MIXING ONLY) MFG				
32531103	Ammonia, synthetic anhydrous (100 percent NH3)	P471.5	92 216	343.1	40 139
32531113	Ammoniating or nitrogen solutions, including ammonium nitrate solutions, and mixtures containing urea (100 percent N)	S	92 536	P574.8	61 510
32531111	Ammonium nitrate (solid only) (100 percent NH4NO3)	P228.8	37 732	232.0	29 954
32531107	Ammonium sulfate (100 percent (NH4)2SO4)	9831.3	78 117	P334.6	30 444
32531115	Urea (solid only) (100 percent CO(NH2)2)	9779.8	129 318	376.4	60 032
32531109	Other nitrogenous materials including calcium cyanamide and limestone mixtures	P200.8	59 376	96.0	16 789
32531203	Superphosphate - total used in mixed goods (100 percent P2O5)	S	54 758	P171.2	18 886
32531201	Phosphoric acid, except spent (100 percent P2O5)	P651.1	141 170	176.0	50 037
32531205	Other phosphatic materials, including diammonium phosphate and monoammonium phosphate (100 percent P2O5)	S	119 876	P360.9	61 538
21239101	Muriate of potash (all grades) (60-62 percent K2O)	S	81 586	P674.5	73 141
21239103	Other potassic materials, including potassium nitrate and sulfate	9259.8	46 778	193.8	34 369
00190029	Inert fillers, secondary plant food, soil conditioners, sand, limestone, peat, nut hulls, etc.	S	100 442	S	34 852
32518803	Sulfuric acid (new and spent) (100 percent H2SO4)	9110.8	13 773	P150.5	5 917
21239200	Phosphate rock	93.5	1 603	D	D
21239303	Sulfur	D	D	D	D
21111013	Natural gas used as a raw material	D	D	D	D
32220009	Bags, except textile, including shipping sacks, multiwall bags, and polyethylene liners	X	75 952	X	23 115
00970099	All other materials and components, parts, containers, and supplies	X	405 660	X	302 726
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	354 861	X	255 653
	325320, PESTICIDE & OTHER AGRICULTURAL CHEMICAL MFG				
32411007	Petroleum distillates used as solvents	S	59 618	286.1	75 241
32510045	Other synthetic organic chemical solvents	S	122 626	S	77 962
32510061	Synthetic organic pesticides and related synthetic organic agricultural chemical toxicants	9286.6	893 683	P350.9	758 349
32518845	Inorganic chemical toxicants	S	123 032	479.9	192 492
32561301	Surfactants	X	66 041	X	62 563
32500013	All other organic and inorganic chemicals, n.e.c.	X	1 057 339	X	831 639
32610029	Plastics containers	X	97 174	X	87 637

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	325320, PESTICIDE & OTHER AGRICULTURAL CHEMICAL MFG—Con.				
32221001	Paperboard containers, boxes, and corrugated paperboard	X	59 354	X	72 356
33240000	Metal containers	X	34 939	X	43 775
00970099	All other materials and components, parts, containers, and supplies	X	723 887	X	D
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	241 103	X	D
	325411, MEDICINAL & BOTANICAL MFG				
32541113	Antibiotics, in bulk, for human and veterinary use	X	D	X	D
32541115	Antibiotics, in bulk, for animal feeds	X	D	X	D
32541101	Vitamins, natural and synthetic, in bulk, for human and veterinary use	X	224 062	X	52 906
32541103	Vitamins, natural and synthetic, in bulk, for animal feeds	X	36 615	X	84 551
11100033	Agricultural products (crude), including flowers, grains, seeds, herbs, etc.	X	209 274	X	63 586
31100001	Processed food and kindred products including lactose, meat packing plant products, yeast, etc.	X	16 293	X	7 759
32541000	Blood derivatives and extenders	X	D	X	D
32541107	All other bulk medicinal and botanical uncompounded drugs, except antibiotics and vitamins	X	386 955	X	661 003
32599807	Gelatin (pharmaceutical grade) and gelatin capsules	X	16 523	X	2 430
325000A7	Industrial inorganic chemicals	X	60 285	X	58 244
32519201	Cyclic crudes and intermediates including organic colors	X	3 871	X	39 694
32510031	Other synthetic organic chemicals including halogenated hydrocarbons	X	157 290	X	223 719
32610015	Fabricated plastics products, including plastics closures, film, and packaging items, except containers	X	48 989	X	1 935
33211500	Metal closures and crowns for containers	X	1 141	X	D
32310003	Labels, coupons, instructions, and other printed material	X	14 315	X	1 213
32610029	Plastics containers	X	19 149	X	5 837
32721301	Glass containers	X	4 047	X	1 861
33240000	Metal containers	X	2 382	X	4 221
32221001	Paperboard containers, boxes, and corrugated paperboard	X	30 157	X	12 408
00970099	All other materials and components, parts, containers, and supplies	X	634 492	X	257 312
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	488 646	X	166 288
	325412, PHARMACEUTICAL PREPARATION MFG				
32541113	Antibiotics, in bulk, for human and veterinary use	X	2 855 535	X	N
32541115	Antibiotics, in bulk, for animal feeds	X	96 987	X	N
32541101	Vitamins, natural and synthetic, in bulk, for human and veterinary use	X	1 115 425	X	N
32541103	Vitamins, natural and synthetic, in bulk, for animal feeds	X	D	X	N
11100033	Agricultural products (crude), including flowers, grains, seeds, herbs, etc.	X	99 093	X	N
31100001	Processed food and kindred products including lactose, meat packing plant products, yeast, etc.	X	95 024	X	N
32541000	Blood derivatives and extenders	X	D	X	N
32541107	All other bulk medicinal and botanical uncompounded drugs, except antibiotics and vitamins	X	5 139 065	X	N
32599807	Gelatin (pharmaceutical grade) and gelatin capsules	X	88 846	X	N
325000A7	Industrial inorganic chemicals	X	376 762	X	N
32519201	Cyclic crudes and intermediates including organic colors	X	274 476	X	N
32510031	Other synthetic organic chemicals including halogenated hydrocarbons	X	415 437	X	N
32610015	Fabricated plastics products, including plastics closures, film, and packaging items, except containers	X	307 792	X	N
33211500	Metal closures and crowns for containers	X	46 774	X	N
32310003	Labels, coupons, instructions, and other printed material	X	389 491	X	N
32610029	Plastics containers	X	520 573	X	N
32721301	Glass containers	X	201 919	X	N
33240000	Metal containers	X	52 533	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	618 969	X	N
00970099	All other materials and components, parts, containers, and supplies	X	1 649 261	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	756 432	X	N
	325413, IN-VITRO DIAGNOSTIC SUBSTANCE MFG				
32541113	Antibiotics, in bulk, for human and veterinary use	X	4 180	X	N
32541115	Antibiotics, in bulk, for animal feeds	X	—	X	N
32541101	Vitamins, natural and synthetic, in bulk, for human and veterinary use	X	D	X	N
32541103	Vitamins, natural and synthetic, in bulk, for animal feeds	X	—	X	N
11100033	Agricultural products (crude), including flowers, grains, seeds, herbs, etc.	X	D	X	N
31100001	Processed food and kindred products including lactose, meat packing plant products, yeast, etc.	X	37 286	X	N
32541000	Blood derivatives and extenders	X	101 058	X	N
32541107	All other bulk medicinal and botanical uncompounded drugs, except antibiotics and vitamins	X	110 966	X	N
32599807	Gelatin (pharmaceutical grade) and gelatin capsules	X	D	X	N
325000A7	Industrial inorganic chemicals	X	180 200	X	N
32519201	Cyclic crudes and intermediates including organic colors	X	47 566	X	N
32510031	Other synthetic organic chemicals including halogenated hydrocarbons	X	133 389	X	N
32610015	Fabricated plastics products, including plastics closures, film, and packaging items, except containers	X	617 030	X	N
33211500	Metal closures and crowns for containers	X	16 698	X	N
32310003	Labels, coupons, instructions, and other printed material	X	36 848	X	N
32610029	Plastics containers	X	47 380	X	N
32721301	Glass containers	X	43 205	X	N
33240000	Metal containers	X	1 698	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	66 808	X	N
00970099	All other materials and components, parts, containers, and supplies	X	480 017	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	86 505	X	N
	325414, BIOLOGICAL PRODUCT (EXCEPT DIAGNOSTIC) MFG				
32541113	Antibiotics, in bulk, for human and veterinary use	X	D	X	51 066
32541115	Antibiotics, in bulk, for animal feeds	X	—	X	N
32541101	Vitamins, natural and synthetic, in bulk, for human and veterinary use	X	10 948	X	2 016
32541103	Vitamins, natural and synthetic, in bulk, for animal feeds	X	D	X	D
11100033	Agricultural products (crude), including flowers, grains, seeds, herbs, etc.	X	13 284	X	23 031
31100001	Processed food and kindred products including lactose, meat packing plant products, yeast, etc.	X	32 059	X	28 358
32541000	Blood derivatives and extenders	X	497 800	X	486 656
32541107	All other bulk medicinal and botanical uncompounded drugs, except antibiotics and vitamins	X	28 657	X	25 670
32599807	Gelatin (pharmaceutical grade) and gelatin capsules	X	D	X	D

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
325414, BIOLOGICAL PRODUCT (EXCEPT DIAGNOSTIC) MFG—Con.					
325000A7	Industrial inorganic chemicals	X	22 476	X	31 458
32519201	Cyclic crudes and intermediates including organic colors	X	D	X	D
32510031	Other synthetic organic chemicals including halogenated hydrocarbons	X	14 947	X	1 775
32610015	Fabricated plastics products, including plastics closures, film, and packaging items, except containers	X	19 247	X	33 526
33211500	Metal closures and crowns for containers	X	2 858	X	3 260
32310003	Labels, coupons, instructions, and other printed material	X	8 938	X	5 895
32610029	Plastics containers	X	10 991	X	14 184
32721301	Glass containers	X	19 527	X	13 025
33240000	Metal containers	X	D	X	D
32221001	Paperboard containers, boxes, and corrugated paperboard	X	12 467	X	18 444
00970099	All other materials and components, parts, containers, and supplies	X	414 919	X	227 992
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	455 571	X	149 252
325510, PAINT & COATING MFG					
31120013	Vegetable oils mil lb.	S	83 216	125.4	50 855
32513102	Titanium dioxide pigments, composite mil lb.	P976.8	820 235	N	N
32513109	Other inorganic pigments, including chrome colors, zinc oxide, and iron oxide mil lb.	P151.2	203 935	N	N
32519215	Organic color pigments, lakes, and toners mil lb.	P93.3	504 812	N	333 467
32519225	Hydrocarbon solvents (toluene, xylene, etc.) mil lb.	q1 098.4	223 480	P893.0	163 678
32510033	Alcohol solvents (butyl, ethyl, isopropyl, etc.) mil lb.	q189.9	77 710	314.7	99 202
32510081	Ester solvents (ethyl acetate, butyl acetate, etc.) mil lb.	q200.5	103 401	N	N
32510079	Ketone solvents (acetone, mek, mibk, etc.) mil lb.	q242.6	106 616	N	N
32510097	Other solvents mil lb.	S	134 021	N	N
32510035	Glycol and glycol derivative solvents mil lb.	q197.2	107 974	N	N
32521117	Alkyd plastics resins mil lb.	P464.3	310 878	763.3	414 394
32521119	Acrylic plastics resins mil lb.	937.9	585 172	802.5	495 451
32521121	Vinyl plastics resins mil lb.	P317.2	166 259	603.7	217 893
32521127	Epoxy plastics resins mil lb.	q202.8	231 697	N	N
32521125	Polyester plastics resins mil lb.	S	211 067	N	N
00190069	Other resins mil lb.	q306.7	337 349	N	N
32521129	Urethane/isocyanates plastics resins mil lb.	136.3	214 259	N	N
32799215	Minerals and earths, ground or otherwise treated mil lb.	2 269.5	359 882	N	210 360
32500061	All other chemicals not elsewhere classified mil lb.	P672.0	543 399	N	N
33240000	Metal containers	X	395 559	X	N
32610029	Plastics containers	X	140 897	X	N
00190001	Other containers	X	33 072	X	N
00970099	All other materials and components, parts, containers, and supplies	X	1 086 450	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	1 936 387	X	N
325520, ADHESIVE MFG					
32521135	Polyvinyl acetate resins purchased from other establishments mil lb.	q358.5	179 651	360.8	112 071
32521109	All other plastics resins purchased from other establishments mil lb.	q350.1	268 424	569.6	251 311
32521205	Synthetic rubber mil lb.	S	207 343	203.5	171 943
31122115	Starch and dextrin mil lb.	S	42 953	104.2	23 946
32510095	Industrial organic chemicals, n.e.c., including synthetic organic	X	676 336	X	641 589
325000A3	Industrial inorganic chemicals	X	323 612	X	112 942
32410015	Refined petroleum products, including mineral oil, naphtha solvents, petrolatum, waxes, etc.	X	237 836	X	227 672
21230003	Nonmetallic minerals and earths, ground or otherwise treated, used as extenders and fillers	X	118 229	X	204 794
32610029	Plastics containers	X	113 939	X	60 488
33240000	Metal containers	X	123 882	X	77 599
32220003	Paper and paperboard boxes and fiber cans, tubes and drums	X	196 062	X	86 617
00970099	All other materials and components, parts, containers, and supplies	X	427 744	X	295 592
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	645 002	X	391 125
325611, SOAP & OTHER DETERGENT MFG					
32561303	Bulk surface active intermediates (active wt.) mil lb.	173.4	80 161	490.7	256 972
32561305	Bulk surface active agents primarily for detergent purposes (active wt.), except intermediates mil lb.	S	553 477	499.1	266 706
32561307	Other bulk surface active agents (emulsifiers, wetting agents, penetrants, etc.) (active wt.), except intermediates mil lb.	P64.6	38 581	85.3	42 773
32561100	Glycerin (100 percent) mil lb.	D	D	N	N
31120013	Vegetable oil mil lb.	D	D	N	N
32562000	Perfume oil mixtures and blends mil lb.	42.1	238 746	N	N
32519901	Fatty acids mil lb.	230.1	123 915	299.9	102 128
31161301	Grease and inedible tallow mil lb.	785.4	159 066	765.3	130 164
32518103	Chlorine (100 percent Cl basis) 1,000 s tons.	S	5 976	S	9 284
32518105	Sodium carbonate (soda ash) (58 percent Na2O) 1,000 s tons.	q768.6	99 965	713.3	96 182
32518107	Sodium hydroxide (caustic soda)(100 percent NaOH) 1,000 s tons.	715.0	89 277	470.3	104 158
32518821	Sodium tripolyphosphate (STPP) (100 percent NaPO) 1,000 s tons.	158.3	84 490	259.8	153 680
32518819	All other potassium and sodium compounds	X	227 514	X	281 294
32410013	Refined petroleum products, including mineral oil, naphtha solvents, petrolatum, waxes, etc.	X	74 619	X	32 051
32500005	All other organic and inorganic chemicals	X	1 510 914	X	N
32310003	Labels, coupons, instructions, and other printed material	X	76 955	X	70 180
32221001	Paperboard containers, boxes, and corrugated paperboard	X	542 547	X	563 843
33240000	Metal containers	X	31 870	X	N
32610029	Plastics containers	X	498 494	X	N
32610037	Fabricated plastics products, including dispensing pumps and trigger and mist sprayers; except containers	X	88 312	X	N
00970099	All other materials and components, parts, containers, and supplies	X	474 907	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	944 964	X	N
325612, POLISH & OTHER SANITATION GOOD MFG					
32561303	Bulk surface active intermediates (active wt.) mil lb.	S	26 955	48.2	23 787
32561305	Bulk surface active agents primarily for detergent purposes (active wt.), except intermediates mil lb.	S	35 698	P32.8	20 740
32561307	Other bulk surface active agents (emulsifiers, wetting agents, penetrants, etc.) (active wt.), except intermediates mil lb.	51.7	35 588	39.1	28 728
32561100	Glycerin (100 percent) mil lb.	S	621	N	N
31120013	Vegetable oil mil lb.	P5.0	2 036	S	1 062
32562000	Perfume oil mixtures and blends mil lb.	P13.9	101 664	q10.4	67 022
32519901	Fatty acids mil lb.	q23.6	10 252	q13.0	5 275
31161301	Grease and inedible tallow mil lb.	S	9 738	P5.0	3 395

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		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
325612, POLISH & OTHER SANITATION GOOD MFG—Con.					
32518103	Chlorine (100 percent Cl basis)	1,000 s tons . .	P138.1 25 028	P129.4 15 501	
32518105	Sodium carbonate (soda ash) (58 percent Na2O)	1,000 s tons . .	64.6 5 146	55.6 8 302	
32518107	Sodium hydroxide (caustic soda)(100 percent NaOH)	1,000 s tons . .	P123.3 31 396	155.1 31 604	
32518821	Sodium tripolyphosphate (STPP) (100 percent NaPO)	1,000 s tons . .	4.6 3 251	3.5 2 749	
32518819	All other potassium and sodium compounds	X	21 422	X	22 364
32410013	Refined petroleum products, including mineral oil, naphtha solvents, petrolatum, waxes, etc.	X	54 463	X	72 127
32500005	All other organic and inorganic chemicals	X	368 003	X	N
32310003	Labels, coupons, instructions, and other printed material	X	59 245	X	46 145
32221001	Paperboard containers, boxes, and corrugated paperboard	X	134 815	X	147 039
33240000	Metal containers	X	132 489	X	143 813
32610029	Plastics containers	X	275 779	X	250 843
32610037	Fabricated plastics products, including dispensing pumps and trigger and mist sprayers; except containers	X	108 025	X	99 630
00970099	All other materials and components, parts, containers, and supplies	X	283 295	X	302 784
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	677 186	X	462 550
325613, SURFACE ACTIVE AGENT MFG					
32561303	Bulk surface active intermediates (active wt.)	mil lb . .	117.5 71 675	187.7 58 702	
32561305	Bulk surface active agents primarily for detergent purposes (active wt.), except intermediates	mil lb . .	550.3 110 785	150.7 54 108	
32561307	Other bulk surface active agents (emulsifiers, wetting agents, penetrants, etc.) (active wt.), except intermediates	mil lb . .	53.6 40 792	P29.0 26 813	
32561100	Glycerin (100 percent)	mil lb . .	13.4 7 324	14.8 8 417	
31120013	Vegetable oil	mil lb . .	176.6 56 709	235.9 65 919	
32562000	Perfume oil mixtures and blends	D	D	S	236
32519901	Fatty acids	mil lb . .	125 771	224.6 109 681	
31161301	Grease and inedible tallow	mil lb . .	170.3 42 607	88.2 30 569	
32518103	Chlorine (100 percent Cl basis)	D	D	N	N
32518105	Sodium carbonate (soda ash) (58 percent Na2O)	1,000 s tons . .	6.4 1 258	5.1 705	
32518107	Sodium hydroxide (caustic soda)(100 percent NaOH)	1,000 s tons . .	65.7 11 414	20.0 3 485	
32518821	Sodium tripolyphosphate (STPP) (100 percent NaPO)	D	D	2.2 78	
32518819	All other potassium and sodium compounds	X	13 643	X	4 179
32410013	Refined petroleum products, including mineral oil, naphtha solvents, petrolatum, waxes, etc.	X	192 989	X	93 027
32500005	All other organic and inorganic chemicals	X	502 294	X	N
32310003	Labels, coupons, instructions, and other printed material	X	1 530	X	550
32221001	Paperboard containers, boxes, and corrugated paperboard	X	9 784	X	13 340
33240000	Metal containers	X	13 955	X	24 887
32610029	Plastics containers	X	15 144	X	6 718
32610037	Fabricated plastics products, including dispensing pumps and trigger and mist sprayers; except containers	X	D	X	N
00970099	All other materials and components, parts, containers, and supplies	X	382 980	X	370 311
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	727 170	X	234 866
325620, TOILET PREPARATION MFG					
32562000	Perfume oil mixtures and blends	X	389 491	X	N
32510051	Perfume materials (synthetic organic)	X	66 473	X	N
32599809	Essential oils, natural	X	173 540	X	N
32561309	Bulk surface active agents other than sulfonated oils and fats	X	329 676	X	N
31100027	Fats, oils, greases, and tallow	X	154 341	X	N
32410015	Refined petroleum products, including mineral oil, naphtha solvents, petrolatum, waxes, etc.	X	105 035	X	N
32510065	Alcohols	X	85 213	X	N
32510031	Other synthetic organic chemicals including halogenated hydrocarbons	X	243 387	X	N
32518817	Silicates	X	96 909	X	N
32610037	Fabricated plastics products, including dispensing pumps and trigger and mist sprayers; except containers	X	243 213	X	N
32610029	Plastics containers	X	1 096 646	X	N
32721301	Glass containers	X	193 103	X	N
32220013	Paper and paperboard containers including shipping containers, setup and folding cartons, etc.	X	440 854	X	N
33240000	Metal containers	X	200 393	X	N
00970099	All other materials and components, parts, containers, and supplies	X	1 427 604	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	1 278 798	X	N
325910, PRINTING INK MFG					
32513001	Pigments, organic and inorganic	mil lb . .	213.6 514 649	310.6 563 660	
32518200	Carbon black	mil lb . .	D	193.9 60 967	
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	mil lb . .	P140.4 190 791	135.8 119 414	
32551003	Paints, varnishes, stains, lacquers, shellacs, japans, enamels, and allied products	mil lb . .	386.8 384 435	530.8 318 179	
32519105	Wood rosin, turpentine, and other wood chemicals	mil lb . .	30.1 19 018	38.7 28 096	
32410011	Hydrocarbon oils and solvents	mil gal . .	58.9 137 024	P102.4 102 152	
32510029	Oxygenated solvents	mil gal . .	D	43.4 58 537	
33240000	Metal containers	X	22 077	X	27 430
00970099	All other materials and components, parts, containers, and supplies	X	252 565	X	168 207
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	569 386	X	454 282
325920, EXPLOSIVES MFG					
32531103	Ammonia, synthetic anhydrous (100 percent NH3)	1,000 s tons . .	D	D	D
32531105	Ammonium nitrate (100 percent NH4NO3)	1,000 s tons . .	710.5 89 507	394.1 43 938	
32531101	Nitric acid (100 percent HNO3)	1,000 s tons . .	D	36.2 5 421	
32518805	Sulfuric acid (100 percent H2SO4), except spent	1,000 s tons . .	D	P48.5 3 372	
32592009	High explosives, including PETN, TNT, azides, and fulminates	X	62 368	X	13 996
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies.	X	17 653	X	13 482
00970099	All other materials and components, parts, containers, and supplies	X	153 021	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	180 874	X	D
325991, CUSTOM COMPOUNDING OF PURCHASED RESIN					
325000A3	Industrial inorganic chemicals	X	153 588	X	96 464
32513107	Inorganic pigments	X	214 260	X	188 191
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	1 803 788	X	1 037 761

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	325991, CUSTOM COMPOUNDING OF PURCHASED RESIN—Con.				
325100A1	Industrial organic and synthetic organic chemicals, including plasticizers (except synthetic dyes, pigments, and toners)	X	294 203	X	189 430
32513200	Synthetic dyes, pigments, lakes, and toners	X	124 148	X	144 501
32500043	All other chemical and allied products	X	266 405	X	150 651
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	40 499	X	12 245
32599100	Custom compounded plastics resins (purchased)	X	210 524	X	84 809
32721209	Textile-type glass fiber	X	37 131	X	18 392
32221001	Paperboard containers, boxes, and corrugated paperboard	X	49 472	X	36 326
00999803	Spent or post-consumer plastics (purchased)	X	98 868	X	N
00970099	All other materials and components, parts, containers, and supplies	X	510 412	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	664 052	X	337 392
	325992, PHOTOGRAPHIC FILM, PAPER, PLATE, & CHEMICAL MFG				
32210007	Paper and paperboard products (except paperboard boxes, containers, corrugated paperboard, and photographic base papers)	X	198 240	X	N
32212025	Photographic base papers	X	720 801	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	148 598	X	N
325000B1	Inorganic chemicals, n.e.c., except silver nitrate and prepared photographic chemicals	X	D	X	N
32518839	Silver nitrate	X	266 245	X	N
325100A7	Synthetic organic chemicals, except prepared photographic chemicals	X	D	X	N
32599215	Prepared photographic chemicals	X	D	X	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	71 759	X	N
32611303	Unsupported plastics film and sheet for photographic, mimeographic, X-ray, etc.	X	153 630	X	N
32610011	Fabricated plastics products (except gaskets)	X	27 185	X	N
32599203	Light sensitive films and papers	X	164 486	X	N
00970099	All other materials and components, parts, containers, and supplies	X	884 636	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	83 784	X	N
	325998, ALL OTHER MISCELLANEOUS CHEMICAL PRODUCT & PREPARATION MFG				
32221001	Paperboard containers, boxes, and corrugated paperboard	X	132 049	X	N
32400000	Metal containers	X	64 768	X	N
21230009	Crude nonmetallic minerals, including limestone, clay, gypsum, talc, etc.	X	119 739	X	N
31100027	Fats, oils, greases, and tallow	X	171 451	X	N
32518101	Alkalies and chlorine	X	187 400	X	N
325000A7	Industrial inorganic chemicals	X	620 403	X	N
32519101	Wood rosin, turpentine, and other wood chemicals, including tall oil	X	59 791	X	N
32510099	Synthetic organic chemicals, not elsewhere classified	X	829 641	X	N
32410001	Refined petroleum products, including naphtha solvents, petrolatum, waxes, etc.	X	298 981	X	N
32521103	Plastics and resin materials (synthetic)	X	199 600	X	N
32610029	Plastics containers	X	117 397	X	N
00970099	All other materials and components, parts, containers, and supplies	X	1 786 260	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	—	558 429	X	N
	326111, UNSUPPORTED PLASTICS BAG MFG				
32212007	Paper, 1,000 s tons ..	S	34 362	N	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc. mil lb ..	S	2 064 711	N	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	367 439	X	N
33131509	Aluminum foil, plain, mil lb ..	D	D	N	N
32552003	Glues and adhesives	101.0	D	X	N
32591003	Printing ink, mil lb ..	S	82 815	N	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	244 564	X	N
00970099	All other materials and components, parts, containers, and supplies	X	332 753	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	446 572	X	N
	326112, UNSUPPORTED PLASTICS PACKAGING FILM & SHEET MFG				
32212007	Paper, 1,000 s tons ..	S	81 969	N	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc. mil lb ..	S	709 914	N	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	641 457	X	N
33131509	Aluminum foil, plain, mil lb ..	S	18 599	N	N
32552003	Glues and adhesives	X	46 440	X	N
32591003	Printing ink, mil lb ..	S	121 114	N	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	34 590	X	N
00970099	All other materials and components, parts, containers, and supplies	X	105 488	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	167 025	X	N
	326113, UNSUPPORTED PLASTICS FILM & SHEET (EXCEPT PACKAGING) MFG				
325000A3	Industrial inorganic chemicals	X	133 428	X	160 082
32513107	Inorganic pigments	X	73 379	X	49 798
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	3 435 989	X	2 468 044
325100A1	Industrial organic and synthetic organic chemicals, including plasticizers (except synthetic dyes, pigments, and toners)	X	503 381	X	377 964
32513200	Synthetic dyes, pigments, lakes, and toners	X	77 930	X	46 074
32500043	All other chemical and allied products	X	126 063	X	113 262
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	401 720	X	323 811
32599100	Custom compounded plastics resins (purchased)	X	261 105	X	44 283
32721209	Textile-type glass fiber	X	408	X	N
32210015	Paper and paperboard products except paperboard boxes, containers, and corrugated paperboard	X	116 608	X	149 565
32221001	Paperboard containers, boxes, and corrugated paperboard	X	148 856	X	107 341
33322000	Parts and attachments specially designed for plastics working machinery	X	11 072	X	24 593
00970099	All other materials and components, parts, containers, and supplies	X	309 508	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	780 026	X	475 248

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	326121, UNSUPPORTED PLASTICS PROFILE SHAPE MFG				
325000A3	Industrial inorganic chemicals	X	83 594	X	N
32513107	Inorganic pigments	X	41 959	X	33 307
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	1 003 490	X	771 953
325100A1	Industrial organic and synthetic organic chemicals, including plasticizers (except synthetic dyes, pigments, and toners)	X	77 466	X	57 997
32513200	Synthetic dyes, pigments, lakes, and toners	X	13 679	X	15 583
325000A3	All other chemical and allied products	X	56 535	X	20 402
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	125 355	X	53 783
32599100	Custom compounded plastics resins (purchased)	X	43 882	X	23 605
32721209	Textile-type glass fiber	X	D	X	1 559
32210015	Paper and paperboard products except paperboard boxes, containers, and corrugated paperboard	X	20 050	X	12 713
32221001	Paperboard containers, boxes, and corrugated paperboard	X	71 259	X	40 705
33322000	Parts and attachments specially designed for plastics working machinery	X	D	X	7 173
00970099	All other materials and components, parts, containers, and supplies	X	168 318	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	192 873	X	165 641
	326122, PLASTICS PIPE & PIPE FITTING MFG				
32121909	Hardboard	X	4 386	X	N
325000A3	Industrial inorganic chemicals	X	1 647	X	N
32513107	Inorganic pigments	X	3 223	X	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	2 012 352	X	N
325100A1	Industrial organic and synthetic organic chemicals, including plasticizers (except synthetic dyes, pigments, and toners)	X	25 504	X	N
32513200	Synthetic dyes, pigments, lakes, and toners	X	18 212	X	N
325000A3	All other chemical and allied products	X	D	X	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	47 109	X	N
32599100	Custom compounded plastics resins (purchased)	X	119 582	X	N
32721209	Textile-type glass fiber	X	11 667	X	N
31321017	Broadwoven fabrics	X	3 025	X	N
32210015	Paper and paperboard products except paperboard boxes, containers, and corrugated paperboard	X	951	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	10 036	X	N
33322000	Parts and attachments specially designed for plastics working machinery	X	D	X	N
00999803	Spent or post-consumer plastics (purchased)	X	17 090	X	N
00970099	All other materials and components, parts, containers, and supplies	X	184 459	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	264 525	X	N
	326130, LAMINATED PLASTICS PLATE, SHEET, & SHAPE MFG				
325000A3	Industrial inorganic chemicals	X	10 514	X	6 784
32513107	Inorganic pigments	X	4 905	X	4 952
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	288 300	X	131 320
325100A1	Industrial organic and synthetic organic chemicals, including plasticizers (except synthetic dyes, pigments, and toners)	X	18 108	X	23 433
32513200	Synthetic dyes, pigments, lakes, and toners	X	852	X	1 873
325000A3	All other chemical and allied products	X	23 492	X	9 840
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	193 099	X	136 676
32599100	Custom compounded plastics resins (purchased)	X	15 946	X	13 835
32721209	Textile-type glass fiber	X	107 360	X	59 679
32210015	Paper and paperboard products except paperboard boxes, containers, and corrugated paperboard	X	334 522	X	233 406
32221001	Paperboard containers, boxes, and corrugated paperboard	X	D	X	11 151
33322000	Parts and attachments specially designed for plastics working machinery	X	D	X	1 438
00970099	All other materials and components, parts, containers, and supplies	X	242 641	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	172 669	X	172 494
	326140, POLYSTYRENE FOAM PRODUCT MFG				
325000A3	Industrial inorganic chemicals	X	38 059	X	N
325100A1	Industrial organic and synthetic organic chemicals, including plasticizers (except synthetic dyes, pigments, and toners)	X	73 433	X	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	701 771	X	N
32599100	Custom compounded plastics resins (purchased)	X	16 866	X	N
325000A1	All other chemicals and allied products	X	D	X	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	52 256	X	N
32721209	Textile-type glass fiber	X	D	X	N
31321017	Broadwoven fabrics	X	D	X	N
32210015	Paper and paperboard products except paperboard boxes, containers, and corrugated paperboard	X	47 698	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	66 798	X	N
00970099	All other materials and components, parts, containers, and supplies	X	294 384	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	496 787	X	N
	326150, URETHANE & OTHER FOAM PRODUCT (EXCEPT POLYSTYRENE) MFG				
325000A3	Industrial inorganic chemicals	X	48 760	X	N
325100A1	Industrial organic and synthetic organic chemicals, including plasticizers (except synthetic dyes, pigments, and toners)	X	645 739	X	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	517 072	X	N
32599100	Custom compounded plastics resins (purchased)	X	43 471	X	N
325000A1	All other chemicals and allied products	X	251 184	X	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	270 219	X	N
32721209	Textile-type glass fiber	X	26 046	X	N
31321017	Broadwoven fabrics	X	29 565	X	N
32210015	Paper and paperboard products except paperboard boxes, containers, and corrugated paperboard	X	23 144	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	30 991	X	N
00970099	All other materials and components, parts, containers, and supplies	X	886 132	X	N

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		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	326150, URETHANE & OTHER FOAM PRODUCT (EXCEPT POLYSTYRENE) MFG—Con.				
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	820 279	X	N
	326160, PLASTICS BOTTLE MFG				
325000A3	Industrial inorganic chemicals	X	238	X	D
32513107	Inorganic pigments	X	D	X	3 431
32513200	Synthetic dyes, pigments, lakes, and toners	X	15 827	X	11 161
325100A1	Industrial organic and synthetic organic chemicals, including plasticizers (except synthetic dyes, pigments, and toners)	X	4 111	X	D
325000A3	All other chemical and allied products	X	2 479	X	276
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	1 791 901	X	1 361 002
32599100	Custom compounded plastics resins (purchased)	X	18 789	X	28 958
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	373 502	X	158 069
00999803	Spent or post-consumer plastics (purchased)	X	D	X	N
32210015	Paper and paperboard products except paperboard boxes, containers, and corrugated paperboard	X	26 299	X	13 655
32221001	Paperboard containers, boxes, and corrugated paperboard	X	211 451	X	176 463
32121909	Hardboard	X	2 633	X	D
33322000	Parts and attachments specially designed for plastics working machinery	X	10 850	X	23 672
00970099	All other materials and components, parts, containers, and supplies	X	215 163	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	241 810	X	136 123
	326191, PLASTICS PLUMBING FIXTURE MFG				
32121909	Hardboard	X	15 212	X	6 222
325000A3	Industrial inorganic chemicals	X	7 524	X	8 279
32513107	Inorganic pigments	X	2 389	X	1 203
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	140 090	X	91 332
325100A1	Industrial organic and synthetic organic chemicals, including plasticizers (except synthetic dyes, pigments, and toners)	X	15 693	X	1 510
32513200	Synthetic dyes, pigments, lakes, and toners	X	973	X	855
325000A3	All other chemical and allied products	X	17 261	X	12 404
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	108 529	X	50 341
32599100	Custom compounded plastics resins (purchased)	X	7 263	X	1 233
32721209	Textile-type glass fiber	X	34 601	X	14 351
31321017	Broadwoven fabrics	X	D	X	D
32210015	Paper and paperboard products except paperboard boxes, containers, and corrugated paperboard	X	2 547	X	D
32221001	Paperboard containers, boxes, and corrugated paperboard	X	25 032	X	15 007
33322000	Parts and attachments specially designed for plastics working machinery	X	D	X	D
00999803	Spent or post-consumer plastics (purchased)	X	D	X	N
00970099	All other materials and components, parts, containers, and supplies	X	172 362	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	278 385	X	62 078
	326192, RESILIENT FLOOR COVERING MFG				
32510059	Plasticizers	X	71 164	X	N
32513001	Pigments, organic and inorganic	X	26 195	X	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	244 560	X	N
32521205	Synthetic rubber	X	D	X	N
325000A3	Other chemicals and allied products	X	50 510	X	N
32212037	Floor covering felts	X	66 780	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	D	X	N
00970099	All other materials and components, parts, containers, and supplies	X	115 845	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	93 446	X	N
	326199, ALL OTHER PLASTICS PRODUCT MFG				
32121909	Hardboard	X	63 635	X	N
325000A3	Industrial inorganic chemicals	X	84 615	X	N
32513107	Inorganic pigments	X	167 762	X	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	9 402 922	X	N
325100A1	Industrial organic and synthetic organic chemicals, including plasticizers (except synthetic dyes, pigments, and toners)	X	332 522	X	N
32513200	Synthetic dyes, pigments, lakes, and toners	X	246 293	X	N
325000A3	All other chemical and allied products	X	340 458	X	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	2 473 860	X	N
32599100	Custom compounded plastics resins (purchased)	X	469 302	X	N
32721209	Textile-type glass fiber	X	443 864	X	N
31321017	Broadwoven fabrics	X	116 155	X	N
32210015	Paper and paperboard products except paperboard boxes, containers, and corrugated paperboard	X	204 477	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	764 200	X	N
33322000	Parts and attachments specially designed for plastics working machinery	X	295 697	X	N
00999803	Spent or post-consumer plastics (purchased)	X	142 698	X	N
00970099	All other materials and components, parts, containers, and supplies	X	5 143 639	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	5 646 544	X	N
	326211, TIRE MFG (EXCEPT RETREADING)				
11321005	Natural latex rubber (dry solids content)	879.3	552 069	317.4	166 381
11321003	Natural dry rubber	893.8	615 836	1 395.6	494 177
32513107	Inorganic pigments	S	118 222	172.1	80 010
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	S	40 544	63.5	31 828
32521201	Synthetic rubber, including vulcanizable elastomers	X	1 480 386	X	1 142 771
32510055	Rubber processing chemicals (accelerators, antioxidants, blowing agents, inhibitors, peptizers, etc.)	X	418 640	X	319 359
32510059	Plasticizers	^q 133.2	46 433	111.3	28 101
32518200	Carbon black	^{p2} 110.8	556 617	1 765.2	401 671
32500063	All other chemical and allied products	X	166 319	X	272 898
32629901	Reclaimed rubber, excluding "mud" and crumb or ground scrap	S	17 480	^{p36.3}	12 373

Table 1. Materials Consumed by Kind by Industry: 1997 and 1992—Con.

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	326211, TIRE MFG (EXCEPT RETREADING)—Con.				
32629905	Rubber compounds and mixtures purchased (dry rubber solids content) mil lb. .	535.8	349 603	P133.7	90 264
32600019	All other fabricated rubber products	X	91 996	X	18 656
31499201	Nylon tire cord mil lb. .	85.6	221 137	87.8	203 418
31499203	Polyester tire cord mil lb. .	189.0	392 228	149.0	322 253
31499205	Metallic tire cord mil lb. .	9389.8	424 381	570.4	620 986
31499207	All tire fabrics, and rayon, fiberglass, chafer, and other tire cord	X	193 309	X	121 701
33200081	Fabricated metal products (except forgings)	X	69 841	X	36 770
33120011	Steel wire 1,000 s tons. .	354.4	399 657	P71.7	63 846
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies	X	15 499	X	D
00970099	All other materials and components, parts, containers, and supplies	X	390 276	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	86 569	X	80 826
	326212, TIRE RETREADING				
32621107	Tread rubber (camelback)	X	180 550	X	N
32621109	Tire repair materials (rubber)	X	43 338	X	N
00999805	Pneumatic casings from used tires	X	71 380	X	N
00970099	All other materials and components, parts, containers, and supplies	X	25 941	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	95 565	X	N
	326220, RUBBER & PLASTICS HOSES & BELTING MFG				
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	195 340	X	87 220
32521201	Synthetic rubber, including vulcanizable elastomers	X	210 728	X	155 495
32510055	Rubber processing chemicals (accelerators, antioxidants, blowing agents, inhibitors, peptizers, etc.)	X	57 240	X	17 271
32510059	Plasticizers	X	23 890	X	21 895
32500037	All other chemicals and allied products	X	39 977	X	N
32518200	Carbon black	X	41 923	X	35 678
32629905	Rubber compounds and mixtures purchased (dry rubber solids content)	X	279 713	X	143 184
33251019	Metal hose fittings and couplings	X	124 816	X	55 067
33120011	Steel wire	X	95 695	X	70 015
31320003	Textile fabrics	X	263 850	X	256 732
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies	X	38 431	X	43 891
00970099	All other materials and components, parts, containers, and supplies	X	194 813	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	148 068	X	82 964
	326291, RUBBER PRODUCT MFG FOR MECHANICAL USE				
11321005	Natural latex rubber (dry solids content)	X	35 679	X	11 119
11321003	Natural dry rubber	X	66 026	X	23 134
32521115	Plastics resins (except vinyl) consumed in the form of granules, pellets, powders, liquids, etc.	X	27 731	X	N
32521139	Vinyl and vinyl copolymer resins, all forms	X	16 625	X	N
32521111	Polyurethane elastomers and plastics (except thermoplastics)	X	31 779	X	4 391
32521207	Thermoplastic polyurethane elastomers	X	4 705	X	13 587
32521203	SBR-type synthetic rubber	X	122 195	X	48 696
32521209	Polychloroprene-type synthetic rubber	X	36 822	X	12 294
32521211	Nitrile type (butadiene-acrylonitrile) synthetic rubber	X	22 696	X	11 374
32521213	Ethylene-propylene type plastics and synthetic rubber	X	63 603	X	25 087
32520007	Other plastics materials and synthetic resins, synthetic rubber, cellulosic and other manmade fibers, except glass	X	98 946	X	75 645
32629901	Reclaimed rubber, excluding "mud" and crumb or ground scrap	X	3 928	X	4 278
32629905	Rubber compounds and mixtures purchased (dry rubber solids content)	X	462 245	X	240 163
32600019	All other fabricated rubber products	X	19 688	X	80 463
32510055	Rubber processing chemicals (accelerators, antioxidants, blowing agents, inhibitors, peptizers, etc.)	X	75 019	X	45 796
32510059	Plasticizers	X	13 317	X	6 135
32510085	All other industrial organic chemicals	X	26 616	X	13 447
32518200	Carbon black	X	48 586	X	33 987
32513107	Inorganic pigments	X	12 462	X	3 034
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	34 659	X	56 171
33200081	Fabricated metal products (except forgings)	X	328 293	X	177 888
33120011	Steel wire	X	42 253	X	23 217
33120003	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	111 072	X	67 208
31320013	Cotton fabrics	X	6 113	X	N
31320015	Manmade fiber fabrics, including glass	X	24 943	X	N
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies	X	36 960	X	22 560
00970099	All other materials and components, parts, containers, and supplies	X	380 400	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	378 216	X	324 135
	326299, ALL OTHER RUBBER PRODUCT MFG				
11321005	Natural latex rubber (dry solids content)	X	156 449	X	N
11321003	Natural dry rubber	X	170 218	X	N
32521139	Vinyl and vinyl copolymer resins, all forms	X	21 552	X	N
32521115	Plastics resins (except vinyl) consumed in the form of granules, pellets, powders, liquids, etc.	X	58 487	X	N
32521111	Polyurethane elastomers and plastics (except thermoplastics)	X	111 264	X	N
32521207	Thermoplastic polyurethane elastomers	X	11 091	X	N
32521203	SBR-type synthetic rubber	X	213 726	X	N
32521209	Polychloroprene-type synthetic rubber	X	21 841	X	N
32521211	Nitrile type (butadiene-acrylonitrile) synthetic rubber	X	48 850	X	N
32521213	Ethylene-propylene type plastics and synthetic rubber	X	137 350	X	N
32520007	Other plastics materials and synthetic resins, synthetic rubber, cellulosic and other manmade fibers, except glass	X	172 116	X	N
32629901	Reclaimed rubber, excluding "mud" and crumb or ground scrap	X	6 343	X	N
32629905	Rubber compounds and mixtures purchased (dry rubber solids content)	X	252 878	X	N
32600019	All other fabricated rubber products	X	154 137	X	N
32510055	Rubber processing chemicals (accelerators, antioxidants, blowing agents, inhibitors, peptizers, etc.)	X	317 888	X	N
32510059	Plasticizers	X	52 551	X	N
32510085	All other industrial organic chemicals	X	69 182	X	N
32518200	Carbon black	X	119 503	X	N
32513107	Inorganic pigments	X	29 125	X	N

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[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	326299, ALL OTHER RUBBER PRODUCT MFG—Con.				
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	34 464	X	N
33200081	Fabricated metal products (except forgings)	X	28 521	X	N
33120011	Steel wire	X	23 398	X	N
33120003	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	20 899	X	N
31320013	Cotton fabrics	X	29 556	X	N
31320015	Manmade fiber fabrics, including glass	X	136 928	X	N
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies	X	67 863	X	N
00970099	All other materials and components, parts, containers, and supplies	X	335 141	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	756 259	X	N
	327111, VITREOUS CHINA PLUMBING FIXTURE & BATHROOM ACCESSORIES MFG				
21232011	Clay, ceramic, and refractory minerals	X	85 146	X	58 191
32221001	Paperboard containers, boxes, and corrugated paperboard	X	36 531	X	23 356
332000AC	Metal stampings	X	5 714	X	N
00970099	All other materials and components, parts, containers, and supplies	X	80 469	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	12 832	X	3 549
	327112, VITREOUS CHINA, FINE EARTHENWARE, & OTHER POTTERY PRODUCT MFG				
21232011	Clay, ceramic, and refractory minerals	X	150 399	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	38 771	X	N
332000AC	Metal stampings	X	2 431	X	N
00970099	All other materials and components, parts, containers, and supplies	X	158 745	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	40 770	X	N
	327113, PORCELAIN ELECTRICAL SUPPLY MFG				
21232011	Clay, ceramic, and refractory minerals	X	137 741	X	84 077
32221001	Paperboard containers, boxes, and corrugated paperboard	X	16 745	X	10 221
332000AC	Metal stampings	X	31 045	X	30 399
00970099	All other materials and components, parts, containers, and supplies	X	96 590	X	68 021
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	6 070	X	22 914
	327121, BRICK & STRUCTURAL CLAY TILE MFG				
21232011	Clay, ceramic, and refractory minerals	X	89 293	X	57 101
32500003	Industrial chemicals	X	24 136	X	6 334
00970099	All other materials and components, parts, containers, and supplies	X	80 632	X	96 443
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	19 124	X	29 369
	327122, CERAMIC WALL & FLOOR TILE MFG				
21232011	Clay, ceramic, and refractory minerals	X	106 860	X	78 036
32500003	Industrial chemicals	X	20 422	X	5 358
00970099	All other materials and components, parts, containers, and supplies	X	47 890	X	54 517
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	38 996	X	25 949
	327123, OTHER STRUCTURAL CLAY PRODUCT MFG				
21232011	Clay, ceramic, and refractory minerals	X	5 835	X	5 358
32500003	Industrial chemicals	X	1 360	X	934
00970099	All other materials and components, parts, containers, and supplies	X	8 862	X	D
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	6 918	X	D
	327124, CLAY REFRACTORY MFG				
21232011	Clay, ceramic, and refractory minerals	X	274 465	X	192 467
32799205	Dead-burned magnesia or magnesite	X	6 875	X	7 726
32710000	Refractories, clay or nonclay	X	90 098	X	73 275
32700005	Other stone, clay, glass, and concrete products	X	4 418	X	4 765
32500003	Industrial chemicals	X	6 241	X	1 995
00970099	All other materials and components, parts, containers, and supplies	X	60 828	X	70 691
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	38 737	X	24 605
	327125, NONCLAY REFRACTORY MFG				
21232011	Clay, ceramic, and refractory minerals	X	233 653	X	143 930
32799205	Dead-burned magnesia or magnesite	X	45 104	X	54 376
32710000	Refractories, clay or nonclay	X	D	X	60 386
32700005	Other stone, clay, glass, and concrete products	X	D	X	N
32500003	Industrial chemicals	X	21 626	X	19 409
00970099	All other materials and components, parts, containers, and supplies	X	93 882	X	69 445
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	59 415	X	60 150
	327211, FLAT GLASS MFG				
21232200	Glass sand, all types	X	78 506	X	61 579
32518105	Sodium carbonate (soda ash) (58 percent Na2O)	X	134 649	X	112 192
325000A9	Industrial inorganic chemicals, except sodium carbonate	X	42 386	X	35 828
32500055	Other chemicals and allied products	X	12 985	X	9 525
32721103	Glass (float, sheet and plate)	X	23 284	X	D
32721201	Other glass products (including glass tumblers, stemware, and tableware, excluding scrap)	X	—	X	N
32799215	Minerals and earths, ground or otherwise treated	X	D	X	D
32221001	Paperboard containers, boxes, and corrugated paperboard	X	15 471	X	22 839
32192001	Wood boxes, pallets, skids, and containers	X	67 629	X	35 974
32611301	Plastics film and sheet, unsupported	X	D	X	D
00190028	Cullet (glass scrap)	X	36 755	X	32 336
00970099	All other materials and components, parts, containers, and supplies	X	102 575	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	26 114	X	N

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	327212, OTHER PRESSED & BLOWN GLASS & GLASSWARE MFG				
21232200	Glass sand, all types	X	215 909	X	123 781
32518105	Sodium carbonate (soda ash) (58 percent Na ₂ O)	X	47 751	X	31 443
325000A9	Industrial inorganic chemicals, except sodium carbonate	X	165 951	X	147 045
32500055	Other chemicals and allied products	X	121 277	X	97 659
32721103	Glass (float, sheet and plate)	X	D	X	D
32721201	Other glass products (including glass tumblers, stemware, and tableware, excluding scrap)	X	33 413	X	14 762
32799215	Minerals and earths, ground or otherwise treated	X	47 495	X	22 282
32221001	Paperboard containers, boxes, and corrugated paperboard	X	122 355	X	86 874
32192001	Wood boxes, pallets, skids, and containers	X	32 682	X	19 739
32611301	Plastics film and sheet, unsupported	X	D	X	3 802
00190028	Cullet (glass scrap)	X	26 705	X	14 150
00970099	All other materials and components, parts, containers, and supplies	X	323 427	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	60 095	X	54 340
	327213, GLASS CONTAINER MFG				
32518105	Sodium carbonate (soda ash) (58 percent Na ₂ O)	1 663.4	186 436	1 821.9	214 176
21232200	Glass sand, all types	5 108.4	117 320	5 521.3	126 324
32741005	Lime (including quicklime and dead-burned dolomite)	1 237.4	30 407	1 560.7	36 403
32799219	Nonmetallic minerals and earths, ground or otherwise treated	518.5	26 663	P678.6	30 705
32221001	Paperboard containers, boxes, and corrugated paperboard	X	362 561	X	551 488
00190028	Cullet (glass scrap)	2 415.6	112 149	S	152 839
32611301	Plastics film and sheet, unsupported	X	12 471	X	82 642
33350003	Industrial dies, molds, jigs, and fixtures	X	55 841	X	66 911
00970099	All other materials and components, parts, containers, and supplies	X	266 588	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	47 399	X	39 900
	327215, GLASS PRODUCT MFG MADE OF PURCHASED GLASS				
21232200	Glass sand, all types	X	4 774	X	D
32518105	Sodium carbonate (soda ash) (58 percent Na ₂ O)	X	93	X	Z
325000A9	Industrial inorganic chemicals, except sodium carbonate	X	27 633	X	15 888
32500055	Other chemicals and allied products	X	66 150	X	47 291
32721103	Glass (float, sheet and plate)	X	1 546 730	X	1 117 573
32721201	Other glass products (including glass tumblers, stemware, and tableware, excluding scrap)	X	603 335	X	486 351
32799215	Minerals and earths, ground or otherwise treated	X	5 681	X	191
32221001	Paperboard containers, boxes, and corrugated paperboard	X	63 017	X	75 366
32192001	Wood boxes, pallets, skids, and containers	X	32 500	X	19 923
32611301	Plastics film and sheet, unsupported	X	170 229	X	96 060
00190028	Cullet (glass scrap)	X	2 827	X	12 309
00970099	All other materials and components, parts, containers, and supplies	X	931 087	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	519 133	X	327 384
	327310, CEMENT MFG				
32213003	Paperboard liners	X	D	X	772
32222403	Paper shipping sacks and multiwall bags	X	D	X	35 599
32200007	Other paper and paperboard products	X	7 795	X	939
32710000	Refractories, clay or nonclay	X	61 433	X	43 269
32731007	Cement clinker	X	218 967	X	160 536
32799215	Minerals and earths, ground or otherwise treated	X	152 661	X	128 037
32700007	Other stone, clay, glass, and concrete products	X	34 058	X	34 211
21231003	Crushed and broken stone (including cement rock, limestone, etc.)	X	134 062	X	72 305
00970099	All other materials and components, parts, containers, and supplies	X	409 611	X	369 290
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	143 931	X	22 636
	327320, READY-MIX CONCRETE MFG				
21232003	Sand and gravel	X	1 472 455	X	974 624
21231200	Mining and quarrying of crushed and broken limestone (including dolomite, cement rock, marl, etc.)	X	459 692	X	225 453
21231300	Mining and quarrying of crushed and broken granite (including gneiss, syenite, and diorite)	X	44 441	X	47 413
21231900	Mining and quarrying of other crushed and broken stone (riprap, slate, marble, trap rock, sandstone, quartz, etc.)	X	156 857	X	74 164
21230005	Mining and quarrying of other nonmetallic minerals, except fuels	X	23 570	X	4 135
32510003	Ready-mixed concrete chemical processing preparations and materials	X	344 474	X	230 175
32731005	Portland and blended cements	X	2 601 914	X	1 576 530
32700015	Other stone, clay, and concrete products	X	128 150	X	N
00970099	All other materials and components, parts, containers, and supplies	X	396 688	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	2 948 576	X	2 366 190
	327331, CONCRETE BLOCK & BRICK MFG				
32731003	Portland cement	X	206 835	X	137 341
32732000	Ready-mixed concrete	X	26 116	X	5 105
32700011	Other stone, clay, glass, and concrete products	X	46 636	X	36 139
21231003	Crushed and broken stone (including cement rock, limestone, etc.)	X	57 410	X	34 578
21232003	Sand and gravel	X	114 137	X	78 114
21230007	Other mining and quarrying of nonmetallic minerals, except fuels	X	25 219	X	20 102
33120053	Steel wire strand and bars or rods, high strength, stress relieved	X	2 342	X	843
33120093	Welded steel wire concrete reinforcing mesh	X	1 565	X	1 034
33120009	Steel concrete reinforcing bars	X	763	X	1 566
33120055	Other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	2 722	X	649
331000AJ	Nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	1 262	X	1 274
00970099	All other materials and components, parts, containers, and supplies	X	165 836	X	78 947
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	299 240	X	215 632
	327332, CONCRETE PIPE MFG				
32731003	Portland cement	X	153 286	X	N
32732000	Ready-mixed concrete	X	10 978	X	N
32700011	Other stone, clay, glass, and concrete products	X	30 267	X	N
21231003	Crushed and broken stone (including cement rock, limestone, etc.)	X	14 791	X	N
21232003	Sand and gravel	X	69 696	X	N
21230007	Other mining and quarrying of nonmetallic minerals, except fuels	X	5 474	X	N
33120053	Steel wire strand and bars or rods, high strength, stress relieved	X	40 507	X	N

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		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
327332, CONCRETE PIPE MFG—Con.					
33120093	Welded steel wire concrete reinforcing mesh	X	86 722	X	N
33120009	Steel concrete reinforcing bars	X	26 935	X	N
33120055	Other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	21 230	X	N
331000AJ	Nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	19 624	X	N
00970099	All other materials and components, parts, containers, and supplies	X	89 168	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	89 380	X	N
327390, OTHER CONCRETE PRODUCT MFG					
32731003	Portland cement	X	253 357	X	N
32732000	Ready-mixed concrete	X	80 022	X	N
32700011	Other stone, clay, glass, and concrete products	X	42 820	X	N
21231003	Crushed and broken stone (including cement rock, limestone, etc.)	X	26 993	X	N
21232003	Sand and gravel	X	129 405	X	N
21230007	Other mining and quarrying of nonmetallic minerals, except fuels	X	21 906	X	N
33120053	Steel wire strand and bars or rods, high strength, stress relieved	X	120 370	X	N
33120093	Welded steel wire concrete reinforcing mesh	X	43 482	X	N
33120009	Steel concrete reinforcing bars	X	83 595	X	N
33120055	Other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	47 745	X	N
331000AJ	Nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	16 975	X	N
00970099	All other materials and components, parts, containers, and supplies	X	460 304	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	714 320	X	N
327410, LIME MFG					
32213003	Paperboard liners	X	D	X	D
32222403	Paper shipping sacks and multiwall bags	X	20 956	X	8 369
32200007	Other paper and paperboard products	X	D	X	750
32710000	Refractories, clay or nonclay	X	16 631	X	20 610
32731007	Cement clinker	X	D	X	N
32799215	Minerals and earths, ground or otherwise treated	X	2 763	X	1 975
32700007	Other stone, clay, glass, and concrete products	X	1 315	X	D
21231003	Crushed and broken stone (including cement rock, limestone, etc.)	X	145 428	X	62 674
00970099	All other materials and components, parts, containers, and supplies	X	55 171	X	82 216
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	7 745	X	4 423
327420, GYPSUM PRODUCT MFG					
32213003	Paperboard liners	X	377 002	X	108 162
32222403	Paper shipping sacks and multiwall bags	X	D	X	N
32200007	Other paper and paperboard products	X	233 438	X	N
32710000	Refractories, clay or nonclay	X	D	X	584
32731007	Cement clinker	X	D	X	D
32799215	Minerals and earths, ground or otherwise treated	X	200 242	X	93 331
32700007	Other stone, clay, glass, and concrete products	X	39 728	X	29 830
21231003	Crushed and broken stone (including cement rock, limestone, etc.)	X	266 924	X	122 223
00970099	All other materials and components, parts, containers, and supplies	X	501 353	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	37 181	X	N
327910, ABRASIVE PRODUCT MFG					
21239017	Natural abrasive materials, except diamonds	X	286 311	X	N
00190039	Diamonds	X	94 322	X	N
31320005	Cotton and manmade fiber fabrics, broadwoven and narrow woven	X	148 490	X	N
32200001	Paper and paperboard products including paperboard boxes, containers, and corrugated paperboard	X	134 268	X	N
325000A3	Industrial inorganic chemicals	X	71 877	X	N
32552003	Glues and adhesives	X	56 929	X	N
32500035	Other chemicals and allied products	X	43 152	X	N
00970099	All other materials and components, parts, containers, and supplies	X	492 051	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	146 289	X	N
327991, CUT STONE & STONE PRODUCT MFG					
21231100	Rough blocks used to produce dressed stone	X	139 332	X	82 641
32791003	Abrasives and abrasive products	X	8 958	X	4 753
33221200	Stonecutting tools and accessories (including blades)	X	19 353	X	12 423
00970099	All other materials and components, parts, containers, and supplies	X	45 533	X	29 475
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	99 082	X	132 954
327993, MINERAL WOOL MFG					
21232400	Kaolin and ball clay	X	29 776	X	9 255
21239301	Mining and quarrying of chemical and fertilizer minerals (including barite, borate, potash, fluorspar, and rocksalt)	X	69 679	X	44 202
21230001	Mining and quarrying of other nonmetallic minerals, except fuels	X	174 061	X	111 832
31320005	Cotton and manmade fiber fabrics, broadwoven and narrow woven	X	20 995	X	21 350
32222403	Paper shipping sacks and multiwall bags	X	49 636	X	13 016
32220011	Other converted paper and paperboard products	X	45 091	X	37 001
32200007	Other paper and paperboard products	X	49 265	X	51 604
325000A3	Industrial inorganic chemicals	X	74 948	X	33 648
32521101	Plastics materials and resins	X	69 790	X	81 157
32552003	Glues and adhesives	X	34 630	X	24 545
32500047	Other chemical and allied products	X	24 966	X	35 814
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	47 464	X	48 650
32721205	Glass fiber, textile type, bonded mat type, etc.	X	110 318	X	84 724
33111103	Crude blast furnace slag	X	22 366	X	30 306
33131511	Aluminum sheet, plate, foil, and welded tubings	X	63 062	X	9 903
32222501	Converted aluminum foil	X	9 561	X	11 025
00970099	All other materials and components, parts, containers, and supplies	X	346 257	X	259 805
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	125 481	X	85 090

Table 1. Materials Consumed by Kind by Industry: 1997 and 1992—Con.

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	327999, ALL OTHER MISCELLANEOUS NONMETALLIC MINERAL PRODUCT MFG				
32731003	Portland cement	X	101 736	X	N
32732000	Ready-mixed concrete	X	1 501	X	N
21232003	Sand and gravel	X	88 492	X	N
32521101	Plastics materials and resins	X	18 193	X	N
32552003	Glues and adhesives	X	2 904	X	N
32500047	Other chemical and allied products	X	7 092	X	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	3 746	X	N
00970099	All other materials and components, parts, containers, and supplies	X	345 839	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	157 972	X	N
	331111, IRON & STEEL MILLS				
33120081	Steel rod for wiredrawing	D	D	N	N
33120067	Steel wire for redrawing	D	D	N	N
33120075	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	3 654 876	X	N
33111203	Ferromanganese, silicomanganese, and manganese shapes and forms (exc. castings, forgings, and fabricated metal products)	654.7	404 289	N	N
33111205	Ferrochromium shapes and forms (except castings, forgings, and fabricated metal products)	217.5	162 456	N	N
33111207	Ferrosilicon (more than 8 percent silicon) shapes and forms (except castings, forgings, and fabricated metal products)	155.5	120 807	N	N
33111209	Ferrovanadium	5.9	78 248	N	N
33111201	Other ferroalloy shapes and forms (including silvery iron, ferrotungsten, ferromolybdenum, ferronickel, etc.)	222.7	258 808	N	N
331000AE	All other ferrous shapes and forms (except castings, forgings, and fabricated metal products)	P76.1	124 642	N	N
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	217 999	X	N
33141933	Nickel (except ferronickel) shapes and forms (except castings, forgings, and fabricated metal products)	37.8	231 389	N	N
33141939	Tin shapes and forms (except castings, forgings, and fabricated metal products)	8.1	45 873	N	N
33149105	Zinc and zinc-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	P208.1	262 653	N	N
33141913	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	181 754	X	N
33151103	Gray iron ingot molds and stools	X	29 352	X	N
33151007	All other iron and steel castings	X	149 742	X	N
32712400	Clay refractories	X	243 958	X	N
32712500	Nonclay refractories	X	223 997	X	N
32799207	Limestone fluxes	X	381 668	X	N
32741007	Lime fluxes, including quicklime	X	311 765	X	N
32741009	Dead-burned dolomite fluxes	X	89 844	X	N
32799209	Fluorspar fluxes	X	10 120	X	N
32799211	Other fluxes	X	132 486	X	N
32700013	All other stone, clay, glass, and concrete products	X	14 029	X	N
32500011	Industrial chemicals (except sulfuric acid and oxygen)	X	87 206	X	N
32512003	Oxygen (including high and low purity) (liquid oxygen should be converted to its gaseous equivalent)	X	425 858	X	N
32518803	Sulfuric acid (new and spent) (100 percent H2SO4)	X	13 653	X	N
32500039	All other chemicals and allied products	X	31 965	X	N
21221011	Mining crude iron ore and iron ore concentrates, including pelletized and manganiferous (gross weight)	32 342.2	1 351 456	N	N
21221009	Mining iron ore agglomerates, including pelletized and manganiferous (gross weight)	52 003.3	1 893 821	N	N
21229901	Mining manganese ore (including 10 percent manganese) and ferroalloy ore	X	23 056	X	N
21220013	All other metal mining	X	—	X	N
21211001	Coal used in the production of coke	28 355.4	1 379 566	N	N
00190023	Iron and steel scrap, excluding home scrap	48 134.3	6 160 824	N	N
00190053	Direct-reduced iron (DRI)	929.2	116 007	N	N
33120045	Pig iron shapes and forms (except silvery iron, castings, forgings, and fabricated metal products)	2 568.8	692 283	N	N
32410017	Lubricating oils and greases and other petroleum products	X	165 672	X	N
33350003	Industrial dies, molds, jigs, and fixtures	X	69 374	X	N
33599103	Carbon and graphite electrodes	X	916 599	X	N
00970099	All other materials and components, parts, containers, and supplies	X	5 004 948	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	874 082	X	N
	331112, ELECTROMETALLURGICAL FERROALLOY PRODUCT MFG				
33120075	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	N
33111203	Ferromanganese, silicomanganese, and manganese shapes and forms (exc. castings, forgings, and fabricated metal products)	D	D	N	N
33111205	Ferrochromium shapes and forms (except castings, forgings, and fabricated metal products)	D	D	N	N
33111207	Ferrosilicon (more than 8 percent silicon) shapes and forms (except castings, forgings, and fabricated metal products)	7.3	4 050	N	N
33111209	Ferrovanadium	D	D	N	N
33111201	Other ferroalloy shapes and forms (including silvery iron, ferrotungsten, ferromolybdenum, ferronickel, etc.)	D	D	N	N
331000AE	All other ferrous shapes and forms (except castings, forgings, and fabricated metal products)	—	—	N	N
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	10 619	X	N
33141933	Nickel (except ferronickel) shapes and forms (except castings, forgings, and fabricated metal products)	1.7	11 442	N	N
33141913	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	92 785	X	N
33151103	Gray iron ingot molds and stools	X	84	X	N
33151007	All other iron and steel castings	X	1 557	X	N
32712400	Clay refractories	X	1 316	X	N
32712500	Nonclay refractories	X	11 517	X	N
32799207	Limestone fluxes	X	D	X	N
32741007	Lime fluxes, including quicklime	X	D	X	N

Table 1. Materials Consumed by Kind by Industry: 1997 and 1992—Con.

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
331112, ELECTROMETALLURGICAL FERROALLOY PRODUCT MFG—Con.					
32741009	Dead-burned dolomite fluxes	X	D	X	N
32799209	Fluorspar fluxes	X	D	X	N
32799211	Other fluxes	X	D	X	N
32700013	All other stone, clay, glass, and concrete products	X	6 196	X	N
32500011	Industrial chemicals (except sulfuric acid and oxygen)	X	4 563	X	N
32512003	Oxygen (including high and low purity) (liquid oxygen should be converted to its gaseous equivalent)	X	1 134	X	N
32518803	Sulfuric acid (new and spent) (100 percent H2SO4)	X	D	X	N
32500039	All other chemicals and allied products	X	1 593	X	N
21221011	Mining crude iron ore and iron ore concentrates, including pelletized and manganiferous (gross weight) 1,000 s tons . .	—	—	N	N
21229901	Mining manganese ore (including 10 percent manganese) and ferroalloy ore	X	D	X	N
21220013	All other metal mining	X	—	X	N
21211001	Coal used in the production of coke 1,000 s tons . .	D	D	N	N
00190023	Iron and steel scrap, excluding home scrap 1,000 s tons . .	S	46 057	N	N
33120045	Pig iron shapes and forms (except silvery iron, castings, forgings, and fabricated metal products) 1,000 s tons . .	D	D	N	N
32410017	Lubricating oils and greases and other petroleum products	X	890	X	N
33350003	Industrial dies, molds, jigs, and fixtures	X	249	X	N
33599103	Carbon and graphite electrodes	X	32 231	X	N
00970099	All other materials and components, parts, containers, and supplies	X	246 783	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	8 586	X	N
331210, IRON & STEEL PIPES & TUBES MFG FROM PURCHASED STEEL					
33120075	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	3 114 161	X	2 126 410
33111203	Ferromanganese, silicomanganese, and manganese shapes and forms (exc. castings, forgings, and fabricated metal products) 1,000 s tons . .	—	—	D	D
33111205	Ferrochromium shapes and forms (except castings, forgings, and fabricated metal products) 1,000 s tons . .	—	—	D	D
33111207	Ferrosilicon (more than 8 percent silicon) shapes and forms (except castings, forgings, and fabricated metal products) 1,000 s tons . .	—	—	D	D
331000AE	All other ferrous shapes and forms (except castings, forgings, and fabricated metal products) 1,000 s tons . .	D	D	S	41 877
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	226	X	D
33141933	Nickel (except ferronickel) shapes and forms (except castings, forgings, and fabricated metal products) 1,000 s tons . .	D	D	D	D
33141939	Tin shapes and forms (except castings, forgings, and fabricated metal products) 1,000 s tons . .	—	—	D	D
33149105	Zinc and zinc-base alloy shapes and forms (except castings, forgings, and fabricated metal products) 1,000 s tons . .	16.5	20 247	D	D
33141913	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	97 963	X	32 245
33151103	Gray iron ingot molds and stools	X	—	X	D
33151007	All other iron and steel castings	X	—	X	D
32712400	Clay refractories	X	—	X	D
32712500	Nonclay refractories	X	—	X	D
32741007	Lime fluxes, including quicklime	X	34	X	D
32799211	Other fluxes	X	1 294	X	Z
32700013	All other stone, clay, glass, and concrete products	X	—	X	D
32500011	Industrial chemicals (except sulfuric acid and oxygen)	X	11 006	X	5 604
32512003	Oxygen (including high and low purity) (liquid oxygen should be converted to its gaseous equivalent)	X	887	X	92
32518803	Sulfuric acid (new and spent) (100 percent H2SO4)	X	502	X	931
32500039	All other chemicals and allied products	X	275	X	D
21221011	Mining crude iron ore and iron ore concentrates, including pelletized and manganiferous (gross weight) 1,000 s tons . .	—	—	D	D
00190023	Iron and steel scrap, excluding home scrap 1,000 s tons . .	—	—	D	D
33120045	Pig iron shapes and forms (except silvery iron, castings, forgings, and fabricated metal products) 1,000 s tons . .	—	—	D	D
32410017	Lubricating oils and greases and other petroleum products	X	15 968	X	5 076
33350003	Industrial dies, molds, jigs, and fixtures	X	10 427	X	6 122
33599103	Carbon and graphite electrodes	X	—	X	D
00970099	All other materials and components, parts, containers, and supplies	X	517 436	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	435 407	X	483 783
331221, COLD-ROLLED STEEL SHAPE MFG					
33120081	Steel rod for wiredrawing 1,000 s tons . .	156.8	89 015	P164.1	76 789
33120067	Steel wire for redrawing 1,000 s tons . .	S	168 133	D	D
33120075	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	2 473 838	X	2 415 777
33111201	Other ferroalloy shapes and forms (including silvery iron, ferrotungsten, ferromolybdenum, ferronickel, etc.) 1,000 s tons . .	D	D	D	D
331000AE	All other ferrous shapes and forms (except castings, forgings, and fabricated metal products) 1,000 s tons . .	—	—	D	D
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	D
33141933	Nickel (except ferronickel) shapes and forms (except castings, forgings, and fabricated metal products) 1,000 s tons . .	D	D	D	D
33141939	Tin shapes and forms (except castings, forgings, and fabricated metal products) 1,000 s tons . .	D	D	D	D
33149105	Zinc and zinc-base alloy shapes and forms (except castings, forgings, and fabricated metal products) 1,000 s tons . .	D	D	D	D
33141913	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	D
33151007	All other iron and steel castings	X	D	X	3 492
32712400	Clay refractories	X	D	X	D
32741007	Lime fluxes, including quicklime	X	D	X	D
32500011	Industrial chemicals (except sulfuric acid and oxygen)	X	12 322	X	10 534
32512003	Oxygen (including high and low purity) (liquid oxygen should be converted to its gaseous equivalent)	X	D	X	D
32518803	Sulfuric acid (new and spent) (100 percent H2SO4)	X	2 063	X	184
32500039	All other chemicals and allied products	X	3 132	X	1 667
00190023	Iron and steel scrap, excluding home scrap 1,000 s tons . .	—	—	D	D

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	331221, COLD-ROLLED STEEL SHAPE MFG—Con.				
32410017	Lubricating oils and greases and other petroleum products	X	10 307	X	11 802
33350003	Industrial dies, molds, jigs, and fixtures	X	1 081	X	1 219
00970099	All other materials and components, parts, containers, and supplies	X	904 815	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	213 147	X	83 208
	331222, STEEL WIRE DRAWING				
33120081	Steel rod for wiredrawing1,000 s tons..	P3 815.4	1 568 597	N	N
33120067	Steel wire for redrawing1,000 s tons..	546.5	253 232	N	N
33120075	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	176 620	X	N
33111203	Ferromanganese, silicomanganese, and manganese shapes and forms (exc. castings, forgings, and fabricated metal products)1,000 s tons..	D	D	N	N
33111205	Ferrochromium shapes and forms (except castings, forgings, and fabricated metal products)1,000 s tons..	D	D	N	N
33111209	Ferrovanadium1,000 s tons..	D	D	N	N
33111201	Other ferroalloy shapes and forms (including silvery iron, ferrotungsten, ferromolybdenum, ferronickel, etc.)1,000 s tons..	—	—	N	N
331000AE	All other ferrous shapes and forms (except castings, forgings, and fabricated metal products)1,000 s tons..	D	D	N	N
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	4 263	X	N
33141933	Nickel (except ferronickel) shapes and forms (except castings, forgings, and fabricated metal products)1,000 s tons..	.1	1 498	N	N
33141939	Tin shapes and forms (except castings, forgings, and fabricated metal products)1,000 s tons..	D	D	N	N
33149105	Zinc and zinc-base alloy shapes and forms (except castings, forgings, and fabricated metal products)1,000 s tons..	27.1	33 127	N	N
33141913	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	13 339	X	N
33151007	All other iron and steel castings	X	D	X	N
32712400	Clay refractories	X	—	X	N
32741007	Lime fluxes, including quicklime	X	D	X	N
32799211	Other fluxes	X	D	X	N
32500011	Industrial chemicals (except sulfuric acid and oxygen)	X	6 875	X	N
32512003	Oxygen (including high and low purity) (liquid oxygen should be converted to its gaseous equivalent)	X	D	X	N
32518803	Sulfuric acid (new and spent) (100 percent H2SO4)	X	752	X	N
32500039	All other chemicals and allied products	X	11 110	X	N
00190023	Iron and steel scrap, excluding home scrap1,000 s tons..	—	—	N	N
33120045	Pig iron shapes and forms (except silvery iron, castings, forgings, and fabricated metal products)1,000 s tons..	D	D	N	N
32410017	Lubricating oils and greases and other petroleum products	X	7 870	X	N
33350003	Industrial dies, molds, jigs, and fixtures	X	11 291	X	N
00970099	All other materials and components, parts, containers, and supplies	X	365 504	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	138 410	X	N
	331311, ALUMINA REFINING				
32518805	Sulfuric acid (100 percent H2SO4), except spent1,000 s tons..	D	D	N	N
32518105	Sodium carbonate (soda ash) (58 percent Na2O)1,000 s tons..	D	D	N	N
32518107	Sodium hydroxide (caustic soda)(100 percent NaOH)1,000 s tons..	9172.4	22 149	N	N
325000A5	Other industrial inorganic chemicals	X	34 394	X	N
32510091	Synthetic organic chemicals	X	D	X	N
21229903	Bauxite1,000 s tons..	11 709.8	361 988	N	N
21239001	All other crude chemical nonmetallic minerals, including barite, borate, potash, fluorspar, rock salt, etc.	X	D	X	N
33300015	Parts and attachments for machinery and equipment	X	63 571	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	—	X	N
33240000	Metal containers	X	D	X	N
00970099	All other materials and components, parts, containers, and supplies	X	111 978	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	—	X	N
	331312, PRIMARY ALUMINUM PRODUCTION				
33131209	Aluminum and aluminum-base alloy ingot1,000 s tons..	162.4	246 505	98.5	42 826
33100009	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	183 113	X	40 347
33141103	Refined unalloyed copper (cathodes, ingots, cakes, slabs, etc.) and blister or anode copper1,000 s tons..	D	D	D	D
33100015	All other copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	2 797	X	797
33149105	Zinc and zinc-base alloy shapes and forms (except castings, forgings, and fabricated metal products)1,000 s tons..	.5	520	N	N
33141937	Magnesium and magnesium-base alloy ingot	X	52 638	X	19 869
33141907	All other magnesium and magnesium-base alloy shapes and forms (except castings, forgings, and fabr. metal products)	X	15 246	X	2 226
33141927	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	47 331	X	25 129
00190040	Aluminum and aluminum-base alloy scrap (except home scrap)1,000 s tons..	D	D	N	N
00190024	Copper and copper-base alloy scrap (except home scrap)1,000 s tons..	.4	841	D	D
00190025	Lead and lead-base alloy scrap	X	—	X	D
00190026	Zinc and zinc-base alloy scrap (including drosses and skimmings)	X	—	X	D
00190052	All other nonferrous metal and metal-base alloy scrap	X	—	X	D
33131100	Alumina (gross weight)1,000 s tons..	6 209.6	1 266 680	11 048.3	1 401 473
00970099	All other materials and components, parts, containers, and supplies	X	631 398	X	936 855
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	—	X	1 592
	331314, SECONDARY SMELTING & ALLOYING OF ALUMINUM				
33131209	Aluminum and aluminum-base alloy ingot1,000 s tons..	61 590.0	284 026	N	N
33100009	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	166 064	X	N
33141103	Refined unalloyed copper (cathodes, ingots, cakes, slabs, etc.) and blister or anode copper1,000 s tons..	—	—	N	N
33100015	All other copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	N
33141929	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	N
21220015	Mining and all other nonferrous metal ores and concentrates	X	—	X	N

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	331314, SECONDARY SMELTING & ALLOYING OF ALUMINUM—Con.				
00190020	Aluminum and aluminum-base alloy scrap (excluding home scrap)	1 290.7	1 678 866	N	N
00190024	Copper and copper-base alloy scrap (except home scrap)	X	D	X	N
00190025	Lead and lead-base alloy scrap	X	D	X	N
00190026	Zinc and zinc-base alloy scrap (including drosses and skimmings)	X	D	X	N
00190052	All other nonferrous metal and metal-base alloy scrap	X	261 695	X	N
33131100	Alumina (gross weight)	—	—	N	N
00970099	All other materials and components, parts, containers, and supplies	X	184 098	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	703	X	N
	331315, ALUMINUM SHEET, PLATE, & FOIL MFG				
33131205	Unalloyed aluminum and aluminum-base alloy ingot, pig, and shot	2 026.8	2 840 312	N	N
33131207	Alloyed aluminum and aluminum-base alloy ingot, pig, and shot	1 489.7	1 566 026	N	N
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	2 152.1	1 587 266	N	N
33131600	Aluminum and aluminum-base alloy extruded shapes, including extruded rod, bar, pipe, tube, etc.	D	D	N	N
33100011	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	190 651	X	N
33141113	Copper and copper-base alloy ingot, ingot bar, and wire bar	1.9	4 234	N	N
33141111	All other copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	.4	681	N	N
33141935	Magnesium and magnesium-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	1,000 s tons..		N	N
33149105	Zinc and zinc-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	47.8	142 273	N	N
33149101	Titanium and titanium-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	5.5	6 985	N	N
		1.2	4 167	N	N
33141921	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	37 015	X	N
00190021	Aluminum and aluminum-base alloy scrap (except home scrap) from other establishments of your company	1 353.7	920 059	N	N
00190022	Aluminum and aluminum-base alloy scrap (except home scrap) from all other sources	629.3	661 748	N	N
00190024	Copper and copper-base alloy scrap (except home scrap)	D	D	N	N
00190080	Other nonferrous metal scrap (except home scrap)	D	D	N	N
00970099	All other materials and components, parts, containers, and supplies	X	1 065 680	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	—	X	N
	331316, ALUMINUM EXTRUDED PRODUCT MFG				
33131205	Unalloyed aluminum and aluminum-base alloy ingot, pig, and shot	558.1	820 314	313.0	389 399
33131207	Alloyed aluminum and aluminum-base alloy ingot, pig, and shot	908.8	1 276 928	P503.8	471 622
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	.8	4 260	.8	5 978
33131600	Aluminum and aluminum-base alloy extruded shapes, including extruded rod, bar, pipe, tube, etc.	222.9	217 119	393.0	271 143
33100011	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	406 558	X	307 199
33141101	Copper and copper-base alloy cathodes	D	D	N	N
33141113	Copper and copper-base alloy ingot, ingot bar, and wire bar	D	D	N	N
33141111	All other copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	2.9	4 826	.5	897
33141935	Magnesium and magnesium-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	1,000 s tons..		3.8	8 841
33141925	Nickel and nickel-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	7.8	22 938		
		D	D	D	D
33149105	Zinc and zinc-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	D	D	D	D
33141945	Molybdenum and molybdenum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	—	—	N	N
33141949	Tin and tin-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	D	D	D	D
33149101	Titanium and titanium-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	.8	2 584	.7	2 338
33141903	Precious metals and precious metal alloy shapes and forms (except castings, forgings, and fabricated metal products)	—	—	N	N
33142101	Brass shapes and forms (except castings, forgings, and fabricated metal products)	D	D	N	N
33141921	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	10 847	X	5 006
00190021	Aluminum and aluminum-base alloy scrap (except home scrap) from other establishments of your company	111.5	149 921	57.0	66 926
00190022	Aluminum and aluminum-base alloy scrap (except home scrap) from all other sources	226.1	232 486	P157.4	165 943
00190024	Copper and copper-base alloy scrap (except home scrap)	1.9	8 413	D	D
00190080	Other nonferrous metal scrap (except home scrap)	D	D	D	D
00970099	All other materials and components, parts, containers, and supplies	X	275 064	X	289 734
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	—	X	135 741
	331319, OTHER ALUMINUM ROLLING & DRAWING				
33131205	Unalloyed aluminum and aluminum-base alloy ingot, pig, and shot	139.3	217 042	D	D
33131207	Alloyed aluminum and aluminum-base alloy ingot, pig, and shot	32.7	68 978	7.5	9 445
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	D	D	D	D
33131600	Aluminum and aluminum-base alloy extruded shapes, including extruded rod, bar, pipe, tube, etc.	P193.3	166 644	D	D
33100011	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	242 366	X	D
33141101	Copper and copper-base alloy cathodes	D	D	N	X
33141113	Copper and copper-base alloy ingot, ingot bar, and wire bar	D	D	N	X
33141111	All other copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	P1.2	2 454	D	D
33141935	Magnesium and magnesium-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	1.3	3 878	1.2	3 213
33141925	Nickel and nickel-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	D	D	D	D
33149105	Zinc and zinc-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	D	D	D	D
33149101	Titanium and titanium-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	D	D	D	

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[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	331319, OTHER ALUMINUM ROLLING & DRAWING—Con.				
33141921	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	9 047	X	7 710
00190021	Aluminum and aluminum-base alloy scrap (except home scrap) from other establishments of your company	D	D	23.0	23 139
00190022	Aluminum and aluminum-base alloy scrap (except home scrap) from all other sources	D	D	D	D
00190080	Other nonferrous metal scrap (except home scrap)	—	—	D	D
00970099	All other materials and components, parts, containers, and supplies	X	70 661	X	11
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	3 352	X	N
	331411, PRIMARY SMELTING & REFINING OF COPPER				
33131209	Aluminum and aluminum-base alloy ingot	D	D	N	N
33100009	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	—	X	D
33141103	Refined unalloyed copper (cathodes, ingots, cakes, slabs, etc.) and blister or anode copper	1 729.3	3 411 290	2 331.8	1 764 585
33100015	All other copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	D
33141903	Precious metals and precious metal alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	N
33141907	All other magnesium and magnesium-base alloy shapes and forms (except castings, forgings, and fabr. metal products)	X	—	X	D
33141927	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	D
21223400	Mining copper ores, concentrates and precipitates (gross weight)	S	922 003	4 228.7	2 148 819
21220009	Mining precious metal ores and concentrates	X	D	X	D
21220015	Mining and all other nonferrous metal ores and concentrates	X	D	X	N
00190024	Copper and copper-base alloy scrap (except home scrap)	D	D	D	D
00190052	All other nonferrous metal and metal-base alloy scrap	X	—	D	N
00970099	All other materials and components, parts, containers, and supplies	X	83 181	X	127 726
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	165 562	X	2 030
	331419, OTHER NONFERROUS METAL PRIMARY SMELTING & REFINING				
33131209	Aluminum and aluminum-base alloy ingot	D	D	D	D
33100009	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	D
33141103	Refined unalloyed copper (cathodes, ingots, cakes, slabs, etc.) and blister or anode copper	D	D	D	D
33100015	All other copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	D
33141923	Lead-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	6 742	X	N
33149105	Zinc and zinc-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	92.8	79 715	N	N
33141939	Tin shapes and forms (except castings, forgings, and fabricated metal products)	X	35 220	X	N
33141903	Precious metals and precious metal alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	60 126	X	N
33141907	All other magnesium and magnesium-base alloy shapes and forms (except castings, forgings, and fabr. metal products)	X	D	X	D
33141927	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	100 935	X	D
21223400	Mining copper ores, concentrates and precipitates (gross weight)	D	D	D	D
21220015	Mining and all other nonferrous metal ores and concentrates	X	588 130	X	N
21220009	Mining precious metal ores and concentrates	X	D	X	D
00190040	Aluminum and aluminum-base alloy scrap (except home scrap)	D	D	N	N
00190024	Copper and copper-base alloy scrap (except home scrap)	D	D	D	D
00190025	Lead and lead-base alloy scrap	X	D	D	D
00190026	Zinc and zinc-base alloy scrap (including drosses and skimmings)	X	D	X	D
00190027	Template scrap (including shredded steel can scrap)	X	D	X	D
00190051	Precious metal and precious metal alloy scrap	X	61 535	X	D
00190052	All other nonferrous metal and metal-base alloy scrap	X	159 711	X	D
33131100	Alumina (gross weight)	D	D	N	N
00970099	All other materials and components, parts, containers, and supplies	X	324 204	X	361 662
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	44 832	X	108 124
	331421, COPPER ROLLING, DRAWING, & EXTRUDING				
33131205	Unalloyed aluminum and aluminum-base alloy ingot, pig, and shot	D	D	D	D
33131207	Alloyed aluminum and aluminum-base alloy ingot, pig, and shot	D	D	D	D
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	D	D	D	D
33131600	Aluminum and aluminum-base alloy extruded shapes, including extruded rod, bar, pipe, tube, etc.	9.1	10 073	1.3	1 653
33100011	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	—	X	D
33141101	Copper and copper-base alloy cathodes	2 517.7	1 133 891	1 167.3	957 116
33141113	Copper and copper-base alloy ingot, ingot bar, and wire bar	81.4	251 682	N	N
33141111	All other copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	439.5	1 157 066	577.8	969 751
33141935	Magnesium and magnesium-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	D	D	D	D
33141925	Nickel and nickel-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	1.4	38 044	1.6	12 922
33149105	Zinc and zinc-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	55.7	83 559	51.9	70 537
33141949	Tin and tin-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	4.8	12 897	1.5	4 439
33149101	Titanium and titanium-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	—	—	D	D
33141903	Precious metals and precious metal alloy shapes and forms (except castings, forgings, and fabricated metal products)	66.6	26 222	D	D
33142101	Brass shapes and forms (except castings, forgings, and fabricated metal products)	D	D	131.6	340 510
33141921	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	37 475
00190021	Aluminum and aluminum-base alloy scrap (except home scrap) from other establishments of your company	D	D	D	D
00190022	Aluminum and aluminum-base alloy scrap (except home scrap) from all other sources	—	—	D	D

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NAICS material code	Industry and materials consumed	1997		1992		
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)	
	331421, COPPER ROLLING, DRAWING, & EXTRUDING—Con.					
00190024	Copper and copper-base alloy scrap (except home scrap)	1,000 s tons . .	564.3	1 286 890	679.9	1 372 146
00190080	Other nonferrous metal scrap (except home scrap)	1,000 s tons . .	D	D	17.1	20 137
00970099	All other materials and components, parts, containers, and supplies		X	192 007	X	224 631
00971000	Materials, ingredients, containers, and supplies, n.s.k.		X	67 555	X	131 927
	331422, COPPER WIRE (EXCEPT MECHANICAL) DRAWING					
33122200	Bare steel wire	1,000 s tons . .	D	D	N	N
33142127	Unalloyed copper and copper-base alloy rods	mil lb . .	P210.1	234 660	N	N
33142129	Alloyed copper and copper-base alloy rods	mil lb . .	D	D	N	N
33142119	Copper and copper-base alloy wire for redrawing	mil lb . .	34.0	39 897	N	N
33100091	Bare copper and copper-base alloy wire, electrical (except wire for redrawing)	mil lb . .	8.0	12 248	N	N
331000A5	Insulated copper wire and cable		X	56 280	X	N
33142147	All other copper and copper-base alloy shapes and forms including wire bar	mil lb . .	47.2	70 559	N	N
33100079	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)		X	103 026	X	N
32500029	All other chemicals and allied products	mil lb . .	P43.6	43 314	N	N
00970099	All other materials and components, parts, containers, and supplies		X	58 882	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.		X	—	X	N
	331423, SECONDARY SMELTING, REFINING, & ALLOYING OF COPPER					
33100009	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)		X	1 104	X	N
33141103	Refined unalloyed copper (cathodes, ingots, cakes, slabs, etc.) and blister or anode copper	1,000 s tons . .	2.4	4 933	N	N
33100015	All other copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)		X	154 110	X	N
33141929	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)		X	2 258	X	N
00190020	Aluminum and aluminum-base alloy scrap (excluding home scrap)	1,000 s tons . .	9	957	N	N
00190024	Copper and copper-base alloy scrap (except home scrap)		X	578 538	X	N
00190025	Lead and lead-base alloy scrap		X	952	X	N
00190026	Zinc and zinc-base alloy scrap (including drosses and skimmings)		X	1 717	X	N
00190052	All other nonferrous metal and metal-base alloy scrap		X	26 157	X	N
00970099	All other materials and components, parts, containers, and supplies		X	12 779	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.		X	8 133	X	N
	331491, OTHER NONFERROUS METAL ROLLING, DRAWING, & EXTRUDING					
33122200	Bare steel wire	1,000 s tons . .	S	38 483	N	N
33120003	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	1,000 s tons . .	D	D	N	N
33131205	Unalloyed aluminum and aluminum-base alloy ingot, pig, and shot	1,000 s tons . .	2.4	18 081	D	D
33131207	Alloyed aluminum and aluminum-base alloy ingot, pig, and shot	1,000 s tons . .	D	D	D	D
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	mil lb . .	D	D	S	156
33131600	Aluminum and aluminum-base alloy extruded shapes, including extruded rod, bar, pipe, tube, etc.	mil lb . .	61.9	53 608	D	D
33131900	Aluminum and aluminum-base alloy wire for redrawing	mil lb . .	22.9	37 096	N	N
33100089	Bare aluminum and aluminum-base alloy wire, except for redrawing	mil lb . .	D	D	N	N
33100011	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)		X	13 868	X	4 435
33141101	Copper and copper-base alloy cathodes	1,000 s tons . .	.5	3 112	N	N
33141113	Copper and copper-base alloy ingot, ingot bar, and wire bar	1,000 s tons . .	D	D	N	N
33142127	Unalloyed copper and copper-base alloy rods	mil lb . .	520.0	495 198	N	N
33142129	Alloyed copper and copper-base alloy rods	mil lb . .	129.0	145 710	N	N
33142119	Copper and copper-base alloy wire for redrawing	mil lb . .	P88.2	76 825	N	N
33100091	Bare copper and copper-base alloy wire, electrical (except wire for redrawing)	mil lb . .	57.9	89 929	N	N
331000A5	Insulated copper wire and cable		X	64 068	X	N
33141111	All other copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)		X	39 195	X	11 631
33141935	Magnesium and magnesium-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	1,000 s tons . .	11.3	47 902	21.2	57 806
33141925	Nickel and nickel-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	1,000 s tons . .	9.6	279 131	S	147 547
33149105	Zinc and zinc-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	1,000 s tons . .	32.6	50 907	33.2	38 085
33141945	Molybdenum and molybdenum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	mil lb . .	4.4	30 540	2.8	15 770
33141949	Tin and tin-base alloy shapes and forms (except castings, forgings, and fabricated metal products)		X	9 605	X	23 123
33149101	Titanium and titanium-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	1,000 s tons . .	66.5	411 321	P18.8	101 470
33141903	Precious metals and precious metal alloy shapes and forms (except castings, forgings, and fabricated metal products)	1,000 troy ounces . .	2 760.5	255 291	838.4	248 842
33142101	Brass shapes and forms (except castings, forgings, and fabricated metal products)	1,000 s tons . .	D	D	D	D
33141921	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)		X	102 411	X	168 466
00190021	Aluminum and aluminum-base alloy scrap (except home scrap) from other establishments of your company	1,000 s tons . .	—	—	N	N
00190022	Aluminum and aluminum-base alloy scrap (except home scrap) from all other sources	1,000 s tons . .	D	D	N	N
00190024	Copper and copper-base alloy scrap (except home scrap)	1,000 s tons . .	D	D	D	D
00190080	Other nonferrous metal scrap (except home scrap)	1,000 s tons . .	D	D	9.9	16 429
32521205	Synthetic rubber	mil lb . .	D	D	N	N
32500029	All other chemicals and allied products	mil lb . .	P15.0	25 449	N	N
32721501	Optical fiber, data and nondata transmission		X	—	X	N
32799305	Fiberglass insulating materials		X	6 149	X	N
32700003	All other stone, clay, glass, and concrete products		X	—	X	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes		X	D	X	N
31311103	Cotton yarns	mil lb . .	D	D	N	N
33593105	Connectors		X	D	X	N
00970099	All other materials and components, parts, containers, and supplies		X	645 122	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.		X	616 985	X	N

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		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	331492, OTHER NONFERROUS METAL SECONDARY SMELTING, REFINING, & ALLOYING				
33131209	Aluminum and aluminum-base alloy ingot 1,000 s tons..	D	D	N	N
33100009	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	2 561	X	N
33141103	Refined unalloyed copper (cathodes, ingots, cakes, slabs, etc.) and blister or anode copper 1,000 s tons..	S	38	N	N
33100015	All other copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	N
33141923	Lead-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	3 765	X	N
33149105	Zinc and zinc-base alloy shapes and forms (except castings, forgings, and fabricated metal products) 1,000 s tons..	79.5	117 992	N	N
33141939	Tin shapes and forms (except castings, forgings, and fabricated metal products)	X	17 895	X	N
33141903	Precious metals and precious metal alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	104 585	X	N
33141929	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	62 253	X	N
21223400	Mining copper ores, concentrates and precipitates (gross weight) 1,000 s tons..	—	—	N	N
21220009	Mining precious metal ores and concentrates	X	D	X	N
21220015	Mining and all other nonferrous metal ores and concentrates	X	16 858	X	N
00190020	Aluminum and aluminum-base alloy scrap (excluding home scrap) 1,000 s tons..	D	D	N	N
00190024	Copper and copper-base alloy scrap (except home scrap)	X	499	X	N
00190025	Lead and lead-base alloy scrap	X	285 554	X	N
00190026	Zinc and zinc-base alloy scrap (including drosses and skimmings)	X	42 908	X	N
00190027	Timplate scrap (including shredded steel can scrap)	X	D	X	N
00190051	Precious metal and precious metal alloy scrap	X	S	X	N
00190052	All other nonferrous metal and metal-base alloy scrap	X	166 503	X	N
33131100	Alumina (gross weight) 1,000 s tons..	D	D	N	N
00970099	All other materials and components, parts, containers, and supplies	X	434 124	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	272 546	X	N
	331511, IRON FOUNDRIES				
33120045	Pig iron shapes and forms (except silvery iron, castings, forgings, and fabricated metal products)	X	210 162	X	N
33111205	Ferromanganese shapes and forms (except castings, forgings, and fabricated metal products)	X	35 163	X	N
33111203	Ferromanganese, silicomanganese, and manganese shapes and forms (exc. castings, forgings, and fabricated metal products)	X	57 280	X	N
33111207	Ferrosilicon (more than 8 percent silicon) shapes and forms (except castings, forgings, and fabricated metal products)	X	205 450	X	N
33100013	All other ferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	289 588	X	N
33141925	Nickel and nickel-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	36 751	X	N
33141947	Cobalt-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	N
33141905	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	N
00190023	Iron and steel scrap, excluding home scrap	X	1 090 865	X	N
00190082	All other purchased scrap, excluding home scrap	X	135 050	X	N
32712400	Clay refractories	X	41 386	X	N
32791001	Grinding wheels and other abrasive products, except industrial diamonds	X	43 967	X	N
32712500	Nonclay refractories	X	36 763	X	N
32700009	All other stone, clay, glass, and concrete products	X	14 618	X	N
33299700	Industrial patterns	X	48 998	X	N
33350003	Industrial dies, molds, jigs, and fixtures	X	20 207	X	N
001900A5	All other industrial and commercial machinery and computer equipment	X	39 103	X	N
21232005	Sand	X	213 801	X	N
00970099	All other materials and components, parts, containers, and supplies	X	1 409 366	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	63 916	X	N
	331512, STEEL INVESTMENT FOUNDRIES				
33120045	Pig iron shapes and forms (except silvery iron, castings, forgings, and fabricated metal products)	X	1 220	X	3 803
33111205	Ferromanganese shapes and forms (except castings, forgings, and fabricated metal products)	X	5 801	X	2 363
33111203	Ferromanganese, silicomanganese, and manganese shapes and forms (exc. castings, forgings, and fabricated metal products)	X	1 055	X	807
33111207	Ferrosilicon (more than 8 percent silicon) shapes and forms (except castings, forgings, and fabricated metal products)	X	717	X	1 322
33100013	All other ferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	29 489	X	17 472
33141925	Nickel and nickel-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	100 126	X	85 450
33141947	Cobalt-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	36 769	X	24 167
33141905	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	32 879	X	25 123
00190023	Iron and steel scrap, excluding home scrap	X	49 374	X	16 752
00190082	All other purchased scrap, excluding home scrap	X	2 990	X	1 857
32712400	Clay refractories	X	3 243	X	2 438
32791001	Grinding wheels and other abrasive products, except industrial diamonds	X	19 670	X	15 634
32712500	Nonclay refractories	X	26 592	X	12 258
32700009	All other stone, clay, glass, and concrete products	X	3 337	X	1 452
33299700	Industrial patterns	X	3 450	X	6 928
33350003	Industrial dies, molds, jigs, and fixtures	X	18 001	X	10 002
001900A5	All other industrial and commercial machinery and computer equipment	X	3 628	X	532
21232005	Sand	X	12 298	X	11 937
00970099	All other materials and components, parts, containers, and supplies	X	175 218	X	168 244
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	7 698	X	36 467
	331513, STEEL FOUNDRIES (EXCEPT INVESTMENT)				
33120045	Pig iron shapes and forms (except silvery iron, castings, forgings, and fabricated metal products)	X	2 492	X	2 413
33111205	Ferromanganese shapes and forms (except castings, forgings, and fabricated metal products)	X	27 371	X	23 647

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	331513, STEEL FOUNDRIES (EXCEPT INVESTMENT)—Con.				
33111203	Ferromanganese, silicomanganese, and manganese shapes and forms (exc. castings, forgings, and fabricated metal products)	X	13 901	X	11 287
33111207	Ferrosilicon (more than 8 percent silicon) shapes and forms (except castings, forgings, and fabricated metal products)	X	9 375	X	6 690
33100013	All other ferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	68 729	X	11 422
33141925	Nickel and nickel-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	43 117	X	28 712
33141947	Cobalt-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	4 095	X	1 281
33141905	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	20 234	X	10 095
00190023	Iron and steel scrap, excluding home scrap	X	105 754	X	104 387
00190082	All other purchased scrap, excluding home scrap	X	69 667	X	13 899
32712400	Clay refractories	X	9 609	X	9 460
32791001	Grinding wheels and other abrasive products, except industrial diamonds	X	20 664	X	12 363
32712500	Nonclay refractories	X	14 923	X	12 573
32700009	All other stone, clay, glass, and concrete products	X	4 539	X	4 703
33299700	Industrial patterns	X	15 234	X	11 647
33350003	Industrial dies, molds, jigs, and fixtures	X	4 828	X	3 341
001900A5	All other industrial and commercial machinery and computer equipment	X	6 029	X	5 121
21232005	Sand	X	33 532	X	22 407
00970099	All other materials and components, parts, containers, and supplies	X	294 066	X	243 481
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	45 206	X	63 329
	331521, ALUMINUM DIE-CASTING FOUNDRIES				
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	37 191
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	588 501	X	486 714
33149105	Zinc and zinc-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	22 208	X	32 335
33141935	Magnesium and magnesium-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	D
331000AG	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	1 525	X	D
00190024	Copper and copper-base alloy scrap (except home scrap)	X	245	X	D
00190040	Aluminum and aluminum-base alloy scrap (except home scrap)	X	195 316	X	134 041
00190080	Other nonferrous metal scrap (except home scrap)	X	D	X	D
33299700	Industrial patterns	X	745	X	1 964
33350003	Industrial dies, molds, jigs, and fixtures	X	51 227	X	25 977
001900A4	All other industrial and commercial machinery and computer equipment	X	4 567	X	4 526
21232005	Sand	X	1 948	X	651
32791001	Grinding wheels and other abrasive products, except industrial diamonds	X	2 522	X	1 410
00970099	All other materials and components, parts, containers, and supplies	X	263 825	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	157 317	X	96 762
	331522, NONFERROUS (EXCEPT ALUMINUM) DIE-CASTING FOUNDRIES				
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	26 603	X	25 268
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	47 887	X	13 290
33149105	Zinc and zinc-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	151 947	X	103 983
33141935	Magnesium and magnesium-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	135 713	X	24 840
331000AG	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	28 120	X	7 612
00190024	Copper and copper-base alloy scrap (except home scrap)	X	1 722	X	D
00190040	Aluminum and aluminum-base alloy scrap (except home scrap)	X	746	X	D
00190080	Other nonferrous metal scrap (except home scrap)	X	2 114	X	D
33299700	Industrial patterns	X	259	X	D
33350003	Industrial dies, molds, jigs, and fixtures	X	10 792	X	3 393
001900A4	All other industrial and commercial machinery and computer equipment	X	934	X	2 710
21232005	Sand	X	2 531	X	D
32791001	Grinding wheels and other abrasive products, except industrial diamonds	X	5 560	X	708
00970099	All other materials and components, parts, containers, and supplies	X	145 411	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	114 591	X	57 818
	331524, ALUMINUM FOUNDRIES (EXCEPT DIE-CASTING)				
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	7 082	X	40 454
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	632 676	X	290 292
33149105	Zinc and zinc-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	11 872	X	3 088
33141935	Magnesium and magnesium-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	19 134	X	4 064
331000AG	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	D
00190024	Copper and copper-base alloy scrap (except home scrap)	X	D	X	D
00190040	Aluminum and aluminum-base alloy scrap (except home scrap)	X	234 473	X	34 068
00190080	Other nonferrous metal scrap (except home scrap)	X	511	X	1 156
33299700	Industrial patterns	X	21 279	X	17 400
33350003	Industrial dies, molds, jigs, and fixtures	X	87 442	X	7 153
001900A4	All other industrial and commercial machinery and computer equipment	X	3 186	X	11 280
21232005	Sand	X	20 797	X	15 432
32791001	Grinding wheels and other abrasive products, except industrial diamonds	X	8 823	X	5 428
00970099	All other materials and components, parts, containers, and supplies	X	250 864	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	113 077	X	62 444

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
331525, COPPER FOUNDRIES (EXCEPT DIE-CASTING)					
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	109 461	X	92 233
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	10 818	X	8 809
33149105	Zinc and zinc-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	721	X	224
33141935	Magnesium and magnesium-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	883	X	D
331000AG	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	561	X	3 520
00190024	Copper and copper-base alloy scrap (except home scrap)	X	18 342	X	28 537
00190040	Aluminum and aluminum-base alloy scrap (except home scrap)	X	169	X	124
00190080	Other nonferrous metal scrap (except home scrap)	X	209	X	701
33299700	Industrial patterns	X	2 882	X	1 979
33350003	Industrial dies, molds, jigs, and fixtures	X	757	X	4 383
001900A4	All other industrial and commercial machinery and computer equipment	X	1 772	X	559
21232005	Sand	X	4 626	X	2 890
32791001	Grinding wheels and other abrasive products, except industrial diamonds	X	2 796	X	1 935
00970099	All other materials and components, parts, containers, and supplies	X	57 338	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	62 577	X	81 698
331528, OTHER NONFERROUS FOUNDRIES (EXCEPT DIE-CASTING)					
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	1 405	X	D
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	914	X	1 104
33149105	Zinc and zinc-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	10 879	X	4 250
33141935	Magnesium and magnesium-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	1 751	X	4 353
331000AG	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	72 443	X	31 944
00190024	Copper and copper-base alloy scrap (except home scrap)	X	D	X	D
00190040	Aluminum and aluminum-base alloy scrap (except home scrap)	X	D	X	N
00190080	Other nonferrous metal scrap (except home scrap)	X	D	X	D
33299700	Industrial patterns	X	D	X	D
33350003	Industrial dies, molds, jigs, and fixtures	X	D	X	D
001900A4	All other industrial and commercial machinery and computer equipment	X	D	X	D
21232005	Sand	X	3 861	X	4 150
32791001	Grinding wheels and other abrasive products, except industrial diamonds	X	4 608	X	2 003
00970099	All other materials and components, parts, containers, and supplies	X	188 681	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	17 487	X	12 692
332111, IRON & STEEL FORGING					
33200081	Fabricated metal products (except forgings)	X	11 375	X	17 541
33210001	Forgings	P175.8	342 212	P46.3	81 747
33100035	Castings (rough and semifinished)	X	D	X	10 819
33120005	Steel ingot and semifinished shapes (blooms, billets, and slabs) (except castings, forgings, and fabr. metal products)	1,000 s tons..	273.4	Q275.5	259 641
33120065	Steel bars, bar shapes, and other shapes and forms (except castings, forgings, and fabricated metal products)	1,000 s tons..	1 196.8	P803.5	475 247
33149101	Titanium and titanium-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	1,000 s tons..	3.0	2.0	32 648
33100074	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	1,000 s tons..	D	X	N
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	1,000 s tons..	8.4	Q3.0	8 290
33149103	Nickel and nickel-base alloy, including nickel-copper alloys (except castings, forgings, and fabricated metal products)	1,000 s tons..	41.3	4.5	38 200
33351400	Forging dies	1,000 s tons..	S 54 168	S	17 785
00970099	All other materials and components, parts, containers, and supplies	X	218 151	X	136 158
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	292 800	X	187 348
332112, NONFERROUS FORGING					
33200081	Fabricated metal products (except forgings)	X	D	X	N
33210001	Forgings	7.3	73 941	D	D
33100035	Castings (rough and semifinished)	X	D	X	N
33120005	Steel ingot and semifinished shapes (blooms, billets, and slabs) (except castings, forgings, and fabr. metal products)	1,000 s tons..	D	3.9	11 119
33120065	Steel bars, bar shapes, and other shapes and forms (except castings, forgings, and fabricated metal products)	1,000 s tons..	D	S	2 347
33149101	Titanium and titanium-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	1,000 s tons..	138.8	230.3	62 846
33100074	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	1,000 s tons..	D	X	N
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	1,000 s tons..	161.4	118.3	171 913
33149103	Nickel and nickel-base alloy, including nickel-copper alloys (except castings, forgings, and fabricated metal products)	1,000 s tons..	.4	D	D
33351400	Forging dies	1,000 s tons..	2.1	S 8 223	11 739
00970099	All other materials and components, parts, containers, and supplies	X	72 558	X	57 158
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	9 673	X	34 067
332114, CUSTOM ROLL FORMING					
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	20 013	X	N
33200095	Other fabricated metal products (except forgings)	X	34 684	X	N
33100035	Castings (rough and semifinished)	X	9 611	X	N
33210001	Forgings	X	3 273	X	N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	191 886	X	N
33120009	Steel concrete reinforcing bars	X	D	X	N
33120017	Steel sheet and strip, including tin plate	X	352 661	X	N
33120069	Steel structural shapes (except castings, forgings, and fabricated metal products)	X	60 697	X	N
33120037	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	528 519	X	N

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		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	332114, CUSTOM ROLL FORMING—Con.				
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	3 769	X	N
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	70 382	X	N
33131600	Aluminum and aluminum-base alloy extruded shapes, including extruded rod, bar, pipe, tube, etc.	X	5 934	X	N
33100007	All other aluminum and aluminum-base alloy shapes and forms, including refinery shapes (except castings and forgings)	X	74 447	X	N
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	32 854	X	N
00190023	Iron and steel scrap, excluding home scrap	X	D	X	N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	5 930	X	N
00970099	All other materials and components, parts, containers, and supplies	X	205 406	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	182 924	X	N
	332115, CROWN & CLOSURE MFG				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	1 431	X	797
33200095	Other fabricated metal products (except forgings)	X	12 838	X	D
33151001	Iron and steel castings (rough and semifinished)	X	874	X	D
33152011	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	X	D	X	D
33210001	Forgings	X	D	X	N
33120071	Steel bars and bar shapes (except castings, forgings, and fabricated metal products)	X	2 938	X	D
33120017	Steel sheet and strip, including tin plate 1,000 s tons	S	41 274	S	1 904
33120079	Steel plate	X	D	X	N
33120025	Steel wire and wire products	X	D	X	N
33120013	Steel tinplate, tin free steel, terneplate, and blackplate 1,000 s tons	S	167 252	S	209 628
33120027	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	D
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	N
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	21 081	X	47 114
33131600	Aluminum and aluminum-base alloy extruded shapes, including extruded rod, bar, pipe, tube, etc.	X	39	X	D
33100049	Other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	22 069	X	13 966
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	23 917	X	23 121
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	28 793	X	28 175
32500051	All other chemicals and allied products	X	D	X	14 732
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	997	X	D
32221001	Paperboard containers, boxes, and corrugated paperboard	X	9 720	X	9 964
32200007	Other paper and paperboard products	X	6 353	X	4 681
33510000	Special dies, tools, die sets, jigs, and fixtures, except cutting tools for machine tools	X	1 623	X	D
00970099	All other materials and components, parts, containers, and supplies	X	15 561	X	31 852
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	72 243	X	10 135
	332116, METAL STAMPING				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	155 837	X	N
33200095	Other fabricated metal products (except forgings)	X	461 069	X	N
33151001	Iron and steel castings (rough and semifinished)	X	40 449	X	N
33152011	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	X	10 080	X	N
33210001	Forgings	X	3 403	X	N
33120071	Steel bars and bar shapes (except castings, forgings, and fabricated metal products)	X	91 297	X	N
33120017	Steel sheet and strip, including tin plate 1,000 s tons	S	1 268 314	X	N
33120079	Steel plate	X	57 670	X	N
33120025	Steel wire and wire products	X	30 069	X	N
33120013	Steel tinplate, tin free steel, terneplate, and blackplate 1,000 s tons	S	36 028	X	N
33120027	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	275 537	X	N
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	122 710	X	N
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	187 764	X	N
33131600	Aluminum and aluminum-base alloy extruded shapes, including extruded rod, bar, pipe, tube, etc.	X	22 671	X	N
33100049	Other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	73 974	X	N
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	59 246	X	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	32 218	X	N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	48 340	X	N
32500051	All other chemicals and allied products	X	12 533	X	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	17 780	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	88 559	X	N
32200007	Other paper and paperboard products	X	20 720	X	N
33510000	Special dies, tools, die sets, jigs, and fixtures, except cutting tools for machine tools	X	68 038	X	N
00970099	All other materials and components, parts, containers, and supplies	X	603 548	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	950 512	X	N
	332117, POWDER METALLURGY PART MFG				
33200097	Other fabricated metal products (except forgings)	X	4 321	X	N
33210001	Forgings	X	D	X	N
33151001	Iron and steel castings (rough and semifinished)	X	D	X	N
33152003	Other nonferrous castings (rough and semifinished)	X	D	X	N
33120029	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	11 092	X	N

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		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	332117, POWDER METALLURGY PART MFG—Con.				
33142141	All other copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	N
33100049	Other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	N
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	N
331000AA	Metal powders	X	206 645	X	N
00970099	All other materials and components, parts, containers, and supplies	X	92 659	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	97 801	X	N
	332211, CUTLERY & FLATWARE (EXCEPT PRECIOUS) MFG				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	10 382	X	8 486
33200095	Other fabricated metal products (except forgings)	X	21 898	X	13 284
33151001	Iron and steel castings (rough and semifinished)	X	12 723	X	22 388
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	1 654	X	3 474
33152003	Other nonferrous castings (rough and semifinished)	X	D	X	D
33211101	Iron and steel forgings	X	22 626	X	12 965
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	4 040	X	2 597
33120073	Steel sheet, strip, and tin mill products	X	55 874	X	22 694
33120025	Steel wire and wire products	X	1 469	X	790
33120027	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	2 678	X	16 167
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	1 259	X	101
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	3 751	X	1 370
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	D
32100047	Wood parts, including handles	X	7 243	X	7 141
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	30 493	X	28 072
32610003	Plastics products (film, sheet, rod, tube, and fabricated shapes, including parts, handles, grips, etc.)	X	49 016	X	29 635
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies	X	49 132	X	43 522
33141901	Precious metals (gold, platinum, etc.), all forms, including ingot, sheet, strip, solder, plating, electrodes, etc.	X	D	X	N
00970099	All other materials and components, parts, containers, and supplies	X	77 537	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	39 336	X	N
	332212, HAND & EDGE TOOL MFG				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	56 347	X	N
33200095	Other fabricated metal products (except forgings)	X	117 374	X	N
33151001	Iron and steel castings (rough and semifinished)	X	90 283	X	N
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	19 152	X	N
33152003	Other nonferrous castings (rough and semifinished)	X	10 616	X	N
33211101	Iron and steel forgings	X	64 723	X	N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	306 051	X	N
33120073	Steel sheet, strip, and tin mill products	X	159 230	X	N
33120025	Steel wire and wire products	X	25 434	X	N
33120027	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	31 586	X	N
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	3 845	X	N
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	20 233	X	N
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	2 282	X	N
32100047	Wood parts, including handles	X	45 006	X	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	36 150	X	N
32610003	Plastics products (film, sheet, rod, tube, and fabricated shapes, including parts, handles, grips, etc.)	X	90 562	X	N
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies	X	73 737	X	N
00970099	All other materials and components, parts, containers, and supplies	X	417 397	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	287 305	X	N
	332213, SAW BLADE & HANDSAW MFG				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	1 551	X	1 551
33200095	Other fabricated metal products (except forgings)	X	22 103	X	9 468
33151001	Iron and steel castings (rough and semifinished)	X	13 037	X	3 787
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	2 832	X	D
33152003	Other nonferrous castings (rough and semifinished)	X	1 922	X	7 405
33211101	Iron and steel forgings	X	D	X	N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	41 122	X	10 336
33120073	Steel sheet, strip, and tin mill products	X	105 004	X	75 154
33120025	Steel wire and wire products	X	16 553	X	5 279
33120027	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	51 132	X	10 116
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	D
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	D
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	1 381	X	D
32100047	Wood parts, including handles	X	2 122	X	2 193
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	210	X	1 891
32610003	Plastics products (film, sheet, rod, tube, and fabricated shapes, including parts, handles, grips, etc.)	X	3 789	X	5 323

Table 1. Materials Consumed by Kind by Industry: 1997 and 1992—Con.

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	332213, SAW BLADE & HANDSAW MFG—Con.				
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies	X	16 118	X	16 371
00970099	All other materials and components, parts, containers, and supplies	X	80 316	X	82 224
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	20 104	X	18 646
	332214, KITCHEN UTENSIL, POT, & PAN MFG				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	7 002	X	N
33200095	Other fabricated metal products (except forgings)	X	44 104	X	N
33151001	Iron and steel castings (rough and semifinished)	X	D	X	N
33152011	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	X	3 404	X	N
33210001	Forgings	X	D	X	N
33120071	Steel bars and bar shapes (except castings, forgings, and fabricated metal products)	X	111	X	N
33120017	Steel sheet and strip, including tin plate	S	54 482	X	N
33120079	Steel plate	X	7 560	X	N
33120025	Steel wire and wire products	X	2 206	X	N
33120013	Steel tinplate, tin free steel, terneplate, and blackplate	D	D	X	N
33120027	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	19 279	X	N
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	N
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	88 457	X	N
33131600	Aluminum and aluminum-base alloy extruded shapes, including extruded rod, bar, pipe, tube, etc.	X	D	X	N
33100049	Other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	56 716	X	N
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	2 734	X	N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	1 321	X	N
32500051	All other chemicals and allied products	X	10 113	X	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	7 114	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	21 270	X	N
32200007	Other paper and paperboard products	X	5 846	X	N
33510000	Special dies, tools, die sets, jigs, and fixtures, except cutting tools for machine tools	X	400	X	N
00970099	All other materials and components, parts, containers, and supplies	X	101 646	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	S	15 809	X	N
	332311, PREFABRICATED METAL BUILDING & COMPONENT MFG				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	110 751	X	42 376
33200095	Other fabricated metal products (except forgings)	X	129 483	X	58 236
33100035	Castings (rough and semifinished)	X	18 438	X	956
33210001	Forgings	X	D	X	D
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	217 350	X	134 941
33120009	Steel concrete reinforcing bars	X	7 360	X	D
33120017	Steel sheet and strip, including tin plate	X	810 246	X	479 105
33120069	Steel structural shapes (except castings, forgings, and fabricated metal products)	X	237 191	X	51 552
33120037	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	303 265	X	172 898
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	D
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	58 447	X	58 440
33131600	Aluminum and aluminum-base alloy extruded shapes, including extruded rod, bar, pipe, tube, etc.	X	40 565	X	20 531
33100007	All other aluminum and aluminum-base alloy shapes and forms, including refinery shapes (except castings and forgings)	X	25 476	X	29 779
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	20 901	X	2 000
00190023	Iron and steel scrap, excluding home scrap	X	1 182	X	D
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	57 277	X	16 988
00970099	All other materials and components, parts, containers, and supplies	X	153 012	X	D
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	164 113	X	D
	332312, FABRICATED STRUCTURAL METAL MFG				
33290005	Fabricated metal pipe (except castings and forgings)	X	112 724	X	N
33291905	Fabricated metal valves and pipe fittings	X	26 242	X	N
332000A3	Fabricated metal parts specially designed for steel power boilers, n.e.c. (except castings and forgings)	X	D	X	N
33200039	All other fabricated metal products (except castings and forgings)	X	650 309	X	N
33151001	Iron and steel castings (rough and semifinished)	X	67 326	X	N
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	8 181	X	N
33152003	Other nonferrous castings (rough and semifinished)	X	D	X	N
33210001	Forgings	X	5 968	X	N
33120057	Steel bars and bar shapes (except concrete reinforcing bars, castings, forgings, and fabricated metal products)	X	292 534	X	N
33120009	Steel concrete reinforcing bars	X	430 569	X	N
33120017	Steel sheet and strip, including tin plate	X	582 282	X	N
33120079	Steel plate	X	487 601	X	N
33120041	Wide flange steel structural beams	X	763 503	X	N
33120047	All other steel structural shapes (except sheet piling, castings, forgings, and fabricated steel products)	X	652 672	X	N
33120039	All other steel shapes and forms (including sheet piling, excluding castings, forgings, and fabricated metal products)	X	275 221	X	N
33140003	Nonferrous refinery shapes (except castings, forgings, and fabricated metal products)	X	1 189	X	N
33142135	Copper and copper-base alloy pipe and tube (except castings, forgings, and fabricated metal products)	X	16 386	X	N

Table 1. Materials Consumed by Kind by Industry: 1997 and 1992—Con.

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	332312, FABRICATED STRUCTURAL METAL MFG—Con.				
33142141	All other copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	7 364	X	N
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	71 389	X	N
33100055	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	16 389	X	N
33100067	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	38 275	X	N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	153 302	X	N
33399203	Welding electrodes	X	59 103	X	N
00970099	All other materials and components, parts, containers, and supplies	X	760 499	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	1 128 007	X	N
	332313, PLATE WORK MFG				
33290005	Fabricated metal pipe (except castings and forgings)	X	11 712	X	N
33291905	Fabricated metal valves and pipe fittings	X	6 133	X	N
332000A3	Fabricated metal parts specially designed for steel power boilers, n.e.c. (except castings and forgings)	X	D	X	N
33200039	All other fabricated metal products (except castings and forgings)	X	99 311	X	N
33151001	Iron and steel castings (rough and semifinished)	X	13 558	X	N
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	240	X	N
33152003	Other nonferrous castings (rough and semifinished)	X	4 930	X	N
33210001	Forgings	X	7 938	X	N
33120057	Steel bars and bar shapes (except concrete reinforcing bars, castings, forgings, and fabricated metal products)	X	80 796	X	N
33120009	Steel concrete reinforcing bars	X	1 498	X	N
33120017	Steel sheet and strip, including tin plate	X	132 347	X	N
33120079	Steel plate	X	148 190	X	N
33120041	Wide flange steel structural beams	X	11 654	X	N
33120047	All other steel structural shapes (except sheet piling, castings, forgings, and fabricated steel products)	X	35 370	X	N
33120039	All other steel shapes and forms (including sheet piling, excluding castings, forgings, and fabricated metal products)	X	58 806	X	N
33140003	Nonferrous refinery shapes (except castings, forgings, and fabricated metal products)	X	D	X	N
33142135	Copper and copper-base alloy pipe and tube (except castings, forgings, and fabricated metal products)	X	D	X	N
33142141	All other copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	509	X	N
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	26 462	X	N
33100055	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	3 311	X	N
33100067	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	9 642	X	N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	19 037	X	N
33399203	Welding electrodes	X	10 411	X	N
00970099	All other materials and components, parts, containers, and supplies	X	127 042	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	244 823	X	N
	332321, METAL WINDOW & DOOR MFG				
32721101	Flat glass (plate, float, and sheet)	X	165 862	X	291 115
33251009	Builders' hardware (including door locks, locksets, lock trim, screen hardware, etc.)	X	241 328	X	207 527
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	97 114	X	N
33200045	Other fabricated metal products (except castings and forgings)	X	292 815	X	117 932
33151001	Iron and steel castings (rough and semifinished)	X	16 713	X	9 635
33152011	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	X	31 611	X	N
33210001	Forgings	X	119	X	N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	82 962	X	N
33120017	Steel sheet and strip, including tin plate	X	720 928	X	N
33120069	Steel structural shapes (except castings, forgings, and fabricated metal products)	X	51 359	X	N
33120025	Steel wire and wire products	X	32 501	X	13 700
33120087	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	291 688	X	112 627
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	2 516	X	N
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	232 275	X	N
33131600	Aluminum and aluminum-base alloy extruded shapes, including extruded rod, bar, pipe, tube, etc.	X	662 955	X	N
33100007	All other aluminum and aluminum-base alloy shapes and forms, including refinery shapes (except castings and forgings)	X	331 384	X	N
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	263 118	X	N
00190020	Aluminum and aluminum-base alloy scrap (excluding home scrap)	X	81 884	X	88 185
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	75 682	X	109 325
00970099	All other materials and components, parts, containers, and supplies	X	742 300	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	543 789	X	N
	332322, SHEET METAL WORK MFG				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	178 273	X	N
33200095	Other fabricated metal products (except forgings)	X	456 514	X	N
33151001	Iron and steel castings (rough and semifinished)	X	33 953	X	N
33152011	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	X	41 342	X	N
33210001	Forgings	X	6 306	X	N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	88 424	X	N
33120009	Steel concrete reinforcing bars	X	2 861	X	N
33120017	Steel sheet and strip, including tin plate	X	1 635 851	X	N
33120069	Steel structural shapes (except castings, forgings, and fabricated metal products)	X	113 874	X	N
33120037	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	139 128	X	N

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	332322, SHEET METAL WORK MFG—Con.				
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	18 517	X	N
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	585 467	X	N
33131600	Aluminum and aluminum-base alloy extruded shapes, including extruded rod, bar, pipe, tube, etc.	X	28 214	X	N
33100007	All other aluminum and aluminum-base alloy shapes and forms, including refinery shapes (except castings and forgings)	X	151 023	X	N
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	28 807	X	N
00190060	Scrap, including iron, steel, aluminum and aluminum-base alloy (excluding home scrap)	X	39 712	X	N
32721101	Flat glass (plate, float, and sheet)	X	16 787	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	90 285	X	N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	111 637	X	N
00970099	All other materials and components, parts, containers, and supplies	X	877 172	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	1 222 666	X	N
	332323, ORNAMENTAL & ARCHITECTURAL METAL WORK MFG				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	39 868	X	N
33200095	Other fabricated metal products (except forgings)	X	109 500	X	N
33100035	Castings (rough and semifinished)	X	29 628	X	N
33210001	Forgings	X	492	X	N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	127 666	X	N
33120009	Steel concrete reinforcing bars	X	9 827	X	N
33120017	Steel sheet and strip, including tin plate	X	227 385	X	N
33120069	Steel structural shapes (except castings, forgings, and fabricated metal products)	X	132 961	X	N
33120037	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	240 881	X	N
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	N
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	44 926	X	N
33131600	Aluminum and aluminum-base alloy extruded shapes, including extruded rod, bar, pipe, tube, etc.	X	74 850	X	N
33100007	All other aluminum and aluminum-base alloy shapes and forms, including refinery shapes (except castings and forgings)	X	12 644	X	N
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	25 315	X	N
00190023	Iron and steel scrap, excluding home scrap	X	D	X	N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	29 594	X	N
00970099	All other materials and components, parts, containers, and supplies	X	179 713	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	393 634	X	N
	332410, POWER BOILER & HEAT EXCHANGER MFG				
33290005	Fabricated metal pipe (except castings and forgings)	X	94 267	X	N
33291905	Fabricated metal valves and pipe fittings	X	24 901	X	N
332000A3	Fabricated metal parts specially designed for steel power boilers, n.e.c. (except castings and forgings)	X	31 113	X	N
33200039	All other fabricated metal products (except castings and forgings)	X	169 173	X	N
33151001	Iron and steel castings (rough and semifinished)	X	35 138	X	N
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	18 146	X	N
33152003	Other nonferrous castings (rough and semifinished)	X	19 299	X	N
33210001	Forgings	X	31 076	X	N
33120057	Steel bars and bar shapes (except concrete reinforcing bars, castings, forgings, and fabricated metal products)	X	D	X	N
33120009	Steel concrete reinforcing bars	X	117 087	X	N
33120017	Steel sheet and strip, including tin plate	X	114 581	X	N
33120079	Steel plate	X	16 205	X	N
33120041	Wide flange steel structural beams	X	20 335	X	N
33120047	All other steel structural shapes (except sheet piling, castings, forgings, and fabricated steel products)	X	30 653	X	N
33120039	All other steel shapes and forms (including sheet piling, excluding castings, forgings, and fabricated metal products)	X	D	X	N
33140003	Nonferrous refinery shapes (except castings, forgings, and fabricated metal products)	X	63 896	X	N
33142135	Copper and copper-base alloy pipe and tube (except castings, forgings, and fabricated metal products)	X	14 860	X	N
33142141	All other copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	59 040	X	N
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	39 488	X	N
33100055	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	12 971	X	N
33100067	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	32 167	X	N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	41 477	X	N
33399203	Welding electrodes	X	203 088	X	N
00970099	All other materials and components, parts, containers, and supplies	X	369 291	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X		X	N
	332420, METAL TANK (HEAVY GAUGE) MFG				
33290005	Fabricated metal pipe (except castings and forgings)	X	107 354	X	N
33291905	Fabricated metal valves and pipe fittings	X	145 405	X	N
332000A3	Fabricated metal parts specially designed for steel power boilers, n.e.c. (except castings and forgings)	X	16 867	X	N
33200039	All other fabricated metal products (except castings and forgings)	X	164 273	X	N
33151001	Iron and steel castings (rough and semifinished)	X	17 777	X	N
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	—	X	N
33152003	Other nonferrous castings (rough and semifinished)	X	2 097	X	N
33210001	Forgings	X	51 682	X	N
33120057	Steel bars and bar shapes (except concrete reinforcing bars, castings, forgings, and fabricated metal products)	X	53 227	X	N
33120009	Steel concrete reinforcing bars	X	798	X	N

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	332420, METAL TANK (HEAVY GAUGE) MFG—Con.				
33120017	Steel sheet and strip, including tin plate	X	340 318	X	N
33120079	Steel plate	—	259 989	X	N
33120041	Wide flange steel structural beams	X	15 050	X	N
33120047	All other steel structural shapes (except sheet piling, castings, forgings, and fabricated steel products)	X	45 540	X	N
33120039	All other steel shapes and forms (including sheet piling, excluding castings, forgings, and fabricated metal products)	X	203 193	X	N
33140003	Nonferrous refinery shapes (except castings, forgings, and fabricated metal products)	X	D	X	N
33142135	Copper and copper-base alloy pipe and tube (except castings, forgings, and fabricated metal products)	X	D	X	N
33142141	All other copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	1 693	X	N
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	28 812	X	N
33100055	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	36 021	X	N
33100067	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	13 626	X	N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	58 571	X	N
33399203	Welding electrodes	X	27 505	X	N
00970099	All other materials and components, parts, containers, and supplies	X	308 574	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	135 583	X	N
	332431, METAL CAN MFG				
33243105	Lids, ends, and parts for metal cans	X	1 118 150	X	631 927
33200035	All other fabricated metal products (except castings and forgings)	X	D	X	D
33210001	Forgings	X	D	X	N
33120073	Steel sheet, strip, and tin mill products	X	1 592 997	X	2 025 207
33120025	Steel wire and wire products	X	2 760	X	232
33120099	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	D
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	3 118 392	X	2 567 830
33100049	Other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	2 019 382
33142109	Copper mechanical wire (including extruded and/or drawn shapes)	X	11 201	X	24 587
33142125	All other copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	889
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	1 034
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	222 389	X	301 371
32552001	Adhesives and sealants	X	34 714	X	31 260
32591003	Printing ink	X	49 364	X	43 007
32500049	All other chemicals and allied products	X	31 501	X	35 294
32221001	Paperboard containers, boxes, and corrugated paperboard	X	45 868	X	24 169
00970099	All other materials and components, parts, containers, and supplies	X	396 298	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	137 993	X	303 571
	332439, OTHER METAL CONTAINER MFG				
33243105	Lids, ends, and parts for metal cans	X	49 563	X	30 800
33200035	All other fabricated metal products (except castings and forgings)	X	66 653	X	21 724
33210001	Forgings	X	13 240	X	N
33120073	Steel sheet, strip, and tin mill products	X	371 968	X	N
33120025	Steel wire and wire products	X	1 631	X	N
33120099	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	87 250	X	32 770
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	23 465	X	N
33100049	Other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	15 478	X	N
33142109	Copper mechanical wire (including extruded and/or drawn shapes)	X	170	X	N
33142125	All other copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	298	X	N
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	7 233	X	N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	38 871	X	N
32552001	Adhesives and sealants	X	1 957	X	868
32591003	Printing ink	X	1 660	X	232
32500049	All other chemicals and allied products	X	6 709	X	4 965
32221001	Paperboard containers, boxes, and corrugated paperboard	X	23 676	X	N
00970099	All other materials and components, parts, containers, and supplies	X	154 756	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	251 978	X	N
	332510, HARDWARE MFG				
33251005	Metal hardware, including hinges, handles, locks, casters, etc.	X	217 713	X	N
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	157 397	X	N
332000AC	Metal stampings	X	267 118	X	N
33290009	Fabricated metal wire products (including wire rope, cable, springs, etc.)	X	25 028	X	N
33200013	All other fabricated metal products (except forgings)	X	135 691	X	N
33151001	Iron and steel castings (rough and semifinished)	X	99 542	X	N
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	39 124	X	N
33152500	Copper and copper-base alloy castings (rough and semifinished)	X	21 373	X	N
33152800	Zinc and zinc-base alloy castings (rough and semifinished)	X	92 403	X	N
33152007	All other nonferrous castings (rough and semifinished)	X	6 792	X	N
33210001	Forgings	X	35 229	X	N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	108 421	X	N
33120073	Steel sheet, strip, and tin mill products	X	517 887	X	N
33120025	Steel wire and wire products	X	102 904	X	N
33120027	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	197 827	X	N
33142105	Copper and copper-base alloy rod, bar, and mechanical wire, including extruded and/or drawn shapes	X	46 750	X	N
33142133	Copper and copper-base alloy sheet, strip, and plate	X	69 899	X	N
33142113	All other copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	25 455	X	N

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	332510, HARDWARE MFG—Con.				
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	40 843	X	N
33131600	Aluminum and aluminum-base alloy extruded shapes, including extruded rod, bar, pipe, tube, etc.	X	47 828	X	N
33100049	Other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	33 585	X	N
33149105	Zinc and zinc-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	53 447	X	N
33100069	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	61 085	X	N
331000AA	Metal powders	X	29 166	X	N
32600015	Fabricated rubber products, except tires, tubes, hose, belting, and gaskets	X	39 290	X	N
32610003	Plastics products (film, sheet, rod, tube, and fabricated shapes, including parts, handles, grips, etc.)	X	132 057	X	N
32600003	All other rubber and miscellaneous plastics products	X	35 105	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	96 553	X	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	42 170	X	N
32720001	Glass and glass products	X	4 535	X	N
33531207	Electric motors, generators, and parts	X	344 726	X	N
00970099	All other materials and components, parts, containers, and supplies	X	595 277	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	631 646	X	N
	332611, SPRING (HEAVY GAUGE) MFG				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	10 762	X	7 327
33200095	Other fabricated metal products (except forgings)	X	3 788	X	1 360
33100035	Castings (rough and semifinished)	X	1 245	X	D
33210001	Forgings	X	2 197	X	D
33120071	Steel bars and bar shapes (except castings, forgings, and fabricated metal products)	X	106 784	X	69 716
33120017	Steel sheet and strip, including tin plate	X	63 461	X	13 731
33120025	Steel wire and wire products	X	54 842	X	30 862
33120035	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	25 079	X	D
331000AJ	Nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	1 289	X	586
00970099	All other materials and components, parts, containers, and supplies	X	—	X	14 561
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	58 434	X	16 620
	332612, SPRING (LIGHT GAUGE) MFG				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	37 381	X	N
33200095	Other fabricated metal products (except forgings)	X	18 657	X	N
33100035	Castings (rough and semifinished)	X	3 991	X	N
33210001	Forgings	X	18 708	X	N
33120071	Steel bars and bar shapes (except castings, forgings, and fabricated metal products)	X	36 320	X	N
33120017	Steel sheet and strip, including tin plate	X	54 876	X	N
33120025	Steel wire and wire products	X	534 801	X	N
33120035	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	117 258	X	N
331000AJ	Nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	15 029	X	N
00970099	All other materials and components, parts, containers, and supplies	X	243	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	—	X	N
	332618, OTHER FABRICATED WIRE PRODUCT MFG				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	21 847	X	13 777
33200095	Other fabricated metal products (except forgings)	X	58 220	X	44 587
33210001	Forgings	X	7 840	X	5 930
33100035	Castings (rough and semifinished)	X	10 190	X	5 367
33120071	Steel bars and bar shapes (except castings, forgings, and fabricated metal products)	X	50 269	X	39 269
33120017	Steel sheet and strip, including tin plate	X	62 923	X	60 659
33120025	Steel wire and wire products	X	794 997	X	688 409
33120035	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	140 631	X	110 710
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	24 033	X	19 931
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	33 093	X	22 295
00970099	All other materials and components, parts, containers, and supplies	X	512 669	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	398 366	X	N
	332710, MACHINE SHOPS				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	217 120	X	N
33200097	Other fabricated metal products (except forgings)	X	435 690	X	N
33210001	Forgings	X	124 506	X	N
33151001	Iron and steel castings (rough and semifinished)	X	603 266	X	N
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	198 144	X	N
33152003	Other nonferrous castings (rough and semifinished)	X	55 420	X	N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	632 608	X	N
33120017	Steel sheet and strip, including tin plate	X	126 886	X	N
33120019	Steel structural shapes and sheet piling (except castings, forgings, and fabricated metal products)	X	39 402	X	N
33120091	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	99 635	X	N
33142105	Copper and copper-base alloy rod, bar, and mechanical wire, including extruded and/or drawn shapes	X	47 727	X	N
33142137	All other copper and copper-based alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	26 484	X	N
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	212 057	X	N
33100055	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	133 330	X	N

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		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	332710, MACHINE SHOPS—Con.				
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	66 910	X	N
33351503	Cutting tools for machine tools	X	301 761	X	N
00190090	Fluid power products	X	124 217	X	N
00970099	All other materials and components, parts, containers, and supplies	X	715 769	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	2 104 556	X	N
	332721, PRECISION TURNED PRODUCT MFG				
33200005	Fabricated metal products, including forgings	X	50 051	X	42 540
33100035	Castings (rough and semifinished)	X	19 874	X	15 311
33120071	Steel bars and bar shapes (except castings, forgings, and fabricated metal products)	X	435 578	X	344 298
33120017	Steel sheet and strip, including tin plate	X	23 623	X	18 292
33120025	Steel wire and wire products	X	21 586	X	37 628
33120035	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	23 006	X	10 117
33142107	Copper and copper-base alloy rod, bar, and bar shapes (except castings, forgings, and fabricated metal products)	X	177 516	X	136 616
33142131	Copper and copper-base alloy plate, sheet, and strip, including military cups and discs	X	463	X	603
33142117	All other copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	3 587	X	3 927
33131600	Aluminum and aluminum-base alloy extruded shapes, including extruded rod, bar, pipe, tube, etc.	X	101 970	X	41 495
33100059	All other aluminum and aluminum-base alloy shapes and forms (wire, rolled rod and bar, powder, welded tubing, etc.)	X	24 395	X	23 766
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	35 894	X	17 315
32221001	Paperboard containers, boxes, and corrugated paperboard	X	10 372	X	9 760
33510000	Special dies, tools, die sets, jigs, and fixtures, except cutting tools for machine tools	X	38 792	X	25 851
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	8 029	X	N
00970099	All other materials and components, parts, containers, and supplies	X	757 169	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	367 803	X	207 427
	332722, BOLT, NUT, SCREW, RIVET, & WASHER MFG				
33200005	Fabricated metal products, including forgings	X	158 418	X	96 053
33100035	Castings (rough and semifinished)	X	5 874	X	10 308
33120071	Steel bars and bar shapes (except castings, forgings, and fabricated metal products)	X	215 552	X	207 881
33120017	Steel sheet and strip, including tin plate	X	122 627	X	121 468
33120025	Steel wire and wire products	X	854 999	X	518 655
33120035	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	67 178	X	67 324
33142107	Copper and copper-base alloy rod, bar, and bar shapes (except castings, forgings, and fabricated metal products)	X	24 676	X	16 000
33142131	Copper and copper-base alloy plate, sheet, and strip, including military cups and discs	X	1 014	X	13 448
33142117	All other copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	17 900	X	12 193
33131600	Aluminum and aluminum-base alloy extruded shapes, including extruded rod, bar, pipe, tube, etc.	X	9 993	X	5 766
33100059	All other aluminum and aluminum-base alloy shapes and forms (wire, rolled rod and bar, powder, welded tubing, etc.)	X	54 785	X	29 175
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	100 265	X	66 404
32221001	Paperboard containers, boxes, and corrugated paperboard	X	33 327	X	21 546
33510000	Special dies, tools, die sets, jigs, and fixtures, except cutting tools for machine tools	X	172 960	X	112 924
00970099	All other materials and components, parts, containers, and supplies	X	233 125	X	239 181
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	487 223	X	181 136
	332812, METAL COATING/ENGRAVING (EXC JEWELRY/ SILVERWARE)/ALLIED SERVICES				
33200005	Fabricated metal products, including forgings	X	374 503	X	N
33100035	Castings (rough and semifinished)	X	19 943	X	N
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	X	1 512 224	X	N
331000AJ	Nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	50 857	X	N
32521101	Plastics materials and resins	X	78 941	X	N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	425 979	X	N
32599801	Foundry chemicals, metal treating compounds, and plating compounds	X	259 463	X	N
32500067	Other chemicals and allied products	X	45 313	X	N
32791001	Grinding wheels and other abrasive products, except industrial diamonds	X	2 901	X	N
00970099	All other materials and components, parts, containers, and supplies	X	619 949	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	532 420	X	N
	332813, ELECTROPLATING, PLATING, POLISHING, ANODIZING, & COLORING				
33200005	Fabricated metal products, including forgings	X	151 866	X	105 154
33100035	Castings (rough and semifinished)	X	18 632	X	12 533
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	X	152 249	X	111 266
331000AJ	Nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	14 106	X	9 763
32521101	Plastics materials and resins	X	38 733	X	26 743
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	24 596	X	16 681
32599801	Foundry chemicals, metal treating compounds, and plating compounds	X	281 251	X	195 861
32500067	Other chemicals and allied products	X	111 904	X	73 074
32791001	Grinding wheels and other abrasive products, except industrial diamonds	X	19 785	X	11 036
00970099	All other materials and components, parts, containers, and supplies	X	204 259	X	155 685
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	386 260	X	357 916

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		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	332911, INDUSTRIAL VALVE MFG				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	172 688	X	112 278
332000AC	Metal stampings	X	58 343	X	45 557
33290003	Valves, fittings, and couplings purchased for further assembly (except forgings)	X	257 919	X	178 564
33200029	Other fabricated metal products (except forgings)	X	209 557	X	115 057
33151101	Iron castings (rough and semifinished)	X	250 560	X	174 369
33151009	Steel castings (rough and semifinished)	X	332 100	X	252 848
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	62 072	X	52 978
33152500	Copper and copper-base alloy castings (rough and semifinished)	X	116 472	X	79 063
33152009	Other nonferrous castings (rough and semifinished)	X	53 048	X	49 163
33211101	Iron and steel forgings	X	92 008	X	84 523
33211201	Nonferrous forgings	X	59 620	X	50 594
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	136 736	X	114 143
33120017	Steel sheet and strip, including tin plate	X	39 910	X	29 542
33120033	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	55 869	X	51 764
33141105	Copper and copper-base alloy refinery shapes (except castings, forgings, and fabricated metal products)	X	56 305	X	48 051
33142105	Copper and copper-base alloy rod, bar, and mechanical wire, including extruded and/or drawn shapes	X	108 143	X	87 608
33142135	Copper and copper-base alloy pipe and tube (except castings, forgings, and fabricated metal products)	X	18 039	X	14 640
33142145	All other copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	16 662	X	2 375
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	41 280	X	20 047
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	14 891	X	9 423
00190060	Scrap, including iron, steel, aluminum and aluminum-base alloy (excluding home scrap)	X	37 207	X	38 953
33531227	Electric motors and generators less than 1 horsepower (less than 746 watts)	X	18 319	X	9 409
32221001	Paperboard containers, boxes, and corrugated paperboard	X	24 439	X	25 039
32622003	Hydraulic and pneumatic hose (without fittings), rubber and plastics inner tube type, wire or textile reinforced	X	6 405	X	1 107
32622005	Other rubber and plastics hose and belting	X	9 055	X	6 190
33999103	Gaskets (all types), and packing and sealing devices	X	64 656	X	44 535
32600017	Fabricated rubber products, except tires, tubes, hose, belting, and gaskets	X	38 841	X	28 813
32610011	Fabricated plastics products (except gaskets)	X	47 541	X	42 628
00970099	All other materials and components, parts, containers, and supplies	X	508 006	X	402 107
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	322 029	X	111 184
	332912, FLUID POWER VALVE & HOSE FITTING MFG				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	280 670	X	N
332000AC	Metal stampings	X	15 436	X	8 133
33290003	Valves, fittings, and couplings purchased for further assembly (except forgings)	X	224 707	X	113 314
33200029	Other fabricated metal products (except forgings)	X	144 355	X	56 546
33151101	Iron castings (rough and semifinished)	X	76 725	X	27 428
33151009	Steel castings (rough and semifinished)	X	11 845	X	15 957
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	56 154	X	N
33152500	Copper and copper-base alloy castings (rough and semifinished)	X	4 667	X	4 619
33152009	Other nonferrous castings (rough and semifinished)	X	31 809	X	29 852
33211101	Iron and steel forgings	X	43 418	X	N
33211201	Nonferrous forgings	X	41 982	X	16 367
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	253 348	X	N
33120017	Steel sheet and strip, including tin plate	X	51 585	X	N
33120033	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	40 213	X	N
33141105	Copper and copper-base alloy refinery shapes (except castings, forgings, and fabricated metal products)	X	D	X	D
33142105	Copper and copper-base alloy rod, bar, and mechanical wire, including extruded and/or drawn shapes	X	D	X	65 617
33142135	Copper and copper-base alloy pipe and tube (except castings, forgings, and fabricated metal products)	X	10 795	X	5 219
33142145	All other copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	33 286	X	D
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	98 173	X	28 173
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	15 415	X	8 278
00190060	Scrap, including iron, steel, aluminum and aluminum-base alloy (excluding home scrap)	X	15 662	X	2 600
33531227	Electric motors and generators less than 1 horsepower (less than 746 watts)	X	3 634	X	9 005
32221001	Paperboard containers, boxes, and corrugated paperboard	X	19 955	X	21 800
32622003	Hydraulic and pneumatic hose (without fittings), rubber and plastics inner tube type, wire or textile reinforced	X	81 518	X	104 825
32622005	Other rubber and plastics hose and belting	X	718	X	626
33999103	Gaskets (all types), and packing and sealing devices	X	14 731	X	10 597
32600017	Fabricated rubber products, except tires, tubes, hose, belting, and gaskets	X	9 491	X	5 403
32610011	Fabricated plastics products (except gaskets)	X	20 473	X	8 254
00970099	All other materials and components, parts, containers, and supplies	X	350 929	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	127 947	X	N
	332913, PLUMBING FIXTURE FITTING & TRIM MFG				
332000AC	Metal stampings	X	123 663	X	N
33200073	All other fabricated metal products (except forgings)	X	115 768	X	N
33151001	Iron and steel castings (rough and semifinished)	X	14 166	X	N
33152500	Copper and copper-base alloy castings (rough and semifinished)	X	91 803	X	N
33152013	Other nonferrous castings (rough and semifinished)	X	133 321	X	N
33210001	Forgings	X	74 136	X	N
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	X	58 516	X	N

Table 1. Materials Consumed by Kind by Industry: 1997 and 1992—Con.

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	332913, PLUMBING FIXTURE FITTING & TRIM MFG—Con.				
33141105	Copper and copper-base alloy refinery shapes (except castings, forgings, and fabricated metal products)	X	13 730	X	N
33142105	Copper and copper-base alloy rod, bar, and mechanical wire, including extruded and/or drawn shapes	X	230 669	X	N
33142135	Copper and copper-base alloy pipe and tube (except castings, forgings, and fabricated metal products)	X	69 818	X	N
33142145	All other copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	31 231	X	N
33100075	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	59 546	X	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	39 676	X	N
32610011	Fabricated plastics products (except gaskets)	X	206 852	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	75 160	X	N
00970099	All other materials and components, parts, containers, and supplies	X	205 934	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	45 872	X	N
	332919, OTHER METAL VALVE & PIPE FITTING MFG				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	23 900	X	N
332000AC	Metal stampings	X	4 811	X	N
33290003	Valves, fittings, and couplings purchased for further assembly (except forgings)	X	94 558	X	N
33200029	Other fabricated metal products (except forgings)	X	23 775	X	N
33151101	Iron castings (rough and semifinished)	X	34 779	X	N
33151009	Steel castings (rough and semifinished)	X	38 886	X	N
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	7 261	X	N
33152500	Copper and copper-base alloy castings (rough and semifinished)	X	37 229	X	N
33152009	Other nonferrous castings (rough and semifinished)	X	3 956	X	N
33211101	Iron and steel forgings	X	58 917	X	N
33211201	Nonferrous forgings	X	10 332	X	N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	34 398	X	N
33120017	Steel sheet and strip, including tin plate	X	37 462	X	N
33120033	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	18 100	X	N
33141105	Copper and copper-base alloy refinery shapes (except castings, forgings, and fabricated metal products)	X	D	X	N
33142105	Copper and copper-base alloy rod, bar, and mechanical wire, including extruded and/or drawn shapes	X	46 745	X	N
33142135	Copper and copper-base alloy pipe and tube (except castings, forgings, and fabricated metal products)	X	27 797	X	N
33142145	All other copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	17 371	X	N
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	5 034	X	N
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	5 591	X	N
00190060	Scrap, including iron, steel, aluminum and aluminum-base alloy (excluding home scrap)	X	D	X	N
33531227	Electric motors and generators less than 1 horsepower (less than 746 watts)	X	6 569	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	10 116	X	N
32622003	Hydraulic and pneumatic hose (without fittings), rubber and plastics inner tube type, wire or textile reinforced	X	D	X	N
32622005	Other rubber and plastics hose and belting	X	D	X	N
33999103	Gaskets (all types), and packing and sealing devices	X	16 493	X	N
32600017	Fabricated rubber products, except tires, tubes, hose, belting, and gaskets	X	6 043	X	N
32610011	Fabricated plastics products (except gaskets)	X	1 772	X	N
00970099	All other materials and components, parts, containers, and supplies	X	162 880	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	215 110	X	N
	332991, BALL & ROLLER BEARING MFG				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	18 477	X	27 023
33200095	Other fabricated metal products (except forgings)	X	4 630	X	18 045
33211103	Cold iron and steel forgings	X	25 677	X	26 546
33211111	Other iron and steel forgings	X	239 026	X	150 848
33211201	Nonferrous forgings	X	D	X	N
33151001	Iron and steel castings (rough and semifinished)	X	42 399	X	44 247
33152011	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	X	3 149	X	6 470
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	186 836	X	184 153
33120017	Steel sheet and strip, including tin plate	X	88 235	X	59 184
33120033	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	190 096	X	128 032
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	684	X	N
33100075	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	26 479	X	7 687
00190060	Scrap, including iron, steel, aluminum and aluminum-base alloy (excluding home scrap)	X	D	X	N
33299105	Ball bearings (mounted or unmounted)	X	51 947	X	15 964
33299103	Roller bearings (mounted or unmounted)	X	D	X	17 577
33299107	Balls, rollers, cages, collars, races, and other antifriction bearing components and parts	X	601 417	X	375 954
33361305	Clutches, couplings, shafts, sprockets, and other mechanical power transmission equipment	X	2 761	X	4 546
33531207	Electric motors, generators, and parts	X	15 085	X	5 714
32221001	Paperboard containers, boxes, and corrugated paperboard	X	19 834	X	12 615
32791001	Grinding wheels and other abrasive products, except industrial diamonds	X	38 049	X	N
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	X	4 093	X	N
33361809	Engines (diesel, semidiesel, gasoline, and other carburetor)	X	D	X	N
33510000	Special dies, tools, die sets, jigs, and fixtures, except cutting tools for machine tools	X	37 681	X	N
00970099	All other materials and components, parts, containers, and supplies	X	425 937	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	70 546	X	50 727

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	332992, SMALL ARMS AMMUNITION MFG				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	D	X	80
33200095	Other fabricated metal products (except forgings)	X	D	X	64 139
33151001	Iron and steel castings (rough and semifinished)	X	D	X	D
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	1 705	X	D
33152003	Other nonferrous castings (rough and semifinished)	X	D	X	2 578
33211101	Iron and steel forgings	X	-	X	D
33211203	Aluminum and aluminum-base alloy forgings	X	D	X	N
33211207	Other nonferrous forgings	X	-	X	N
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	X	18 621	X	7 809
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	57 250	X	80 341
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	4 558	X	D
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	D
32592011	Smokeless powder	X	55 551	X	57 126
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	7 844	X	5 484
32500065	Other chemicals and allied products	X	D	X	D
32100019	Rough and dressed lumber	X	D	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	21 128	X	22 341
32610011	Fabricated plastics products (except gaskets)	X	11 831	X	7 846
33351501	Machine tool accessories, including cutting tools	X	D	X	D
00190055	Electronic, hydraulic, and mechanical subassemblies	X	D	X	D
00970099	All other materials and components, parts, containers, and supplies	X	24 428	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	11 442	X	14 469
	332993, AMMUNITION (EXCEPT SMALL ARMS) MFG				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	13 108	X	21 415
33200095	Other fabricated metal products (except forgings)	X	92 059	X	59 831
33151001	Iron and steel castings (rough and semifinished)	X	3 520	X	41 500
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	2 792	X	20 676
33152003	Other nonferrous castings (rough and semifinished)	X	4 070	X	4 508
33211101	Iron and steel forgings	X	3 131	X	7 689
33211203	Aluminum and aluminum-base alloy forgings	X	2 851	X	6 848
33211207	Other nonferrous forgings	X	D	X	2 202
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	X	12 971	X	53 885
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	4 270	X	13 830
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	9 124	X	49 726
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	6 977
32592011	Smokeless powder	X	D	X	D
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	2 648	X	2 622
32500065	Other chemicals and allied products	X	2 554	X	44 442
32100019	Rough and dressed lumber	X	1 149	X	6 132
32221001	Paperboard containers, boxes, and corrugated paperboard	X	2 291	X	6 683
32610011	Fabricated plastics products (except gaskets)	X	6 043	X	20 448
33351501	Machine tool accessories, including cutting tools	X	2 802	X	7 365
00190055	Electronic, hydraulic, and mechanical subassemblies	X	D	X	D
00970099	All other materials and components, parts, containers, and supplies	X	239 899	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	38 634	X	9 178
	332994, SMALL ARMS MFG				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	19 125	X	18 816
33200095	Other fabricated metal products (except forgings)	X	64 100	X	93 601
33151001	Iron and steel castings (rough and semifinished)	X	18 709	X	15 534
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	6 135	X	14 884
33152003	Other nonferrous castings (rough and semifinished)	X	5 602	X	D
33211101	Iron and steel forgings	X	9 045	X	9 936
33211203	Aluminum and aluminum-base alloy forgings	X	3 373	X	D
33211207	Other nonferrous forgings	X	D	X	N
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	X	51 590	X	17 185
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	394
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	2 492	X	2 135
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	4 163	X	5 723
32592011	Smokeless powder	X	D	X	D
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	838	X	D
32500065	Other chemicals and allied products	X	1 148	X	918
32100019	Rough and dressed lumber	X	7 752	X	5 616
32221001	Paperboard containers, boxes, and corrugated paperboard	X	9 158	X	7 273
32610011	Fabricated plastics products (except gaskets)	X	13 290	X	5 452
33351501	Machine tool accessories, including cutting tools	X	6 420	X	10 489
00190055	Electronic, hydraulic, and mechanical subassemblies	X	D	X	D
00970099	All other materials and components, parts, containers, and supplies	X	40 279	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	32 662	X	20 078
	332995, OTHER ORDNANCE & ACCESSORIES MFG				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	7 459	X	6 741
33200095	Other fabricated metal products (except forgings)	X	90 881	X	13 551
33151001	Iron and steel castings (rough and semifinished)	X	4 475	X	1 060
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	1 332	X	2 177
33152003	Other nonferrous castings (rough and semifinished)	X	1 431	X	D
33211101	Iron and steel forgings	X	D	X	D
33211203	Aluminum and aluminum-base alloy forgings	X	D	X	D

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	332995, OTHER ORDNANCE & ACCESSORIES MFG—Con.				
33211207	Other nonferrous forgings	X	D	X	D
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	X	5 048	X	22 912
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	D
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	2 101	X	1 642
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	D
32592011	Smokeless powder	X	D	X	D
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	D	X	D
32500065	Other chemicals and allied products	X	839	X	1 116
32100019	Rough and dressed lumber	X	D	X	D
32221001	Paperboard containers, boxes, and corrugated paperboard	X	514	X	593
32610011	Fabricated plastics products (except gaskets)	X	2 726	X	1 241
33351501	Machine tool accessories, including cutting tools	X	2 053	X	1 282
00190055	Electronic, hydraulic, and mechanical subassemblies	X	D	X	D
00970099	All other materials and components, parts, containers, and supplies	X	36 506	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	5 551	X	3 277
	332996, FABRICATED PIPE & PIPE FITTING MFG				
33291907	Metal fittings, flanges, and unions for piping systems (except forgings)	X	155 537	X	93 666
332000AC	Metal stampings	X	3 916	X	5 277
33200097	Other fabricated metal products (except forgings)	X	44 905	X	43 324
33210001	Forgings	X	36 850	X	3 734
33151001	Iron and steel castings (rough and semifinished)	X	45 206	X	39 870
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	3 351	X	1 147
33152003	Other nonferrous castings (rough and semifinished)	X	5 763	X	3 559
33120071	Steel bars and bar shapes (except castings, forgings, and fabricated metal products)	X	21 736	X	25 065
33120017	Steel sheet and strip, including tin plate	X	68 790	X	18 208
33120079	Steel plate	X	46 026	X	15 916
33120069	Steel structural shapes (except castings, forgings, and fabricated metal products)	X	D	X	25 517
33120021	Steel pipes (except castings, forgings, and fabricated metal products)	X	560 103	X	396 062
33120029	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	76 830	X	74 443
33142135	Copper and copper-base alloy pipe and tube (except castings, forgings, and fabricated metal products)	X	56 162	X	41 977
33142141	All other copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	6 919	X	6 180
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	8 594	X	N
33131600	Aluminum and aluminum-base alloy extruded shapes, including extruded rod, bar, pipe, tube, etc.	X	13 449	X	N
33100049	Other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	5 087	X	6 625
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	12 780	X	11 389
331000AA	Metal powders	X	D	X	851
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	15 081	X	12 048
00970099	All other materials and components, parts, containers, and supplies	X	269 027	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	275 373	X	N
	332997, INDUSTRIAL PATTERN MFG				
33200081	Fabricated metal products (except forgings)	X	5 918	X	2 441
33210001	Forgings	X	D	X	Z
33151001	Iron and steel castings (rough and semifinished)	X	10 641	X	8 865
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	8 058	X	4 365
33152003	Other nonferrous castings (rough and semifinished)	X	D	X	1 088
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	X	4 294	X	791
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	6 244	X	1 144
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	764	X	142
32100019	Rough and dressed lumber	X	7 654	X	3 000
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	1 934	X	1 091
00970099	All other materials and components, parts, containers, and supplies	X	30 727	X	12 507
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	29 481	X	50 513
	332998, ENAMELED IRON & METAL SANITARY WARE MFG				
332000AC	Metal stampings	X	19 774	X	12 789
33200073	All other fabricated metal products (except forgings)	X	9 754	X	9 382
33151001	Iron and steel castings (rough and semifinished)	X	20 644	X	D
33152500	Copper and copper-base alloy castings (rough and semifinished)	X	D	X	D
33152013	Other nonferrous castings (rough and semifinished)	X	D	X	D
33210001	Forgings	X	8 062	X	D
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	X	80 172	X	54 816
33141105	Copper and copper-base alloy refinery shapes (except castings, forgings, and fabricated metal products)	X	D	X	D
33142105	Copper and copper-base alloy rod, bar, and mechanical wire, including extruded and/or drawn shapes	X	D	X	D
33142135	Copper and copper-base alloy pipe and tube (except castings, forgings, and fabricated metal products)	X	3 177	X	812
33142145	All other copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	971	X	D
33100075	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	D
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	43 649	X	1 089
32610011	Fabricated plastics products (except gaskets)	X	10 893	X	6 472
32221001	Paperboard containers, boxes, and corrugated paperboard	X	47 912	X	19 969
00970099	All other materials and components, parts, containers, and supplies	X	185 805	X	83 643
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	48 829	X	29 834

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	332999, ALL OTHER MISCELLANEOUS FABRICATED METAL PRODUCT MFG				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	20 274	X	N
33291907	Metal fittings, flanges, and unions for piping systems (except forgings)	X	23 758	X	N
332000AC	Metal stampings	X	66 247	X	N
33200097	Other fabricated metal products (except forgings)	X	222 095	X	N
33210001	Forgings	X	10 761	X	N
33151001	Iron and steel castings (rough and semifinished)	X	62 893	X	N
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	21 458	X	N
33152003	Other nonferrous castings (rough and semifinished)	X	12 013	X	N
33120071	Steel bars and bar shapes (except castings, forgings, and fabricated metal products)	X	63 305	X	N
33120017	Steel sheet and strip, including tin plate	X	431 084	X	N
33120079	Steel plate	X	79 049	X	N
33120069	Steel structural shapes (except castings, forgings, and fabricated metal products)	X	26 990	X	N
33120021	Steel pipes (except castings, forgings, and fabricated metal products)	X	42 121	X	N
33120029	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	131 339	X	N
33142135	Copper and copper-base alloy pipe and tube (except castings, forgings, and fabricated metal products)	X	14 729	X	N
33142141	All other copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	43 704	X	N
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	116 713	X	N
33131600	Aluminum and aluminum-base alloy extruded shapes, including extruded rod, bar, pipe, tube, etc.	X	36 156	X	N
33131507	Aluminum and aluminum-base alloy plain foil	X	227 964	X	N
33100049	Other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	34 165	X	N
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	51 365	X	N
331000AA	Metal powders	X	18 013	X	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	27 509	X	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	29 156	X	N
21239017	Natural abrasive materials, except diamonds	X	34 929	X	N
32552003	Glues and adhesives	X	16 437	X	N
32200001	Paper and paperboard products including paperboard boxes, containers, and corrugated paperboard	X	201 108	X	N
00970099	All other materials and components, parts, containers, and supplies	X	1 160 343	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	850 165	X	N
	333111, FARM MACHINERY & EQUIPMENT MFG				
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	X	412 901	X	N
33399501	Fluid power cylinders and rotary actuators (hydraulic and pneumatic)	X	128 953	X	N
33399901	Fluid power filters (hydraulic and pneumatic)	X	16 916	X	N
33291203	Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic)	X	92 240	X	N
33291207	Fluid power valves (hydraulic and pneumatic)	X	134 915	X	N
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	172 389	X	N
332000AC	Metal stampings	X	206 096	X	N
33200041	All other fabricated metal products (except forgings)	X	371 899	X	N
33211101	Iron and steel forgings	X	111 386	X	N
33211201	Nonferrous forgings	X	3 579	X	N
33151001	Iron and steel castings (rough and semifinished)	X	583 264	X	N
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	50 190	X	N
33152003	Other nonferrous castings (rough and semifinished)	X	4 941	X	N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	507 763	X	N
33120017	Steel sheet and strip, including tin plate	X	839 901	X	N
33120019	Steel structural shapes and sheet piling (except castings, forgings, and fabricated metal products)	X	125 770	X	N
33120091	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	131 471	X	N
331000AJ	Nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	18 882	X	N
331000AA	Metal powders	X	4 685	X	N
33361811	Diesel and semidiesel engines	X	590 295	X	N
33361805	Gasoline and other carburetor engines	X	91 187	X	N
33632200	Engine electrical equipment, including spark plugs, magnetos, generators, starters, etc.	X	164 887	X	N
33531201	Electric motors and generators	X	82 558	X	N
33299105	Ball bearings (mounted or unmounted)	X	76 395	X	N
33299103	Roller bearings (mounted or unmounted)	X	62 793	X	N
33361200	Mechanical speed changers, gears, and industrial high-speed drives	X	331 118	X	N
32621001	Tires and inner tubes	X	508 418	X	N
32622001	Rubber and plastics hose and belting	X	114 305	X	N
32610011	Fabricated plastics products (except gaskets)	X	133 451	X	N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	137 476	X	N
33311100	Cabs purchased for installation on farm machinery	X	24 217	X	N
00970099	All other materials and components, parts, containers, and supplies	X	840 227	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	685 313	X	N
	333112, LAWN & GARDEN TRACTOR & HOME LAWN & GARDEN EQUIPMENT MFG				
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	X	158 005	X	N
33399501	Fluid power cylinders and rotary actuators (hydraulic and pneumatic)	X	41 474	X	N
33399901	Fluid power filters (hydraulic and pneumatic)	X	D	X	N
33291203	Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic)	X	20 580	X	N
33291207	Fluid power valves (hydraulic and pneumatic)	X	21 269	X	N
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	159 490	X	N
332000AC	Metal stampings	X	115 934	X	N
33200041	All other fabricated metal products (except forgings)	X	137 602	X	N

Table 1. Materials Consumed by Kind by Industry: 1997 and 1992—Con.

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	333112, LAWN & GARDEN TRACTOR & HOME LAWN & GARDEN EQUIPMENT MFG—Con.				
33211101	Iron and steel forgings	X	69 154	X	N
33211201	Nonferrous forgings	X	D	X	N
33151001	Iron and steel castings (rough and semifinished)	X	62 865	X	N
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	99 366	X	N
33152003	Other nonferrous castings (rough and semifinished)	X	D	X	N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	47 962	X	N
33120017	Steel sheet and strip, including tin plate	X	588 307	X	N
33120019	Steel structural shapes and sheet piling (except castings, forgings, and fabricated metal products)	X	32 799	X	N
33120091	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	29 266	X	N
331000AJ	Nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	N
331000AA	Metal powders	X	37 832	X	N
33361811	Diesel and semidiesel engines	X	38 464	X	N
33361805	Gasoline and other carburetor engines	X	1 223 073	X	N
33632200	Engine electrical equipment, including spark plugs, magnetos, generators, starters, etc.	X	67 762	X	N
33531201	Electric motors and generators	X	16 259	X	N
33299105	Ball bearings (mounted or unmounted)	X	25 571	X	N
33299103	Roller bearings (mounted or unmounted)	X	13 611	X	N
33361200	Mechanical speed changers, gears, and industrial high-speed drives	X	165 742	X	N
32621001	Tires and inner tubes	X	208 651	X	N
32622001	Rubber and plastics hose and belting	X	57 616	X	N
32610011	Fabricated plastics products (except gaskets)	X	240 409	X	N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	28 289	X	N
33311100	Cabs purchased for installation on farm machinery	X	D	X	N
00970099	All other materials and components, parts, containers, and supplies	X	336 238	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	136 836	X	N
	333120, CONSTRUCTION MACHINERY MFG				
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	X	724 526	X	N
33399501	Fluid power cylinders and rotary actuators (hydraulic and pneumatic)	X	267 012	X	N
33291203	Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic)	X	189 571	X	N
33291207	Fluid power valves (hydraulic and pneumatic)	X	277 006	X	N
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	173 649	X	N
33200099	Fabricated structural metal products (except forgings)	X	700 075	X	N
33290009	Fabricated metal wire products (including wire rope, cable, springs, etc.)	X	47 841	X	N
33200065	All other fabricated metal products (except forgings)	X	224 020	X	N
332000AC	Metal stampings	X	148 829	X	N
33210001	Forgings	X	187 462	X	N
33151001	Iron and steel castings (rough and semifinished)	X	678 708	X	N
33152011	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	X	19 965	X	N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	697 563	X	N
33120017	Steel sheet and strip, including tin plate	X	346 687	X	N
33120019	Steel structural shapes and sheet piling (except castings, forgings, and fabricated metal products)	X	165 503	X	N
33120091	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	138 306	X	N
331000AJ	Nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	8 892	X	N
33361809	Engines (diesel, semidiesel, gasoline, and other carburetor)	X	914 670	X	N
33531201	Electric motors and generators	X	194 378	X	N
33299105	Ball bearings (mounted or unmounted)	X	85 445	X	N
33299103	Roller bearings (mounted or unmounted)	X	74 703	X	N
33361200	Mechanical speed changers, gears, and industrial high-speed drives	X	261 268	X	N
32621001	Tires and inner tubes	X	249 875	X	N
32622001	Rubber and plastics hose and belting	X	96 770	X	N
32610007	Fabricated plastics products (except gaskets, hoses, and belting)	X	56 612	X	N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	91 043	X	N
001900B1	Electrical transmission, distribution, and control equipment	X	336 997	X	N
00970099	All other materials and components, parts, containers, and supplies	X	3 386 550	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	524 161	X	N
	333131, MINING MACHINERY & EQUIPMENT MFG				
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	X	15 605	X	10 971
33399501	Fluid power cylinders and rotary actuators (hydraulic and pneumatic)	X	43 889	X	14 462
33291203	Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic)	X	5 272	X	6 087
33291207	Fluid power valves (hydraulic and pneumatic)	X	18 028	X	9 070
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	16 374	X	7 129
33200099	Fabricated structural metal products (except forgings)	X	109 488	X	27 655
33290009	Fabricated metal wire products (including wire rope, cable, springs, etc.)	X	19 092	X	8 598
332000AC	Metal stampings	X	844	X	N
33200065	All other fabricated metal products (except forgings)	X	15 426	X	N
33210001	Forgings	X	70 537	X	N
33151001	Iron and steel castings (rough and semifinished)	X	109 237	X	53 842
33152011	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	X	D	X	N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	93 798	X	52 287
33120017	Steel sheet and strip, including tin plate	X	30 193	X	7 749
33120019	Steel structural shapes and sheet piling (except castings, forgings, and fabricated metal products)	X	22 808	X	4 887
33120091	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	7 234
331000AJ	Nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	1 133	X	N
33361809	Engines (diesel, semidiesel, gasoline, and other carburetor)	X	25 308	X	N
33531201	Electric motors and generators	X	59 084	X	N
33299105	Ball bearings (mounted or unmounted)	X	5 879	X	6 991

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	333131, MINING MACHINERY & EQUIPMENT MFG—Con.				
33299103	Roller bearings (mounted or unmounted)	X	17 997	X	12 523
33361200	Mechanical speed changers, gears, and industrial high-speed drives	X	46 969	X	27 963
32621001	Tires and inner tubes	X	3 688	X	N
32622001	Rubber and plastics hose and belting	X	6 598	X	5 636
32610007	Fabricated plastics products (except gaskets, hoses, and belting)	X	10 101	X	2 589
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	7 438	X	2 067
001900B1	Electrical transmission, distribution, and control equipment	X	18 796	X	N
00970099	All other materials and components, parts, containers, and supplies	X	160 360	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	172 079	X	116 165
	333132, OIL & GAS FIELD MACHINERY & EQUIPMENT MFG				
33291205	Fluid power (hydraulic and pneumatic) valves	X	12 620	X	15 847
33291903	All other valves	X	72 342	X	12 278
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	X	17 171	X	17 794
33391103	All other pumps	X	32 773	X	10 030
33399501	Fluid power cylinders and rotary actuators (hydraulic and pneumatic)	X	6 860	X	12 876
33399901	Fluid power filters (hydraulic and pneumatic)	X	1 536	X	3 243
33291203	Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic)	X	12 331	X	11 404
33200057	Fabricated metal products, except forgings	X	121 863	X	99 434
33210001	Forgings	X	97 017	X	N
33151001	Iron and steel castings (rough and semifinished)	X	132 874	X	38 411
33152011	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	X	5 521	X	14 387
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	225 453	X	165 952
33120069	Steel structural shapes (except castings, forgings, and fabricated metal products)	X	24 365	X	27 264
33120089	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	48 724	X	55 276
331000AJ	Nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	26 751	X	11 486
331000AA	Metal powders	X	31 655	X	13 300
33361811	Diesel and semidiesel engines	X	22 748	X	20 974
33531221	Integral horsepower electric motors and generators (1 hp or more)	X	1 254	X	5 243
33299101	Ball and roller bearings (mounted or unmounted)	X	8 795	X	13 041
32600017	Fabricated rubber products, except tires, tubes, hose, belting, and gaskets	X	44 711	X	36 280
32610011	Fabricated plastics products (except gaskets)	X	7 885	X	7 993
32799903	Industrial diamonds	X	48 088	X	5 628
33351503	Cutting tools for machine tools	X	26 364	X	19 624
00970099	All other materials and components, parts, containers, and supplies	X	637 479	X	332 044
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	502 609	X	381 901
	333210, SAWMILL & WOODWORKING MACHINERY MFG				
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	X	16 019	X	5 799
33391103	All other pumps	X	335	X	231
33291207	Fluid power valves (hydraulic and pneumatic)	X	5 525	X	3 063
33291203	Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic)	X	3 715	X	1 357
33399501	Fluid power cylinders and rotary actuators (hydraulic and pneumatic)	X	8 200	X	4 530
33399901	Fluid power filters (hydraulic and pneumatic)	X	448	X	1 006
00190089	Other fluid power products (hydraulic and pneumatic)	X	1 037	X	1 423
33200057	Fabricated metal products, except forgings	X	28 585	X	14 592
33210001	Forgings	X	1 789	X	452
33151001	Iron and steel castings (rough and semifinished)	X	29 440	X	23 505
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	6 685	X	6 912
33152003	Other nonferrous castings (rough and semifinished)	X	1 925	X	D
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	55 454	X	33 496
33120017	Steel sheet and strip, including tin plate	X	20 964	X	9 531
33120033	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	3 021	X	4 874
331000AJ	Nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	718	X	2 329
33531217	Other fractional horsepower electric motors (under 1 hp)	X	12 804	X	14 199
33531221	Integral horsepower electric motors and generators (1 hp or more)	X	23 990	X	33 479
33299105	Ball bearings (mounted or unmounted)	X	8 902	X	7 155
33299103	Roller bearings (mounted or unmounted)	X	4 920	X	2 294
32610011	Fabricated plastics products (except gaskets)	X	7 172	X	4 866
33410003	Electronic computing equipment and parts	X	26 241	X	6 207
001900B1	Electrical transmission, distribution, and control equipment	X	15 781	X	11 626
33531413	Numerical controls for woodworking machinery and equipment	X	5 436	X	2 202
32221001	Paperboard containers, boxes, and corrugated paperboard	X	5 636	X	5 886
00970099	All other materials and components, parts, containers, and supplies	X	124 141	X	D
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	69 547	X	82 960
	333220, PLASTICS & RUBBER INDUSTRY MACHINERY MFG				
001900B1	Electrical transmission, distribution, and control equipment	X	107 001	X	N
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	X	40 804	X	N
33391101	Other pumps and pump parts, except fluid power (complete assemblies)	X	9 559	X	N
33291207	Fluid power valves (hydraulic and pneumatic)	X	21 707	X	N
33399501	Fluid power cylinders and rotary actuators (hydraulic and pneumatic)	X	21 591	X	N
33291203	Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic)	X	12 687	X	N
33399901	Fluid power filters (hydraulic and pneumatic)	X	4 600	X	N
00190089	Other fluid power products (hydraulic and pneumatic)	X	7 732	X	N
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	13 554	X	N
332000A1	Metal tanks, heat exchangers, steam condensers, and other boiler products, fabricated steel plate, and weldments	X	35 473	X	N
33291901	Metal pipe, valves, and pipe fittings (except forgings)	X	10 383	X	N
33200051	Other fabricated metal products (except fluid power products and forgings)	X	50 027	X	N
33210001	Forgings	X	8 144	X	N
33151001	Iron and steel castings (rough and semifinished)	X	93 429	X	N
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	10 161	X	N
33152003	Other nonferrous castings (rough and semifinished)	X	3 590	X	N

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		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	333220, PLASTICS & RUBBER INDUSTRY MACHINERY MFG—Con.				
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	68 383	X	N
33120017	Steel sheet and strip, including tin plate	X	18 671	X	N
33120019	Steel structural shapes and sheet piling (except castings, forgings, and fabricated metal products)	X	16 658	X	N
33120091	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	25 740	X	N
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	8 765	X	N
33100055	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	2 207	X	N
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	4 453	X	N
33531217	Other fractional horsepower electric motors (under 1 hp)	X	13 754	X	N
33531221	Integral horsepower electric motors and generators (1 hp or more)	X	42 032	X	N
33299101	Ball and roller bearings (mounted or unmounted)	X	16 453	X	N
33361200	Mechanical speed changers, gears, and industrial high-speed drives	X	41 226	X	N
33391200	Air and gas compressors except refrigeration compressors	X	2 609	X	N
32212031	Filter paper	X	1 645	X	N
00970099	All other materials and components, parts, containers, and supplies	X	492 675	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	153 907	X	N
	333291, PAPER INDUSTRY MACHINERY MFG				
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	X	10 466	X	8 040
33391103	All other pumps	X	325	X	353
33291207	Fluid power valves (hydraulic and pneumatic)	X	20 698	X	9 540
33291203	Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic)	X	19 437	X	7 619
33399501	Fluid power cylinders and rotary actuators (hydraulic and pneumatic)	X	17 248	X	9 606
33399901	Fluid power filters (hydraulic and pneumatic)	X	2 251	X	546
00190089	Other fluid power products (hydraulic and pneumatic)	X	7 098	X	4 568
33200057	Fabricated metal products, except forgings	X	73 655	X	46 924
33210001	Forgings	X	11 403	X	7 253
33151001	Iron and steel castings (rough and semifinished)	X	73 337	X	35 247
33152011	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	X	13 697	X	15 268
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	144 131	X	65 766
33120017	Steel sheet and strip, including tin plate	X	26 374	X	19 106
33120033	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	27 396	X	12 998
331000AJ	Nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	9 795	X	7 926
33531221	Integral horsepower electric motors and generators (1 hp or more)	X	27 880	X	14 165
33299105	Ball bearings (mounted or unmounted)	X	16 840	X	8 217
33299103	Roller bearings (mounted or unmounted)	X	22 496	X	7 765
33361301	Plain bearings and bushings	X	14 601	X	7 048
33361200	Mechanical speed changers, gears, and industrial high-speed drives	X	60 366	X	28 142
001900B1	Electrical transmission, distribution, and control equipment	X	92 181	X	53 317
32600017	Fabricated rubber products, except tires, tubes, hose, belting, and gaskets	X	14 043	X	9 950
00970099	All other materials and components, parts, containers, and supplies	X	632 694	X	463 509
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	133 997	X	109 540
	333292, TEXTILE MACHINERY MFG				
00190090	Fluid power products	X	22 143	X	N
33200057	Fabricated metal products, except forgings	X	54 948	X	N
33210001	Forgings	X	4 857	X	N
33151001	Iron and steel castings (rough and semifinished)	X	31 556	X	N
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	8 496	X	N
33152003	Other nonferrous castings (rough and semifinished)	X	3 123	X	N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	35 106	X	N
33120017	Steel sheet and strip, including tin plate	X	10 818	X	N
33120019	Steel structural shapes and sheet piling (except castings, forgings, and fabricated metal products)	X	2 862	X	N
33120025	Steel wire and wire products	X	27 666	X	N
33120087	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	4 143	X	N
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	5 445	X	N
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	10 008	X	N
33531221	Integral horsepower electric motors and generators (1 hp or more)	X	18 050	X	N
33299105	Ball bearings (mounted or unmounted)	X	7 174	X	N
33299103	Roller bearings (mounted or unmounted)	X	3 041	X	N
33360000	Speed reducers, gears, drives, and other mechanical power transmission equipment, except bearings	X	16 519	X	N
32610011	Fabricated plastics products (except gaskets)	X	8 535	X	N
001900B1	Electrical transmission, distribution, and control equipment	X	44 668	X	N
00970099	All other materials and components, parts, containers, and supplies	X	162 425	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	116 353	X	N
	333293, PRINTING MACHINERY & EQUIPMENT MFG				
00190090	Fluid power products	X	41 429	X	29 739
33200057	Fabricated metal products, except forgings	X	197 701	X	98 267
33210001	Forgings	X	13 891	X	N
33151001	Iron and steel castings (rough and semifinished)	X	33 951	X	47 828
33152011	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	X	5 316	X	4 742
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	41 541	X	46 978
33120085	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	21 068	X	16 364
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	7 993	X	N
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	2 314	X	2 979
33531217	Other fractional horsepower electric motors (under 1 hp)	X	17 635	X	12 468

Table 1. Materials Consumed by Kind by Industry: 1997 and 1992—Con.

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	333293, PRINTING MACHINERY & EQUIPMENT MFG—Con.				
33531221	Integral horsepower electric motors and generators (1 hp or more)	X	20 818	X	15 227
33299105	Ball bearings (mounted or unmounted)	X	17 897	X	16 634
33299103	Roller bearings (mounted or unmounted)	X	15 554	X	7 823
33361200	Mechanical speed changers, gears, and industrial high-speed drives	X	34 536	X	65 964
001900B1	Electrical transmission, distribution, and control equipment	X	44 168	X	80 709
00970099	All other materials and components, parts, containers, and supplies	X	551 636	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	346 734	X	N
	333294, FOOD PRODUCT MACHINERY MFG				
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	X	9 007	X	9 197
33391103	All other pumps	X	13 329	X	9 915
33291207	Fluid power valves (hydraulic and pneumatic)	X	9 544	X	9 923
33399501	Fluid power cylinders and rotary actuators (hydraulic and pneumatic)	X	3 984	X	3 844
33291203	Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic)	X	4 938	X	4 741
33399901	Fluid power filters (hydraulic and pneumatic)	X	1 786	X	2 518
00190089	Other fluid power products (hydraulic and pneumatic)	X	2 186	X	1 393
332000A1	Metal tanks, heat exchangers, steam condensers, and other boiler products; fabricated steel plate and weldments	X	40 912	X	13 740
33200059	All other fabricated metal products, except forgings	X	68 858	X	35 243
33210001	Forgings	X	6 627	X	2 626
33151001	Iron and steel castings (rough and semifinished)	X	23 679	X	27 547
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	20 989	X	11 172
33152003	Other nonferrous castings (rough and semifinished)	X	4 716	X	5 612
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	49 466	X	47 936
33120017	Steel sheet and strip, including tin plate	X	57 603	X	54 806
33120033	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	15 089	X	20 568
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	18 681	X	17 357
33100055	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	2 838	X	8 169
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	12 524	X	11 361
33531217	Other fractional horsepower electric motors (under 1 hp)	X	14 314	X	7 825
33531221	Integral horsepower electric motors and generators (1 hp or more)	X	18 091	X	23 831
33299101	Ball and roller bearings (mounted or unmounted)	X	12 310	X	12 767
33361200	Mechanical speed changers, gears, and industrial high-speed drives	X	21 821	X	20 218
001900B1	Electrical transmission, distribution, and control equipment	X	43 307	X	33 071
32192001	Wood boxes, pallets, skids, and containers	X	5 990	X	3 815
00970099	All other materials and components, parts, containers, and supplies	X	324 782	X	220 403
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	284 157	X	175 701
	333295, SEMICONDUCTOR MACHINERY MFG				
001900B1	Electrical transmission, distribution, and control equipment	X	249 994	X	N
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	X	113 985	X	N
33391101	Other pumps and pump parts, except fluid power (complete assemblies)	X	172 452	X	N
33291207	Fluid power valves (hydraulic and pneumatic)	X	85 866	X	N
33399501	Fluid power cylinders and rotary actuators (hydraulic and pneumatic)	X	20 957	X	N
33291203	Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic)	X	57 797	X	N
33399901	Fluid power filters (hydraulic and pneumatic)	X	39 041	X	N
00190089	Other fluid power products (hydraulic and pneumatic)	X	37 579	X	N
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	55 701	X	N
332000A1	Metal tanks, heat exchangers, steam condensers, and other boiler products, fabricated steel plate, and weldments	X	48 101	X	N
33291901	Metal pipe, valves, and pipe fittings (except forgings)	X	41 042	X	N
33200051	Other fabricated metal products (except fluid power products and forgings)	X	202 344	X	N
33210001	Forgings	X	D	X	N
33151001	Iron and steel castings (rough and semifinished)	X	35 507	X	N
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	79 590	X	N
33152003	Other nonferrous castings (rough and semifinished)	X	D	X	N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	30 073	X	N
33120017	Steel sheet and strip, including tin plate	X	32 486	X	N
33120019	Steel structural shapes and sheet piling (except castings, forgings, and fabricated metal products)	X	28 283	X	N
33120091	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	5 916	X	N
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	132 838	X	N
33100055	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	N
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	N
33531217	Other fractional horsepower electric motors (under 1 hp)	X	63 483	X	N
33531221	Integral horsepower electric motors and generators (1 hp or more)	X	66 805	X	N
33299101	Ball and roller bearings (mounted or unmounted)	X	23 128	X	N
33361200	Mechanical speed changers, gears, and industrial high-speed drives	X	5 513	X	N
33391200	Air and gas compressors except refrigeration compressors	X	8 489	X	N
32212031	Filter paper	X	D	X	N
00970099	All other materials and components, parts, containers, and supplies	X	1 978 113	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	981 273	X	N
	333298, ALL OTHER INDUSTRIAL MACHINERY MFG				
001900B1	Electrical transmission, distribution, and control equipment	X	117 088	X	N
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	X	40 715	X	N
33391101	Other pumps and pump parts, except fluid power (complete assemblies)	X	26 602	X	N
33291207	Fluid power valves (hydraulic and pneumatic)	X	21 620	X	N
33399501	Fluid power cylinders and rotary actuators (hydraulic and pneumatic)	X	23 360	X	N
33291203	Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic)	X	13 060	X	N
33399901	Fluid power filters (hydraulic and pneumatic)	X	7 483	X	N
00190089	Other fluid power products (hydraulic and pneumatic)	X	6 413	X	N
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	45 372	X	N
332000A1	Metal tanks, heat exchangers, steam condensers, and other boiler products, fabricated steel plate, and weldments	X	51 100	X	N

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	333298, ALL OTHER INDUSTRIAL MACHINERY MFG—Con.				
33291901	Metal pipe, valves, and pipe fittings (except forgings)	X	44 979	X	N
33200051	Other fabricated metal products (except fluid power products and forgings)	X	173 863	X	N
33210001	Forgings	X	8 592	X	N
33151001	Iron and steel castings (rough and semifinished)	X	61 994	X	N
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	18 708	X	N
33152003	Other nonferrous castings (rough and semifinished)	X	4 685	X	N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	122 068	X	N
33120017	Steel sheet and strip, including tin plate	X	147 301	X	N
33120019	Steel structural shapes and sheet piling (except castings, forgings, and fabricated metal products)	X	28 619	X	N
33120091	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	53 827	X	N
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	18 970	X	N
33100055	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	12 047	X	N
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	18 718	X	N
33531217	Other fractional horsepower electric motors (under 1 hp)	X	16 621	X	N
33531221	Integral horsepower electric motors and generators (1 hp or more)	X	34 936	X	N
33299101	Ball and roller bearings (mounted or unmounted)	X	28 728	X	N
33361200	Mechanical speed changers, gears, and industrial high-speed drives	X	31 409	X	N
33391200	Air and gas compressors except refrigeration compressors	X	4 542	X	N
32212031	Filter paper	X	10 676	X	N
33120033	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	1 360	X	N
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	12 766	X	N
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies	X	13 183	X	N
33593101	Current-carrying wiring devices	X	1 832	X	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	2 551	X	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	3 485	X	N
00970099	All other materials and components, parts, containers, and supplies	X	1 113 202	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	921 620	X	N
	333311, AUTOMATIC VENDING MACHINE MFG				
33531225	Fractional horsepower electric motors and generators (less than 1 hp)	X	48 969	X	21 266
001900A6	Refrigeration compressors, compressor units, condensing units, and other heat transfer equipment	X	36 708	X	18 605
33593101	Current-carrying wiring devices	X	82 655	X	22 369
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	17 889	X	8 863
332000AC	Metal stampings	X	17 168	X	6 645
33200071	Other fabricated metal products (except electrical enclosures and forgings)	X	30 046	X	7 747
33210001	Forgings	X	—	X	N
33100035	Castings (rough and semifinished)	X	6 307	X	4 147
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	X	65 405	X	39 277
331000AJ	Nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	4 327	X	1 328
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	51 293	X	25 207
32551003	Paints, varnishes, stains, lacquers, shellacs, japans, enamels, and allied products	X	12 405	X	8 003
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies	X	7 829	X	6 892
00970099	All other materials and components, parts, containers, and supplies	X	252 811	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	39 396	X	75 612
	333312, COMMERCIAL LAUNDRY, DRYCLEANING, & PRESSING MACHINE MFG				
332000AC	Metal stampings	X	13 102	X	10 785
33290001	Metal pipe, valves, and pipe fittings, except plumbers' and forgings	X	12 853	X	7 943
33200069	Other fabricated metal products (except forgings)	X	30 315	X	19 790
33210001	Forgings	X	203	X	162
33100035	Castings (rough and semifinished)	X	8 433	X	6 630
33120017	Steel sheet and strip, including tin plate	X	54 666	X	40 663
33120083	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	9 034	X	8 204
331000AJ	Nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	5 016	X	8 447
33531217	Other fractional horsepower electric motors (under 1 hp)	X	13 121	X	18 446
33531221	Integral horsepower electric motors and generators (1 hp or more)	X	13 431	X	10 060
32622001	Rubber and plastics hose and belting	X	7 731	X	4 310
33361301	Plain bearings and bushings	X	7 993	X	15 012
33361200	Mechanical speed changers, gears, and industrial high-speed drives	X	7 626	X	8 943
33593101	Current-carrying wiring devices	X	10 307	X	7 922
001900B1	Electrical transmission, distribution, and control equipment	X	26 950	X	20 456
32192001	Wood boxes, pallets, skids, and containers	X	3 691	X	2 225
00970099	All other materials and components, parts, containers, and supplies	X	63 201	X	47 027
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	23 335	X	19 089
	333313, OFFICE MACHINERY MFG				
33441103	Cathode ray tubes (CRT'S) and all other transmittal, industrial, and special purpose electron tubes (except x-ray)	X	D	X	N
33441200	Printed circuit boards (without inserted components) for electronic circuitry	X	9 013	X	N
001900C3	Printed memory boards for electronic circuitry	X	7 048	X	N
001900C6	Printed peripheral controllers (graphic boards, drive controllers, etc.) for electronic circuitry	X	9 818	X	N
001900C7	Printed computer processors (system boards, array processors, etc.) for electronic circuitry	X	19 284	X	N
001900C5	Printed communication boards (LAN boards, D/A and A/D converters, etc.) for electronic circuitry	X	D	X	N

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		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	333313, OFFICE MACHINERY MFG—Con.				
001900D1	Other printed circuit boards (loaded boards, subassemblies, and modules) for electronic circuitry	X	2 391	X	N
33441300	Semiconductors, including transistors, diodes, rectifiers, and integrated circuits for electronic circuitry	X	28 197	X	N
33441400	Capacitors for electronic circuitry	X	5 066	X	N
33441500	Resistors for electronic circuitry	X	2 428	X	N
33441700	Connectors for electronic circuitry	X	6 293	X	N
33400017	Battery packs for electronic circuitry	X	3 056	X	N
001900D2	Other power supply units for electronic circuitry	X	4 355	X	N
001900B8	Other components and accessories for elect. circuitry (incl. coils, transformers, transducers, switches, etc) exc. tubes	X	12 219	X	N
001900B1	Electrical transmission, distribution, and control equipment	X	5 148	X	N
33232201	Steel, aluminum, and other metal electronic enclosure	X	14 477	X	N
32619901	Plastics electronic enclosures	X	8 287	X	N
33200003	Sheet metal products (including stampings), except enclosures	X	17 535	X	N
33200017	All other fabricated metal products (except forgings)	X	14 089	X	N
33210001	Forgings	X	D	X	N
33100035	Castings (rough and semifinished)	X	1 812	X	N
33100033	Metal shapes and forms, except castings, forgings, and fabricated metal products	X	9 022	X	N
331000A9	Insulated copper wire and cable (including magnet wire)	X	3 040	X	N
32610031	Fabricated plastics products, except enclosures	X	10 546	X	N
33461100	Purchased software	X	D	X	N
33593103	Appliance outlets, switches, lampholders, and other current-carrying wiring devices	X	3 311	X	N
33531201	Electric motors and generators	X	14 370	X	N
32200001	Paper and paperboard products including paperboard boxes, containers, and corrugated paperboard	X	5 774	X	N
33411101	Purchased computers	X	10 573	X	N
33411200	Purchased peripheral storage devices	X	D	X	N
33411300	Purchased computer terminals	X	194	X	N
33411903	Purchased peripheral input devices, including keyboards, mouse devices, trackballs, etc.	X	D	X	N
33411905	Purchased peripheral printers	X	9 271	X	N
33410007	Other purchased electronic computing and peripheral equipment	X	D	X	N
00970099	All other materials and components, parts, containers, and supplies	X	147 796	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	639 529	X	N
	333314, OPTICAL INSTRUMENT & LENS MFG				
33441200	Printed circuit boards (without inserted components) for electronic circuitry	X	12 075	X	N
001900C4	Printed circuit assemblies, loaded boards or modules (printed circuit boards with inserted electronic components)	X	75 188	X	N
33441300	Semiconductors, including transistors, diodes, rectifiers, and integrated circuits for electronic circuitry	X	22 853	X	N
33441400	Capacitors for electronic circuitry	X	4 612	X	N
33441500	Resistors for electronic circuitry	X	1 618	X	N
001900D3	Other components and accessories for electronic circuitry, n.e.c., except tubes	X	11 095	X	N
33593101	Current-carrying wiring devices	X	27 125	X	N
001900B1	Electrical transmission, distribution, and control equipment	X	2 908	X	5 183
33410001	Electronic computing equipment	X	28 844	X	N
33451501	Electrical instrument mechanisms and meter movements (including instrument relays)	X	11 245	X	N
33451503	Electrical measuring instruments and parts, not listed elsewhere	X	S	X	1 815
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	23 899	X	5 528
32610007	Fabricated plastics products (except gaskets, hoses, and belting)	X	38 630	X	N
332000A9	Sheet metal products, except stampings	X	18 061	X	N
332000AC	Metal stampings	X	5 724	X	N
332000AE	Other fabricated metal products (except forgings)	X	100 638	X	N
33210001	Forgings	X	D	X	N
33100035	Castings (rough and semifinished)	X	D	X	N
33100033	Metal shapes and forms, except castings, forgings, and fabricated metal products	X	27 166	X	N
32720003	Glass and glass products (excluding windows and mirrors)	X	196 038	X	88 007
00970099	All other materials and components, parts, containers, and supplies	X	178 229	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	214 866	X	N
	333315, PHOTOGRAPHIC & PHOTOCOPYING EQUIPMENT MFG				
33200073	All other fabricated metal products (except forgings)	X	53 572	X	N
33151001	Iron and steel castings (rough and semifinished)	X	6 182	X	N
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	97 522	X	N
33152003	Other nonferrous castings (rough and semifinished)	X	48	X	N
331000AJ	Nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	35 505	X	N
001900B7	Resistors, capacitors, transformers, electron tubes, semiconductors, and other electronic components	X	563 707	X	N
32210007	Paper and paperboard products (except paperboard boxes, containers, corrugated paperboard, and photographic base papers)	X	9 950	X	N
32212025	Photographic base papers	X	676	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	67 882	X	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	73 163	X	N
32611303	Unsupported plastics film and sheet for photographic, mimeographic, X-ray, etc.	X	D	X	N
32610011	Fabricated plastics products (except gaskets)	X	269 701	X	N
33331405	Photographic and projection lenses and prisms	X	D	X	N
32599203	Light sensitive films and papers	X	D	X	N
00970099	All other materials and components, parts, containers, and supplies	X	1 321 588	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	284 688	X	N

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		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	333319, OTHER COMMERCIAL & SERVICE INDUSTRY MACHINERY MFG				
001900B1	Electrical transmission, distribution, and control equipment	X	155 103	X	N
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	X	68 315	X	N
33291207	Fluid power valves (hydraulic and pneumatic)	X	53 820	X	N
33399501	Fluid power cylinders and rotary actuators (hydraulic and pneumatic)	X	19 129	X	N
33291203	Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic)	X	41 397	X	N
33399901	Fluid power filters (hydraulic and pneumatic)	X	25 396	X	N
00190089	Other fluid power products (hydraulic and pneumatic)	X	9 310	X	N
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	66 710	X	N
33200051	Other fabricated metal products (except fluid power products and forgings)	X	27 449	X	N
33210001	Forgings	X	5 946	X	N
33151001	Iron and steel castings (rough and semifinished)	X	67 925	X	N
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	9 813	X	N
33152003	Other nonferrous castings (rough and semifinished)	X	6 360	X	N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	59 385	X	N
33120017	Steel sheet and strip, including tin plate	X	254 224	X	N
33120019	Steel structural shapes and sheet piling (except castings, forgings, and fabricated metal products)	X	21 510	X	N
33120091	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	44 419	X	N
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	49 118	X	N
33531217	Other fractional horsepower electric motors (under 1 hp)	X	23 702	X	N
33531221	Integral horsepower electric motors and generators (1 hp or more)	X	93 994	X	N
33299101	Ball and roller bearings (mounted or unmounted)	X	6 472	X	N
33361200	Mechanical speed changers, gears, and industrial high-speed drives	X	27 201	X	N
33391103	All other pumps	X	60 191	X	24 802
33290001	Metal pipe, valves, and pipe fittings, except plumbers' and forgings	X	40 703	X	44 406
33200077	Other fabricated metal products, except electrical enclosures and forgings	X	141 131	X	89 971
33152011	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	X	22 584	X	22 766
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	26 308	X	N
33531225	Fractional horsepower electric motors and generators (less than 1 hp)	X	53 271	X	43 263
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	80 694	X	52 251
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	72 343	X	70 642
00190091	Electrical enclosures (metal and plastics)	X	20 011	X	19 284
33593101	Current-carrying wiring devices	X	38 669	X	N
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies	X	42 998	X	N
33200097	Other fabricated metal products (except forgings)	X	6 063	X	N
00190090	Fluid power products	X	5 994	X	N
332000AC	Metal stampings	X	4 066	X	N
33200033	Other fabricated metal products (except forgings)	X	8 461	X	N
33441200	Printed circuit boards (without inserted components) for electronic circuitry	X	7 202	X	N
001900C4	Printed circuit assemblies, loaded boards or modules (printed circuit boards with inserted electronic components)	X	7 542	X	N
33441300	Semiconductors, including transistors, diodes, rectifiers, and integrated circuits for electronic circuitry	X	5 686	X	N
001900D3	Other components and accessories for electronic circuitry, n.e.c., except tubes	X	8 265	X	N
331000A7	Insulated wire and cable, including magnet wire	X	4 182	X	N
33410001	Electronic computing equipment	X	D	X	N
33331401	Optical instruments and lenses (except sighting, tracking, and fire control)	X	D	X	N
32610007	Fabricated plastics products (except gaskets, hoses, and belting)	X	4 948	X	N
00970099	All other materials and components, parts, containers, and supplies	X	1 096 786	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	823 033	X	N
	333411, AIR PURIFICATION EQUIPMENT MFG				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	24 758	X	N
33291901	Metal pipe, valves, and pipe fittings (except forgings)	X	43 077	X	N
33200051	Other fabricated metal products (except fluid power products and forgings)	X	21 906	X	N
33200099	Fabricated structural metal products (except forgings)	X	43 826	X	N
00190090	Fluid power products	X	17 611	X	N
33210001	Forgings	X	D	X	N
33151001	Iron and steel castings (rough and semifinished)	X	21 840	X	N
33152011	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	X	D	X	N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	39 552	X	N
33120017	Steel sheet and strip, including tin plate	X	100 262	X	N
33120033	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	11 537	X	N
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	52 601	X	N
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	45 142	X	N
33531201	Electric motors and generators	X	40 778	X	N
33299101	Ball and roller bearings (mounted or unmounted)	X	4 189	X	N
00190011	Flexible packaging materials and paperboard containers and boxes and corrugated paperboard	X	21 027	X	N
00970099	All other materials and components, parts, containers, and supplies	X	257 891	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	104 372	X	N
	333412, INDUSTRIAL & COMMERCIAL FAN & BLOWER MFG				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	17 918	X	N
00190090	Fluid power products	X	D	X	N
33200051	Other fabricated metal products (except fluid power products and forgings)	X	D	X	N
33200099	Fabricated structural metal products (except forgings)	X	37 446	X	N
33291901	Metal pipe, valves, and pipe fittings (except forgings)	X	3 408	X	N
33210001	Forgings	X	5 418	X	N
33151001	Iron and steel castings (rough and semifinished)	X	23 939	X	N
33152011	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	X	19 082	X	N

Table 1. Materials Consumed by Kind by Industry: 1997 and 1992—Con.

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	333412, INDUSTRIAL & COMMERCIAL FAN & BLOWER MFG—Con.				
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	30 079	X	N
33120017	Steel sheet and strip, including tin plate	X	110 643	X	N
33120033	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	7 409	X	N
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	5 014	X	N
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	22 467	X	N
33531201	Electric motors and generators	X	94 586	X	N
33299101	Ball and roller bearings (mounted or unmounted)	X	25 216	X	N
00190011	Flexible packaging materials and paperboard containers and boxes and corrugated paperboard	X	9 440	X	N
00970099	All other materials and components, parts, containers, and supplies	X	231 896	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	156 619	X	N
	333414, HEATING EQUIPMENT (EXCEPT WARM AIR FURNACES) MFG				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	20 071	X	N
33200037	Other fabricated metal products (except forgings)	X	242 958	X	N
33210001	Forgings	X	9 956	X	N
33151001	Iron and steel castings (rough and semifinished)	X	73 431	X	N
33152011	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	X	30 321	X	N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	23 175	X	N
33120017	Steel sheet and strip, including tin plate	X	161 760	X	N
33120091	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	21 501	X	N
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	12 618	X	N
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	33 797	X	N
33531201	Electric motors and generators	X	57 729	X	N
33451200	Automatic temperature controls (thermostats, regulators, etc.)	X	115 062	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	42 994	X	N
00970099	All other materials and components, parts, containers, and supplies	X	385 778	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	265 107	X	N
	333415, AC & WARM AIR HEATING & COMMERCIAL/ INDUSTRIAL REFRIG EQUIP MFG				
33151001	Iron and steel castings (rough and semifinished)	X	363 827	X	N
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	94 726	X	N
33152003	Other nonferrous castings (rough and semifinished)	X	10 184	X	N
33210001	Forgings	X	26 023	X	N
33120017	Steel sheet and strip, including tin plate	X	722 136	X	N
33142135	Copper and copper-base alloy pipe and tube (except castings, forgings, and fabricated metal products)	X	532 341	X	N
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	314 793	X	N
33100055	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	76 507	X	N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	67 220	X	N
001900A6	Refrigeration compressors, compressor units, condensing units, and other heat transfer equipment	X	1 686 209	X	N
33531209	Fractional horsepower electric timing motors, synchronous and subsynchronous (less than 1 hp)	X	233 853	X	N
33531223	Fractional horsepower electric motors (less than 1 hp), except timing motors	X	334 893	X	N
33531221	Integral horsepower electric motors and generators (1 hp or more)	X	772 225	X	N
33341200	Fans and blowers	X	160 903	X	N
001900B1	Electrical transmission, distribution, and control equipment	X	494 627	X	N
33593101	Current-carrying wiring devices	X	191 831	X	N
33451200	Automatic temperature controls (thermostats, regulators, etc.)	X	361 032	X	N
33299101	Ball and roller bearings (mounted or unmounted)	X	32 498	X	N
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	168 472	X	N
332000AC	Metal stampings	X	274 329	X	N
33251005	Metal hardware, including hinges, handles, locks, casters, etc.	X	70 484	X	N
33291901	Metal pipe, valves, and pipe fittings (except forgings)	X	198 373	X	N
33200053	All other fabricated metal products (except forgings)	X	315 747	X	N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	288 263	X	N
33120025	Steel wire and wire products	X	33 633	X	N
33120035	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	156 366	X	N
33142143	All other copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	109 780	X	N
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	15 873	X	N
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies	X	161 505	X	N
32192003	Wooden containers, complete (including combination wood and paperboard)	X	45 406	X	N
32510027	Refrigerant gases and other synthetic organic chemicals	X	85 994	X	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	59 485	X	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	94 501	X	N
32610007	Fabricated plastics products (except gaskets, hoses, and belting)	X	169 435	X	N
32622001	Rubber and plastics hose and belting	X	42 354	X	N
33999101	Gaskets (all types) and asbestos packing	X	43 206	X	N
32799301	Mineral wool insulation (fibrous glass, rock wool, etc.)	X	94 281	X	N
00970099	All other materials and components, parts, containers, and supplies	X	1 472 027	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	1 160 160	X	N

Table 1. Materials Consumed by Kind by Industry: 1997 and 1992—Con.

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	333511, INDUSTRIAL MOLD MFG				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	26 294	X	N
33200095	Other fabricated metal products (except forgings)	X	51 896	X	N
33210001	Forgings	X	9 884	X	N
33151001	Iron and steel castings (rough and semifinished)	X	52 290	X	N
33152011	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	X	24 534	X	N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	155 497	X	N
33120017	Steel sheet and strip, including tin plate	X	12 544	X	N
33120033	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	41 681	X	N
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	21 606	X	N
33100055	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	13 350	X	N
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	3 769	X	N
33149200	Tungsten carbide metal powders	X	777	X	N
331000AC	All other metal powders	X	311	X	N
00190023	Iron and steel scrap (excluding home scrap)	X	929	X	N
32799903	Industrial diamonds	X	1 955	X	N
001900B1	Electrical transmission, distribution, and control equipment	X	5 071	X	N
32791001	Grinding wheels and other abrasive products, except industrial diamonds	X	10 951	X	N
00190090	Fluid power products	X	8 258	X	N
32500023	Ceramic raw materials, including powders, chemicals, and fibers (excluding refractory uses)	X	1 302	X	N
32700035	Ceramic and ceramic composite parts, components, and accessories	X	988	X	N
00970099	All other materials and components, parts, containers, and supplies	X	217 336	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	282 769	X	N
	333512, MACHINE TOOL (METAL CUTTING TYPES) MFG				
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	X	43 237	X	33 161
33399501	Fluid power cylinders and rotary actuators (hydraulic and pneumatic)	X	8 955	X	15 341
33399901	Fluid power filters (hydraulic and pneumatic)	X	3 128	X	4 491
33291203	Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic)	X	8 896	X	11 274
33291207	Fluid power valves (hydraulic and pneumatic)	X	17 613	X	13 323
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	29 172	X	N
33200063	Other fabricated metal products (except fluid power products and forgings)	X	115 231	X	70 117
33210001	Forgings	X	15 390	X	N
33151001	Iron and steel castings (rough and semifinished)	X	178 001	X	117 864
33152011	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	X	8 700	X	N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	63 625	X	39 803
33120017	Steel sheet and strip, including tin plate	X	20 978	X	18 294
33120069	Steel structural shapes (except castings, forgings, and fabricated metal products)	X	8 843	X	10 411
33120091	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	30 467	X	6 183
331000AJ	Nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	10 824	X	N
33531209	Fractional horsepower electric timing motors, synchronous and subsynchronous (less than 1 hp)	X	26 860	X	20 817
33531217	Other fractional horsepower electric motors (under 1 hp)	X	20 412	X	12 687
33531221	Integral horsepower electric motors and generators (1 hp or more)	X	25 202	X	20 218
001900B1	Electrical transmission, distribution, and control equipment	X	85 123	X	42 439
33500007	Electrical industrial capacitors, resistors, rheostats, and coil windings	X	23 855	X	13 374
33531409	Numerical controls for metalworking machinery (except programmable)	X	74 810	X	46 562
33531411	Programmable controllers for metalworking machinery	X	79 542	X	68 147
33299105	Ball bearings (mounted or unmounted)	X	30 260	X	18 664
33299103	Roller bearings (mounted or unmounted)	X	8 298	X	7 484
33361200	Mechanical speed changers, gears, and industrial high-speed drives	X	33 236	X	40 588
32192001	Wood boxes, pallets, skids, and containers	X	6 440	X	5 918
33351503	Cutting tools for machine tools	X	89 178	X	23 043
00970099	All other materials and components, parts, containers, and supplies	X	689 424	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	504 834	X	N
	333513, MACHINE TOOL (METAL FORMING TYPES) MFG				
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	X	25 110	X	18 322
33399501	Fluid power cylinders and rotary actuators (hydraulic and pneumatic)	X	14 030	X	8 777
33399901	Fluid power filters (hydraulic and pneumatic)	X	2 920	X	2 180
33291203	Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic)	X	8 579	X	3 285
33291207	Fluid power valves (hydraulic and pneumatic)	X	13 634	X	8 981
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	14 402	X	11 486
33200063	Other fabricated metal products (except fluid power products and forgings)	X	44 638	X	25 907
33210001	Forgings	X	5 183	X	N
33151001	Iron and steel castings (rough and semifinished)	X	32 070	X	29 738
33152011	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	X	4 217	X	N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	69 502	X	76 423
33120017	Steel sheet and strip, including tin plate	X	10 332	X	7 883
33120069	Steel structural shapes (except castings, forgings, and fabricated metal products)	X	7 271	X	21 069
33120091	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	28 125	X	16 884
331000AJ	Nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	3 242	X	N
33531209	Fractional horsepower electric timing motors, synchronous and subsynchronous (less than 1 hp)	X	2 112	X	1 531
33531217	Other fractional horsepower electric motors (under 1 hp)	X	3 666	X	620
33531221	Integral horsepower electric motors and generators (1 hp or more)	X	15 071	X	15 547
001900B1	Electrical transmission, distribution, and control equipment	X	32 233	X	19 668
33500007	Electrical industrial capacitors, resistors, rheostats, and coil windings	X	6 694	X	4 230

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		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	333513, MACHINE TOOL (METAL FORMING TYPES) MFG—Con.				
33531409	Numerical controls for metalworking machinery (except programmable)	X	13 826	X	3 704
33531411	Programmable controllers for metalworking machinery	X	22 763	X	22 956
33299105	Ball bearings (mounted or unmounted)	X	9 014	X	4 878
33299103	Roller bearings (mounted or unmounted)	X	9 425	X	3 049
33361200	Mechanical speed changers, gears, and industrial high-speed drives	X	15 816	X	8 272
32192001	Wood boxes, pallets, skids, and containers	X	3 851	X	2 893
33351503	Cutting tools for machine tools	X	15 831	X	16 614
00970099	All other materials and components, parts, containers, and supplies	X	197 101	X	141 601
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	168 017	X	110 613
	333514, SPECIAL DIE & TOOL, DIE SET, JIG, & FIXTURE MFG				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	87 646	X	N
33200095	Other fabricated metal products (except forgings)	X	113 706	X	N
33210001	Forgings	X	10 461	X	N
33151001	Iron and steel castings (rough and semifinished)	X	96 376	X	N
33152011	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	X	30 869	X	N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	318 976	X	N
33120017	Steel sheet and strip, including tin plate	X	108 574	X	N
33120033	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	40 773	X	N
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	16 402	X	N
33100055	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	5 932	X	N
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	14 243	X	N
33149200	Tungsten carbide metal powders	X	28 988	X	N
331000AC	All other metal powders	X	2 572	X	N
00190023	Iron and steel scrap (excluding home scrap)	X	2 438	X	N
32799903	Industrial diamonds	X	8 892	X	N
001900B1	Electrical transmission, distribution, and control equipment	X	21 013	X	N
32791001	Grinding wheels and other abrasive products, except industrial diamonds	X	18 993	X	N
00190090	Fluid power products	X	46 859	X	N
32500023	Ceramic raw materials, including powders, chemicals, and fibers (excluding refractory uses)	X	1 889	X	N
32700035	Ceramic and ceramic composite parts, components, and accessories	X	2 032	X	N
00970099	All other materials and components, parts, containers, and supplies	X	336 805	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	364 569	X	N
	333515, CUTTING TOOL & MACHINE TOOL ACCESSORY MFG				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	37 492	X	N
33200095	Other fabricated metal products (except forgings)	X	56 759	X	N
33210001	Forgings	X	14 241	X	N
33151001	Iron and steel castings (rough and semifinished)	X	50 575	X	N
33152011	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	X	4 282	X	N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	283 838	X	N
33120017	Steel sheet and strip, including tin plate	X	9 136	X	N
33120033	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	25 244	X	N
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	4 723	X	N
33100055	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	6 922	X	N
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	7 697	X	N
33149200	Tungsten carbide metal powders	X	267 727	X	N
331000AC	All other metal powders	X	8 607	X	N
00190023	Iron and steel scrap (excluding home scrap)	X	2 360	X	N
32799903	Industrial diamonds	X	40 395	X	N
001900B1	Electrical transmission, distribution, and control equipment	X	19 222	X	N
32791001	Grinding wheels and other abrasive products, except industrial diamonds	X	56 965	X	N
00190090	Fluid power products	X	29 673	X	N
32500023	Ceramic raw materials, including powders, chemicals, and fibers (excluding refractory uses)	X	6 680	X	N
32700035	Ceramic and ceramic composite parts, components, and accessories	X	5 777	X	N
00970099	All other materials and components, parts, containers, and supplies	X	193 229	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	233 869	X	N
	333516, ROLLING MILL MACHINERY & EQUIPMENT MFG				
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	X	9 322	X	4 761
33399501	Fluid power cylinders and rotary actuators (hydraulic and pneumatic)	X	7 715	X	2 099
33399901	Fluid power filters (hydraulic and pneumatic)	X	1 735	X	258
33291203	Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic)	X	3 733	X	1 699
33291207	Fluid power valves (hydraulic and pneumatic)	X	3 471	X	679
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	4 345	X	2 138
33200063	Other fabricated metal products (except fluid power products and forgings)	X	20 411	X	9 636
33210001	Forgings	X	43 198	X	N
33151001	Iron and steel castings (rough and semifinished)	X	12 706	X	9 992
33152011	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	X	1 349	X	N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	23 947	X	16 912
33120017	Steel sheet and strip, including tin plate	X	1 716	X	1 482
33120069	Steel structural shapes (except castings, forgings, and fabricated metal products)	X	3 370	X	2 532
33120091	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	2 090	X	5 107
331000AJ	Nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	104	X	N
33531209	Fractional horsepower electric timing motors, synchronous and subsynchronous (less than 1 hp)	X	143	X	1 370
33531217	Other fractional horsepower electric motors (under 1 hp)	X	D	X	D

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	333516, ROLLING MILL MACHINERY & EQUIPMENT MFG—Con.				
33531221	Integral horsepower electric motors and generators (1 hp or more)	X	12 328	X	1 506
001900B1	Electrical transmission, distribution, and control equipment	X	11 868	X	3 664
33500007	Electrical industrial capacitors, resistors, rheostats, and coil windings	X	3 399	X	D
33531409	Numerical controls for metalworking machinery (except programmable)	X	D	X	D
33531411	Programmable controllers for metalworking machinery	X	5 129	X	2 614
33299105	Ball bearings (mounted or unmounted)	X	9 582	X	D
33299103	Roller bearings (mounted or unmounted)	X	5 694	X	2 483
33361200	Mechanical speed changers, gears, and industrial high-speed drives	X	16 252	X	D
32192001	Wood boxes, pallets, skids, and containers	X	1 076	X	308
33351503	Cutting tools for machine tools	X	2 273	X	2 707
00970099	All other materials and components, parts, containers, and supplies	X	65 487	X	43 300
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	23 481	X	25 897
	333518, OTHER METALWORKING MACHINERY MFG				
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	X	25 918	X	9 918
33399501	Fluid power cylinders and rotary actuators (hydraulic and pneumatic)	X	14 140	X	6 432
33399901	Fluid power filters (hydraulic and pneumatic)	X	1 819	X	1 107
33291203	Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic)	X	5 471	X	3 217
33291207	Fluid power valves (hydraulic and pneumatic)	X	14 767	X	4 979
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	11 639	X	7 448
33200063	Other fabricated metal products (except fluid power products and forgings)	X	35 917	X	18 115
33210001	Forgings	X	2 276	X	N
33151001	Iron and steel castings (rough and semifinished)	X	41 070	X	8 647
33152011	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	X	3 757	X	N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	30 806	X	23 351
33120017	Steel sheet and strip, including tin plate	X	15 001	X	5 042
33120069	Steel structural shapes (except castings, forgings, and fabricated metal products)	X	7 508	X	4 212
33120091	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	6 222	X	3 970
331000AJ	Nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	3 046	X	N
33531209	Fractional horsepower electric timing motors, synchronous and subsynchronous (less than 1 hp)	X	15 133	X	2 120
33531217	Other fractional horsepower electric motors (under 1 hp)	X	2 737	X	2 533
33531221	Integral horsepower electric motors and generators (1 hp or more)	X	20 268	X	12 340
001900B1	Electrical transmission, distribution, and control equipment	X	85 359	X	40 427
33500007	Electrical industrial capacitors, resistors, rheostats, and coil windings	X	7 026	X	3 029
33531409	Numerical controls for metalworking machinery (except programmable)	X	4 069	X	1 346
33531411	Programmable controllers for metalworking machinery	X	23 346	X	12 050
33299105	Ball bearings (mounted or unmounted)	X	12 310	X	4 324
33299103	Roller bearings (mounted or unmounted)	X	6 853	X	3 372
33361200	Mechanical speed changers, gears, and industrial high-speed drives	X	14 465	X	8 351
32192001	Wood boxes, pallets, skids, and containers	X	4 255	X	1 601
33351503	Cutting tools for machine tools	X	10 251	X	2 732
00970099	All other materials and components, parts, containers, and supplies	X	398 657	X	150 700
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	487 226	X	165 960
	333611, TURBINE & TURBINE GENERATOR SET UNIT MFG				
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	X	D	X	D
33399501	Fluid power cylinders and rotary actuators (hydraulic and pneumatic)	X	D	X	2 278
33399901	Fluid power filters (hydraulic and pneumatic)	X	D	X	D
33291203	Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic)	X	D	X	D
33291207	Fluid power valves (hydraulic and pneumatic)	X	28 254	X	30 712
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	49 428	X	41 921
332000AC	Metal stampings	X	D	X	D
332000A1	Metal tanks, heat exchangers, steam condensers, and other boiler products, fabricated steel plate, and weldments	X	28 802	X	D
33200099	Fabricated structural metal products (except forgings)	X	D	X	D
33200079	All other fabricated metal products (except forgings)	X	182 209	X	161 166
33211101	Iron and steel forgings	X	406 288	X	D
33211201	Nonferrous forgings	X	D	X	D
33151001	Iron and steel castings (rough and semifinished)	X	386 958	X	330 634
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	3 025	X	1 729
33152003	Other nonferrous castings (rough and semifinished)	X	669	X	D
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	85 557	X	70 928
33120017	Steel sheet and strip, including tin plate	X	26 263	X	24 716
33120033	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	37 986	X	19 363
331000AJ	Nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	34 015
33631100	Pistons, piston rings, carburetors, valves (intake and exhaust only)	X	—	X	D
33632200	Engine electrical equipment, including spark plugs, magnetos, generators, starters, etc.	X	D	X	D
33531221	Integral horsepower electric motors and generators (1 hp or more)	X	D	X	D
33299105	Ball bearings (mounted or unmounted)	X	D	X	4 507
33299103	Roller bearings (mounted or unmounted)	X	D	X	D
33361301	Plain bearings and bushings	X	32 794	X	12 552
33361200	Mechanical speed changers, gears, and industrial high-speed drives	X	D	X	30 130
33361101	Turbines purchased for incorporation into turbine generator sets	X	12 654	X	D
33361103	Generators purchased for incorporation into turbine generator sets	X	D	X	10 393
33999101	Gaskets (all types) and asbestos packing	X	D	X	3 302
32610011	Fabricated plastics products (except gaskets)	X	D	X	1 734
32622001	Rubber and plastics hose and belting	X	D	X	594
33351503	Cutting tools for machine tools	X	14 245	X	8 557
00970099	All other materials and components, parts, containers, and supplies	X	516 697	X	437 891
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	71 851	X	59 846

Table 1. Materials Consumed by Kind by Industry: 1997 and 1992—Con.

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	333612, SPEED CHANGER, INDUSTRIAL HIGH-SPEED DRIVE, & GEAR MFG				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	19 970	X	17 146
33200095	Other fabricated metal products (except forgings)	X	37 765	X	18 257
33211103	Cold iron and steel forgings	X	23 960	X	16 280
33211111	Other iron and steel forgings	X	65 620	X	31 872
33211201	Nonferrous forgings	X	6 149	X	2 583
33151001	Iron and steel castings (rough and semifinished)	X	80 934	X	59 964
33152011	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	X	24 076	X	12 416
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	88 629	X	46 470
33120017	Steel sheet and strip, including tin plate	X	—	X	842
33120033	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	40 740	X	3 632
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	12 314	X	5 494
33100075	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	6 252	X	4 294
00190060	Scrap, including iron, steel, aluminum and aluminum-base alloy (excluding home scrap)	X	3 487	X	N
33299105	Ball bearings (mounted or unmounted)	X	21 528	X	16 159
33299103	Roller bearings (mounted or unmounted)	X	41 914	X	22 933
33299107	Balls, rollers, cages, collars, races, and other antifriction bearing components and parts	X	6 021	X	1 434
33361305	Clutches, couplings, shafts, sprockets, and other mechanical power transmission equipment	X	77 653	X	44 620
33531207	Electric motors, generators, and parts	X	87 441	X	47 448
32221001	Paperboard containers, boxes, and corrugated paperboard	X	6 419	X	3 984
32791001	Grinding wheels and other abrasive products, except industrial diamonds	X	2 858	X	N
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	X	12 423	X	N
33510000	Special dies, tools, die sets, jigs, and fixtures, except cutting tools for machine tools	X	7 685	X	N
00970099	All other materials and components, parts, containers, and supplies	X	63 019	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	58 059	X	77 834
	333613, MECHANICAL POWER TRANSMISSION EQUIPMENT MFG				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	27 506	X	28 177
33200095	Other fabricated metal products (except forgings)	X	48 527	X	33 903
33211103	Cold iron and steel forgings	X	31 136	X	15 789
33211111	Other iron and steel forgings	X	16 520	X	13 891
33211201	Nonferrous forgings	X	420	X	158
33151001	Iron and steel castings (rough and semifinished)	X	131 235	X	60 398
33152011	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	X	21 052	X	23 482
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	160 897	X	109 548
33120017	Steel sheet and strip, including tin plate	X	79 322	X	43 696
33120033	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	35 125	X	22 664
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	23 305	X	8 911
33100075	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	9 277	X	9 341
00190060	Scrap, including iron, steel, aluminum and aluminum-base alloy (excluding home scrap)	X	9 007	X	D
33299105	Ball bearings (mounted or unmounted)	X	25 074	X	10 380
33299103	Roller bearings (mounted or unmounted)	X	17 562	X	5 524
33299107	Balls, rollers, cages, collars, races, and other antifriction bearing components and parts	X	26 175	X	D
33361305	Clutches, couplings, shafts, sprockets, and other mechanical power transmission equipment	X	153 318	X	15 763
33531207	Electric motors, generators, and parts	X	9 798	X	12 356
32221001	Paperboard containers, boxes, and corrugated paperboard	X	11 559	X	6 934
32791001	Grinding wheels and other abrasive products, except industrial diamonds	X	D	X	N
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	X	16 800	X	N
33361809	Engines (diesel, semidiesel, gasoline, and other carburetor)	X	D	X	N
33510000	Special dies, tools, die sets, jigs, and fixtures, except cutting tools for machine tools	X	16 673	X	N
00970099	All other materials and components, parts, containers, and supplies	X	137 650	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	84 219	X	144 610
	333618, OTHER ENGINE EQUIPMENT MFG				
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	X	474 655	X	N
33399501	Fluid power cylinders and rotary actuators (hydraulic and pneumatic)	X	50 545	X	N
33399901	Fluid power filters (hydraulic and pneumatic)	X	55 747	X	N
33291203	Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic)	X	40 671	X	N
33291207	Fluid power valves (hydraulic and pneumatic)	X	18 535	X	N
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	201 601	X	N
332000AC	Metal stampings	X	154 453	X	N
332000A1	Metal tanks, heat exchangers, steam condensers, and other boiler products, fabricated steel plate, and weldments	X	161 268	X	N
33200099	Fabricated structural metal products (except forgings)	X	D	X	N
33200079	All other fabricated metal products (except forgings)	X	592 825	X	N
33211101	Iron and steel forgings	X	558 185	X	N
33211201	Nonferrous forgings	X	D	X	N
33151001	Iron and steel castings (rough and semifinished)	X	1 574 339	X	N
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	747 609	X	N
33152003	Other nonferrous castings (rough and semifinished)	X	112 695	X	N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	76 962	X	N
33120017	Steel sheet and strip, including tin plate	X	50 462	X	N
33120033	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	83 419	X	N

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	333618, OTHER ENGINE EQUIPMENT MFG—Con.				
331000AJ	Nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	17 340	X	N
33631100	Pistons, piston rings, carburetors, valves (intake and exhaust only)	X	779 546	X	N
33632200	Engine electrical equipment, including spark plugs, magnetos, generators, starters, etc.	X	628 838	X	N
33531221	Integral horsepower electric motors and generators (1 hp or more)	X	D	X	N
33299105	Ball bearings (mounted or unmounted)	X	18 127	X	N
33299103	Roller bearings (mounted or unmounted)	X	23 206	X	N
33361301	Plain bearings and bushings	X	68 181	X	N
33361200	Mechanical speed changers, gears, and industrial high-speed drives	X	262 801	X	N
33361101	Turbines purchased for incorporation into turbine generator sets	X	—	N	N
33361103	Generators purchased for incorporation into turbine generator sets	X	D	X	N
33999101	Gaskets (all types) and asbestos packing	X	112 627	X	N
32610011	Fabricated plastics products (except gaskets)	X	62 195	X	N
32622001	Rubber and plastics hose and belting	X	54 819	X	N
33351503	Cutting tools for machine tools	X	59 843	X	N
00970099	All other materials and components, parts, containers, and supplies	X	2 276 614	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	551 460	X	N
	333911, PUMP & PUMPING EQUIPMENT MFG				
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	X	145 361	X	N
33291211	Fluid power valves and hose and tube fittings and assemblies	X	29 210	X	N
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	58 304	X	N
33291901	Metal pipe, valves, and pipe fittings (except forgings)	X	75 840	X	N
33200099	Fabricated structural metal products (except forgings)	X	126 327	X	N
33200051	Other fabricated metal products (except fluid power products and forgings)	X	55 326	X	N
33211101	Iron and steel forgings	X	39 186	X	28 628
33211201	Nonferrous forgings	X	9 369	X	5 722
33151001	Iron and steel castings (rough and semifinished)	X	380 128	X	N
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	66 792	X	39 396
33152003	Other nonferrous castings (rough and semifinished)	X	115 989	X	70 849
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	168 062	X	N
33120017	Steel sheet and strip, including tin plate	X	9 323	X	N
33120033	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	17 994	X	10 357
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	34 772	X	4 364
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	26 177	X	N
33361809	Engines (diesel, semidiesel, gasoline, and other carburetor)	X	41 084	X	56 701
33531211	Fractional horsepower electric motors (less than 1 hp)	X	248 326	X	175 952
33531221	Integral horsepower electric motors and generators (1 hp or more)	X	192 385	X	169 278
33299101	Ball and roller bearings (mounted or unmounted)	X	38 173	X	19 928
32221001	Paperboard containers, boxes, and corrugated paperboard	X	26 744	X	19 508
32600011	Fabricated rubber products, except gaskets	X	26 582	X	23 048
32610011	Fabricated plastics products (except gaskets)	X	79 824	X	46 688
33999103	Gaskets (all types), and packing and sealing devices	X	57 502	X	33 383
001900B1	Electrical transmission, distribution, and control equipment	X	106 531	X	55 051
32551003	Paints, varnishes, stains, lacquers, shellacs, japans, enamels, and allied products	X	27 003	X	4 909
00190087	Other fluid power products (hydraulic and pneumatic)	X	62 684	X	N
00970099	All other materials and components, parts, containers, and supplies	X	328 131	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	295 837	X	N
	333912, AIR & GAS COMPRESSOR MFG				
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	X	50 727	X	N
33291211	Fluid power valves and hose and tube fittings and assemblies	X	29 493	X	N
00190087	Other fluid power products (hydraulic and pneumatic)	X	19 630	X	N
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	54 399	X	39 448
33200051	Other fabricated metal products (except fluid power products and forgings)	X	87 341	X	N
33291901	Metal pipe, valves, and pipe fittings (except forgings)	X	53 812	X	N
33200099	Fabricated structural metal products (except forgings)	X	159 426	X	N
33211101	Iron and steel forgings	X	32 285	X	42 270
33211201	Nonferrous forgings	X	D	X	1 149
33151001	Iron and steel castings (rough and semifinished)	X	188 855	X	130 175
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	45 762	X	28 123
33152003	Other nonferrous castings (rough and semifinished)	X	D	X	5 019
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	53 128	X	49 298
33120017	Steel sheet and strip, including tin plate	X	38 299	X	29 404
33120033	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	16 981	X	10 898
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	7 393	X	N
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	6 915	X	3 830
33361809	Engines (diesel, semidiesel, gasoline, and other carburetor)	X	67 588	X	92 631
33531217	Other fractional horsepower electric motors (under 1 hp)	X	45 855	X	52 918
33531221	Integral horsepower electric motors and generators (1 hp or more)	X	204 082	X	83 186
33299101	Ball and roller bearings (mounted or unmounted)	X	30 096	X	19 546
32221001	Paperboard containers, boxes, and corrugated paperboard	X	29 282	X	14 157
32600011	Fabricated rubber products, except gaskets	X	17 165	X	6 451
32610011	Fabricated plastics products (except gaskets)	X	45 325	X	27 761
33999103	Gaskets (all types), and packing and sealing devices	X	30 119	X	28 563
001900B1	Electrical transmission, distribution, and control equipment	X	87 487	X	68 183
32551003	Paints, varnishes, stains, lacquers, shellacs, japans, enamels, and allied products	X	10 015	X	7 212
00970099	All other materials and components, parts, containers, and supplies	X	514 633	X	366 028
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	385 669	X	244 669

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		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	333913, MEASURING & DISPENSING PUMP MFG				
00190087	Other fluid power products (hydraulic and pneumatic)	X	D	X	N
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	X	D	X	N
33291211	Fluid power valves and hose and tube fittings and assemblies	X	10 899	X	N
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	16 477	X	16 604
33200051	Other fabricated metal products (except fluid power products and forgings)	X	D	X	N
33291901	Metal pipe, valves, and pipe fittings (except forgings)	X	5 398	X	N
33200099	Fabricated structural metal products (except forgings)	X	11 090	X	N
33211101	Iron and steel forgings	X	489	X	N
33211201	Nonferrous forgings	X	D	X	N
33151001	Iron and steel castings (rough and semifinished)	X	24 701	X	9 979
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	40 194	X	16 596
33152003	Other nonferrous castings (rough and semifinished)	X	1 308	X	3 413
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	8 826	X	N
33120017	Steel sheet and strip, including tin plate	X	24 057	X	16 680
33120033	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	1 789	X	N
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	666	X	N
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	5 849	X	4 916
33361809	Engines (diesel, semidiesel, gasoline, and other carburetor)	X	D	X	N
33531217	Other fractional horsepower electric motors (under 1 hp)	X	28 369	X	13 099
33531221	Integral horsepower electric motors and generators (1 hp or more)	X	5 912	X	2 481
33299101	Ball and roller bearings (mounted or unmounted)	X	5 729	X	2 091
32221001	Paperboard containers, boxes, and corrugated paperboard	X	9 482	X	5 147
32600011	Fabricated rubber products, except gaskets	X	6 584	X	5 828
32610011	Fabricated plastics products (except gaskets)	X	26 238	X	31 812
33999103	Gaskets (all types), and packing and sealing devices	X	7 612	X	7 479
001900B1	Electrical transmission, distribution, and control equipment	X	24 655	X	8 506
32551003	Paints, varnishes, stains, lacquers, shellacs, japans, enamels, and allied products	X	2 121	X	1 369
00970099	All other materials and components, parts, containers, and supplies	X	70 690	X	104 820
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	41 204	X	30 925
	333921, ELEVATOR & MOVING STAIRWAY MFG				
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	X	29 275	X	17 819
33399501	Fluid power cylinders and rotary actuators (hydraulic and pneumatic)	X	29 528	X	18 625
33399901	Fluid power filters (hydraulic and pneumatic)	X	D	X	N
33291203	Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic)	X	7 533	X	4 989
33291207	Fluid power valves (hydraulic and pneumatic)	X	10 321	X	7 955
33200057	Fabricated metal products, except forgings	X	44 111	X	31 159
33211101	Iron and steel forgings	X	16 140	X	1 912
33211201	Nonferrous forgings	X	840	X	N
33151001	Iron and steel castings (rough and semifinished)	X	24 362	X	10 441
33152011	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	X	4 685	X	3 694
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	88 460	X	57 641
33120017	Steel sheet and strip, including tin plate	X	111 437	X	71 738
33120019	Steel structural shapes and sheet piling (except castings, forgings, and fabricated metal products)	X	24 673	X	22 424
33120091	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	50 039	X	27 591
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	7 679	X	5 435
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	22 645	X	12 203
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	3 251	X	2 512
33361805	Gasoline and other carburetor engines	X	D	X	N
33531205	Fractional horsepower electric motors (less than 1 hp) (excluding timing motors)	X	8 040	X	5 013
33531221	Integral horsepower electric motors and generators (1 hp or more)	X	11 709	X	7 836
001900B1	Electrical transmission, distribution, and control equipment	X	90 169	X	53 919
33591101	Storage batteries	X	470	X	495
33299105	Ball bearings (mounted or unmounted)	X	8 761	X	4 926
33299103	Roller bearings (mounted or unmounted)	X	4 728	X	3 991
33361200	Mechanical speed changers, gears, and industrial high-speed drives	X	10 766	X	4 599
32621003	Pneumatic tires and inner tubes	X	6	X	N
32622001	Rubber and plastics hose and belting	X	9 559	X	4 052
00970099	All other materials and components, parts, containers, and supplies	X	91 861	X	86 999
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	85 154	X	50 317
	333922, CONVEYOR & CONVEYING EQUIPMENT MFG				
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	X	27 126	X	N
33399501	Fluid power cylinders and rotary actuators (hydraulic and pneumatic)	X	29 339	X	N
33399901	Fluid power filters (hydraulic and pneumatic)	X	5 235	X	N
33291203	Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic)	X	9 766	X	N
33291207	Fluid power valves (hydraulic and pneumatic)	X	23 594	X	N
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	5 423	X	N
33211101	Iron and steel forgings	X	33 385	X	N
33211201	Nonferrous forgings	X	1 220	X	N
33151001	Iron and steel castings (rough and semifinished)	X	74 892	X	N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	234 275	X	N
33120017	Steel sheet and strip, including tin plate	X	217 295	X	N
33120019	Steel structural shapes and sheet piling (except castings, forgings, and fabricated metal products)	X	85 298	X	N
33120091	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	67 394	X	N
33361805	Gasoline and other carburetor engines	X	540	X	N
33531201	Electric motors and generators	X	103 361	X	N
33299105	Ball bearings (mounted or unmounted)	X	71 998	X	N

Table 1. Materials Consumed by Kind by Industry: 1997 and 1992—Con.

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	333922, CONVEYOR & CONVEYING EQUIPMENT MFG—Con.				
33299103	Roller bearings (mounted or unmounted)	X	55 875	X	N
33361200	Mechanical speed changers, gears, and industrial high-speed drives	X	81 612	X	N
32622001	Rubber and plastics hose and belting	X	68 320	X	N
33200057	Fabricated metal products, except forgings	X	210 570	X	128 714
33152011	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	X	10 603	X	5 405
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	1 189	X	400
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	35 432	X	12 665
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	9 289	X	5 370
001900B1	Electrical transmission, distribution, and control equipment	X	111 525	X	56 044
32621003	Pneumatic tires and inner tubes	X	7 687	X	3 111
00970099	All other materials and components, parts, containers, and supplies	X	386 979	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	397 796	X	N
	333923, OVERHEAD TRAVELING CRANE, HOIST, & MONORAIL SYSTEM MFG				
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	X	146 852	X	N
33399501	Fluid power cylinders and rotary actuators (hydraulic and pneumatic)	X	84 225	X	N
33291203	Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic)	X	23 394	X	N
33291207	Fluid power valves (hydraulic and pneumatic)	X	32 674	X	N
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	17 522	X	N
33200099	Fabricated structural metal products (except forgings)	X	133 260	X	N
33290009	Fabricated metal wire products (including wire rope, cable, springs, etc.)	X	98 472	X	N
33200065	All other fabricated metal products (except forgings)	X	55 014	X	N
332000AC	Metal stampings	X	19 115	X	N
33210001	Forgings	X	18 574	X	N
33151001	Iron and steel castings (rough and semifinished)	X	54 756	X	N
33152011	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	X	8 817	X	N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	D	X	N
33120017	Steel sheet and strip, including tin plate	X	62 089	X	N
33120019	Steel structural shapes and sheet piling (except castings, forgings, and fabricated metal products)	X	22 692	X	N
33120091	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	25 047	X	N
331000AJ	Nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	16 678	X	N
33361809	Engines (diesel, semidiesel, gasoline, and other carburetor)	X	D	X	N
33531201	Electric motors and generators	X	55 376	X	N
33361200	Mechanical speed changers, gears, and industrial high-speed drives	X	68 854	X	N
32621001	Tires and inner tubes	X	D	X	N
32622001	Rubber and plastics hose and belting	X	2 347	X	N
32610007	Fabricated plastics products (except gaskets, hoses, and belting)	X	3 035	X	N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	11 139	X	N
001900B1	Electrical transmission, distribution, and control equipment	X	50 952	X	N
33399901	Fluid power filters (hydraulic and pneumatic)	X	3 031	X	145
33299101	Ball and roller bearings (mounted or unmounted)	X	25 177	X	6 097
00970099	All other materials and components, parts, containers, and supplies	X	194 067	X	59 140
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	171 675	X	N
	333924, INDUSTRIAL TRUCK, TRACTOR, TRAILER, & STACKER MACHINERY MFG				
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	X	160 655	X	N
33399501	Fluid power cylinders and rotary actuators (hydraulic and pneumatic)	X	147 825	X	N
33399901	Fluid power filters (hydraulic and pneumatic)	X	5 594	X	N
33291203	Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic)	X	43 186	X	N
33291207	Fluid power valves (hydraulic and pneumatic)	X	58 882	X	N
33200057	Fabricated metal products, except forgings	X	213 575	X	N
33211101	Iron and steel forgings	X	60 415	X	N
33211201	Nonferrous forgings	X	3 509	X	N
33151001	Iron and steel castings (rough and semifinished)	X	145 932	X	N
33152011	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	X	37 620	X	N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	350 314	X	N
33120017	Steel sheet and strip, including tin plate	X	151 550	X	N
33120019	Steel structural shapes and sheet piling (except castings, forgings, and fabricated metal products)	X	72 374	X	N
33120091	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	103 571	X	N
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	4 680	X	N
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	27 688	X	N
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	4 407	X	N
33361805	Gasoline and other carburetor engines	X	183 669	X	N
33531205	Fractional horsepower electric motors (less than 1 hp) (excluding timing motors)	X	22 770	X	N
33531221	Integral horsepower electric motors and generators (1 hp or more)	X	62 347	X	N
001900B1	Electrical transmission, distribution, and control equipment	X	201 074	X	N
33591101	Storage batteries	X	9 804	X	N
33299105	Ball bearings (mounted or unmounted)	X	22 350	X	N
33299103	Roller bearings (mounted or unmounted)	X	51 747	X	N
33361200	Mechanical speed changers, gears, and industrial high-speed drives	X	200 107	X	N
32621003	Pneumatic tires and inner tubes	X	36 377	X	N
32622001	Rubber and plastics hose and belting	X	38 102	X	N
00970099	All other materials and components, parts, containers, and supplies	X	467 208	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	264 881	X	N

Table 1. Materials Consumed by Kind by Industry: 1997 and 1992—Con.

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
333991, POWER-DRIVEN HANDTOOL MFG					
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	88 854	X	37 739
33200063	Other fabricated metal products (except fluid power products and forgings)	X	167 738	X	120 936
33210001	Forgings	X	2 547	X	1 769
33151001	Iron and steel castings (rough and semifinished)	X	52 980	X	29 163
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	61 476	X	68 876
33152003	Other nonferrous castings (rough and semifinished)	X	11 663	X	7 397
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	70 689	X	51 057
33120085	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	25 686	X	12 828
331000AJ	Nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	2 343	X	5 266
331000A3	Insulated copper wire and cable, except magnet wire	X	19 104	X	14 734
33100097	Magnet wire	X	49 338	X	20 593
33531201	Electric motors and generators	X	48 541	X	29 008
33591101	Storage batteries	X	119 488	X	43 922
33299101	Ball and roller bearings (mounted or unmounted)	X	50 042	X	45 978
33361200	Mechanical speed changers, gears, and industrial high-speed drives	X	50 836	X	18 919
32610011	Fabricated plastics products (except gaskets)	X	114 143	X	86 580
32221001	Paperboard containers, boxes, and corrugated paperboard	X	43 284	X	29 514
001900A1	Packaging paper and plastics film, coated and laminated	X	15 024	X	4 016
00970099	All other materials and components, parts, containers, and supplies	X	289 528	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	84 750	X	122 929
333992, WELDING & SOLDERING EQUIPMENT MFG					
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	55 584	X	N
33200095	Other fabricated metal products (except forgings)	X	108 491	X	N
33210001	Forgings	X	15 842	X	N
33151001	Iron and steel castings (rough and semifinished)	X	80 460	X	N
33152500	Copper and copper-base alloy castings (rough and semifinished)	X	38 589	X	N
33152013	Other nonferrous castings (rough and semifinished)	X	8 564	X	N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	49 329	X	N
33120017	Steel sheet and strip, including tin plate	X	112 819	X	N
33120025	Steel wire and wire products	X	257 940	X	N
33120015	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	102 657	X	N
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	118 568	X	N
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	54 593	X	N
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	21 077	X	N
331000A3	Insulated copper wire and cable, except magnet wire	X	29 839	X	N
33531209	Fractional horsepower electric timing motors, synchronous and subsynchronous (less than 1 hp)	X	18 765	X	N
33531223	Fractional horsepower electric motors (less than 1 hp), except timing motors	X	5 307	X	N
33531221	Integral horsepower electric motors and generators (1 hp or more)	X	84 826	X	N
001900B1	Electrical transmission, distribution, and control equipment	X	118 926	X	N
33500007	Electrical industrial capacitors, resistors, rheostats, and coil windings	X	81 929	X	N
33451300	Pressure gauges	X	25 684	X	N
33299105	Ball bearings (mounted or unmounted)	X	8 486	X	N
33299103	Roller bearings (mounted or unmounted)	X	3 110	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	58 889	X	N
33399093	Industrial robots purchased for fabrication with welding equipment	X	35 403	X	N
00970099	All other materials and components, parts, containers, and supplies	X	387 920	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	252 480	X	N
333993, PACKAGING MACHINERY MFG					
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	X	28 573	X	8 024
00190086	Other fluid power products (hydraulic and pneumatic), except pumps, motors, and hydrostatic transmissions	X	75 276	X	22 492
33361200	Mechanical speed changers, gears, and industrial high-speed drives	X	56 715	X	22 846
33299101	Ball and roller bearings (mounted or unmounted)	X	46 321	X	17 048
33361303	Other mechanical power transmission equipment	X	31 708	X	25 450
33200005	Fabricated metal products, including forgings	X	297 167	X	N
33151001	Iron and steel castings (rough and semifinished)	X	31 675	X	20 668
33152011	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	X	19 413	X	N
33120031	Stainless steel shapes and forms (except castings, forgings, and fabricated metal products)	X	55 714	X	29 367
33120023	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	42 141	X	28 458
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	54 082	X	N
33531407	Relays and industrial controls for drives, clutches, brakes, motors, etc., including programmable controllers	X	182 261	X	56 142
33530000	Transformers (except electronic-type) and other electric power transmission and distribution equipment	X	30 393	X	12 842
33531201	Electric motors and generators	X	84 577	X	N
33399309	Purchased packaging machinery devices for incorporation into complete finished product	X	198 813	X	N
00190096	Other purchased devices for incorporation into complete finished product, except packaging machinery devices	X	30 400	X	N
00970099	All other materials and components, parts, containers, and supplies	X	384 859	X	9 852
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	128 913	X	275 012
333994, INDUSTRIAL PROCESS FURNACE & OVEN MFG					
00190090	Fluid power products	X	102 779	X	21 573
33200005	Fabricated metal products, including forgings	X	141 752	X	N
33151001	Iron and steel castings (rough and semifinished)	X	14 134	X	4 342
33152011	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	X	17 548	X	3 439
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	47 977	X	18 073
33120017	Steel sheet and strip, including tin plate	X	56 865	X	24 731

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	333994, INDUSTRIAL PROCESS FURNACE & OVEN MFG—Con.				
33120033	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	28 887	X	N
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	28 768	X	N
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	10 084	X	N
001900B1	Electrical transmission, distribution, and control equipment	X	151 769	X	67 256
33399400	Electric heating elements for industrial furnaces, ovens, and kilns	X	38 858	X	18 505
00970099	All other materials and components, parts, containers, and supplies	X	385 641	X	241 046
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	155 258	X	150 920
	333995, FLUID POWER CYLINDER & ACTUATOR MFG				
33399603	Fluid power pumps purchased for incorporation into products of this establishment	X	91 418	X	15 745
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	89 083	X	N
33291901	Metal pipe, valves, and pipe fittings (except forgings)	X	19 252	X	9 450
33200075	Other fabricated metal products (except forgings)	X	157 031	X	37 350
33210001	Forgings	X	42 869	X	3 002
33151001	Iron and steel castings (rough and semifinished)	X	83 654	X	N
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	14 376	X	N
33152003	Other nonferrous castings (rough and semifinished)	X	17 322	X	N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	186 331	X	N
33120017	Steel sheet and strip, including tin plate	X	5 212	X	N
33121000	Steel tubing	X	114 279	X	45 440
33120061	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	37 378	X	44 602
33131600	Aluminum and aluminum-base alloy extruded shapes, including extruded rod, bar, pipe, tube, etc.	X	25 525	X	11 533
33100047	Other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	18 653	X	10 727
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	6 932	X	3 174
331000AA	Metal powders	X	D	X	343
32410005	Lubricating and cutting oils	X	6 558	X	3 029
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	4 039	X	N
33531201	Electric motors and generators	X	19 953	X	3 984
33299105	Ball bearings (mounted or unmounted)	X	3 069	X	4 441
33299103	Roller bearings (mounted or unmounted)	X	D	X	4 082
33361301	Plain bearings and bushings	X	9 745	X	2 215
33361200	Mechanical speed changers, gears, and industrial high-speed drives	X	6 253	X	2 222
33999103	Gaskets (all types), and packing and sealing devices	X	20 281	X	12 301
33351503	Cutting tools for machine tools	X	27 308	X	N
00970099	All other materials and components, parts, containers, and supplies	X	127 829	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	62 093	X	N
	333996, FLUID POWER PUMP & MOTOR MFG				
33399603	Fluid power pumps purchased for incorporation into products of this establishment	X	76 252	X	16 587
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	76 790	X	N
33291901	Metal pipe, valves, and pipe fittings (except forgings)	X	19 794	X	6 323
33200075	Other fabricated metal products (except forgings)	X	71 034	X	43 891
33210001	Forgings	X	10 707	X	7 743
33151001	Iron and steel castings (rough and semifinished)	X	104 552	X	N
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	25 666	X	N
33152003	Other nonferrous castings (rough and semifinished)	X	D	X	N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	28 812	X	N
33120017	Steel sheet and strip, including tin plate	X	628	X	N
33121000	Steel tubing	X	7 294	X	N
33120061	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	67 790	X	8 164
33131600	Aluminum and aluminum-base alloy extruded shapes, including extruded rod, bar, pipe, tube, etc.	X	4 959	X	1 221
33100047	Other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	3 389
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	13 370	X	7 239
331000AA	Metal powders	X	12 248	X	8 430
32410005	Lubricating and cutting oils	X	7 769	X	4 653
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	2 717	X	N
33531201	Electric motors and generators	X	45 855	X	25 134
33299105	Ball bearings (mounted or unmounted)	X	8 997	X	5 329
33299103	Roller bearings (mounted or unmounted)	X	20 597	X	12 979
33361301	Plain bearings and bushings	X	19 227	X	3 441
33361200	Mechanical speed changers, gears, and industrial high-speed drives	X	11 411	X	12 221
33999103	Gaskets (all types), and packing and sealing devices	X	11 003	X	8 344
33351503	Cutting tools for machine tools	X	24 601	X	N
00970099	All other materials and components, parts, containers, and supplies	X	153 546	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	157 997	X	N
	333997, SCALE & BALANCE (EXCEPT LABORATORY) MFG				
332000A9	Sheet metal products, except stampings	X	13 149	X	12 936
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	5 156	X	6 113
33200087	All other fabricated metal products (except forgings)	X	D	X	13 348
33210001	Forgings	X	D	X	121
33151001	Iron and steel castings (rough and semifinished)	X	5 238	X	7 608
33152011	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	X	1 937	X	3 867
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	24 917	X	13 405

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	333997, SCALE & BALANCE (EXCEPT LABORATORY) MFG—Con.				
33120019	Steel structural shapes and sheet piling (except castings, forgings, and fabricated metal products)	X	8 291	X	4 386
33120089	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	10 621	X	N
331000AJ	Nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	2 146	X	N
33441300	Semiconductors, including transistors, diodes, rectifiers, and integrated circuits for electronic circuitry	X	20 727	X	26 162
001900B6	Resistors, capacitors, transformers, transducers, and other electronic-type components	X	46 701	X	29 690
33593103	Appliance outlets, switches, lampholders, and other current-carrying wiring devices	X	6 578	X	5 601
001900B1	Electrical transmission, distribution, and control equipment	X	4 226	X	9 960
32221001	Paperboard containers, boxes, and corrugated paperboard	X	3 962	X	4 811
32610011	Fabricated plastics products (except gaskets)	X	6 258	X	3 774
00970099	All other materials and components, parts, containers, and supplies	X	93 825	X	95 694
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	19 191	X	17 835
	333999, ALL OTHER MISCELLANEOUS GENERAL-PURPOSE MACHINERY MFG				
33531201	Electric motors and generators	X	68 488	X	N
001900B1	Electrical transmission, distribution, and control equipment	X	71 977	X	40 940
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	X	76 094	X	21 730
33399501	Fluid power cylinders and rotary actuators (hydraulic and pneumatic)	X	44 002	X	12 151
33399901	Fluid power filters (hydraulic and pneumatic)	X	80 233	X	49 892
33291207	Fluid power valves (hydraulic and pneumatic)	X	24 590	X	12 753
33291203	Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic)	X	35 184	X	9 150
00190089	Other fluid power products (hydraulic and pneumatic)	X	39 615	X	5 124
33361200	Mechanical speed changers, gears, and industrial high-speed drives	X	51 846	X	15 808
33299101	Ball and roller bearings (mounted or unmounted)	X	26 167	X	12 765
33391101	Other pumps and pump parts, except fluid power (complete assemblies)	X	50 619	X	18 978
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	98 744	X	N
332000A1	Metal tanks, heat exchangers, steam condensers, and other boiler products, fabricated steel plate, and weldments	X	66 496	X	27 542
33291901	Metal pipe, valves, and pipe fittings (except forgings)	X	70 795	X	31 101
33200051	Other fabricated metal products (except fluid power products and forgings)	X	142 812	X	125 794
33210001	Forgings	X	19 225	X	N
33151001	Iron and steel castings (rough and semifinished)	X	150 053	X	N
33152011	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	X	62 892	X	N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	131 054	X	N
33120017	Steel sheet and strip, including tin plate	X	75 751	X	N
33120033	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	58 253	X	N
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	42 153	X	N
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	89 145	X	21 521
32212031	Filter paper	X	76 597	X	97 309
00970099	All other materials and components, parts, containers, and supplies	X	661 211	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	831 155	X	N
	334111, ELECTRONIC COMPUTER MFG				
33441103	Cathode ray tubes (CRT'S) and all other transmittal, industrial, and special purpose electron tubes (except x-ray)	X	D	X	70 221
33441200	Printed circuit boards (without inserted components) for electronic circuitry	X	205 820	X	327 943
001900C3	Printed memory boards for electronic circuitry	X	1 264 260	X	2 013 758
001900C6	Printed peripheral controllers (graphic boards, drive controllers, etc.) for electronic circuitry	X	443 961	X	456 944
001900C7	Printed computer processors (system boards, array processors, etc.) for electronic circuitry	X	2 915 193	X	1 411 250
001900C5	Printed communication boards (LAN boards, D/A and A/D converters, etc.) for electronic circuitry	X	307 132	X	N
001900D1	Other printed circuit boards (loaded boards, subassemblies, and modules) for electronic circuitry	X	280 173	X	178 479
33441300	Semiconductors, including transistors, diodes, rectifiers, and integrated circuits for electronic circuitry	X	548 761	X	789 118
33441400	Capacitors for electronic circuitry	X	62 276	X	42 803
33441500	Resistors for electronic circuitry	X	31 083	X	35 636
33441700	Connectors for electronic circuitry	X	80 715	X	59 438
33400017	Battery packs for electronic circuitry	X	34 362	X	462 763
001900D2	Other power supply units for electronic circuitry	X	376 893	X	168 228
001900B8	Other components and accessories for elect. circuitry (incl. coils, transformers, transducers, switches, etc) exc. tubes	X	D	X	388 229
001900B1	Electrical transmission, distribution, and control equipment	X	37 110	X	28 831
33232201	Steel, aluminum, and other metal electronic enclosure	X	394 602	X	204 432
32619901	Plastics electronic enclosures	X	123 877	X	114 043
33200003	Sheet metal products (including stampings), except enclosures	X	21 180	X	88 544
33200017	All other fabricated metal products (except forgings)	X	D	X	32 022
33210001	Forgings	X	—	X	D
33100035	Castings (rough and semifinished)	X	2 165	X	3 401
33100033	Metal shapes and forms, except castings, forgings, and fabricated metal products	X	927	X	1 261
331000A9	Insulated copper wire and cable (including magnet wire)	X	50 014	X	149 424
32610031	Fabricated plastics products, except enclosures	X	2 877	X	9 264
33461100	Purchased software	X	225 883	X	194 413
33593103	Appliance outlets, switches, lampholders, and other current-carrying wiring devices	X	7 604	X	30 374
33531201	Electric motors and generators	X	4 053	X	4 972
33200001	Paper and paperboard products including paperboard boxes, containers, and corrugated paperboard	X	73 806	X	60 243
33411101	Purchased computers	X	4 047 314	X	4 671 187
33411200	Purchased peripheral storage devices	X	2 866 679	X	1 386 953

Table 1. Materials Consumed by Kind by Industry: 1997 and 1992—Con.

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	334111, ELECTRONIC COMPUTER MFG—Con.				
33411300	Purchased computer terminals	X	D	X	774 909
33411903	Purchased peripheral input devices, including keyboards, mouse devices, trackballs, etc.	X	590 925	X	429 967
33411905	Purchased peripheral printers	X	37 072	X	76 307
33410007	Other purchased electronic computing and peripheral equipment	X	1 635 245	X	121 312
00970099	All other materials and components, parts, containers, and supplies	X	6 497 488	X	808 354
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	9 724 451	X	3 018 084
	334112, COMPUTER STORAGE DEVICE MFG				
33441103	Cathode ray tubes (CRT'S) and all other transmittal, industrial, and special purpose electron tubes (except x-ray)	X	D	X	N
33441200	Printed circuit boards (without inserted components) for electronic circuitry	X	45 560	X	29 568
001900C3	Printed memory boards for electronic circuitry	X	19 729	X	N
001900C6	Printed peripheral controllers (graphic boards, drive controllers, etc.) for electronic circuitry	X	85 543	X	N
001900C7	Printed computer processors (system boards, array processors, etc.) for electronic circuitry	X	27 333	X	N
001900C5	Printed communication boards (LAN boards, D/A and A/D converters, etc.) for electronic circuitry	X	823	X	N
001900D1	Other printed circuit boards (loaded boards, subassemblies, and modules) for electronic circuitry	X	33 687	X	N
33441300	Semiconductors, including transistors, diodes, rectifiers, and integrated circuits for electronic circuitry	X	84 010	X	119 958
33441400	Capacitors for electronic circuitry	X	1 960	X	10 562
33441500	Resistors for electronic circuitry	X	1 271	X	5 058
33441700	Connectors for electronic circuitry	X	4 465	X	15 918
33400017	Battery packs for electronic circuitry	X	1 885	X	D
001900D2	Other power supply units for electronic circuitry	X	35 715	X	N
001900B8	Other components and accessories for elect. circuitry (incl. coils, transformers, transducers, switches, etc) exc. tubes	X	D	X	N
001900B1	Electrical transmission, distribution, and control equipment	X	4 258	X	D
33232201	Steel, aluminum, and other metal electronic enclosure	X	59 331	X	15 965
32619901	Plastics electronic enclosures	X	D	X	D
33200003	Sheet metal products (including stampings), except enclosures	X	52 558	X	31 229
33200017	All other fabricated metal products (except forgings)	X	D	X	35 732
33210001	Forgings	X	—	X	D
33100035	Castings (rough and semifinished)	X	6 184	X	29 636
33100033	Metal shapes and forms, except castings, forgings, and fabricated metal products	X	D	X	27 546
331000A9	Insulated copper wire and cable (including magnet wire)	X	7 514	X	23 370
32610031	Fabricated plastics products, except enclosures	X	D	X	15 092
33461100	Purchased software	X	D	X	D
33593103	Appliance outlets, switches, lampholders, and other current-carrying wiring devices	X	D	X	D
33531201	Electric motors and generators	X	48 936	X	85 552
33200001	Paper and paperboard products including paperboard boxes, containers, and corrugated paperboard	X	7 417	X	12 446
33411101	Purchased computers	X	D	X	N
33411200	Purchased peripheral storage devices	X	2 204 984	X	N
33411300	Purchased computer terminals	X	D	X	N
33411903	Purchased peripheral input devices, including keyboards, mouse devices, trackballs, etc.	X	D	X	N
33411905	Purchased peripheral printers	X	31	X	N
33410007	Other purchased electronic computing and peripheral equipment	X	50 723	X	N
00970099	All other materials and components, parts, containers, and supplies	X	1 060 374	X	780 987
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	1 730 041	X	619 370
	334113, COMPUTER TERMINAL MFG				
33441103	Cathode ray tubes (CRT'S) and all other transmittal, industrial, and special purpose electron tubes (except x-ray)	X	85 218	X	N
33441200	Printed circuit boards (without inserted components) for electronic circuitry	X	1 509	X	22 198
001900C3	Printed memory boards for electronic circuitry	X	D	X	N
001900C6	Printed peripheral controllers (graphic boards, drive controllers, etc.) for electronic circuitry	X	1 953	X	3 344
001900C7	Printed computer processors (system boards, array processors, etc.) for electronic circuitry	X	D	X	N
001900C5	Printed communication boards (LAN boards, D/A and A/D converters, etc.) for electronic circuitry	X	D	X	N
001900D1	Other printed circuit boards (loaded boards, subassemblies, and modules) for electronic circuitry	X	D	X	N
33441300	Semiconductors, including transistors, diodes, rectifiers, and integrated circuits for electronic circuitry	X	8 486	X	N
33441400	Capacitors for electronic circuitry	X	3 722	X	5 668
33441500	Resistors for electronic circuitry	X	800	X	4 235
33441700	Connectors for electronic circuitry	X	2 370	X	N
33400017	Battery packs for electronic circuitry	X	D	X	D
001900D2	Other power supply units for electronic circuitry	X	D	X	N
001900B8	Other components and accessories for elect. circuitry (incl. coils, transformers, transducers, switches, etc) exc. tubes	X	3 581	X	N
001900B1	Electrical transmission, distribution, and control equipment	X	D	X	D
33232201	Steel, aluminum, and other metal electronic enclosure	X	4 499	X	6 740
32619901	Plastics electronic enclosures	X	9 884	X	26 439
33200003	Sheet metal products (including stampings), except enclosures	X	12 748	X	D
33200017	All other fabricated metal products (except forgings)	X	D	X	D
33210001	Forgings	X	—	X	N
33100035	Castings (rough and semifinished)	X	94	X	D
33100033	Metal shapes and forms, except castings, forgings, and fabricated metal products	X	D	X	D
331000A9	Insulated copper wire and cable (including magnet wire)	X	886	X	2 074
32610031	Fabricated plastics products, except enclosures	X	2 319	X	1 996
33461100	Purchased software	X	1 103	X	D
33593103	Appliance outlets, switches, lampholders, and other current-carrying wiring devices	X	D	X	D
33531201	Electric motors and generators	X	D	X	D
33200001	Paper and paperboard products including paperboard boxes, containers, and corrugated paperboard	X	3 588	X	D
33411101	Purchased computers	X	D	X	N
33411200	Purchased peripheral storage devices	X	—	X	N

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	334113, COMPUTER TERMINAL MFG—Con.				
33411300	Purchased computer terminals	X	9 893	X	N
33411903	Purchased peripheral input devices, including keyboards, mouse devices, trackballs, etc.	X	21 785	X	N
33411905	Purchased peripheral printers	X	D	X	N
33410007	Other purchased electronic computing and peripheral equipment	X	21 047	X	N
00970099	All other materials and components, parts, containers, and supplies	X	138 024	X	205 785
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	318 091	X	401 845
	334119, OTHER COMPUTER PERIPHERAL EQUIPMENT MFG				
33441103	Cathode ray tubes (CRT'S) and all other transmittal, industrial, and special purpose electron tubes (except x-ray)	X	30 676	X	N
33441200	Printed circuit boards (without inserted components) for electronic circuitry	X	426 994	X	N
001900C3	Printed memory boards for electronic circuitry	X	478 641	X	N
001900C6	Printed peripheral controllers (graphic boards, drive controllers, etc.) for electronic circuitry	X	154 259	X	N
001900C7	Printed computer processors (system boards, array processors, etc.) for electronic circuitry	X	56 226	X	N
001900C5	Printed communication boards (LAN boards, D/A and A/D converters, etc.) for electronic circuitry	X	20 605	X	N
001900D1	Other printed circuit boards (loaded boards, subassemblies, and modules) for electronic circuitry	X	493 268	X	N
33441300	Semiconductors, including transistors, diodes, rectifiers, and integrated circuits for electronic circuitry	X	601 146	X	N
33441400	Capacitors for electronic circuitry	X	48 999	X	N
33441500	Resistors for electronic circuitry	X	36 348	X	N
33441700	Connectors for electronic circuitry	X	121 896	X	N
33400017	Battery packs for electronic circuitry	X	5 627	X	N
001900D2	Other power supply units for electronic circuitry	X	121 428	X	N
001900B8	Other components and accessories for elect. circuitry (incl. coils, transformers, transducers, switches, etc) exc. tubes	X	188 331	X	N
001900B1	Electrical transmission, distribution, and control equipment	X	23 775	X	N
33232201	Steel, aluminum, and other metal electronic enclosure	X	120 327	X	N
32619901	Plastics electronic enclosures	X	105 777	X	N
33200003	Sheet metal products (including stampings), except enclosures	X	112 616	X	N
33200017	All other fabricated metal products (except forgings)	X	149 266	X	N
33210001	Forgings	X	1 350	X	N
33100035	Castings (rough and semifinished)	X	12 101	X	N
33100033	Metal shapes and forms, except castings, forgings, and fabricated metal products	X	57 882	X	N
331000A9	Insulated copper wire and cable (including magnet wire)	X	227 307	X	N
32610031	Fabricated plastics products, except enclosures	X	244 144	X	N
33461100	Purchased software	X	12 029	X	N
33593103	Appliance outlets, switches, lampholders, and other current-carrying wiring devices	X	14 603	X	N
33531201	Electric motors and generators	X	306 099	X	N
32200001	Paper and paperboard products including paperboard boxes, containers, and corrugated paperboard	X	72 450	X	N
33411101	Purchased computers	X	269 768	X	N
33411200	Purchased peripheral storage devices	X	24 452	X	N
33411300	Purchased computer terminals	X	17 397	X	N
33411903	Purchased peripheral input devices, including keyboards, mouse devices, trackballs, etc.	X	44 268	X	N
33411905	Purchased peripheral printers	X	264 328	X	N
33410007	Other purchased electronic computing and peripheral equipment	X	93 296	X	N
332000A9	Sheet metal products, except stampings	X	9 593	X	N
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	D	X	N
332000AC	Metal stampings	X	D	X	N
33200033	Other fabricated metal products (except forgings)	X	440	X	N
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	N
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	N
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	45	X	N
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	N
001900C4	Printed circuit assemblies, loaded boards or modules (printed circuit boards with inserted electronic components)	X	44 194	X	N
001900D3	Other components and accessories for electronic circuitry, n.e.c., except tubes	X	D	X	N
331000A7	Insulated wire and cable, including magnet wire	X	D	X	N
33593101	Current-carrying wiring devices	X	D	X	N
33531211	Fractional horsepower electric motors (less than 1 hp)	X	D	X	N
33422001	Electronic communication equipment	X	2 483	X	N
33451501	Electrical instrument mechanisms and meter movements (including instrument relays)	X	D	X	N
33410001	Electronic computing equipment	X	4 363	X	N
33331401	Optical instruments and lenses (except sighting, tracking, and fire control)	X	D	X	N
33599900	Automatic garage door controllers	X	—	X	N
32610007	Fabricated plastics products (except gaskets, hoses, and belting)	X	D	X	N
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies	X	14 378	X	N
00970099	All other materials and components, parts, containers, and supplies	X	4 534 839	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	3 870 338	X	N
	334210, TELEPHONE APPARATUS MFG				
33441200	Printed circuit boards (without inserted components) for electronic circuitry	X	442 757	X	N
001900C4	Printed circuit assemblies, loaded boards or modules (printed circuit boards with inserted electronic components)	X	615 696	X	N
33441300	Semiconductors, including transistors, diodes, rectifiers, and integrated circuits for electronic circuitry	X	1 117 354	X	N
33441400	Capacitors for electronic circuitry	X	102 111	X	X
33441500	Resistors for electronic circuitry	X	70 207	X	X
001900D3	Other components and accessories for electronic circuitry, n.e.c., except tubes	X	1 021 652	X	X
33422001	Electronic communication equipment	X	1 620 566	X	X

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		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	334210, TELEPHONE APPARATUS MFG—Con.				
33451501	Electrical instrument mechanisms and meter movements (including instrument relays)	X	22 562	X	X
33410001	Electronic computing equipment	X	91 750	X	X
33593101	Current-carrying wiring devices	X	49 021	X	X
331000A7	Insulated wire and cable, including magnet wire	X	122 553	X	X
33431005	Loudspeakers, microphones, and tuners (all types)	X	51 007	X	X
33531211	Fractional horsepower electric motors (less than 1 hp)	X	D	X	X
32518835	Silicon, hyperpure	X	D	X	X
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	8 391	X	X
32610007	Fabricated plastics products (except gaskets, hoses, and belting)	X	80 040	X	X
332000A9	Sheet metal products, except stampings	X	107 985	X	X
332000AC	Metal stampings	X	34 890	X	X
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	D	X	X
33200033	Other fabricated metal products (except forgings)	X	D	X	X
33210001	Forgings	X	—	X	X
33100035	Castings (rough and semifinished)	X	15 650	X	X
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	X	23 942	X	X
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	6 673	X	X
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	483	X	X
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies	X	32 435	X	X
00970099	All other materials and components, parts, containers, and supplies	X	2 178 814	X	X
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	5 674 872	X	X
	334220, RADIO & TV BROADCASTING & WIRELESS COMMUNICATIONS EQUIPMENT MFG				
33441200	Printed circuit boards (without inserted components) for electronic circuitry	X	1 028 338	X	N
001900C4	Printed circuit assemblies, loaded boards or modules (printed circuit boards with inserted electronic components)	X	656 221	X	N
33441300	Semiconductors, including transistors, diodes, rectifiers, and integrated circuits for electronic circuitry	X	2 589 043	X	N
33441400	Capacitors for electronic circuitry	X	132 281	X	N
33441500	Resistors for electronic circuitry	X	69 323	X	N
001900D3	Other components and accessories for electronic circuitry, n.e.c., except tubes	X	1 320 595	X	N
33422001	Electronic communication equipment	X	2 008 924	X	N
33451501	Electrical instrument mechanisms and meter movements (including instrument relays)	X	47 454	X	N
33410001	Electronic computing equipment	X	165 366	X	N
33593101	Current-carrying wiring devices	X	74 969	X	N
331000A7	Insulated wire and cable, including magnet wire	X	554 232	X	N
33431005	Loudspeakers, microphones, and tuners (all types)	X	10 456	X	42 204
33531211	Fractional horsepower electric motors (less than 1 hp)	X	13 010	X	11 647
32518835	Silicon, hyperpure	X	1 699	X	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	14 463	X	N
32610007	Fabricated plastics products (except gaskets, hoses, and belting)	X	49 023	X	69 934
332000A9	Sheet metal products, except stampings	X	359 269	X	N
332000AC	Metal stampings	X	35 050	X	N
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	74 225	X	N
33200033	Other fabricated metal products (except forgings)	X	236 647	X	N
33210001	Forgings	X	3 255	X	N
33100035	Castings (rough and semifinished)	X	110 235	X	N
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	X	29 880	X	N
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	100 085	X	N
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	12 049	X	26 687
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies	X	43 227	X	N
00970099	All other materials and components, parts, containers, and supplies	X	1 751 535	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	5 277 473	X	N
	334290, OTHER COMMUNICATIONS EQUIPMENT MFG				
33441200	Printed circuit boards (without inserted components) for electronic circuitry	X	145 206	X	46 049
001900C4	Printed circuit assemblies, loaded boards or modules (printed circuit boards with inserted electronic components)	X	53 968	X	35 119
33441300	Semiconductors, including transistors, diodes, rectifiers, and integrated circuits for electronic circuitry	X	68 814	X	73 818
33441400	Capacitors for electronic circuitry	X	19 783	X	17 928
33441500	Resistors for electronic circuitry	X	14 767	X	13 985
001900D3	Other components and accessories for electronic circuitry, n.e.c., except tubes	X	32 335	X	64 291
33422001	Electronic communication equipment	X	58 623	X	22 736
33451501	Electrical instrument mechanisms and meter movements (including instrument relays)	X	12 108	X	24 827
33410001	Electronic computing equipment	X	6 687	X	3 332
33593101	Current-carrying wiring devices	X	13 591	X	9 089
331000A7	Insulated wire and cable, including magnet wire	X	19 339	X	12 470
33431005	Loudspeakers, microphones, and tuners (all types)	X	15 759	X	6 657
33531211	Fractional horsepower electric motors (less than 1 hp)	X	D	X	7 336
32518835	Silicon, hyperpure	X	D	X	D
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	D	X	7 210
32610007	Fabricated plastics products (except gaskets, hoses, and belting)	X	60 525	X	38 213
332000A9	Sheet metal products, except stampings	X	40 618	X	29 386
332000AC	Metal stampings	X	10 038	X	17 178
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	24 540	X	10 048
33200033	Other fabricated metal products (except forgings)	X	63 211	X	D

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		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	334290, OTHER COMMUNICATIONS EQUIPMENT MFG—Con.				
33210001	Forgings	X	1 812	X	D
33100035	Castings (rough and semifinished)	X	19 379	X	22 075
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	X	5 635	X	6 150
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	6 247	X	6 433
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	971	X	1 699
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies.	X	11 805	X	12 586
00970099	All other materials and components, parts, containers, and supplies	X	193 163	X	D
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	452 387	X	D
	334310, AUDIO & VIDEO EQUIPMENT MFG				
33172000	Cabinets (wood, metal, and plastics)	X	258 430	X	510 391
33431003	Tuners	X	47 708	X	183 100
33431007	Speakers and speaker systems	X	253 561	X	159 291
33441101	Cathode ray picture tubes	X	986 893	X	1 593 287
33441200	Printed circuit boards (without inserted components) for electronic circuitry	X	184 160	X	143 242
001900C4	Printed circuit assemblies, loaded boards or modules (printed circuit boards with inserted electronic components)	X	126 799	X	750 669
33441300	Semiconductors, including transistors, diodes, rectifiers, and integrated circuits for electronic circuitry	X	165 807	X	107 102
33441400	Capacitors for electronic circuitry	X	86 026	X	41 500
33441500	Resistors for electronic circuitry	X	28 848	X	23 783
001900D3	Other components and accessories for electronic circuitry, n.e.c., except tubes	X	139 771	X	314 582
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	180 127	X	98 864
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies.	X	67 042	X	83 906
33593101	Current-carrying wiring devices	X	273 551	X	112 589
332000AC	Metal stampings	X	50 373	X	88 676
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	25 840	X	28 659
33200085	All other fabricated metal products (except forgings)	X	22 394	X	73 213
33210001	Forgings	X	D	X	D
33100035	Castings (rough and semifinished)	X	D	X	D
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	X	9 124	X	19 634
331000AJ	Nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	6 853	X	25 451
331000A7	Insulated wire and cable, including magnet wire.	X	32 662	X	75 753
00970099	All other materials and components, parts, containers, and supplies	X	531 436	X	D
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	1 847 264	X	D
	334411, ELECTRON TUBE MFG				
32721203	Tube blanks	X	538 666	X	D
33441200	Printed circuit boards (without inserted components) for electronic circuitry	X	2 658	X	4 988
001900C4	Printed circuit assemblies, loaded boards or modules (printed circuit boards with inserted electronic components)	X	13 529	X	N
33441300	Semiconductors, including transistors, diodes, rectifiers, and integrated circuits for electronic circuitry	X	D	X	3 949
33441400	Capacitors for electronic circuitry	X	1 584	X	3 142
33441500	Resistors for electronic circuitry	X	1 364	X	2 079
001900D3	Other components and accessories for electronic circuitry, n.e.c., except tubes	X	D	X	N
32518835	Silicon, hyperpure.	X	D	X	D
33141911	Gold and other precious metals, all forms (including ingot, sheet, strip, solder, plating, electrodes, etc.)	X	11 424	X	8 633
33141917	Doped chemicals, and other doped materials for electronic use	X	D	X	D
33111107	Ferrites (powder and paste)	X	D	X	D
331000AA	Metal powders	X	4 448	X	7 890
33410001	Electronic computing equipment	X	352	X	D
33593101	Current-carrying wiring devices	X	1 164	X	D
33422001	Electronic communication equipment	X	211	X	D
33451501	Electrical instrument mechanisms and meter movements (including instrument relays)	X	D	X	D
33331401	Optical instruments and lenses (except sighting, tracking, and fire control)	X	D	X	D
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	337	X	D
32610011	Fabricated plastics products (except gaskets)	X	1 049	X	1 765
332000A9	Sheet metal products, except stampings	X	45 272	X	65 592
332000AC	Metal stampings	X	71 924	X	57 900
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	6 253	X	5 372
33200033	Other fabricated metal products (except forgings)	X	41 573	X	28 089
33210001	Forgings	X	94	X	D
33100035	Castings (rough and semifinished)	X	D	X	D
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	X	2 214	X	1 319
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	2 106
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	814
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	2 975	X	3 069
331000A7	Insulated wire and cable, including magnet wire.	X	D	X	6 601
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies.	X	1 780	X	2 005
32611305	Resists (photosensitive resin films applied to the surface of a wafer)	X	D	X	N
32512005	Commodity gases	X	4 114	X	N
32518843	Speciality gases	X	D	X	N
32599217	Masks	X	D	X	N
33141957	Silicon chips	X	—	X	N
00970099	All other materials and components, parts, containers, and supplies	X	448 572	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	670 584	X	831 297

Table 1. Materials Consumed by Kind by Industry: 1997 and 1992—Con.

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	334412, BARE PRINTED CIRCUIT BOARD MFG				
32721203	Tube blanks	X	1 659	X	D
33441200	Printed circuit boards (without inserted components) for electronic circuitry	X	522 536	X	293 083
001900C4	Printed circuit assemblies, loaded boards or modules (printed circuit boards with inserted electronic components)	X	104 155	X	N
33441300	Semiconductors, including transistors, diodes, rectifiers, and integrated circuits for electronic circuitry	X	122 456	X	67 041
33441400	Capacitors for electronic circuitry	X	37 014	X	11 132
33441500	Resistors for electronic circuitry	X	25 880	X	6 699
001900D3	Other components and accessories for electronic circuitry, n.e.c., except tubes	X	117 694	X	N
32518835	Silicon, hyperpure	X	D	X	D
33141911	Gold and other precious metals, all forms (including ingot, sheet, strip, solder, plating, electrodes, etc.)	X	49 824	X	56 728
33141917	Doped chemicals, and other doped materials for electronic use	X	34 373	X	50 689
33111107	Ferrites (powder and paste)	X	138	X	D
331000AA	Metal powders	X	502	X	D
33410001	Electronic computing equipment	X	2 801	X	430
33593101	Current-carrying wiring devices	X	2 636	X	2 436
33422001	Electronic communication equipment	X	D	X	D
33451501	Electrical instrument mechanisms and meter movements (including instrument relays)	X	4 193	X	497
33331401	Optical instruments and lenses (except sighting, tracking, and fire control)	X	D	X	337
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	15 768	X	3 831
32610011	Fabricated plastics products (except gaskets)	X	80 640	X	23 982
332000A9	Sheet metal products, except stampings	X	10 911	X	9 824
332000AC	Metal stampings	X	3 337	X	2 240
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	3 222	X	5 169
33200033	Other fabricated metal products (except forgings)	X	16 668	X	90 988
33210001	Forgings	X	D	X	N
33100035	Castings (rough and semifinished)	X	D	X	232
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	457
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	44 364	X	42 739
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	3 085	X	5 619
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	395	X	6 734
331000A7	Insulated wire and cable, including magnet wire	X	10 025	X	9 768
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies	X	9 169	X	6 482
32518843	Specialty gases	X	385	X	N
32512005	Commodity gases	X	897	X	N
33141957	Silicon chips	X	D	X	N
32599217	Masks	X	6 719	X	N
32611305	Resists (photosensitive resin films applied to the surface of a wafer)	X	54 814	X	N
00970099	All other materials and components, parts, containers, and supplies	X	843 663	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	920 456	X	789 679
	334413, SEMICONDUCTOR & RELATED DEVICE MFG				
32721203	Tube blanks	X	6 404	X	2 529
33441200	Printed circuit boards (without inserted components) for electronic circuitry	X	77 350	X	44 519
001900C4	Printed circuit assemblies, loaded boards or modules (printed circuit boards with inserted electronic components)	X	62 872	X	97 956
33441300	Semiconductors, including transistors, diodes, rectifiers, and integrated circuits for electronic circuitry	X	1 550 393	X	1 341 833
33441400	Capacitors for electronic circuitry	X	209 149	X	15 886
33441500	Resistors for electronic circuitry	X	25 043	X	4 641
001900D3	Other components and accessories for electronic circuitry, n.e.c., except tubes	X	322 358	X	195 671
32518835	Silicon, hyperpure	X	1 529 415	X	675 715
33141911	Gold and other precious metals, all forms (including ingot, sheet, strip, solder, plating, electrodes, etc.)	X	267 963	X	55 002
33141917	Doped chemicals, and other doped materials for electronic use	X	349 933	X	133 899
33111107	Ferrites (powder and paste)	X	D	X	D
331000AA	Metal powders	X	671	X	3 597
33410001	Electronic computing equipment	X	76 751	X	38 640
33593101	Current-carrying wiring devices	X	19 940	X	6 465
33422001	Electronic communication equipment	X	22 295	X	7 768
33451501	Electrical instrument mechanisms and meter movements (including instrument relays)	X	144 698	X	D
33331401	Optical instruments and lenses (except sighting, tracking, and fire control)	X	8 462	X	D
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	30 065	X	29 838
32610011	Fabricated plastics products (except gaskets)	X	56 003	X	30 747
332000A9	Sheet metal products, except stampings	X	7 775	X	10 781
332000AC	Metal stampings	X	33 807	X	49 854
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	16 721	X	3 045
33200033	Other fabricated metal products (except forgings)	X	40 460	X	41 623
33210001	Forgings	X	D	X	D
33100035	Castings (rough and semifinished)	X	2 172	X	1 048
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	X	4 147	X	4 351
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	15 564	X	3 384
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	79 397	X	11 447
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	64 260	X	7 730
331000A7	Insulated wire and cable, including magnet wire	X	18 415	X	6 338

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		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	334413, SEMICONDUCTOR & RELATED DEVICE MFG—Con.				
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies.....	X	47 389	X	44 449
32611305	Resists (photosensitive resin films applied to the surface of a wafer).....	X	59 289	X	N
32518843	Specialty gases.....	X	107 983	X	N
33141957	Silicon chips.....	X	524 912	X	N
32599217	Masks.....	X	208 645	X	N
32512005	Commodity gases.....	X	539 420	X	N
00970099	All other materials and components, parts, containers, and supplies.....	X	2 498 740	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.....	X	790 370	X	1 074 829
	334414, ELECTRONIC CAPACITOR MFG				
33441200	Printed circuit boards (without inserted components) for electronic circuitry.....	X	3 830	X	237
001900C4	Printed circuit assemblies, loaded boards or modules (printed circuit boards with inserted electronic components).....	X	D	X	N
33441300	Semiconductors, including transistors, diodes, rectifiers, and integrated circuits for electronic circuitry.....	X	5 693	X	688
33441400	Capacitors for electronic circuitry.....	X	85 331	X	20 154
33441500	Resistors for electronic circuitry.....	X	D	X	N
001900D3	Other components and accessories for electronic circuitry, n.e.c., except tubes.....	X	32 209	X	N
32518835	Silicon, hyperpure.....	X	—	X	D
33141911	Gold and other precious metals, all forms (including ingot, sheet, strip, solder, plating, electrodes, etc.).....	X	83 502	X	42 953
33141917	Doped chemicals, and other doped materials for electronic use.....	X	D	X	D
33111107	Ferrites (powder and paste).....	X	D	X	D
331000AA	Metal powders.....	X	203 473	X	D
33410001	Electronic computing equipment.....	X	D	X	D
33593101	Current-carrying wiring devices.....	X	D	X	N
33422001	Electronic communication equipment.....	X	—	X	D
33451501	Electrical instrument mechanisms and meter movements (including instrument relays).....	X	—	X	D
33331401	Optical instruments and lenses (except sighting, tracking, and fire control).....	X	—	X	D
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.....	X	12 167	X	13 017
32610011	Fabricated plastics products (except gaskets).....	X	15 725	X	2 109
332000A9	Sheet metal products, except stampings.....	X	7 769	X	D
332000AC	Metal stampings.....	X	22 300	X	D
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products.....	X	4 493	X	3 003
33200033	Other fabricated metal products (except forgings).....	X	7 034	X	3 799
33100035	Castings (rough and semifinished).....	X	D	X	D
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products).....	X	950	X	D
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products).....	X	916	X	D
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products).....	X	D	X	17 651
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products).....	X	4 582	X	D
331000A7	Insulated wire and cable, including magnet wire.....	X	D	X	771
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies.....	X	10 686	X	3 901
32512005	Commodity gases.....	X	3 873	X	N
32518843	Specialty gases.....	X	D	X	N
00970099	All other materials and components, parts, containers, and supplies.....	X	174 633	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.....	X	47 257	X	115 639
	334415, ELECTRONIC RESISTOR MFG				
32721203	Tube blanks.....	X	1 470	X	D
33441200	Printed circuit boards (without inserted components) for electronic circuitry.....	X	4 472	X	528
001900C4	Printed circuit assemblies, loaded boards or modules (printed circuit boards with inserted electronic components).....	X	D	X	311
33441300	Semiconductors, including transistors, diodes, rectifiers, and integrated circuits for electronic circuitry.....	X	D	X	N
33441400	Capacitors for electronic circuitry.....	X	20 221	X	N
33441500	Resistors for electronic circuitry.....	X	12 636	X	8 382
001900D3	Other components and accessories for electronic circuitry, n.e.c., except tubes.....	X	4 837	X	N
32518835	Silicon, hyperpure.....	X	D	X	D
33141911	Gold and other precious metals, all forms (including ingot, sheet, strip, solder, plating, electrodes, etc.).....	X	19 816	X	6 611
33141917	Doped chemicals, and other doped materials for electronic use.....	X	D	X	D
33111107	Ferrites (powder and paste).....	X	5 203	X	2 221
331000AA	Metal powders.....	X	2 816	X	696
33410001	Electronic computing equipment.....	X	464	X	D
33593101	Current-carrying wiring devices.....	X	2 291	X	677
33422001	Electronic communication equipment.....	X	D	X	N
33451501	Electrical instrument mechanisms and meter movements (including instrument relays).....	X	D	X	19
33331401	Optical instruments and lenses (except sighting, tracking, and fire control).....	X	D	X	419
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.....	X	8 460	X	4 677
32610011	Fabricated plastics products (except gaskets).....	X	14 282	X	3 765
332000A9	Sheet metal products, except stampings.....	X	1 913	X	152
332000AC	Metal stampings.....	X	11 605	X	14 174
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products.....	X	8 996	X	2 528
33200033	Other fabricated metal products (except forgings).....	X	7 731	X	3 652
33210001	Forgings.....	X	D	X	N
33100035	Castings (rough and semifinished).....	X	—	X	D
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products).....	X	2 538	X	1 520
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products).....	X	1 758	X	1 534
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products).....	X	1 825	X	611
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products).....	X	504	X	D

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		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	334415, ELECTRONIC RESISTOR MFG—Con.				
331000A7	Insulated wire and cable, including magnet wire	X	4 032	X	3 661
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies	X	4 699	X	2 094
33141957	Silicon chips	X	D	X	N
32611305	Resists (photosensitive resin films applied to the surface of a wafer)	X	1 276	X	N
32599217	Masks	X	D	X	N
32512005	Commodity gases	X	1 577	X	N
32518843	Specialty gases	X	D	X	N
00970099	All other materials and components, parts, containers, and supplies	X	66 413	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	11 170	X	39 985
	334416, ELECTRONIC COIL, TRANSFORMER, & OTHER INDUCTOR MFG				
32721203	Tube blanks	X	1 047	X	N
33441200	Printed circuit boards (without inserted components) for electronic circuitry	X	1 582	X	N
001900C4	Printed circuit assemblies, loaded boards or modules (printed circuit boards with inserted electronic components)	X	2 874	X	N
33441300	Semiconductors, including transistors, diodes, rectifiers, and integrated circuits for electronic circuitry	X	2 874	X	N
33441400	Capacitors for electronic circuitry	X	2 794	X	N
33441500	Resistors for electronic circuitry	X	1 856	X	N
001900D3	Other components and accessories for electronic circuitry, n.e.c., except tubes	X	7 806	X	N
32518835	Silicon, hyperpure	X	D	X	N
33141911	Gold and other precious metals, all forms (including ingot, sheet, strip, solder, plating, electrodes, etc.)	X	1 218	X	N
33141917	Doped chemicals, and other doped materials for electronic use	X	418	X	N
33111107	Ferrites (powder and paste)	X	11 918	X	N
331000AA	Metal powders	X	2 186	X	N
33410001	Electronic computing equipment	X	D	X	N
33593101	Current-carrying wiring devices	X	6 794	X	N
33422001	Electronic communication equipment	X	373	X	N
33451501	Electrical instrument mechanisms and meter movements (including instrument relays)	X	2 306	X	N
33331401	Optical instruments and lenses (except sighting, tracking, and fire control)	X	D	X	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	4 811	X	N
32610011	Fabricated plastics products (except gaskets)	X	8 860	X	N
332000A9	Sheet metal products, except stampings	X	3 043	X	N
332000AC	Metal stampings	X	16 252	X	N
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	8 313	X	N
33200033	Other fabricated metal products (except forgings)	X	9 478	X	N
33210001	Forgings	X	D	X	N
33100035	Castings (rough and semifinished)	X	2 063	X	N
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	X	51 261	X	N
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	15 534	X	N
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	N
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	11 231	X	N
331000A7	Insulated wire and cable, including magnet wire	X	74 714	X	N
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies	X	8 127	X	N
32512005	Commodity gases	X	400	X	N
32518843	Specialty gases	X	D	X	N
33141957	Silicon chips	X	D	X	N
00970099	All other materials and components, parts, containers, and supplies	X	71 652	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	143 704	X	N
	334417, ELECTRONIC CONNECTOR MFG				
32721203	Tube blanks	X	—	X	D
33441200	Printed circuit boards (without inserted components) for electronic circuitry	X	12 775	X	4 540
001900C4	Printed circuit assemblies, loaded boards or modules (printed circuit boards with inserted electronic components)	X	21 762	X	6 261
33441300	Semiconductors, including transistors, diodes, rectifiers, and integrated circuits for electronic circuitry	X	D	X	6 310
33441400	Capacitors for electronic circuitry	X	14 314	X	4 871
33441500	Resistors for electronic circuitry	X	1 009	X	209
001900D3	Other components and accessories for electronic circuitry, n.e.c., except tubes	X	27 232	X	17 119
32518835	Silicon, hyperpure	X	—	X	D
33141911	Gold and other precious metals, all forms (including ingot, sheet, strip, solder, plating, electrodes, etc.)	X	157 386	X	135 165
33141917	Doped chemicals, and other doped materials for electronic use	X	291	X	3 814
33111107	Ferrites (powder and paste)	X	172	X	D
331000AA	Metal powders	X	D	X	D
33410001	Electronic computing equipment	X	388	X	D
33593101	Current-carrying wiring devices	X	9 594	X	19 098
33422001	Electronic communication equipment	X	D	X	D
33451501	Electrical instrument mechanisms and meter movements (including instrument relays)	X	160	X	414
33331401	Optical instruments and lenses (except sighting, tracking, and fire control)	X	D	X	D
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	107 373	X	65 609
32610011	Fabricated plastics products (except gaskets)	X	81 380	X	120 118
332000A9	Sheet metal products, except stampings	X	4 681	X	5 744
332000AC	Metal stampings	X	51 270	X	140 184
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	71 363	X	83 527
33200033	Other fabricated metal products (except forgings)	X	82 214	X	46 723
33210001	Forgings	X	4 407	X	97
33100035	Castings (rough and semifinished)	X	12 928	X	15 594
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	X	19 265	X	15 738

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	334417, ELECTRONIC CONNECTOR MFG—Con.				
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	67 769	X	40 758
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	21 187	X	21 354
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	82 589	X	18 954
331000A7	Insulated wire and cable, including magnet wire	X	38 788	X	30 686
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies	X	27 551	X	13 964
32512005	Commodity gases	X	D	X	N
32611305	Resists (photosensitive resin films applied to the surface of a wafer)	X	D	X	N
33141957	Silicon chips	X	—	X	N
32599217	Masks	X	D	X	N
32518843	Specialty gases	X	D	X	N
00970099	All other materials and components, parts, containers, and supplies	X	285 510	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	220 916	X	146 968
	334418, PRINTED CIRCUIT ASSEMBLY (ELECTRONIC ASSEMBLY) MFG				
33441200	Printed circuit boards (without inserted components) for electronic circuitry	X	1 589 225	X	N
001900C4	Printed circuit assemblies, loaded boards or modules (printed circuit boards with inserted electronic components)	X	1 631 034	X	N
33441300	Semiconductors, including transistors, diodes, rectifiers, and integrated circuits for electronic circuitry	X	3 468 132	X	N
33441400	Capacitors for electronic circuitry	X	391 797	X	N
33441500	Resistors for electronic circuitry	X	362 048	X	N
001900D3	Other components and accessories for electronic circuitry, n.e.c., except tubes	X	1 592 394	X	N
33422001	Electronic communication equipment	X	D	X	N
33410001	Electronic computing equipment	X	20 008	X	N
33593101	Current-carrying wiring devices	X	19 645	X	N
331000A7	Insulated wire and cable, including magnet wire	X	54 775	X	N
33431005	Loudspeakers, microphones, and tuners (all types)	X	D	X	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	11 072	X	N
32610007	Fabricated plastics products (except gaskets, hoses, and belting)	X	6 686	X	N
332000A9	Sheet metal products, except stampings	X	158 205	X	N
332000AC	Metal stampings	X	29 272	X	N
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	31 837	X	N
33200033	Other fabricated metal products (except forgings)	X	D	X	N
33210001	Forgings	X	D	X	N
33100035	Castings (rough and semifinished)	X	8 113	X	N
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	X	1 144	X	N
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	6 720	X	N
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	N
32721203	Tube blanks	X	42 026	X	N
32518835	Silicon, hyperpure	X	D	X	N
33141911	Gold and other precious metals, all forms (including ingot, sheet, strip, solder, plating, electrodes, etc.)	X	28 369	X	N
33141917	Doped chemicals, and other doped materials for electronic use	X	3 322	X	N
33111107	Ferrites (powder and paste)	X	1 796	X	N
331000AA	Metal powders	X	D	X	N
33451501	Electrical instrument mechanisms and meter movements (including instrument relays)	X	17 947	X	N
33331401	Optical instruments and lenses (except sighting, tracking, and fire control)	X	D	X	N
32610011	Fabricated plastics products (except gaskets)	X	201 496	X	N
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	216	X	N
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	N
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies	X	40 249	X	N
32518843	Specialty gases	X	D	X	N
32512005	Commodity gases	X	4 589	X	N
32611305	Resists (photosensitive resin films applied to the surface of a wafer)	X	2 268	X	N
33141957	Silicon chips	X	73 018	X	N
32599217	Masks	X	D	X	N
00970099	All other materials and components, parts, containers, and supplies	X	659 700	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	3 197 510	X	N
	334419, OTHER ELECTRONIC COMPONENT MFG				
32721203	Tube blanks	X	9 413	X	N
33441200	Printed circuit boards (without inserted components) for electronic circuitry	X	59 999	X	N
001900C4	Printed circuit assemblies, loaded boards or modules (printed circuit boards with inserted electronic components)	X	126 102	X	N
33441300	Semiconductors, including transistors, diodes, rectifiers, and integrated circuits for electronic circuitry	X	138 266	X	N
33441400	Capacitors for electronic circuitry	X	54 464	X	N
33441500	Resistors for electronic circuitry	X	23 492	X	N
001900D3	Other components and accessories for electronic circuitry, n.e.c., except tubes	X	244 113	X	N
32518835	Silicon, hyperpure	X	D	X	N
33141911	Gold and other precious metals, all forms (including ingot, sheet, strip, solder, plating, electrodes, etc.)	X	53 887	X	N
33141917	Doped chemicals, and other doped materials for electronic use	X	1 353	X	N
33111107	Ferrites (powder and paste)	X	41 778	X	N
331000AA	Metal powders	X	11 229	X	N
33410001	Electronic computing equipment	X	10 226	X	N
33593101	Current-carrying wiring devices	X	53 487	X	N
33422001	Electronic communication equipment	X	116 819	X	N
33451501	Electrical instrument mechanisms and meter movements (including instrument relays)	X	8 422	X	N
33331401	Optical instruments and lenses (except sighting, tracking, and fire control)	X	D	X	N

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	334419, OTHER ELECTRONIC COMPONENT MFG—Con.				
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	39 691	X	N
32610011	Fabricated plastics products (except gaskets)	X	59 743	X	N
332000A9	Sheet metal products, except stampings	X	55 070	X	N
332000AC	Metal stampings	X	39 699	X	N
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	59 321	X	N
33200033	Other fabricated metal products (except forgings)	X	72 364	X	N
33210001	Forgings	X	873	X	N
33100035	Castings (rough and semifinished)	X	15 638	X	N
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	X	72 775	X	N
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	9 689	X	N
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	33 150	X	N
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	9 898	X	N
331000A7	Insulated wire and cable, including magnet wire	X	183 334	X	N
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies	X	29 781	X	N
32518843	Specialty gases	X	128	X	N
33141957	Silicon chips	X	11 789	X	N
32512005	Commodity gases	X	3 413	X	N
32599217	Masks	X	1 723	X	N
32611305	Resists (photosensitive resin films applied to the surface of a wafer)	X	2 411	X	N
00970099	All other materials and components, parts, containers, and supplies	X	907 176	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	1 180 745	X	N
	334510, ELECTROMEDICAL & ELECTROTHERAPEUTIC APPARATUS MFG				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	61 703	X	N
33200095	Other fabricated metal products (except forgings)	X	157 724	X	N
33210001	Forgings	X	1 627	X	N
33100035	Castings (rough and semifinished)	X	20 620	X	N
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	X	27 887	X	N
331000AJ	Nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	27 541	X	N
001900B7	Resistors, capacitors, transformers, electron tubes, semiconductors, and other electronic components	X	1 069 487	X	N
00970099	All other materials and components, parts, containers, and supplies	X	1 651 521	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	467 164	X	N
	334511, SEARCH, DETECTION, NAVIGATION, & GUIDANCE INSTRUMENT MFG				
332000A9	Sheet metal products, except stampings	X	180 318	X	N
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	62 759	X	N
332000AC	Metal stampings	X	13 611	X	N
33200033	Other fabricated metal products (except forgings)	X	137 820	X	N
33210001	Forgings	X	9 250	X	N
33100035	Castings (rough and semifinished)	X	73 206	X	N
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	X	5 476	X	N
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	11 901	X	N
33441200	Printed circuit boards (without inserted components) for electronic circuitry	X	170 738	X	N
001900C4	Printed circuit assemblies, loaded boards or modules (printed circuit boards with inserted electronic components)	X	251 948	X	N
33441300	Semiconductors, including transistors, diodes, rectifiers, and integrated circuits for electronic circuitry	X	475 551	X	N
33441400	Capacitors for electronic circuitry	X	72 197	X	N
33441500	Resistors for electronic circuitry	X	70 899	X	N
001900D3	Other components and accessories for electronic circuitry, n.e.c., except tubes	X	456 627	X	N
331000A7	Insulated wire and cable, including magnet wire	X	71 079	X	N
33593101	Current-carrying wiring devices	X	69 451	X	N
33531211	Fractional horsepower electric motors (less than 1 hp)	X	35 280	X	N
33422001	Electronic communication equipment	X	355 625	X	N
33451501	Electrical instrument mechanisms and meter movements (including instrument relays)	X	102 889	X	N
33410001	Electronic computing equipment	X	278 392	X	N
32610007	Fabricated plastics products (except gaskets, hoses, and belting)	X	45 022	X	N
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies	X	9 123	X	N
33431005	Loudspeakers, microphones, and tuners (all types)	X	7 125	X	N
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	16 254	X	N
00970099	All other materials and components, parts, containers, and supplies	X	2 180 714	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	2 564 871	X	N
	334512, AUTOMATIC ENVIRONMENTAL CONTROL MFG				
33441200	Printed circuit boards (without inserted components) for electronic circuitry	X	34 426	X	30 654
001900C4	Printed circuit assemblies, loaded boards or modules (printed circuit boards with inserted electronic components)	X	14 728	X	7 903
33441300	Semiconductors, including transistors, diodes, rectifiers, and integrated circuits for electronic circuitry	X	62 517	X	42 196
33441400	Capacitors for electronic circuitry	X	10 117	X	9 400
33441500	Resistors for electronic circuitry	X	13 086	X	7 646
001900D3	Other components and accessories for electronic circuitry, n.e.c., except tubes	X	45 722	X	47 865
33593101	Current-carrying wiring devices	X	19 069	X	12 303
001900B1	Electrical transmission, distribution, and control equipment	X	13 038	X	7 355
33410001	Electronic computing equipment	X	8 261	X	7 070
33451501	Electrical instrument mechanisms and meter movements (including instrument relays)	X	D	X	3 186

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		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	334512, AUTOMATIC ENVIRONMENTAL CONTROL MFG—Con.				
33451503	Electrical measuring instruments and parts, not listed elsewhere	X	D	X	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X		X	20 737
32610007	Fabricated plastics products (except gaskets, hoses, and belting)	X	35 017	X	25 236
332000A9	Sheet metal products, except stampings	X	36 897	X	21 252
332000AC	Metal stampings	X	35 501	X	33 355
332000AE	Other fabricated metal products (except forgings)	X	63 796	X	N
33210001	Forgings	X	44 944	X	51
33100035	Castings (rough and semifinished)	X	7 004	X	N
33100033	Metal shapes and forms, except castings, forgings, and fabricated metal products	X	37 255	X	N
32720003	Glass and glass products (excluding windows and mirrors)	X	34 262	X	2 264
00970099	All other materials and components, parts, containers, and supplies	X	4 965	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	268 194	X	D
	334513, INDUSTRIAL PROCESS CONTROL INSTRUMENT MFG				
33441200	Printed circuit boards (without inserted components) for electronic circuitry	X	103 326	X	47 013
001900C4	Printed circuit assemblies, loaded boards or modules (printed circuit boards with inserted electronic components)	X	168 987	X	71 269
33441300	Semiconductors, including transistors, diodes, rectifiers, and integrated circuits for electronic circuitry	X	128 250	X	69 361
33441400	Capacitors for electronic circuitry	X	22 765	X	13 918
33441500	Resistors for electronic circuitry	X	98 826	X	60 883
001900D3	Other components and accessories for electronic circuitry, n.e.c., except tubes	X	102 272	X	43 656
33593101	Current-carrying wiring devices	X	24 159	X	15 505
001900B1	Electrical transmission, distribution, and control equipment	X	71 823	X	14 915
33410001	Electronic computing equipment	X	80 498	X	84 931
33451501	Electrical instrument mechanisms and meter movements (including instrument relays)	X	24 106	X	24 571
33451503	Electrical measuring instruments and parts, not listed elsewhere	X	68 789	X	67 056
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X		X	2 637
32610007	Fabricated plastics products (except gaskets, hoses, and belting)	X	5 608	X	26 136
332000A9	Sheet metal products, except stampings	X	39 259	X	60 227
332000AC	Metal stampings	X	49 195	X	23 013
332000AE	Other fabricated metal products (except forgings)	X	57 093	X	N
33210001	Forgings	X	79 852	X	4 101
33100035	Castings (rough and semifinished)	X	8 600	X	N
33100033	Metal shapes and forms, except castings, forgings, and fabricated metal products	X	86 336	X	N
32720003	Glass and glass products (excluding windows and mirrors)	X	54 698	X	7 592
00970099	All other materials and components, parts, containers, and supplies	X	10 568	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	364 616	X	N
	334514, TOTALIZING FLUID METER & COUNTING DEVICE MFG				
33441200	Printed circuit boards (without inserted components) for electronic circuitry	X	74 966	X	42 468
001900C4	Printed circuit assemblies, loaded boards or modules (printed circuit boards with inserted electronic components)	X	61 700	X	19 894
33441300	Semiconductors, including transistors, diodes, rectifiers, and integrated circuits for electronic circuitry	X	72 465	X	79 762
33441400	Capacitors for electronic circuitry	X	6 966	X	22 585
33441500	Resistors for electronic circuitry	X	5 558	X	7 331
001900D3	Other components and accessories for electronic circuitry, n.e.c., except tubes	X	34 541	X	3 928
33593101	Current-carrying wiring devices	X	12 140	X	12 110
001900B1	Electrical transmission, distribution, and control equipment	X	10 093	X	5 568
33410001	Electronic computing equipment	X	11 406	X	11 424
33451501	Electrical instrument mechanisms and meter movements (including instrument relays)	X	20 191	X	26 509
33451503	Electrical measuring instruments and parts, not listed elsewhere	X	10 712	X	D
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X		X	46 476
32610007	Fabricated plastics products (except gaskets, hoses, and belting)	X	91 160	X	27 687
332000A9	Sheet metal products, except stampings	X	57 455	X	10 376
332000AC	Metal stampings	X	9 873	X	16 542
332000AE	Other fabricated metal products (except forgings)	X	16 082	X	N
33210001	Forgings	X	30 767	X	D
33100035	Castings (rough and semifinished)	X	D	X	N
33100033	Metal shapes and forms, except castings, forgings, and fabricated metal products	X	D	X	N
32720003	Glass and glass products (excluding windows and mirrors)	X	15 565	X	2 361
00970099	All other materials and components, parts, containers, and supplies	X	3 725	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	801 548	X	N
	334515, ELECTRICITY MEASURING & TESTING INSTRUMENT MFG				
33441200	Printed circuit boards (without inserted components) for electronic circuitry	X	223 187	X	N
001900C4	Printed circuit assemblies, loaded boards or modules (printed circuit boards with inserted electronic components)	X	310 399	X	N
33441300	Semiconductors, including transistors, diodes, rectifiers, and integrated circuits for electronic circuitry	X	485 218	X	N
33441400	Capacitors for electronic circuitry	X	39 103	X	N
33441500	Resistors for electronic circuitry	X	33 332	X	N
001900D3	Other components and accessories for electronic circuitry, n.e.c., except tubes	X	501 753	X	N
33593101	Current-carrying wiring devices	X	85 973	X	N
001900B1	Electrical transmission, distribution, and control equipment	X	138 757	X	N
33410001	Electronic computing equipment	X	112 622	X	N
33451501	Electrical instrument mechanisms and meter movements (including instrument relays)	X	69 960	X	N

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		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	334515, ELECTRICITY MEASURING & TESTING INSTRUMENT MFG—Con.				
33451503	Electrical measuring instruments and parts, not listed elsewhere	X	415 717	X	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	4 719	X	N
32610007	Fabricated plastics products (except gaskets, hoses, and belting)	X	43 656	X	N
332000A9	Sheet metal products, except stampings	X	116 518	X	N
332000AC	Metal stampings	X	28 405	X	N
332000AE	Other fabricated metal products (except forgings)	X	68 019	X	N
33210001	Forgings	X	4 102	X	N
33100035	Castings (rough and semifinished)	X	15 860	X	N
33100033	Metal shapes and forms, except castings, forgings, and fabricated metal products	X	15 818	X	N
32720003	Glass and glass products (excluding windows and mirrors)	X	11 725	X	N
00970099	All other materials and components, parts, containers, and supplies	X	832 699	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	1 034 068	X	N
	334516, ANALYTICAL LABORATORY INSTRUMENT MFG				
33441200	Printed circuit boards (without inserted components) for electronic circuitry	X	68 509	X	N
001900C4	Printed circuit assemblies, loaded boards or modules (printed circuit boards with inserted electronic components)	X	185 463	X	N
33441300	Semiconductors, including transistors, diodes, rectifiers, and integrated circuits for electronic circuitry	X	49 929	X	N
33441400	Capacitors for electronic circuitry	X	13 279	X	N
33441500	Resistors for electronic circuitry	X	12 194	X	N
001900D3	Other components and accessories for electronic circuitry, n.e.c., except tubes	X	67 363	X	N
33593101	Current-carrying wiring devices	X	48 521	X	N
33451501	Electrical instrument mechanisms and meter movements (including instrument relays)	X	102 587	X	N
33410001	Electronic computing equipment	X	112 489	X	N
001900B1	Electrical transmission, distribution, and control equipment	X	53 066	X	26 232
33451503	Electrical measuring instruments and parts, not listed elsewhere	X	132 380	X	75 564
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	D	X	1 853
32610007	Fabricated plastics products (except gaskets, hoses, and belting)	X	112 179	X	N
332000A9	Sheet metal products, except stampings	X	110 765	X	N
332000AC	Metal stampings	X	9 464	X	N
332000AE	Other fabricated metal products (except forgings)	X	146 195	X	N
33210001	Forgings	X	D	X	N
33100035	Castings (rough and semifinished)	X	29 880	X	N
33100033	Metal shapes and forms, except castings, forgings, and fabricated metal products	X	39 135	X	N
32720003	Glass and glass products (excluding windows and mirrors)	X	63 104	X	47 841
00970099	All other materials and components, parts, containers, and supplies	X	399 345	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	490 053	X	N
	334517, IRRADIATION APPARATUS MFG				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	12 180	X	11 136
332000AC	Metal stampings	X	19 745	X	D
33200085	All other fabricated metal products (except forgings)	X	137 743	X	99 133
33210001	Forgings	X	D	X	D
33100035	Castings (rough and semifinished)	X	7 054	X	953
33120031	Stainless steel shapes and forms (except castings, forgings, and fabricated metal products)	X	9 555	X	4 248
33120043	Other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	7 749	X	5 248
331000AJ	Nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	9 144	X	8 893
33410005	Purchased electronic computing and peripheral equipment for incorporation into complete finished products	X	390 806	X	D
33441105	Transmittal, industrial, and special-purpose electron tubes, except x-ray tubes	X	D	X	D
33441300	Semiconductors, including transistors, diodes, rectifiers, and integrated circuits for electronic circuitry	X	26 499	X	8 062
33441400	Capacitors for electronic circuitry	X	6 847	X	3 756
33441500	Resistors for electronic circuitry	X	9 077	X	3 671
33441700	Connectors for electronic circuitry	X	5 261	X	3 193
001900C2	Other electronic components and accessories	X	71 746	X	169 317
331000A1	Insulated wire and cable, except magnet wire	X	25 860	X	14 585
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	7 681	X	5 664
32221001	Paperboard containers, boxes, and corrugated paperboard	X	8 390	X	1 553
00970099	All other materials and components, parts, containers, and supplies	X	129 865	X	272 162
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	627 491	X	248 713
	334518, WATCH, CLOCK, & PART MFG				
33100033	Metal shapes and forms, except castings, forgings, and fabricated metal products	X	D	X	N
33100035	Castings (rough and semifinished)	X	2 906	X	N
33200095	Other fabricated metal products (except forgings)	X	7 277	X	N
33441200	Printed circuit boards (without inserted components) for electronic circuitry	X	1 297	X	N
001900C7	Printed computer processors (system boards, array processors, etc.) for electronic circuitry	X	D	X	N
001900B8	Other components and accessories for elect. circuitry (incl. coils, transformers, transducers, switches, etc) exc. tubes	X	3 493	X	N
33531201	Electric motors and generators	X	570	X	N
33451801	Domestic (made in the United States) watch movements or modules	X	25 734	X	N
33451803	Imported (not made in the United States) watch movements or modules	X	8 208	X	N
33451805	Domestic (made in the United States) watchcases	X	D	X	N
33451807	Imported (not made in the United States) watchcases	X	586	X	N
33451811	Domestic (made in the United States) watch parts (incl. dials, hands, displays, etc., exc. movements and face crystals)	X	4 750	X	N
33451815	Imported (not made in the US) watch parts (including dials, hands, displays, etc., except movements and face crystals)	X	573	X	N
00190092	Watchbands	X	3 243	X	N
00190093	Face crystals	X	295	X	N
33141901	Precious metals (gold, platinum, etc.), all forms, including ingot, sheet, strip, solder, plating, electrodes, etc.	X	15 449	X	N

Table 1. Materials Consumed by Kind by Industry: 1997 and 1992—Con.

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	334518, WATCH, CLOCK, & PART MFG—Con.				
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	16 893	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	13 567	X	N
00970099	All other materials and components, parts, containers, and supplies	X	93 063	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	41 969	X	N
	334519, OTHER MEASURING & CONTROLLING DEVICE MFG				
33441200	Printed circuit boards (without inserted components) for electronic circuitry	X	40 742	X	N
001900C4	Printed circuit assemblies, loaded boards or modules (printed circuit boards with inserted electronic components)	X	74 707	X	N
33441300	Semiconductors, including transistors, diodes, rectifiers, and integrated circuits for electronic circuitry	X	57 973	X	N
33441400	Capacitors for electronic circuitry	X	11 873	X	N
33441500	Resistors for electronic circuitry	X	9 651	X	N
001900D3	Other components and accessories for electronic circuitry, n.e.c., except tubes	X	43 470	X	N
33593101	Current-carrying wiring devices	X	24 561	X	N
33451501	Electrical instrument mechanisms and meter movements (including instrument relays)	X	22 531	X	N
33410001	Electronic computing equipment	X	77 418	X	N
001900B1	Electrical transmission, distribution, and control equipment	X	27 929	X	N
33451503	Electrical measuring instruments and parts, not listed elsewhere	X	27 242	X	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	7 842	X	N
32610007	Fabricated plastics products (except gaskets, hoses, and belting)	X	35 399	X	N
332000A9	Sheet metal products, except stampings	X	51 104	X	N
332000AC	Metal stampings	X	18 352	X	N
332000AE	Other fabricated metal products (except forgings)	X	108 323	X	N
33210001	Forgings	X	7 792	X	N
33100035	Castings (rough and semifinished)	X	26 706	X	N
33100033	Metal shapes and forms, except castings, forgings, and fabricated metal products	X	55 806	X	N
32720003	Glass and glass products (excluding windows and mirrors)	X	8 897	X	N
00970099	All other materials and components, parts, containers, and supplies	X	370 638	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	560 042	X	N
	334612, PRERECORDED CD (EXCEPT SOFTWARE), TAPE, & RECORD REPRODUCING				
33461301	Unrecorded audio-range magnetic tape, with or without cassettes or cartridges	X	181 123	X	N
33461200	Record blanks, audio	X	2 107	X	N
33461303	Compact disc blanks for audio and computer use	X	27 374	X	N
32619907	Empty tape cassettes and cartridges	X	127 540	X	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	67 797	X	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	88 246	X	N
32200005	Paper and paperboard products (including album covers, sleeves, etc.)	X	88 614	X	N
00970099	All other materials and components, parts, containers, and supplies	X	219 075	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	444 629	X	N
	334613, MAGNETIC & OPTICAL RECORDING MEDIA MFG				
33100037	Other metal powders, including chromium	X	12 205	X	D
32221001	Paperboard containers, boxes, and corrugated paperboard	X	76 032	X	113 680
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	329 340	X	346 268
32610007	Fabricated plastics products (except gaskets, hoses, and belting)	X	103 808	X	151 017
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	75 374	X	200 067
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	D	X	N
33200095	Other fabricated metal products (except forgings)	X	D	X	N
33210001	Forgings	X	—	X	N
33100035	Castings (rough and semifinished)	X	D	X	D
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	34 840
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	208 280	X	91 281
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	D
33111107	Ferrites (powder and paste)	X	D	X	41 131
33593101	Current-carrying wiring devices	X	D	X	D
00970099	All other materials and components, parts, containers, and supplies	X	430 738	X	599 561
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	689 837	X	174 409
	335110, ELECTRIC LAMP BULB & PART MFG				
32720009	Glass and glass products (including lamp bulb blanks)	X	297 162	X	257 806
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies	X	117 588	X	89 666
325000A7	Industrial inorganic chemicals	X	65 856	X	33 170
33100045	Nonferrous metal wire	X	169 988	X	124 296
33511005	Electric lamp (bulb) bases	X	119 233	X	91 970
00970099	All other materials and components, parts, containers, and supplies	X	208 899	X	149 885
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	33 824	X	86 462
	335121, RESIDENTIAL ELECTRIC LIGHTING FIXTURE MFG				
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	5 696	X	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	11 871	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	43 423	X	N
33531100	Specialty transformers and fluorescent ballasts	X	68 672	X	7 162
33593101	Current-carrying wiring devices	X	32 751	X	21 612
33511001	Electric lamp bulbs	X	21 375	X	11 234
32721101	Flat glass (plate, float, and sheet)	X	13 085	X	16 476
32610011	Fabricated plastics products (except gaskets)	X	22 787	X	4 723
331000A7	Insulated wire and cable, including magnet wire	X	12 946	X	8 531

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	335121, RESIDENTIAL ELECTRIC LIGHTING FIXTURE MFG—Con.				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	19 839	X	12 358
33299903	Metal poles	X	4 528	X	2 767
33200027	All other fabricated metal products (except forgings)	X	34 331	X	28 419
33210001	Forgings	X	881	X	N
33151001	Iron and steel castings (rough and semifinished)	X	10 461	X	4 524
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	16 657	X	6 414
33152003	Other nonferrous castings (rough and semifinished)	X	12 121	X	8 151
33120017	Steel sheet and strip, including tin plate	X	34 278	X	15 586
33120025	Steel wire and wire products	X	4 960	X	1 725
33120097	All other steel mill shapes and forms (except castings and forgings)	X	26 574	X	5 487
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	3 477	X	N
33131600	Aluminum and aluminum-base alloy extruded shapes, including extruded rod, bar, pipe, tube, etc.	X	7 021	X	N
33100049	Other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	13 923	X	N
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	5 679	X	N
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	8 429	X	N
33512100	Lamp shades	X	23 359	X	22 011
00970099	All other materials and components, parts, containers, and supplies	X	250 395	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	151 384	X	N
	335122, COMMERCIAL/INDUSTRIAL/INSTITUTIONAL ELECTRIC LIGHTING FIXTURE MFG				
33531100	Specialty transformers and fluorescent ballasts	X	546 146	X	466 878
33593101	Current-carrying wiring devices	X	88 612	X	60 286
33511001	Electric lamp bulbs	X	57 801	X	41 302
32721101	Flat glass (plate, float, and sheet)	X	10 196	X	9 198
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	15 737	X	24 507
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	66 287	X	40 288
32610011	Fabricated plastics products (except gaskets)	X	53 573	X	45 381
331000A7	Insulated wire and cable, including magnet wire	X	20 010	X	6 353
32221001	Paperboard containers, boxes, and corrugated paperboard	X	72 244	X	56 949
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	39 893	X	38 947
33299903	Metal poles	X	7 648	X	1 427
33200027	All other fabricated metal products (except forgings)	X	88 087	X	52 347
33210001	Forgings	X	—	N	N
33151001	Iron and steel castings (rough and semifinished)	X	5 865	X	14 267
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	49 303	X	28 391
33152003	Other nonferrous castings (rough and semifinished)	X	2 351	X	1 996
33120017	Steel sheet and strip, including tin plate	X	189 348	X	172 871
33120025	Steel wire and wire products	X	12 464	X	7 104
33120097	All other steel mill shapes and forms (except castings and forgings)	X	64 313	X	18 204
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	59 806	X	63 846
33131600	Aluminum and aluminum-base alloy extruded shapes, including extruded rod, bar, pipe, tube, etc.	X	D	X	20 750
33100049	Other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	1 720
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	8 025	X	884
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	3 315	X	N
33512100	Lamp shades	X	2 444	X	N
00970099	All other materials and components, parts, containers, and supplies	X	303 709	X	110 355
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	58 873	X	159 762
	335129, OTHER LIGHTING EQUIPMENT MFG				
33531100	Specialty transformers and fluorescent ballasts	X	77 613	X	64 388
33593101	Current-carrying wiring devices	X	44 517	X	N
33511001	Electric lamp bulbs	X	65 294	X	50 616
32721101	Flat glass (plate, float, and sheet)	X	14 835	X	11 266
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	23 061	X	9 696
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	16 722	X	12 884
32610011	Fabricated plastics products (except gaskets)	X	46 788	X	36 541
331000A7	Insulated wire and cable, including magnet wire	X	16 002	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	35 234	X	27 383
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	23 076	X	N
33299903	Metal poles	X	29 551	X	18 305
33200027	All other fabricated metal products (except forgings)	X	48 370	X	30 876
33210001	Forgings	X	—	X	N
33151001	Iron and steel castings (rough and semifinished)	X	42 527	X	3 680
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	75 179	X	57 782
33152003	Other nonferrous castings (rough and semifinished)	X	8 063	X	4 054
33120017	Steel sheet and strip, including tin plate	X	26 428	X	24 064
33120025	Steel wire and wire products	X	2 526	X	2 232
33120097	All other steel mill shapes and forms (except castings and forgings)	X	11 685	X	7 429
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	41 727	X	19 223
33131600	Aluminum and aluminum-base alloy extruded shapes, including extruded rod, bar, pipe, tube, etc.	X	62 228	X	40 775
33100049	Other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	5 225	X	6 023
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	6 532	X	N
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	3 758	X	N
00970099	All other materials and components, parts, containers, and supplies	X	311 974	X	7 748
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	181 991	X	N

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		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	335211, ELECTRIC HOUSEWARES & HOUSEHOLD FAN MFG				
332000AC	Metal stampings	X	26 574	X	N
33290011	Metal wire racks, grills, springs, and other fabricated nonelectric wire products (except forgings)	X	9 757	X	N
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	18 214	X	N
33200025	All other fabricated metal products (except forgings)	X	39 126	X	N
33210001	Forgings	X	D	X	N
33151001	Iron and steel castings (rough and semifinished)	X	D	X	N
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	21 580	X	N
33152003	Other nonferrous castings (rough and semifinished)	X	D	X	N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	D	X	N
33120017	Steel sheet and strip, including tin plate	X	81 678	X	N
33120033	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	15 416	X	N
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	28 483	X	N
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	853	X	N
33100087	Nonferrous wire and cable, including magnet wire, bare or insulated wire, etc.	X	28 771	X	N
33531219	Fractional horsepower electric motors and generators (less than 1 hp) including timing motors	X	81 891	X	N
33531221	Integral horsepower electric motors and generators (1 hp or more)	X	D	X	N
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies	X	69 208	X	N
001900B1	Electrical transmission, distribution, and control equipment	X	D	X	N
33593101	Current-carrying wiring devices	X	23 437	X	N
33451809	Timing mechanisms, except microprocessors	X	D	X	N
33451200	Automatic temperature controls (thermostats, regulators, etc.)	X	47 245	X	N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	13 006	X	N
32600017	Fabricated rubber products, except tires, tubes, hose, belting, and gaskets	X	4 463	X	N
32622001	Rubber and plastics hose and belting	X	1 610	X	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	63 058	X	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	82 607	X	N
33100095	Complete flexible cord sets	X	16 059	X	N
001900B7	Resistors, capacitors, transformers, electron tubes, semiconductors, and other electronic components	X	34 416	X	N
32799301	Mineral wool insulation (fibrous glass, rock wool, etc.)	X	4 044	X	N
00970099	All other materials and components, parts, containers, and supplies	X	315 451	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	239 023	X	N
	335212, HOUSEHOLD VACUUM CLEANER MFG				
332000AC	Metal stampings	X	16 807	X	N
33290011	Metal wire racks, grills, springs, and other fabricated nonelectric wire products (except forgings)	X	1 535	X	N
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	15 284	X	N
33200025	All other fabricated metal products (except forgings)	X	11 501	X	N
33210001	Forgings	X	—	X	N
33151001	Iron and steel castings (rough and semifinished)	X	D	X	N
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	D	X	N
33152003	Other nonferrous castings (rough and semifinished)	X	2 340	X	N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	D	X	N
33120017	Steel sheet and strip, including tin plate	X	D	X	N
33120033	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	19 515	X	N
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	1 277	X	N
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	N
33100087	Nonferrous wire and cable, including magnet wire, bare or insulated wire, etc.	X	D	X	N
33531219	Fractional horsepower electric motors and generators (less than 1 hp) including timing motors	X	53 340	X	N
33531221	Integral horsepower electric motors and generators (1 hp or more)	X	54 009	X	N
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies	X	58 223	X	N
001900B1	Electrical transmission, distribution, and control equipment	X	5 025	X	N
33593101	Current-carrying wiring devices	X	20 570	X	N
33451809	Timing mechanisms, except microprocessors	X	—	X	N
33451200	Automatic temperature controls (thermostats, regulators, etc.)	X	D	X	N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	4 794	X	N
32600017	Fabricated rubber products, except tires, tubes, hose, belting, and gaskets	X	D	X	N
32622001	Rubber and plastics hose and belting	X	27 835	X	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	52 274	X	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	117 823	X	N
33100095	Complete flexible cord sets	X	31 550	X	N
001900B7	Resistors, capacitors, transformers, electron tubes, semiconductors, and other electronic components	X	7 949	X	N
32799301	Mineral wool insulation (fibrous glass, rock wool, etc.)	X	D	X	N
00970099	All other materials and components, parts, containers, and supplies	X	362 680	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	82 999	X	N
	335221, HOUSEHOLD COOKING APPLIANCE MFG				
332000AC	Metal stampings	X	159 194	X	98 886
33290011	Metal wire racks, grills, springs, and other fabricated nonelectric wire products (except forgings)	X	51 124	X	36 458
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	19 310	X	20 524
33200025	All other fabricated metal products (except forgings)	X	21 697	X	29 894

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		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	335221, HOUSEHOLD COOKING APPLIANCE MFG—Con.				
33210001	Forgings	X	D	X	D
33151001	Iron and steel castings (rough and semifinished)	X	22 195	X	12 568
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	83 317	X	N
33152003	Other nonferrous castings (rough and semifinished)	X	D	X	N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	D	X	D
33120017	Steel sheet and strip, including tin plate	X	234 196	X	103 187
33120033	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	46 289	X	49 929
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	16 174	X	N
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	N
33100087	Nonferrous wire and cable, including magnet wire, bare or insulated wire, etc.	X	26 010	X	4 706
33531219	Fractional horsepower electric motors and generators (less than 1 hp) including timing motors	X	13 457	X	N
33531221	Integral horsepower electric motors and generators (1 hp or more)	X	D	X	N
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies	X	69 527	X	58 792
001900B1	Electrical transmission, distribution, and control equipment	X	D	X	48 971
33593101	Current-carrying wiring devices	X	D	X	34 033
33451809	Timing mechanisms, except microprocessors	X	95 317	X	12 791
33451200	Automatic temperature controls (thermostats, regulators, etc.)	X	40 285	X	28 773
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	48 534	X	27 836
32600017	Fabricated rubber products, except tires, tubes, hose, belting, and gaskets	X	5 576	X	4 552
32622001	Rubber and plastics hose and belting	X	8 054	X	6 000
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	26 761	X	28 761
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	4 833	X	3 259
33100095	Complete flexible cord sets	X	7 716	X	D
001900B7	Resistors, capacitors, transformers, electron tubes, semiconductors, and other electronic components	X	28 131	X	53 907
32799301	Mineral wool insulation (fibrous glass, rock wool, etc.)	X	33 667	X	12 216
00970099	All other materials and components, parts, containers, and supplies	X	297 000	X	354 207
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	250 506	X	336 071
	335222, HOUSEHOLD REFRIGERATOR & HOME FREEZER MFG				
001900A6	Refrigeration compressors, compressor units, condensing units, and other heat transfer equipment	X	435 216	X	343 722
33531209	Fractional horsepower electric timing motors, synchronous and subsynchronous (less than 1 hp)	X	34 999	X	N
33531223	Fractional horsepower electric motors (less than 1 hp), except timing motors	X	73 222	X	N
33531221	Integral horsepower electric motors and generators (1 hp or more)	X	D	X	N
33341200	Fans and blowers	X	D	X	D
001900B1	Electrical transmission, distribution, and control equipment	X	87 843	X	30 556
33593101	Current-carrying wiring devices	X	87 051	X	72 967
33451200	Automatic temperature controls (thermostats, regulators, etc.)	X	64 949	X	48 076
33299101	Ball and roller bearings (mounted or unmounted)	X	D	X	D
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	22 066	X	59 135
332000AC	Metal stampings	X	D	X	30 235
33251005	Metal hardware, including hinges, handles, locks, casters, etc.	X	27 629	X	37 827
33291901	Metal pipe, valves, and pipe fittings (except forgings)	X	D	X	N
33200053	All other fabricated metal products (except forgings)	X	56 411	X	N
33210001	Forgings	X	D	X	N
33151001	Iron and steel castings (rough and semifinished)	X	7 439	X	N
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	7 287	X	N
33152003	Other nonferrous castings (rough and semifinished)	X	D	X	N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	D	X	N
33120017	Steel sheet and strip, including tin plate	X	187 543	X	249 539
33120025	Steel wire and wire products	X	64 130	X	N
33120035	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	N
33142135	Copper and copper-base alloy pipe and tube (except castings, forgings, and fabricated metal products)	X	29 067	X	19 351
33142143	All other copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	15 209
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	20 282	X	20 640
33100055	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	N
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	N
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies	X	77 199	X	48 316
32192003	Wooden containers, complete (including combination wood and paperboard)	X	13 005	X	6 299
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	30 897	X	29 098
32510027	Refrigerant gases and other synthetic organic chemicals	X	101 318	X	90 161
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	156 821	X	139 746
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	173 392	X	44 641
32610007	Fabricated plastics products (except gaskets, hoses, and belting)	X	246 096	X	209 081
32622001	Rubber and plastics hose and belting	X	23 490	X	D
33999101	Gaskets (all types) and asbestos packing	X	40 484	X	41 634
32799301	Mineral wool insulation (fibrous glass, rock wool, etc.)	X	55 703	X	24 265
00970099	All other materials and components, parts, containers, and supplies	X	229 112	X	191 952
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	232 216	X	343 574

Table 1. Materials Consumed by Kind by Industry: 1997 and 1992—Con.

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	335224, HOUSEHOLD LAUNDRY EQUIPMENT MFG				
332000AC	Metal stampings	X	90 822	X	42 806
33290011	Metal wire racks, grills, springs, and other fabricated nonelectric wire products (except forgings)	X	5 471	X	8 831
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	48 780	X	40 073
33200025	All other fabricated metal products (except forgings)	X	D	X	34 555
33210001	Forgings	X	D	X	N
33151001	Iron and steel castings (rough and semifinished)	X	D	X	N
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	34 742	X	N
33152003	Other nonferrous castings (rough and semifinished)	X	D	X	N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	22 832	X	19 098
33120017	Steel sheet and strip, including tin plate	X	343 389	X	N
33120033	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	49 337	X	N
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	49 712	X	D
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	D
33100087	Nonferrous wire and cable, including magnet wire, bare or insulated wire, etc.	X	D	X	D
33531219	Fractional horsepower electric motors and generators (less than 1 hp) including timing motors	X	219 378	X	N
33531221	Integral horsepower electric motors and generators (1 hp or more)	X	D	X	29 914
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies	X	61 922	X	37 742
001900B1	Electrical transmission, distribution, and control equipment	X	D	X	49 368
33593101	Current-carrying wiring devices	X	D	X	D
33451809	Timing mechanisms, except microprocessors	X	95 907	X	72 886
33451200	Automatic temperature controls (thermostats, regulators, etc.)	X	43 034	X	42 509
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	57 165	X	46 335
32600017	Fabricated rubber products, except tires, tubes, hose, belting, and gaskets	X	D	X	D
32622001	Rubber and plastics hose and belting	X	41 282	X	46 193
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	120 633	X	67 631
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	58 632	X	29 318
33100095	Complete flexible cord sets	X	D	X	D
001900B7	Resistors, capacitors, transformers, electron tubes, semiconductors, and other electronic components	X	D	X	D
32799301	Mineral wool insulation (fibrous glass, rock wool, etc.)	X	D	X	D
00970099	All other materials and components, parts, containers, and supplies	X	157 863	X	142 403
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	45 823	X	4 550
	335228, OTHER MAJOR HOUSEHOLD APPLIANCE MFG				
332000AC	Metal stampings	X	39 516	X	N
33290011	Metal wire racks, grills, springs, and other fabricated nonelectric wire products (except forgings)	X	39 246	X	N
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	72 223	X	N
33200025	All other fabricated metal products (except forgings)	X	14 923	X	N
33210001	Forgings	X	D	X	N
33151001	Iron and steel castings (rough and semifinished)	X	D	X	N
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	D	X	N
33152003	Other nonferrous castings (rough and semifinished)	X	D	X	N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	D	X	N
33120017	Steel sheet and strip, including tin plate	X	180 961	X	N
33120033	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	13 941	X	N
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	14 533	X	N
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	N
33100087	Nonferrous wire and cable, including magnet wire, bare or insulated wire, etc.	X	16 693	X	N
33531219	Fractional horsepower electric motors and generators (less than 1 hp) including timing motors	X	96 467	X	N
33531221	Integral horsepower electric motors and generators (1 hp or more)	X	D	X	N
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies	X	48 112	X	N
001900B1	Electrical transmission, distribution, and control equipment	X	64 997	X	N
33593101	Current-carrying wiring devices	X	19 716	X	N
33451809	Timing mechanisms, except microprocessors	X	18 990	X	N
33451200	Automatic temperature controls (thermostats, regulators, etc.)	X	95 416	X	N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	19 378	X	N
32600017	Fabricated rubber products, except tires, tubes, hose, belting, and gaskets	X	721	X	N
32622001	Rubber and plastics hose and belting	X	14 505	X	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	66 443	X	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	61 320	X	N
33100095	Complete flexible cord sets	X	D	X	N
001900B7	Resistors, capacitors, transformers, electron tubes, semiconductors, and other electronic components	X	18 425	X	N
32799301	Mineral wool insulation (fibrous glass, rock wool, etc.)	X	27 985	X	N
00970099	All other materials and components, parts, containers, and supplies	X	171 190	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	251 961	X	N
	335311, POWER, DISTRIBUTION, & SPECIALTY TRANSFORMER MFG				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	35 501	X	N
33200095	Other fabricated metal products (except forgings)	X	80 045	X	N
33210001	Forgings	X	D	X	N

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	335311, POWER, DISTRIBUTION, & SPECIALTY TRANSFORMER MFG—Con.				
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	33 742	X	N
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	5 444	X	N
33500007	Electrical industrial capacitors, resistors, rheostats, and coil windings	X	167 778	X	N
33100035	Castings (rough and semifinished)	X	D	X	2 938
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	X	523 399	X	N
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	50 455	X	28 803
33100055	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	14 776	X	33 893
33100097	Magnet wire	X	242 954	X	117 042
331000A1	Insulated wire and cable, except magnet wire	X	33 607	X	40 862
32410003	Refined petroleum products (transformer oils, lubricating oils and greases, etc.)	X	75 312	X	59 608
32711301	Porcelain, steatite, and other ceramic electrical products	X	65 592	X	45 154
32210015	Paper and paperboard products except paperboard boxes, containers, and corrugated paperboard	X	52 137	X	53 563
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	24 197	X	16 798
33593101	Current-carrying wiring devices	X	68 156	X	41 138
00970099	All other materials and components, parts, containers, and supplies	X	265 079	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	306 511	X	N
	335312, MOTOR & GENERATOR MFG				
332000AC	Metal stampings	X	218 133	X	N
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	93 160	X	N
33200085	All other fabricated metal products (except forgings)	X	134 243	X	N
33210001	Forgings	X	25 355	X	N
33151001	Iron and steel castings (rough and semifinished)	X	129 730	X	N
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	99 213	X	N
33152003	Other nonferrous castings (rough and semifinished)	X	52 701	X	N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	151 171	X	N
33120017	Steel sheet and strip, including tin plate	X	601 555	X	N
33120025	Steel wire and wire products	X	26 194	X	N
33120015	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	101 295	X	N
33100093	Copper and copper-base alloy bare wire for electrical conduction only	X	36 074	X	N
33142105	Copper and copper-base alloy rod, bar, and mechanical wire, including extruded and/or drawn shapes	X	84 099	X	N
33142139	All other copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	25 921	X	N
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	82 895	X	N
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	14 228	X	N
33100097	Magnet wire	X	312 906	X	N
331000A3	Insulated copper wire and cable, except magnet wire	X	57 157	X	N
33131201	Primary aluminum and aluminum-base alloy refinery shapes	X	8 300	X	N
33361811	Diesel and semidiesel engines	X	D	X	N
33361805	Gasoline and other carburetor engines	X	D	X	N
33531211	Fractional horsepower electric motors (less than 1 hp)	X	109 906	X	N
33531221	Integral horsepower electric motors and generators (1 hp or more)	X	81 858	X	N
33299101	Ball and roller bearings (mounted or unmounted)	X	97 814	X	N
33361301	Plain bearings and bushings	X	45 917	X	N
33361200	Mechanical speed changers, gears, and industrial high-speed drives	X	20 653	X	N
33441300	Semiconductors, including transistors, diodes, rectifiers, and integrated circuits for electronic circuitry	X	104 065	X	N
33599105	Carbon brushes	X	22 661	X	N
32711303	Ceramic magnets (ferrite)	X	73 569	X	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	128 315	X	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	91 961	X	N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	32 705	X	N
33500007	Electrical industrial capacitors, resistors, rheostats, and coil windings	X	156 200	X	N
001900B1	Electrical transmission, distribution, and control equipment	X	89 588	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	40 118	X	N
00970099	All other materials and components, parts, containers, and supplies	X	660 769	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	1 123 865	X	N
	335313, SWITCHGEAR & SWITCHBOARD APPARATUS MFG				
332000A9	Sheet metal products, except stampings	X	45 648	X	40 877
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	85 353	X	73 096
33200087	All other fabricated metal products (except forgings)	X	145 119	X	89 227
33210001	Forgings	X	8 164	X	5 323
33100035	Castings (rough and semifinished)	X	51 494	X	38 201
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	41 924	X	21 995
33120017	Steel sheet and strip, including tin plate	X	149 684	X	136 134
33120019	Steel structural shapes and sheet piling (except castings, forgings, and fabricated metal products)	X	5 597	X	5 459
33120091	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	65 256	X	12 972
33140001	Nonferrous metal smelter and refinery shapes, including precious metal (except castings, forgings, & fabr. metal prods)	X	20 626	X	11 953
33100061	Aluminum and aluminum-base alloy shapes and forms (except wire, castings, forgings, and fabricated metal products)	X	50 718	X	36 332
33142123	Copper and copper-base alloy shapes and forms (except wire, castings, forgings, and fabricated metal products)	X	165 242	X	126 246
33100081	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	26 876	X	15 008

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		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	335313, SWITCHGEAR & SWITCHBOARD APPARATUS MFG—Con.				
33100087	Nonferrous wire and cable, including magnet wire, bare or insulated wire, etc.	X	51 527	X	50 988
33531401	Industrial electrical control equipment purchased from other companies	X	218 429	X	210 478
33531403	Industrial electrical control equipment received from other plants of the same company	X	407 428	X	165 208
32711301	Porcelain, stellite, and other ceramic electrical products	X	47 514	X	57 325
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	71 488	X	50 605
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	50 326	X	36 746
33531301	Switches, except snap, toggle and push, and circuit breakers	X	35 590	X	92 459
001900B5	Resistors, capacitors, transformers, and other electronic-type components, except electron tubes and semiconductors	X	84 892	X	91 488
33441200	Printed circuit boards (without inserted components) for electronic circuitry	X	25 597	X	N
001900B9	Semiconductors, microprocessors, memory, ASICs and power semiconductor devices	X	11 129	X	N
00970099	All other materials and components, parts, containers, and supplies	X	561 818	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	390 371	X	N
	335314, RELAY & INDUSTRIAL CONTROL MFG				
332000A9	Sheet metal products, except stampings	X	92 324	X	86 888
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	57 374	X	46 538
33200087	All other fabricated metal products (except forgings)	X	96 682	X	82 169
33210001	Forgings	X	1 696	X	3 582
33100035	Castings (rough and semifinished)	X	22 528	X	21 255
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	15 408	X	8 612
33120017	Steel sheet and strip, including tin plate	X	71 602	X	35 372
33120019	Steel structural shapes and sheet piling (except castings, forgings, and fabricated metal products)	X	D	X	3 931
33120091	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	7 441
33140001	Nonferrous metal smelter and refinery shapes, including precious metal (except castings, forgings, & fabr. metal prods)	X	20 942	X	19 829
33100061	Aluminum and aluminum-base alloy shapes and forms (except wire, castings, forgings, and fabricated metal products)	X	14 718	X	10 885
33142123	Copper and copper-base alloy shapes and forms (except wire, castings, forgings, and fabricated metal products)	X	25 933	X	30 770
33100081	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	24 386	X	5 866
33100087	Nonferrous wire and cable, including magnet wire, bare or insulated wire, etc.	X	59 140	X	32 667
33531401	Industrial electrical control equipment purchased from other companies	X	552 141	X	247 398
33531403	Industrial electrical control equipment received from other plants of the same company	X	495 593	X	257 752
32711301	Porcelain, stellite, and other ceramic electrical products	X	7 145	X	7 745
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	43 024	X	44 367
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	32 532	X	22 090
33531301	Switches, except snap, toggle and push, and circuit breakers	X	38 007	X	31 471
001900B5	Resistors, capacitors, transformers, and other electronic-type components, except electron tubes and semiconductors	X	236 066	X	407 762
33441200	Printed circuit boards (without inserted components) for electronic circuitry	X	134 074	X	N
001900B9	Semiconductors, microprocessors, memory, ASICs and power semiconductor devices	X	146 228	X	N
00970099	All other materials and components, parts, containers, and supplies	X	1 524 369	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	928 036	X	N
	335911, STORAGE BATTERY MFG				
332000AC	Metal stampings	X	10 168	X	N
33200073	All other fabricated metal products (except forgings)	X	61 438	X	N
33210001	Forgings	X	D	X	N
33151001	Iron and steel castings (rough and semifinished)	X	D	X	D
33152011	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	X	15 029	X	D
33141951	Refined unalloyed lead shapes and forms (except castings, forgings, and fabricated metal products)	X	434 281	X	277 237
33141953	Antimonial lead	X	276 636	X	177 272
33141955	Lead-calcium alloyed	X	198 170	X	86 335
33120017	Steel sheet and strip, including tin plate	X	34 483	X	D
33120083	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	D
33149105	Zinc and zinc-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	D
33100063	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	D
32513105	Litharge	X	58 730	X	43 098
32518803	Sulfuric acid (new and spent) (100 percent H2SO4)	X	32 195	X	24 809
325000B3	Other industrial inorganic chemicals (including mercury oxide and silver oxide)	X	49 617	X	21 284
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	D	X	D
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	71 993	X	38 601
32610011	Fabricated plastics products (except gaskets)	X	260 684	X	232 713
32221001	Paperboard containers, boxes, and corrugated paperboard	X	25 644	X	15 538
33599101	Carbon and graphite electrodes, and other carbon and graphite products for electrical use	X	462	X	D
00970099	All other materials and components, parts, containers, and supplies	X	358 280	X	245 966
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	130 650	X	165 355

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		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	335912, PRIMARY BATTERY MFG				
332000AC	Metal stampings	X	177 222	X	82 129
33200073	All other fabricated metal products (except forgings)	X	D	X	D
33210001	Forgings	X	—	X	D
33151001	Iron and steel castings (rough and semifinished)	X	—	X	N
33152011	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	X	D	X	D
33141951	Refined unalloyed lead shapes and forms (except castings, forgings, and fabricated metal products)	X	—	X	D
33141953	Antimonial lead	X	—	X	N
33141955	Lead-calcium alloyed	X	—	X	N
33120017	Steel sheet and strip, including tin plate	X	D	X	38 450
33120083	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	38 419	X	34 366
33149105	Zinc and zinc-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	115 522	X	56 046
33100063	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	D
32513105	Litharge	X	D	X	N
32518803	Sulfuric acid (new and spent) (100 percent H2SO4)	X	D	X	D
325000B3	Other industrial inorganic chemicals (including mercury oxide and silver oxide)	X	D	X	71 001
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	15 744	X	10 159
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	27 095	X	30 302
32610011	Fabricated plastics products (except gaskets)	X	D	X	8 404
32221001	Paperboard containers, boxes, and corrugated paperboard	X	65 721	X	48 375
33599101	Carbon and graphite electrodes, and other carbon and graphite products for electrical use	X	D	X	D
00970099	All other materials and components, parts, containers, and supplies	X	292 541	X	495 327
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	45 979	X	39 885
	335921, FIBER OPTIC CABLE MFG				
33122200	Bare steel wire	935.1	46 702	N	X
33120003	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	23.1	30 035	N	X
33142119	Copper and copper-base alloy wire for redrawing	D	D	N	X
33100091	Bare copper and copper-base alloy wire, electrical (except wire for redrawing)	D	D	N	X
331000A5	Insulated copper wire and cable	X	26 351	X	X
33142147	All other copper and copper-base alloy shapes and forms including wire bar	7.9	55 509	N	X
33100089	Bare aluminum and aluminum-base alloy wire, except for redrawing	D	D	N	X
33100071	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	D	D	N	X
33100079	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	5.4	12 504	N	X
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	9108.0	92 932	N	X
32521205	Synthetic rubber	D	D	N	X
32500029	All other chemicals and allied products	D	D	N	X
32721501	Optical fiber, data and nondata transmission	X	715 673	X	X
32799305	Fiberglass insulating materials	X	3 696	X	X
32700003	All other stone, clay, glass, and concrete products	X	D	X	X
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	13 984	X	X
31311103	Cotton yarns	2.8	13 402	N	X
33593105	Connectors	X	19 007	X	X
00970099	All other materials and components, parts, containers, and supplies	X	218 631	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	9 829	X	N
	335929, OTHER COMMUNICATION & ENERGY WIRE MFG				
33122200	Bare steel wire	14 763.1	35 639	N	N
33120003	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	4 514.7	92 733	N	N
33142127	Unalloyed copper and copper-base alloy rods	1 261.9	1 666 951	N	N
33142129	Alloyed copper and copper-base alloy rods	182.5	190 068	N	N
33142119	Copper and copper-base alloy wire for redrawing	9436.3	454 201	N	N
33100091	Bare copper and copper-base alloy wire, electrical (except wire for redrawing)	335.6	575 395	N	N
331000A5	Insulated copper wire and cable	X	149 415	X	N
33141101	Copper and copper-base alloy cathodes	124.8	260 751	N	N
33142147	All other copper and copper-base alloy shapes and forms including wire bar	187.9	312 618	N	N
33100051	Aluminum and aluminum-base alloy rods	238.7	209 251	N	N
33131900	Aluminum and aluminum-base alloy wire for redrawing	D	D	N	N
33100089	Bare aluminum and aluminum-base alloy wire, except for redrawing	P20.5	74 572	N	N
33100071	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	P55.3	182 736	N	N
33141941	Refined unalloyed tin shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	N
33100079	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	79.1	123 177	N	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	1 153.9	1 075 276	N	N
32521205	Synthetic rubber	53.7	86 234	N	N
32500029	All other chemicals and allied products	101.9	107 651	N	N
32721501	Optical fiber, data and nondata transmission	X	64 633	X	N
32799305	Fiberglass insulating materials	X	5 500	X	N
32700003	All other stone, clay, glass, and concrete products	X	5 446	X	N
11321001	Natural rubber	9.2	11 962	N	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	69 656	X	N
31311103	Cotton yarns	P.3	2 247	N	N
33593105	Connectors	X	40 807	X	N
00970099	All other materials and components, parts, containers, and supplies	X	1 363 564	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	1 983	X	N

Table 1. Materials Consumed by Kind by Industry: 1997 and 1992—Con.

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	335931, CURRENT-CARRYING WIRING DEVICE MFG				
332000AC	Metal stampings	X	86 626	X	77 092
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	112 521	X	71 124
33200085	All other fabricated metal products (except forgings)	X	65 916	X	19 426
33210001	Forgings	X	5 591	X	2 185
33151001	Iron and steel castings (rough and semifinished)	X	6 756	X	12 255
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	26 812	X	17 954
33152500	Copper and copper-base alloy castings (rough and semifinished)	X	11 828	X	18 210
33152009	Other nonferrous castings (rough and semifinished)	X	12 628	X	2 368
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	16 234	X	7 310
33120017	Steel sheet and strip, including tin plate	X	36 153	X	25 975
33120033	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	2 693	X	1 550
33142107	Copper and copper-base alloy rod, bar, and bar shapes (except castings, forgings, and fabricated metal products)	X	25 336	X	13 241
33142131	Copper and copper-base alloy plate, sheet, and strip, including military cups and discs	X	132 042	X	95 260
33142115	All other copper and copper-base alloy mill shapes and forms (including mechanical wire) (except castings and forgings)	X	26 112	X	20 383
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	42 756	X	25 811
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	14 285	X	18 492
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	120 720	X	107 037
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	94 729	X	64 030
33593101	Current-carrying wiring devices	X	88 320	X	76 919
33141901	Precious metals (gold, platinum, etc.), all forms, including ingot, sheet, strip, solder, plating, electrodes, etc.	X	62 326	X	54 620
331000A1	Insulated wire and cable, except magnet wire	X	45 369	X	45 619
33441300	Semiconductors, including transistors, diodes, rectifiers, and integrated circuits for electronic circuitry	X	56 707	X	74 337
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies.	X	35 459	X	21 796
00970099	All other materials and components, parts, containers, and supplies	X	567 573	X	239 469
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	306 843	X	301 241
	335932, NONCURRENT-CARRYING WIRING DEVICE MFG				
332000AC	Metal stampings	X	20 357	X	18 064
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	46 809	X	37 970
33200085	All other fabricated metal products (except forgings)	X	27 646	X	8 434
33210001	Forgings	X	D	X	1 325
33151001	Iron and steel castings (rough and semifinished)	X	39 862	X	46 685
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	58 109	X	48 231
33152500	Copper and copper-base alloy castings (rough and semifinished)	X	2 878	X	3 838
33152009	Other nonferrous castings (rough and semifinished)	X	12 137	X	9 204
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	56 875	X	52 918
33120017	Steel sheet and strip, including tin plate	X	438 824	X	225 134
33120033	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	125 649	X	156 943
33142107	Copper and copper-base alloy rod, bar, and bar shapes (except castings, forgings, and fabricated metal products)	X	36 788	X	N
33142131	Copper and copper-base alloy plate, sheet, and strip, including military cups and discs	X	D	X	N
33142115	All other copper and copper-base alloy mill shapes and forms (including mechanical wire) (except castings and forgings)	X	D	X	N
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	50 339	X	20 562
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	10 108	X	10 939
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	266 020	X	186 727
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	27 784	X	15 598
33593101	Current-carrying wiring devices	X	38 657	X	4 383
33141901	Precious metals (gold, platinum, etc.), all forms, including ingot, sheet, strip, solder, plating, electrodes, etc.	X	6 217	X	15 144
331000A1	Insulated wire and cable, except magnet wire	X	20 411	X	10 903
33441300	Semiconductors, including transistors, diodes, rectifiers, and integrated circuits for electronic circuitry	X	9 903	X	2 590
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies.	X	37 670	X	21 793
00970099	All other materials and components, parts, containers, and supplies	X	310 629	X	182 379
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	138 918	X	165 674
	335991, CARBON & GRAPHITE PRODUCT MFG				
33200081	Fabricated metal products (except forgings)	X	D	X	N
33210001	Forgings	X	—	X	N
33100035	Castings (rough and semifinished)	X	D	X	N
331000AJ	Nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	N
32519227	Pitch	X	D	X	N
32419900	Coke, petroleum coke, metallurgical coke, calcined coke, foundry coke, etc. used as raw material	X	50 848	X	33 548
32799213	Natural graphite	X	191 885	X	91 163
32799901	Artificial graphite	X	25 697	X	22 406
32799201	Carbon, ground or treated	X	27 111	X	28 140
00970099	All other materials and components, parts, containers, and supplies	X	43 406	X	13 108
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	489 621	X	N
			62 920	X	33 454
	335999, ALL OTHER MISCELLANEOUS ELECTRICAL EQUIPMENT & COMPONENT MFG				

Table 1. Materials Consumed by Kind by Industry: 1997 and 1992—Con.

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	335999, ALL OTHER MISCELLANEOUS ELECTRICAL EQUIPMENT & COMPONENT MFG—Con.				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	26 929	X	N
33210001	Forgings	X	D	X	N
33100035	Castings (rough and semifinished)	X	7 920	X	N
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	X	35 614	X	N
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	5 268	X	N
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	12 268	X	N
33531211	Fractional horsepower electric motors (less than 1 hp)	X	42 685	X	N
33422001	Electronic communication equipment	X	4 885	X	N
33599900	Automatic garage door controllers	X	D	X	N
00970099	All other materials and components, parts, containers, and supplies	X	1 614 710	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	1 073 150	X	N
	336111, AUTOMOBILE MFG				
33631200	Gasoline engines and parts specially designed for gasoline engines	X	10 536 759	X	N
33361803	Diesel engines and parts specially designed for diesel engines	X	D	X	N
33635007	Drive train components and parts	X	7 620 624	X	N
33621101	Car bodies	X	D	X	N
001900A6	Refrigeration compressors, compressor units, condensing units, and other heat transfer equipment	X	2 026 003	X	N
33633000	Shocks, struts, and other suspension equipment and parts	X	2 341 895	X	N
33639901	Exhaust systems and parts	X	1 130 261	X	N
33351501	Machine tool accessories, including cutting tools	X	D	X	N
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	X	266 241	X	N
33291207	Fluid power valves (hydraulic and pneumatic)	X	D	X	N
33399501	Fluid power cylinders and rotary actuators (hydraulic and pneumatic)	X	D	X	N
33291203	Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic)	X	186 439	X	N
33399901	Fluid power filters (hydraulic and pneumatic)	X	D	X	N
00190089	Other fluid power products (hydraulic and pneumatic)	X	335 400	X	N
33637000	Automotive stampings (including body parts, hubcaps, fenders, etc.)	X	7 117 895	X	N
33261100	Steel springs, except wire	X	170 801	X	N
33251011	Motor vehicle metal hardware (lock units, door and window handles, hinges, etc.), except forgings	X	1 060 386	X	N
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	574 259	X	N
33200049	Other fabricated metal products, except forgings	X	1 084 143	X	N
33210001	Forgings	X	D	X	N
33100035	Castings (rough and semifinished)	X	64 250	X	N
33100033	Metal shapes and forms, except castings, forgings, and fabricated metal products	X	D	X	N
33299101	Ball and roller bearings (mounted or unmounted)	X	65 814	X	N
32621003	Pneumatic tires and inner tubes	X	1 284 894	X	N
32622001	Rubber and plastics hose and belting	X	136 216	X	N
32600017	Fabricated rubber products, except tires, tubes, hose, belting, and gaskets	X	396 373	X	N
33999103	Gaskets (all types), and packing and sealing devices	X	D	X	N
32610033	Fabricated plastics products, including components, housings, accessories, etc. (except gaskets, hose and belting)	X	681 006	X	N
32720005	Glass and glass products including windows and mirrors	X	1 055 294	X	N
33636003	Seats (purchased separately) for automobiles, trucks, and buses	X	2 536 052	X	N
33636007	Seat covers, seat belts, and shoulder harnesses	X	399 926	X	N
33639911	Automotive air bag assemblies and parts thereof	X	1 097 884	X	N
33636001	Automotive trimmings, textile (panels, headliners, etc.)	X	1 949 771	X	N
31411003	Carpeting	X	258 784	X	N
32700035	Ceramic and ceramic composite parts, components, and accessories	X	D	X	N
32552003	Glues and adhesives	X	240 620	X	N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	605 840	X	N
33632200	Engine electrical equipment, including spark plugs, magnetos, generators, starters, etc.	X	1 217 588	X	N
33632100	Motor vehicle lighting fixtures (including headlights, taillights, running lights, and dome fixtures; except auto lamps)	X	976 009	X	N
33511003	Automotive lamps (bulbs and sealed beams)	X	483 231	X	N
33591103	Storage batteries, automotive	X	164 809	X	N
33431001	Automotive radios and loudspeakers	X	1 294 441	X	N
33451400	Motor vehicle clusters, meters, and gauges, except electrical (including speedometers, fuel level)	X	766 210	X	N
001900C1	Semiconductors and related devices and electronic control modules	X	963 257	X	N
33411103	Purchased computers for incorporation into motor vehicles, trucks, or buses	X	D	X	N
00970099	All other materials and components, parts, containers, and supplies	X	11 853 929	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	599 920	X	N
	336112, LIGHT TRUCK & UTILITY VEHICLE MFG				
33631200	Gasoline engines and parts specially designed for gasoline engines	X	10 867 605	X	N
33361803	Diesel engines and parts specially designed for diesel engines	X	D	X	N
33635007	Drive train components and parts	X	13 051 022	X	N
33621101	Car bodies	X	D	X	N
001900A6	Refrigeration compressors, compressor units, condensing units, and other heat transfer equipment	X	1 811 803	X	N
33633000	Shocks, struts, and other suspension equipment and parts	X	3 601 787	X	N
33639901	Exhaust systems and parts	X	1 291 015	X	N
33351501	Machine tool accessories, including cutting tools	X	D	X	N
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	X	156 967	X	N
33291207	Fluid power valves (hydraulic and pneumatic)	X	D	X	N
33399501	Fluid power cylinders and rotary actuators (hydraulic and pneumatic)	X	D	X	N
33291203	Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic)	X	D	X	N
33399901	Fluid power filters (hydraulic and pneumatic)	X	D	X	N
00190089	Other fluid power products (hydraulic and pneumatic)	X	D	X	N
33637000	Automotive stampings (including body parts, hubcaps, fenders, etc.)	X	9 707 741	X	N
33261100	Steel springs, except wire	X	732 197	X	N
33251011	Motor vehicle metal hardware (lock units, door and window handles, hinges, etc.), except forgings	X	D	X	N

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	336112, LIGHT TRUCK & UTILITY VEHICLE MFG—Con.				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	1 179 160	X	N
33200049	Other fabricated metal products, except forgings	X	1 278 150	X	N
33210001	Forgings	X	D	X	N
33100035	Castings (rough and semifinished)	X	—	X	N
33100033	Metal shapes and forms, except castings, forgings, and fabricated metal products	X	D	X	N
33299101	Ball and roller bearings (mounted or unmounted)	X	15 593	X	N
32621003	Pneumatic tires and inner tubes	X	2 139 371	X	N
32622001	Rubber and plastics hose and belting	X	D	X	N
32600017	Fabricated rubber products, except tires, tubes, hose, belting, and gaskets	X	D	X	N
33999103	Gaskets (all types), and packing and sealing devices	X	D	X	N
32610033	Fabricated plastics products, including components, housings, accessories, etc. (except gaskets, hose and belting)	X	308 198	X	N
32720005	Glass and glass products including windows and mirrors	X	1 323 694	X	N
33636003	Seats (purchased separately) for automobiles, trucks, and buses	X	2 955 253	X	N
33636007	Seat covers, seat belts, and shoulder harnesses	X	545 257	X	N
33639911	Automotive air bag assemblies and parts thereof	X	1 045 713	X	N
33636001	Automotive trimmings, textile (panels, headliners, etc.)	X	2 414 163	X	N
31411003	Carpeting	X	363 298	X	N
32700035	Ceramic and ceramic composite parts, components, and accessories	X	—	X	N
32552003	Glues and adhesives	X	310 254	X	N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	969 805	X	N
33632200	Engine electrical equipment, including spark plugs, magnetos, generators, starters, etc.	X	740 224	X	N
33632100	Motor vehicle lighting fixtures (including headlights, taillights, running lights, and dome fixtures; except auto lamps)	X	D	X	N
33511003	Automotive lamps (bulbs and sealed beams)	X	492 774	X	N
33591103	Storage batteries, automotive	X	162 297	X	N
33431001	Automotive radios and loudspeakers	X	1 516 452	X	N
33451400	Motor vehicle clusters, meters, and gauges, except electrical (including speedometers, fuel level)	X	D	X	N
33411103	Purchased computers for incorporation into motor vehicles, trucks, or buses	X	D	X	N
001900C1	Semiconductors and related devices and electronic control modules	X	D	X	N
00970099	All other materials and components, parts, containers, and supplies	X	2 610 796	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	2 077 977	X	N
	336120, HEAVY DUTY TRUCK MFG				
33631200	Gasoline engines and parts specially designed for gasoline engines	X	D	X	N
33631803	Diesel engines and parts specially designed for diesel engines	X	1 179 562	X	N
33635007	Drive train components and parts	X	724 290	X	N
33621101	Car bodies	X	D	X	N
001900A6	Refrigeration compressors, compressor units, condensing units, and other heat transfer equipment	X	55 155	X	N
33633000	Shocks, struts, and other suspension equipment and parts	X	60 031	X	N
33639901	Exhaust systems and parts	X	13 728	X	N
33351501	Machine tool accessories, including cutting tools	X	82	X	N
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	X	16 435	X	N
33291207	Fluid power valves (hydraulic and pneumatic)	X	1 299	X	N
33399501	Fluid power cylinders and rotary actuators (hydraulic and pneumatic)	X	1 424	X	N
33291203	Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic)	X	4 451	X	N
33399901	Fluid power filters (hydraulic and pneumatic)	X	1 542	X	N
00190089	Other fluid power products (hydraulic and pneumatic)	X	D	X	N
33637000	Automotive stampings (including body parts, hubcaps, fenders, etc.)	X	108 060	X	N
33261100	Steel springs, except wire	X	D	X	N
33251011	Motor vehicle metal hardware (lock units, door and window handles, hinges, etc.), except forgings	X	26 541	X	N
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	38 874	X	N
33200049	Other fabricated metal products, except forgings	X	38 085	X	N
33210001	Forgings	X	D	X	N
33100035	Castings (rough and semifinished)	X	D	X	N
33100033	Metal shapes and forms, except castings, forgings, and fabricated metal products	X	15 674	X	N
33299101	Ball and roller bearings (mounted or unmounted)	X	D	X	N
32621003	Pneumatic tires and inner tubes	X	68 809	X	N
32622001	Rubber and plastics hose and belting	X	4 964	X	N
32600017	Fabricated rubber products, except tires, tubes, hose, belting, and gaskets	X	D	X	N
33999103	Gaskets (all types), and packing and sealing devices	X	D	X	N
32610033	Fabricated plastics products, including components, housings, accessories, etc. (except gaskets, hose and belting)	X	8 844	X	N
32720005	Glass and glass products including windows and mirrors	X	15 893	X	N
33636003	Seats (purchased separately) for automobiles, trucks, and buses	X	46 582	X	N
33636007	Seat covers, seat belts, and shoulder harnesses	X	D	X	N
33639911	Automotive air bag assemblies and parts thereof	X	D	X	N
33636001	Automotive trimmings, textile (panels, headliners, etc.)	X	32 360	X	N
31411003	Carpeting	X	D	X	N
32700035	Ceramic and ceramic composite parts, components, and accessories	X	—	X	N
32552003	Glues and adhesives	X	D	X	N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	31 451	X	N
33632200	Engine electrical equipment, including spark plugs, magnetos, generators, starters, etc.	X	32 383	X	N
33632100	Motor vehicle lighting fixtures (including headlights, taillights, running lights, and dome fixtures; except auto lamps)	X	8 886	X	N
33511003	Automotive lamps (bulbs and sealed beams)	X	2 193	X	N
33591103	Storage batteries, automotive	X	13 438	X	N
33431001	Automotive radios and loudspeakers	X	10 910	X	N
33451400	Motor vehicle clusters, meters, and gauges, except electrical (including speedometers, fuel level)	X	28 183	X	N
001900C1	Semiconductors and related devices and electronic control modules	X	11 723	X	N
33411103	Purchased computers for incorporation into motor vehicles, trucks, or buses	X	D	X	N
00970099	All other materials and components, parts, containers, and supplies	X	2 079 833	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	5 178 999	X	N

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	336211, MOTOR VEHICLE BODY MFG				
33600001	Purchased chassis for vehicles (excluding passenger cars)	X	500 898	X	333 418
33621103	Truck bodies	X	57 412	X	38 829
33635003	Transmissions and parts	X	65 297	X	35 089
33600005	Axles, brakes, drums, rims, wheels, and other metal motor wheel parts	X	42 866	X	42 252
33621101	Car bodies	X	14 518	X	N
33633000	Shocks, struts, and other suspension equipment and parts	X	16 046	X	N
33637000	Automotive stampings (including body parts, hubcaps, fenders, etc.)	X	69 082	X	N
33251011	Motor vehicle metal hardware (lock units, door and window handles, hinges, etc.), except forgings	X	106 313	X	N
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	35 638	X	N
33200091	Other fabricated metal products, except forgings	X	100 875	X	N
33210001	Forgings	X	13 922	X	N
00190090	Fluid power products	X	125 009	X	72 778
32621003	Pneumatic tires and inner tubes	X	24 805	X	N
32610033	Fabricated plastics products, including components, housings, accessories, etc. (except gaskets, hose and belting)	X	16 730	X	N
32720005	Glass and glass products including windows and mirrors	X	26 009	X	N
33636003	Seats (purchased separately) for automobiles, trucks, and buses	X	33 732	X	N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	46 849	X	N
33632100	Motor vehicle lighting fixtures (including headlights, taillights, running lights, and dome fixtures; except auto lamps)	X	29 285	X	N
33511003	Automotive lamps (bulbs and sealed beams)	X	4 180	X	N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	99 598	X	N
33120017	Steel sheet and strip, including tin plate	X	204 831	X	N
33120019	Steel structural shapes and sheet piling (except castings, forgings, and fabricated metal products)	X	47 892	X	29 862
33120091	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	33 640	X	30 889
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	128 012	X	82 563
33131600	Aluminum and aluminum-base alloy extruded shapes, including extruded rod, bar, pipe, tube, etc.	X	45 908	X	54 257
33100049	Other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	14 500
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	2 828
32100019	Rough and dressed lumber	X	20 005	X	29 854
00970099	All other materials and components, parts, containers, and supplies	X	829 832	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	2 736 548	X	N
	336212, TRUCK TRAILER MFG				
33637000	Automotive stampings (including body parts, hubcaps, fenders, etc.)	X	D	X	N
33251011	Motor vehicle metal hardware (lock units, door and window handles, hinges, etc.), except forgings	X	9 386	X	10 750
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	34 896	X	43 336
33200091	Other fabricated metal products, except forgings	X	79 950	X	N
33210001	Forgings	X	2 603	X	2 213
33100035	Castings (rough and semifinished)	X	13 917	X	4 976
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	106 850	X	58 409
33120017	Steel sheet and strip, including tin plate	X	98 836	X	86 381
33120019	Steel structural shapes and sheet piling (except castings, forgings, and fabricated metal products)	X	50 678	X	33 939
33120091	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	77 548	X	21 208
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	284 296	X	183 513
33131600	Aluminum and aluminum-base alloy extruded shapes, including extruded rod, bar, pipe, tube, etc.	X	282 385	X	163 132
33100049	Other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	36 737	X	7 086
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	2 846	X	252
33600001	Purchased chassis for vehicles (excluding passenger cars)	X	9 371	X	16 597
33621103	Truck bodies	X	4 879	X	D
33635003	Transmissions and parts	X	3 512	X	D
33633000	Shocks, struts, and other suspension equipment and parts	X	147 788	X	86 769
33600005	Axles, brakes, drums, rims, wheels, and other metal motor wheel parts	X	346 494	X	264 931
32621003	Pneumatic tires and inner tubes	X	320 024	X	223 158
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	86 294	X	33 901
32720005	Glass and glass products including windows and mirrors	X	D	X	D
32100019	Rough and dressed lumber	X	235 950	X	95 655
00190090	Fluid power products	X	38 804	X	19 197
33632100	Motor vehicle lighting fixtures (including headlights, taillights, running lights, and dome fixtures; except auto lamps)	X	22 900	X	20 111
33511003	Automotive lamps (bulbs and sealed beams)	X	1 752	X	D
33636003	Seats (purchased separately) for automobiles, trucks, and buses	X	D	X	D
32610033	Fabricated plastics products, including components, housings, accessories, etc. (except gaskets, hose and belting)	X	5 018	X	12 477
00970099	All other materials and components, parts, containers, and supplies	X	916 035	X	404 938
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	248 988	X	291 598
	336213, MOTOR HOME MFG				
33600003	Trailer axles, wheels, brakes, undercarriages, and other metal vehicular parts	X	160 079	X	96 566
32621003	Pneumatic tires and inner tubes	X	14 218	X	D
33612000	Purchased chassis for motor homes	X	937 693	X	533 666
001900B2	Household appliances, including refrigerators, cooking equipment, and other household appliances, exc. air conditioners	X	118 833	X	73 364
001900A7	Air-conditioning equipment	X	41 848	X	24 339
33341401	Metal heating equipment (except electric)	X	19 280	X	10 096
33232101	Metal doors and door units, windows and window units	X	41 735	X	25 448
33291300	Metal plumbing fixtures, fittings, and trim (including enameled) (except forgings)	X	26 314	X	9 993
332000A9	Sheet metal products, except stampings	X	36 437	X	16 964

Table 1. Materials Consumed by Kind by Industry: 1997 and 1992—Con.

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	336213, MOTOR HOME MFG—Con.				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	12 241	X	N
33200083	Other fabricated metal products, except forgings	X	9 683	X	N
33210001	Forgings	X	D	X	N
33100035	Castings (rough and semifinished)	X	D	X	D
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	X	44 873	X	15 380
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	37 559	X	N
33100055	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	N
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	5 791	X	N
33593101	Current-carrying wiring devices	X	84 220	X	47 605
32121003	Plywood	X	79 195	X	41 865
32100021	Dressed lumber	X	55 239	X	37 947
00190099	Millwork, wood (including wood doors, window sash, moldings, and cabinets)	X	75 862	X	31 338
32720005	Glass and glass products including windows and mirrors	X	35 418	X	15 047
32610011	Fabricated plastics products (except gaskets)	X	33 827	X	23 393
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	18 750	X	23 415
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	13 517	X	8 719
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	35 290	X	8 857
31411003	Carpeting	X	38 135	X	21 735
31412100	Curtains and draperies	X	44 197	X	17 657
00190075	Molded composites	X	62 331	X	N
00970099	All other materials and components, parts, containers, and supplies	X	327 970	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	204 574	X	501 971
	336214, TRAVEL TRAILER & CAMPER MFG				
33600003	Trailer axles, wheels, brakes, undercarriages, and other metal vehicular parts	X	253 416	X	N
32621003	Pneumatic tires and inner tubes	X	82 155	X	N
33612000	Purchased chassis for motor homes	X	33 983	X	N
001900B2	Household appliances, including refrigerators, cooking equipment, and other household appliances, exc. air conditioners	X	121 082	X	N
001900A7	Air-conditioning equipment	X	43 445	X	N
33210001	Forgings	X	D	X	N
33100035	Castings (rough and semifinished)	X	D	X	N
33200081	Fabricated metal products (except forgings)	X	274 320	X	N
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	X	153 568	X	N
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	121 334	X	N
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	3 800	X	N
33593101	Current-carrying wiring devices	X	42 236	X	N
32720005	Glass and glass products including windows and mirrors	X	77 642	X	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	29 206	X	N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	51 058	X	N
31411003	Carpeting	X	28 821	X	N
31412100	Curtains and draperies	X	28 543	X	N
00970099	All other materials and components, parts, containers, and supplies	X	732 511	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	584 587	X	N
	336311, CARBURETOR, PISTON, PISTON RING, & VALVE MFG				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	51 501	X	37 964
33200095	Other fabricated metal products (except forgings)	X	31 984	X	49 119
33151001	Iron and steel castings (rough and semifinished)	X	77 362	X	68 201
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	243 996	X	157 628
33152003	Other nonferrous castings (rough and semifinished)	X	D	X	4 276
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	53 011	X	65 625
33120085	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	120 061	X	N
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	58 143	X	45 679
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	7 938	X	5 100
00190003	Flexible packaging materials	X	389	X	384
33999103	Gaskets (all types), and packing and sealing devices	X	9 156	X	8 482
00970099	All other materials and components, parts, containers, and supplies	X	231 435	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	50 522	X	36 390
	336312, GASOLINE ENGINE & ENGINE PARTS MFG				
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	X	D	X	N
33291207	Fluid power valves (hydraulic and pneumatic)	X	D	X	N
33399501	Fluid power cylinders and rotary actuators (hydraulic and pneumatic)	X	D	X	N
33291203	Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic)	X	D	X	N
33399901	Fluid power filters (hydraulic and pneumatic)	X	D	X	N
00190089	Other fluid power products (hydraulic and pneumatic)	X	D	X	N
33637000	Automotive stampings (including body parts, hubcaps, fenders, etc.)	X	345 968	X	N
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	530 646	X	N
33200019	Other fabricated metal products, except fluid power and forgings	X	2 378 644	X	N
33210001	Forgings	X	D	X	N

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	336312, GASOLINE ENGINE & ENGINE PARTS MFG—Con.				
33151001	Iron and steel castings (rough and semifinished)	X	2 968 701	X	N
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	941 482	X	N
33152003	Other nonferrous castings (rough and semifinished)	X	D	X	N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	268 524	X	N
33120017	Steel sheet and strip, including tin plate	X	162 045	X	N
33120033	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	69 640	X	N
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	21 405	X	N
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	183 771	X	N
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	166 239	X	N
33299105	Ball bearings (mounted or unmounted)	X	161 887	X	N
33299103	Roller bearings (mounted or unmounted)	X	38 914	X	N
32610011	Fabricated plastics products (except gaskets)	X	154 227	X	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	36 449	X	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	43 125	X	N
32600017	Fabricated rubber products, except tires, tubes, hose, belting, and gaskets	X	73 678	X	N
32622001	Rubber and plastics hose and belting	X	87 470	X	N
32500023	Ceramic raw materials, including powders, chemicals, and fibers (excluding refractory uses)	X	43 091	X	N
32700035	Ceramic and ceramic composite parts, components, and accessories	X	19 277	X	N
33999103	Gaskets (all types), and packing and sealing devices	X	83 677	X	N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	5 032	X	N
32552003	Glues and adhesives	X	12 781	X	N
00190003	Flexible packaging materials	X	5 090	X	N
32220015	Paper and paperboard containers	X	29 243	X	N
33632200	Engine electrical equipment, including spark plugs, magnetos, generators, starters, etc.	X	1 053 675	X	N
001900B7	Resistors, capacitors, transformers, electron tubes, semiconductors, and other electronic components	X	555 811	X	N
00999826	Core parts purchased for use in remanufacturing or rebuilding	X	71 632	X	N
00970099	All other materials and components, parts, containers, and supplies	X	1 590 317	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	2 700 239	X	N
	336321, VEHICULAR LIGHTING EQUIPMENT MFG				
33531100	Specialty transformers and fluorescent ballasts	X	4 127	X	6 640
33593101	Current-carrying wiring devices	X	89 003	X	22 802
33511001	Electric lamp bulbs	X	96 831	X	91 022
32721101	Flat glass (plate, float, and sheet)	X	1 496	X	D
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	287 587	X	144 633
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	24 605	X	14 857
32610011	Fabricated plastics products (except gaskets)	X	138 778	X	173 688
331000A7	Insulated wire and cable, including magnet wire	X	25 438	X	10 193
32221001	Paperboard containers, boxes, and corrugated paperboard	X	62 270	X	23 365
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	50 374	X	25 247
33299903	Metal poles	X	D	X	D
33200027	All other fabricated metal products (except forgings)	X	35 669	X	18 229
33210001	Forgings	X	D	X	N
33151001	Iron and steel castings (rough and semifinished)	X	D	X	5 862
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	4 830	X	1 953
33152003	Other nonferrous castings (rough and semifinished)	X	D	X	D
33120017	Steel sheet and strip, including tin plate	X	8 407	X	5 215
33120025	Steel wire and wire products	X	D	X	D
33120097	All other steel mill shapes and forms (except castings and forgings)	X	D	X	1 080
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	3 578	X	D
33131600	Aluminum and aluminum-base alloy extruded shapes, including extruded rod, bar, pipe, tube, etc.	X	5 289	X	D
33100049	Other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	D
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	817	X	1 285
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	335	X	621
33512100	Lamp shades	X	D	X	D
00970099	All other materials and components, parts, containers, and supplies	X	566 128	X	323 806
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	66 844	X	58 398
	336322, OTHER MOTOR VEHICLE ELECTRICAL & ELECTRONIC EQUIPMENT MFG				
32721203	Tube blanks	X	—	N	N
33441200	Printed circuit boards (without inserted components) for electronic circuitry	X	301 117	X	N
001900C4	Printed circuit assemblies, loaded boards or modules (printed circuit boards with inserted electronic components)	X	D	X	N
33441300	Semiconductors, including transistors, diodes, rectifiers, and integrated circuits for electronic circuitry	X	844 372	X	N
33441400	Capacitors for electronic circuitry	X	155 570	X	N
33441500	Resistors for electronic circuitry	X	116 689	X	N
001900D3	Other components and accessories for electronic circuitry, n.e.c., except tubes	X	214 167	X	N
32518835	Silicon, hyperpure	X	—	N	N
33141911	Gold and other precious metals, all forms (including ingot, sheet, strip, solder, plating, electrodes, etc.)	X	31	X	N
33141917	Doped chemicals, and other doped materials for electronic use	X	—	N	N
33111107	Ferrites (powder and paste)	X	—	N	N
331000AA	Metal powders	X	—	N	N
33410001	Electronic computing equipment	X	43	X	N
33593101	Current-carrying wiring devices	X	83 083	X	N
33422001	Electronic communication equipment	X	D	X	N

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		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	336322, OTHER MOTOR VEHICLE ELECTRICAL & ELECTRONIC EQUIPMENT MFG—Con.				
33451501	Electrical instrument mechanisms and meter movements (including instrument relays)	X	660	X	N
33331401	Optical instruments and lenses (except sighting, tracking, and fire control)	X	—	N	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	179 554	X	N
32610011	Fabricated plastics products (except gaskets)	X	439 335	X	N
332000A9	Sheet metal products, except stampings	X	101	X	N
332000AC	Metal stampings	X	4 518	X	N
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	374 618	X	N
33200033	Other fabricated metal products (except forgings)	X	D	X	N
33210001	Forgings	X	D	X	N
33100035	Castings (rough and semifinished)	X	D	X	N
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	X	145 620	X	N
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	315 636	X	N
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	21 380	X	N
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	N
331000A7	Insulated wire and cable, including magnet wire	X	2 364	X	N
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies	X	930	X	N
33141957	Silicon chips	X	D	X	N
32599217	Masks	X	—	N	N
32512005	Commodity gases	X	D	X	N
32611305	Resists (photosensitive resin films applied to the surface of a wafer)	X	D	X	N
32518843	Speciality gases	X	—	N	N
33200095	Other fabricated metal products (except forgings)	X	60 793	X	N
33151001	Iron and steel castings (rough and semifinished)	X	25 476	X	N
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	65 041	X	N
33152003	Other nonferrous castings (rough and semifinished)	X	1 399	X	N
33100075	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	39 394	X	30 388
33100099	Insulated wire and cable (except magnet wire)	X	99 309	X	108 652
33100097	Magnet wire	X	53 726	X	48 374
33299101	Ball and roller bearings (mounted or unmounted)	X	42 565	X	37 242
33361200	Mechanical speed changers, gears, and industrial high-speed drives	X	D	X	34 114
32221001	Paperboard containers, boxes, and corrugated paperboard	X	50 441	X	35 243
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	27 649	X	N
32610007	Fabricated plastics products (except gaskets, hoses, and belting)	X	197 179	X	60 668
32600017	Fabricated rubber products, except tires, tubes, hose, belting, and gaskets	X	134 383	X	N
00190033	Used engine electrical equipment for rebuilding, or to be used in rebuilding (starting motors, generators, etc.)	X	127 398	X	79 027
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	X	D	X	N
33291207	Fluid power valves (hydraulic and pneumatic)	X	D	X	N
33399501	Fluid power cylinders and rotary actuators (hydraulic and pneumatic)	X	D	X	N
33291203	Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic)	X	D	X	N
33399901	Fluid power filters (hydraulic and pneumatic)	X	D	X	N
00190089	Other fluid power products (hydraulic and pneumatic)	X	—	N	N
33637000	Automotive stampings (including body parts, hubcaps, fenders, etc.)	X	55 569	X	N
33200019	Other fabricated metal products, except fluid power and forgings	X	27 597	X	N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	11 970	X	N
33120017	Steel sheet and strip, including tin plate	X	40 026	X	N
33120033	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	15 776	X	N
33299105	Ball bearings (mounted or unmounted)	X	11 951	X	N
33299103	Roller bearings (mounted or unmounted)	X	D	X	N
32622001	Rubber and plastics hose and belting	X	3 368	X	N
32500023	Ceramic raw materials, including powders, chemicals, and fibers (excluding refractory uses)	X	D	X	N
32700035	Ceramic and ceramic composite parts, components, and accessories	X	D	X	N
33999103	Gaskets (all types), and packing and sealing devices	X	4 676	X	N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	9 787	X	N
32552003	Glues and adhesives	X	4 248	X	N
00190003	Flexible packaging materials	X	D	X	N
32220015	Paper and paperboard containers	X	17 146	X	N
33632200	Engine electrical equipment, including spark plugs, magnetos, generators, starters, etc.	X	588 015	X	N
001900B7	Resistors, capacitors, transformers, electron tubes, semiconductors, and other electronic components	X	656 627	X	N
00999826	Core parts purchased for use in remanufacturing or rebuilding	X	33 529	X	N
00970099	All other materials and components, parts, containers, and supplies	X	1 015 934	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	1 530 973	X	N
	336330, MOTOR VEHICLE STEERING & SUSPENSION COMPONENT (EXCEPT SPRING) MFG				
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	X	D	X	N
33291207	Fluid power valves (hydraulic and pneumatic)	X	D	X	N
33399501	Fluid power cylinders and rotary actuators (hydraulic and pneumatic)	X	D	X	N
33291203	Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic)	X	D	X	N
33399901	Fluid power filters (hydraulic and pneumatic)	X	D	X	N
00190089	Other fluid power products (hydraulic and pneumatic)	X	D	X	N
33637000	Automotive stampings (including body parts, hubcaps, fenders, etc.)	X	280 490	X	N
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	123 850	X	N
33200019	Other fabricated metal products, except fluid power and forgings	X	397 398	X	N
33210001	Forgings	X	184 635	X	N

Table 1. Materials Consumed by Kind by Industry: 1997 and 1992—Con.

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	336330, MOTOR VEHICLE STEERING & SUSPENSION COMPONENT (EXCEPT SPRING) MFG—Con.				
33151001	Iron and steel castings (rough and semifinished)	X	377 459	X	N
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	287 185	X	N
33152003	Other nonferrous castings (rough and semifinished)	X	D	X	N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	553 492	X	N
33120017	Steel sheet and strip, including tin plate	X	171 902	X	N
33120033	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	237 988	X	N
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	N
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	N
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	N
33299105	Ball bearings (mounted or unmounted)	X	33 905	X	N
		X	116 986	X	N
33299103	Roller bearings (mounted or unmounted)	X	77 128	X	N
32610011	Fabricated plastics products (except gaskets)	X	82 912	X	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	33 903	X	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	34 674	X	N
32600017	Fabricated rubber products, except tires, tubes, hose, belting, and gaskets	X	155 647	X	N
32622001	Rubber and plastics hose and belting	X	74 154	X	N
32500023	Ceramic raw materials, including powders, chemicals, and fibers (excluding refractory uses)	X	D	X	N
32700035	Ceramic and ceramic composite parts, components, and accessories	X	D	X	N
33999103	Gaskets (all types), and packing and sealing devices	X	26 421	X	N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	39 037	X	N
32552003	Glues and adhesives	X	6 768	X	N
00190003	Flexible packaging materials	X	D	X	N
32220015	Paper and paperboard containers	X	38 418	X	N
33632200	Engine electrical equipment, including spark plugs, magnetos, generators, starters, etc.	X	D	X	N
001900B7	Resistors, capacitors, transformers, electron tubes, semiconductors, and other electronic components	X	D	X	N
00999826	Core parts purchased for use in remanufacturing or rebuilding	X	19 930	X	N
00970099	All other materials and components, parts, containers, and supplies	X	130 276	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	670 131	X	N
			207 212	X	N
	336340, MOTOR VEHICLE BRAKE SYSTEM MFG				
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	X	D	X	N
33291207	Fluid power valves (hydraulic and pneumatic)	X	D	X	N
33399501	Fluid power cylinders and rotary actuators (hydraulic and pneumatic)	X	D	X	N
33291203	Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic)	X	D	X	N
33399901	Fluid power filters (hydraulic and pneumatic)	X	D	X	N
00190089	Other fluid power products (hydraulic and pneumatic)	X	D	X	N
33637000	Automotive stampings (including body parts, hubcaps, fenders, etc.)	X	303 036	X	N
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	435 159	X	N
33200019	Other fabricated metal products, except fluid power and forgings	X	276 189	X	N
33210001	Forgings	X	48 520	X	N
33151001	Iron and steel castings (rough and semifinished)	X	935 083	X	N
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	185 700	X	N
33152003	Other nonferrous castings (rough and semifinished)	X	D	X	N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	58 556	X	N
33120017	Steel sheet and strip, including tin plate	X	118 545	X	N
33120033	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	23 217	X	N
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	7 064	X	N
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	17 413	X	N
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	24 036	X	N
33299105	Ball bearings (mounted or unmounted)	X	D	X	N
33299103	Roller bearings (mounted or unmounted)	X	D	X	N
32610011	Fabricated plastics products (except gaskets)	X	190 897	X	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	24 900	X	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	14 132	X	N
32600017	Fabricated rubber products, except tires, tubes, hose, belting, and gaskets	X	149 270	X	N
32622001	Rubber and plastics hose and belting	X	20 692	X	N
32500023	Ceramic raw materials, including powders, chemicals, and fibers (excluding refractory uses)	X	101 091	X	N
32700035	Ceramic and ceramic composite parts, components, and accessories	X	D	X	N
33999103	Gaskets (all types), and packing and sealing devices	X	24 353	X	N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	17 240	X	N
32552003	Glues and adhesives	X	2 959	X	N
00190003	Flexible packaging materials	X	10 076	X	N
32220015	Paper and paperboard containers	X	31 390	X	N
33632200	Engine electrical equipment, including spark plugs, magnetos, generators, starters, etc.	X	D	X	N
001900B7	Resistors, capacitors, transformers, electron tubes, semiconductors, and other electronic components	X	D	X	N
00999826	Core parts purchased for use in remanufacturing or rebuilding	X	112 301	X	N
00970099	All other materials and components, parts, containers, and supplies	X	869 549	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	482 033	X	N
	336350, MOTOR VEHICLE TRANSMISSION & POWER TRAIN PARTS MFG				

Table 1. Materials Consumed by Kind by Industry: 1997 and 1992—Con.

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	336350, MOTOR VEHICLE TRANSMISSION & POWER TRAIN PARTS MFG—Con.				
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	X	D	X	N
33291207	Fluid power valves (hydraulic and pneumatic)	X	D	X	N
33399501	Fluid power cylinders and rotary actuators (hydraulic and pneumatic)	X	D	X	N
33291203	Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic)	X	D	X	N
33399901	Fluid power filters (hydraulic and pneumatic)	X	D	X	N
00190089	Other fluid power products (hydraulic and pneumatic)	X	D	X	N
33637000	Automotive stampings (including body parts, hubcaps, fenders, etc.)	X	D	X	N
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	595 888	X	N
33200019	Other fabricated metal products, except fluid power and forgings	X	399 463	X	N
33210001	Forgings	X	3 102 433	X	N
33151001	Iron and steel castings (rough and semifinished)	X	1 352 117	X	N
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	2 590 475	X	N
33152003	Other nonferrous castings (rough and semifinished)	X	1 533 356	X	N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	267 904	X	N
33120017	Steel sheet and strip, including tin plate	X	585 776	X	N
33120033	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	410 248	X	N
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	736 574	X	N
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	12 908	X	N
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	452 932	X	N
33299105	Ball bearings (mounted or unmounted)	X	48 202	X	N
33299103	Roller bearings (mounted or unmounted)	X	213 531	X	N
32610011	Fabricated plastics products (except gaskets)	X	368 526	X	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	58 458	X	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	8 596	X	N
32600017	Fabricated rubber products, except tires, tubes, hose, belting, and gaskets	X	28 456	X	N
32622001	Rubber and plastics hose and belting	X	27 288	X	N
32500023	Ceramic raw materials, including powders, chemicals, and fibers (excluding refractory uses)	X	21 779	X	N
32700035	Ceramic and ceramic composite parts, components, and accessories	X	D	X	N
33999103	Gaskets (all types), and packing and sealing devices	X	D	X	N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	113 884	X	N
32552003	Glues and adhesives	X	10 779	X	N
00190003	Flexible packaging materials	X	30 636	X	N
32220015	Paper and paperboard containers	X	5 130	X	N
33632200	Engine electrical equipment, including spark plugs, magnetos, generators, starters, etc.	X	40 526	X	N
001900B7	Resistors, capacitors, transformers, electron tubes, semiconductors, and other electronic components	X	129 922	X	N
00999826	Core parts purchased for use in remanufacturing or rebuilding	X	111 482	X	N
00970099	All other materials and components, parts, containers, and supplies	X	632 526	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	2 097 317	X	N
			841 046	X	N
	336360, MOTOR VEHICLE SEATING & INTERIOR TRIM MFG				
31321013	Polyester broadwoven fabrics (piece goods) mil sq yd..	94.8	194 830	N	N
31321003	Cotton broadwoven fabrics (piece goods) mil sq yd..	D	D	N	N
31321009	Rayon and acetate broadwoven fabrics (piece goods) mil sq yd..	D	D	N	N
31321021	Other broadwoven fabrics (piece goods) mil sq yd..	S	704 517	N	N
31322103	Narrow fabrics (12 inches or less in width) mil sq yd..	D	D	N	N
31311003	Yarn, all fibers mil lb..	D	10 604	N	N
31332001	Plastics coated, impregnated, or laminated fabrics mil sq yd..	S	773 140	N	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc. mil lb..	S	382 127	N	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	181 899	X	N
332000AC	Metal stampings	X	404 315	X	N
33200043	All other fabricated metal products (except castings and forgings)	X	488 145	X	N
33210001	Forgings	X	D	X	N
33100035	Castings (rough and semifinished)	X	8 742	X	N
33120017	Steel sheet and strip, including tin plate	X	15 577	X	N
33120083	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	114 331	X	N
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	17 584	X	N
33100055	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	420	X	N
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	N
32100025	Hardwood lumber, rough and dressed	X	8 501	X	N
32100031	Softwood lumber, rough and dressed	X	D	X	N
00190097	Hardwood dimension and parts, including wood furniture frames	X	D	X	N
32121105	Hardwood veneer	X	—	X	N
32121101	Hardwood plywood	X	834	X	N
32121201	Softwood plywood	X	2 688	X	N
32121903	Particleboard (wood)	X	246	X	N
32121907	Medium density fiberboard (MDF)	X	D	X	N
32121909	Hardboard	X	D	X	N
32613001	Plastics laminated sheets	X	D	X	N
32619909	Plastics furniture parts and components	X	91 497	X	N
32615000	Formed and slab stock for pillows, cushions, seating, etc. (urethane)	X	353 127	X	N
32552001	Adhesives and sealants	X	D	X	N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	2 970	X	N
33251001	Furniture and builders' hardware, including cabinet hardware, casters, glides, handles, hinges, locks, etc.	X	57 960	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	78 239	X	N
00970099	All other materials and components, parts, containers, and supplies	X	2 189 129	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	1 174 101	X	N

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	336370, MOTOR VEHICLE METAL STAMPING				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	354 859	X	210 676
33200095	Other fabricated metal products (except forgings)	X	844 168	X	845 289
33151001	Iron and steel castings (rough and semifinished)	X	107 703	X	31 778
33152011	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	X	4 658	X	10 001
33210001	Forgings	X	D	X	N
33120071	Steel bars and bar shapes (except castings, forgings, and fabricated metal products)	X	28 276	X	67 696
33120017	Steel sheet and strip, including tin plate	98 982.2	6 096 450	P6 831.4	4 313 752
33120079	Steel plate	X	15 459	X	8 367
33120025	Steel wire and wire products	X	34 093	X	32 438
33120013	Steel tinplate, tin free steel, terneplate, and blackplate	41.1	27 123	S	11 210
33120027	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	1 231 941	X	326 224
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	74 861	X	25 505
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	120 991	X	85 167
33131600	Aluminum and aluminum-base alloy extruded shapes, including extruded rod, bar, pipe, tube, etc.	X	34 365	X	4 049
33100049	Other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	24 677	X	13 446
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	20 208	X	16 493
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	37 341	X	31 791
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	23 976	X	16 322
32500051	All other chemicals and allied products	X	32 378	X	20 075
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	39 620	X	32 157
32221001	Paperboard containers, boxes, and corrugated paperboard	X	65 744	X	46 471
32200007	Other paper and paperboard products	X	1 972	X	9 420
33510000	Special dies, tools, die sets, jigs, and fixtures, except cutting tools for machine tools	X	211 401	X	287 628
00970099	All other materials and components, parts, containers, and supplies	X	1 270 877	X	904 858
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	726 436	X	380 265
	336391, MOTOR VEHICLE AIR-CONDITIONING MFG				
001900A6	Refrigeration compressors, compressor units, condensing units, and other heat transfer equipment	X	465 873	X	N
33531209	Fractional horsepower electric timing motors, synchronous and subsynchronous (less than 1 hp)	X	D	X	N
33531223	Fractional horsepower electric motors (less than 1 hp), except timing motors	X	D	X	N
33531221	Integral horsepower electric motors and generators (1 hp or more)	X	10 246	X	N
33341200	Fans and blowers	X	8 182	X	N
001900B1	Electrical transmission, distribution, and control equipment	X	37 078	X	N
33593101	Current-carrying wiring devices	X	58 811	X	N
33451200	Automatic temperature controls (thermostats, regulators, etc.)	X	170 392	X	N
33299101	Ball and roller bearings (mounted or unmounted)	X	47 646	X	N
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	86 492	X	N
332000AC	Metal stampings	X	92 728	X	N
33251005	Metal hardware, including hinges, handles, locks, casters, etc.	X	D	X	N
33291901	Metal pipe, valves, and pipe fittings (except forgings)	X	9 738	X	N
33200053	All other fabricated metal products (except forgings)	X	D	X	N
33210001	Forgings	X	D	X	N
33151001	Iron and steel castings (rough and semifinished)	X	D	X	N
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	181 782	X	N
33152003	Other nonferrous castings (rough and semifinished)	X	D	X	N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	13 767	X	N
33120017	Steel sheet and strip, including tin plate	X	22 964	X	N
33120025	Steel wire and wire products	X	D	X	N
33120035	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	8 837	X	N
33142135	Copper and copper-base alloy pipe and tube (except castings, forgings, and fabricated metal products)	X	5 155	X	N
33142143	All other copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	21 534	X	N
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	D	X	N
33100055	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	N
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	N
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies	X	10 182	X	N
32192003	Wooden containers, complete (including combination wood and paperboard)	X	723	X	N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	5 894	X	N
32510027	Refrigerant gases and other synthetic organic chemicals	X	D	X	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	D	X	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	D	X	N
32610007	Fabricated plastics products (except gaskets, hoses, and belting)	X	65 925	X	N
32622001	Rubber and plastics hose and belting	X	51 978	X	N
33999101	Gaskets (all types) and asbestos packing	X	D	X	N
32799301	Mineral wool insulation (fibrous glass, rock wool, etc.)	X	-	X	N
00970099	All other materials and components, parts, containers, and supplies	X	427 730	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	22 726	X	N

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	336399, ALL OTHER MOTOR VEHICLE PARTS MFG				
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	X	D	X	N
33399501	Fluid power cylinders and rotary actuators (hydraulic and pneumatic)	X	D	X	N
33399901	Fluid power filters (hydraulic and pneumatic)	X	D	X	N
33291203	Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic)	X	D	X	N
33291207	Fluid power valves (hydraulic and pneumatic)	X	D	X	N
00190089	Other fluid power products (hydraulic and pneumatic)	X	D	X	N
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	294 452	X	N
33151001	Iron and steel castings (rough and semifinished)	X	410 285	X	N
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	265 903	X	N
33152003	Other nonferrous castings (rough and semifinished)	X	121 146	X	N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	362 019	X	N
33120017	Steel sheet and strip, including tin plate	X	1 579 737	X	N
33120033	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	493 677	X	N
33632200	Engine electrical equipment, including spark plugs, magnetos, generators, starters, etc.	X	317 355	X	N
33299105	Ball bearings (mounted or unmounted)	X	52 528	X	N
33299103	Roller bearings (mounted or unmounted)	X	13 359	X	N
32610011	Fabricated plastics products (except gaskets)	X	483 283	X	N
32622001	Rubber and plastics hose and belting	X	84 089	X	N
33637000	Automotive stampings (including body parts, hubcaps, fenders, etc.)	X	996 756	X	N
33200019	Other fabricated metal products, except fluid power and forgings	X	866 492	X	N
33210001	Forgings	X	216 285	X	N
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	76 331	X	N
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	675 213	X	N
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	117 204	X	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	202 362	X	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	469 727	X	N
32600017	Fabricated rubber products, except tires, tubes, hose, belting, and gaskets	X	69 524	X	N
32500023	Ceramic raw materials, including powders, chemicals, and fibers (excluding refractory uses)	X	127 186	X	N
32700035	Ceramic and ceramic composite parts, components, and accessories	X	255 029	X	N
33999103	Gaskets (all types), and packing and sealing devices	X	110 120	X	N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	165 134	X	N
32552003	Glues and adhesives	X	36 806	X	N
00190003	Flexible packaging materials	X	32 962	X	N
32220015	Paper and paperboard containers	X	274 878	X	N
001900B7	Resistors, capacitors, transformers, electron tubes, semiconductors, and other electronic components	X	135 826	X	N
00999826	Core parts purchased for use in remanufacturing or rebuilding	X	442 937	X	N
00970099	All other materials and components, parts, containers, and supplies	X	4 713 509	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	3 610 719	X	N
	336411, AIRCRAFT MFG				
33641201	Aircraft engines	X	D	X	N
33641203	Aircraft engine parts (except instruments)	X	73 075	X	N
33641303	Structural fuselage components, excluding instruments	X	D	X	N
33641305	Structural empennage (tail) components, excluding instruments	X	D	X	N
33641307	Structural wing components, excluding instruments	X	D	X	N
33641309	Structural landing gear components	X	D	X	N
33641311	Other structural components (airframe), including engine mounts, excluding instruments	X	794 688	X	N
33641301	Aircraft propellers and parts thereof	X	37 804	X	45 002
33636005	Aircraft seats	X	12 904	X	8 673
33422003	Radio communication systems and equipment, including airborne transmitters and receivers (microwave, UHF, VHF, etc.)	X	D	X	655 769
33451103	Navigational systems and equipment (NAV AIDS)	X	138 054	X	254 100
001900D5	Search, detection, tracking, and electronic communication systems and equipment (RADAR, SONAR, Optical)	X	D	X	N
33400025	Flight, navigational, airframe, and engine indicators, instruments, and clusters, including sensors, displays, etc.	X	D	X	N
001900B7	Resistors, capacitors, transformers, electron tubes, semiconductors, and other electronic components	X	119 075	X	285 290
00190070	Resin matrix composites	X	34 070	X	D
00190071	Other matrix composites, including ceramic, carbon, metal, etc.	X	145 086	X	41 595
33291209	Complete mechanical, hydraulic and pneumatic subassemblies	X	D	X	163 948
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	X	D	X	149 611
33291201	Fluid power valves (except complete assemblies)	X	D	X	147 309
33291203	Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic)	X	D	X	101 391
33399503	Fluid power cylinders and rotary actuators (except complete assemblies)	X	D	X	154 689
33399901	Fluid power filters (hydraulic and pneumatic)	X	D	X	N
00190089	Other fluid power products (hydraulic and pneumatic)	X	126 634	X	N
33299101	Ball and roller bearings (mounted or unmounted)	X	52 924	X	D
33351503	Cutting tools for machine tools	X	D	X	D
33251015	Aircraft metal hardware (except forgings)	X	D	X	215 681
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	D	X	N
33200009	Other fabricated metal products, except fluid power and forgings	X	168 799	X	N
33211101	Iron and steel forgings	X	8 313	X	D
33211203	Aluminum and aluminum-base alloy forgings	X	8 469	X	D
33211205	Titanium and titanium-base alloy forgings	X	D	X	D
33210003	Other forgings	X	26 808	X	D
33151001	Iron and steel castings (rough and semifinished)	X	D	X	D
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	4 219	X	D
33152003	Other nonferrous castings (rough and semifinished)	X	D	X	21 240
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	13 846	X	N
33120017	Steel sheet and strip, including tin plate	X	30 375	X	N

Table 1. Materials Consumed by Kind by Industry: 1997 and 1992—Con.

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	336411, AIRCRAFT MFG—Con.				
33120033	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	N
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	152 178	X	268 133
33100055	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	54 362
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	D
33149101	Titanium and titanium-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	D
33100065	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	D
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	D	X	D
00970099	All other materials and components, parts, containers, and supplies	X	56 569	X	32 072
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	5 174 430	X	8 760 131
		X	7 342 173	X	2 327 185
	336412, AIRCRAFT ENGINE & ENGINE PARTS MFG				
33641201	Aircraft engines	X	249 248	X	D
33641203	Aircraft engine parts (except instruments)	X	5 174 339	X	4 353 141
00190071	Other matrix composites, including ceramic, carbon, metal, etc.	X	16 014	X	24 114
33291209	Complete mechanical, hydraulic and pneumatic subassemblies	X	20 606	X	7 271
33299101	Ball and roller bearings (mounted or unmounted)	X	24 151	X	D
33351503	Cutting tools for machine tools	X	16 270	X	D
33251015	Aircraft metal hardware (except forgings)	X	181 081	X	104 449
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	29 104	X	65 801
33200009	Other fabricated metal products, except fluid power and forgings	X	51 984	X	69 701
33211101	Iron and steel forgings	X	185 520	X	128 105
33211203	Aluminum and aluminum-base alloy forgings	X	19 800	X	N
33211205	Titanium and titanium-base alloy forgings	X	114 733	X	137 539
33210003	Other forgings	X	58 714	X	N
33151001	Iron and steel castings (rough and semifinished)	X	223 091	X	103 551
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	28 193	X	71 383
33152003	Other nonferrous castings (rough and semifinished)	X	77 723	X	202 102
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	110 184	X	53 719
33120017	Steel sheet and strip, including tin plate	X	48 063	X	22 046
33120033	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	10 883	X	18 198
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	9 733	X	5 015
33100055	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	1 391	X	13 583
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	230	X	N
33149101	Titanium and titanium-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	21 724	X	28 853
33100065	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	32 263	X	N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	2 317	X	912
00970099	All other materials and components, parts, containers, and supplies	X	527 787	X	D
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	2 024 014	X	D
	336413, OTHER AIRCRAFT PART & AUXILIARY EQUIPMENT MFG				
33641201	Aircraft engines	X	3 663	X	N
33641203	Aircraft engine parts (except instruments)	X	48 951	X	N
33641303	Structural fuselage components, excluding instruments	X	D	X	N
33641305	Structural empennage (tail) components, excluding instruments	X	38 334	X	N
33641307	Structural wing components, excluding instruments	X	84 242	X	N
33641309	Structural landing gear components	X	D	X	N
33641311	Other structural components (airframe), including engine mounts, excluding instruments	X	314 576	X	N
33641301	Aircraft propellers and parts thereof	X	D	X	N
33636005	Aircraft seats	X	1 546	X	N
33422003	Radio communication systems and equipment, including airborne transmitters and receivers (microwave, UHF, VHF, etc.)	X	D	X	N
33451103	Navigation systems and equipment (NAV AIDS)	X	D	X	N
001900D5	Search, detection, tracking, and electronic communication systems and equipment (RADAR, SONAR, Optical)	X	—	X	N
33400025	Fight, navigational, airframe, and engine indicators, instruments, and clusters, including sensors, displays, etc.	X	8 500	X	N
001900B7	Resistors, capacitors, transformers, electron tubes, semiconductors, and other electronic components	X	97 274	X	N
00190070	Resin matrix composites	X	122 203	X	N
00190071	Other matrix composites, including ceramic, carbon, metal, etc.	X	209 836	X	N
33291209	Complete mechanical, hydraulic and pneumatic subassemblies	X	201 883	X	N
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	X	4 245	X	N
33291201	Fluid power valves (except complete assemblies)	X	9 546	X	N
33291203	Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic)	X	2 268	X	N
33399503	Fluid power cylinders and rotary actuators (except complete assemblies)	X	3 834	X	N
33399901	Fluid power filters (hydraulic and pneumatic)	X	580	X	N
00190089	Other fluid power products (hydraulic and pneumatic)	X	2 072	X	N
33299101	Ball and roller bearings (mounted or unmounted)	X	27 070	X	N
33351503	Cutting tools for machine tools	X	59 073	X	N
33251015	Aircraft metal hardware (except forgings)	X	1 267 701	X	N
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	221 505	X	N
33200009	Other fabricated metal products, except fluid power and forgings	X	213 584	X	N
33211101	Iron and steel forgings	X	63 780	X	N
33211203	Aluminum and aluminum-base alloy forgings	X	103 646	X	N
33211205	Titanium and titanium-base alloy forgings	X	45 528	X	N
33210003	Other forgings	X	20 485	X	N
33151001	Iron and steel castings (rough and semifinished)	X	41 540	X	N
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	66 701	X	N
33152003	Other nonferrous castings (rough and semifinished)	X	14 769	X	N

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	336413, OTHER AIRCRAFT PART & AUXILIARY EQUIPMENT MFG—Con.				
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	56 607	X	N
33120017	Steel sheet and strip, including tin plate	X	25 617	X	N
33120033	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	8 068	X	N
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	275 751	X	N
33100055	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	80 843	X	N
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	1 009	X	N
33149101	Titanium and titanium-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	52 670	X	N
33100065	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	8 011	X	N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	43 091	X	N
00970099	All other materials and components, parts, containers, and supplies	X	1 286 546	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	715 759	X	N
	336414, GUIDED MISSILE & SPACE VEHICLE MFG				
33641503	Guided missile and space vehicle engines and parts	X	400 143	X	620 965
33641501	Guided missile and space vehicle propulsion units and parts	X	D	X	D
33641900	Guided missile and space vehicle airframe parts	X	D	X	D
33422003	Radio communication systems and equipment, including airborne transmitters and receivers (microwave, UHF, VHF, etc.)	X	D	X	N
33451103	Navigation systems and equipment (NAV Aids)	X	D	X	N
001900D5	Search, detection, tracking, and electronic communication systems and equipment (RADAR, SONAR, Optical)	X	D	X	N
33400025	Flight, navigational, airframe, and engine indicators, instruments, and clusters, including sensors, displays, etc.	X	D	X	N
001900B7	Resistors, capacitors, transformers, electron tubes, semiconductors, and other electronic components	X	D	X	D
00190070	Resin matrix composites	X	D	X	N
00190071	Other matrix composites, including ceramic, carbon, metal, etc.	X	D	X	8 413
33291209	Complete mechanical, hydraulic and pneumatic subassemblies	X	16 300	X	77 066
00190090	Fluid power products	X	6 978	X	26 550
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	D	X	13 263
33200063	Other fabricated metal products (except fluid power products and forgings)	X	D	X	D
33211101	Iron and steel forgings	X	D	X	D
33211201	Nonferrous forgings	X	—	X	D
33151001	Iron and steel castings (rough and semifinished)	X	D	X	N
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	D	X	N
33152003	Other nonferrous castings (rough and semifinished)	X	—	X	N
33100033	Metal shapes and forms, except castings, forgings, and fabricated metal products	X	D	X	12 689
32500045	Chemicals, all types (including propellants)	X	D	X	D
33510000	Special dies, tools, die sets, jigs, and fixtures, except cutting tools for machine tools	X	D	X	D
00970099	All other materials and components, parts, containers, and supplies	X	824 554	X	1 654 250
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	1 724 970	X	786 802
	336415, GUIDED MISSILE & SPACE VEHICLE PROPULSION UNIT & PARTS MFG				
33641503	Guided missile and space vehicle engines and parts	X	153 060	X	N
33641501	Guided missile and space vehicle propulsion units and parts	X	494 364	X	N
33641900	Guided missile and space vehicle airframe parts	X	—	X	N
33422003	Radio communication systems and equipment, including airborne transmitters and receivers (microwave, UHF, VHF, etc.)	X	—	X	N
33451103	Navigation systems and equipment (NAV Aids)	X	—	X	D
001900D5	Search, detection, tracking, and electronic communication systems and equipment (RADAR, SONAR, Optical)	X	—	X	N
33400025	Flight, navigational, airframe, and engine indicators, instruments, and clusters, including sensors, displays, etc.	X	D	X	D
001900B7	Resistors, capacitors, transformers, electron tubes, semiconductors, and other electronic components	X	D	X	5 406
00190070	Resin matrix composites	X	D	X	D
00190071	Other matrix composites, including ceramic, carbon, metal, etc.	X	D	X	D
33291209	Complete mechanical, hydraulic and pneumatic subassemblies	X	5 703	X	D
00190090	Fluid power products	X	4 195	X	D
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	D	X	5 685
33200063	Other fabricated metal products (except fluid power products and forgings)	X	17 085	X	59 518
33211101	Iron and steel forgings	X	1 573	X	N
33211201	Nonferrous forgings	X	6 088	X	N
33151001	Iron and steel castings (rough and semifinished)	X	D	X	5 979
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	D	X	2 025
33152003	Other nonferrous castings (rough and semifinished)	X	4 540	X	2 439
33100033	Metal shapes and forms, except castings, forgings, and fabricated metal products	X	3 471	X	9 503
32500045	Chemicals, all types (including propellants)	X	D	X	D
33510000	Special dies, tools, die sets, jigs, and fixtures, except cutting tools for machine tools	X	D	X	7 213
00970099	All other materials and components, parts, containers, and supplies	X	187 669	X	367 839
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	18 133	X	798 632
	336419, OTHER GUIDED MISSILE & SPACE VEHICLE PARTS & AUXILIARY EQUIP MFG				
33641503	Guided missile and space vehicle engines and parts	X	—	X	3 123
33641501	Guided missile and space vehicle propulsion units and parts	X	—	X	D
33641900	Guided missile and space vehicle airframe parts	X	D	X	D
33422003	Radio communication systems and equipment, including airborne transmitters and receivers (microwave, UHF, VHF, etc.)	X	—	X	5 029
33451103	Navigation systems and equipment (NAV Aids)	X	D	X	26 941
001900D5	Search, detection, tracking, and electronic communication systems and equipment (RADAR, SONAR, Optical)	X	—	X	23 388

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		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	336419, OTHER GUIDED MISSILE & SPACE VEHICLE PARTS & AUXILIARY EQUIP MFG—Con.				
33400025	Flight, navigational, airframe, and engine indicators, instruments, and clusters, including sensors, displays, etc.	X	D	X	2 771
001900B7	Resistors, capacitors, transformers, electron tubes, semiconductors, and other electronic components	X	D	X	D
00190070	Resin matrix composites	X	D	X	N
00190071	Other matrix composites, including ceramic, carbon, metal, etc.	X	D	X	N
33291209	Complete mechanical, hydraulic and pneumatic subassemblies	X	D	X	D
00190090	Fluid power products	X	D	X	D
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	1 164	X	4 323
33200063	Other fabricated metal products (except fluid power products and forgings)	X	16 132	X	11 819
33211101	Iron and steel forgings	X	1 579	X	N
33211201	Nonferrous forgings	X	D	X	N
33151001	Iron and steel castings (rough and semifinished)	X	D	X	D
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	D	X	D
33152003	Other nonferrous castings (rough and semifinished)	X	D	X	46
33100033	Metal shapes and forms, except castings, forgings, and fabricated metal products	X	D	X	D
32500045	Chemicals, all types (including propellants)	X	D	X	1 082
33510000	Special dies, tools, die sets, jigs, and fixtures, except cutting tools for machine tools	X	D	X	D
00970099	All other materials and components, parts, containers, and supplies	X	93 679	X	86 033
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	34 194	X	211 278
	336510, RAILROAD ROLLING STOCK MFG				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	67 945	X	N
00190090	Fluid power products	X	89 618	X	N
33210001	Forgings	X	377 128	X	N
33200063	Other fabricated metal products (except fluid power products and forgings)	X	496 475	X	N
33151001	Iron and steel castings (rough and semifinished)	X	357 545	X	N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	385 851	X	N
33120017	Steel sheet and strip, including tin plate	X	157 982	X	N
33120019	Steel structural shapes and sheet piling (except castings, forgings, and fabricated metal products)	X	102 899	X	N
33120091	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	112 914	X	N
331000AJ	Nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	96 777	X	N
33152011	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	X	22 405	X	N
33299103	Roller bearings (mounted or unmounted)	X	107 369	X	N
33361301	Plain bearings and bushings	X	62 459	X	N
33361200	Mechanical speed changers, gears, and industrial high-speed drives	X	52 441	X	N
33531303	Railway electrical control equipment	X	386 169	X	N
33651000	Brake equipment, truck assemblies, hooks and other coupling devices, buffers, and parts	X	573 466	X	N
00970099	All other materials and components, parts, containers, and supplies	X	908 595	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	465 033	X	N
	336611, SHIP BUILDING & REPAIRING				
33361811	Diesel and semidiesel engines	X	128 993	X	96 980
33361105	Steam engines and turbines	X	117 033	X	N
33531221	Integral horsepower electric motors and generators (1 hp or more)	X	45 305	X	76 454
33632200	Engine electrical equipment, including spark plugs, magnetos, generators, starters, etc.	X	68 888	X	67 930
33361200	Mechanical speed changers, gears, and industrial high-speed drives	X	94 519	X	88 606
33531415	Industrial controls	X	46 664	X	N
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	X	36 148	X	27 475
33291207	Fluid power valves (hydraulic and pneumatic)	X	71 486	X	54 546
33399501	Fluid power cylinders and rotary actuators (hydraulic and pneumatic)	X	2 636	X	1 809
33291203	Fluid power hose or tube fittings and assemblies (hydraulic and pneumatic)	X	54 256	X	35 224
33399901	Fluid power filters (hydraulic and pneumatic)	X	D	X	11 791
00190089	Other fluid power products (hydraulic and pneumatic)	X	D	X	18 721
33231203	Fabricated structural metal for ships and barges (except forgings)	X	55 632	X	113 456
332000A7	Metal boilers, condensers, and parts thereof (except forgings)	X	5 627	X	11 396
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	24 697	X	41 752
33200055	Other fabricated metal products (except fluid power products and forgings)	X	73 146	X	23 739
33210001	Forgings	X	12 811	X	4 062
33100035	Castings (rough and semifinished)	X	39 492	X	20 705
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	366 340	X	281 295
33120017	Steel sheet and strip, including tin plate	X	27 482	X	26 135
33120019	Steel structural shapes and sheet piling (except castings, forgings, and fabricated metal products)	X	56 754	X	64 525
33120091	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	17 415	X	24 849
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	25 183	X	15 873
33100057	Other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	5 829	X	3 033
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	25 322	X	26 893
33300011	Construction machinery and parts thereof, including shipwinches, cranes, derricks, and capstans	X	44 574	X	42 873
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	53 066	X	61 082
32100021	Dressed lumber	X	9 761	X	12 604
00970099	All other materials and components, parts, containers, and supplies	X	1 615 600	X	1 425 077
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	658 400	X	705 420

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		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	336612, BOAT BUILDING				
33361811	Diesel and semidiesel engines	X	117 573	X	N
33361807	Gasoline and other internal combustion engines	X	665 814	X	N
33531221	Integral horsepower electric motors and generators (1 hp or more)	X	57 985	X	N
00190088	Boat propellers	X	22 986	X	N
33251013	Marine metal hardware (including shackles, rope shackles, rope sockets, tackle blocks) (except forgings)	X	70 383	X	N
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	23 590	X	N
33200061	Other fabricated metal products (except forgings)	X	45 863	X	N
33210001	Forgings	X	2 605	X	N
33100035	Castings (rough and semifinished)	X	6 989	X	N
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	X	10 327	X	N
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	57 945	X	N
33131600	Aluminum and aluminum-base alloy extruded shapes, including extruded rod, bar, pipe, tube, etc.	X	34 796	X	N
33100049	Other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	37 361	X	N
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	1 712	X	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	129 970	X	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	68 450	X	N
32721205	Glass fiber, textile type, bonded mat type, etc.	X	115 839	X	N
32100021	Dressed lumber	X	37 129	X	N
32121003	Plywood	X	62 126	X	N
31411003	Carpeting	X	29 020	X	N
31491200	Canvas products	X	29 479	X	N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	28 144	X	N
33451101	Marine nautical and navigation equipment operating by radio signal	X	45 965	X	N
33391105	Bilge pumps	X	11 281	X	N
00970099	All other materials and components, parts, containers, and supplies	X	732 931	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	525 399	X	N
	336991, MOTORCYCLE, BICYCLE, & PARTS MFG				
33699101	Frames, forks, and parts thereof, bicycle	X	92 282	X	N
33699103	Wheel rims and spokes, bicycle	X	33 678	X	N
33699109	Seats (saddles), bicycle	X	15 672	X	N
32621003	Pneumatic tires and inner tubes	X	49 593	X	N
33699115	Other bicycle parts	X	143 963	X	N
33200081	Fabricated metal products (except forgings)	X	D	X	N
33210001	Forgings	X	D	X	N
33100035	Castings (rough and semifinished)	X	D	X	N
33100033	Metal shapes and forms, except castings, forgings, and fabricated metal products	X	D	X	N
00970099	All other materials and components, parts, containers, and supplies	X	245 494	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	237 200	X	N
	336992, MILITARY ARMORED VEHICLE, TANK, & TANK COMPONENT MFG				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	15 426	X	N
33200095	Other fabricated metal products (except forgings)	X	165 166	X	N
33151001	Iron and steel castings (rough and semifinished)	X	3 756	X	N
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	D	X	N
33152003	Other nonferrous castings (rough and semifinished)	X	D	X	N
33211101	Iron and steel forgings	X	D	X	N
33211203	Aluminum and aluminum-base alloy forgings	X	D	X	N
33211207	Other nonferrous forgings	X	—	X	N
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	N
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	N
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	N
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	—	X	N
00970099	All other materials and components, parts, containers, and supplies	X	126 848	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	34 795	X	N
	336999, ALL OTHER TRANSPORTATION EQUIPMENT MFG				
33600003	Trailer axles, wheels, brakes, undercarriages, and other metal vehicular parts	X	199 528	X	N
33361801	Internal combustion engines, gasoline	X	592 957	X	N
32621003	Pneumatic tires and inner tubes	X	47 970	X	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	207 712	X	N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	60 354	X	N
33200081	Fabricated metal products (except forgings)	X	188 360	X	N
33210001	Forgings	X	18 485	X	N
33100035	Castings (rough and semifinished)	X	56 456	X	N
33120007	Steel bars, bar shapes, and plates (except castings, forgings, and fabricated metal products)	X	51 925	X	N
33120017	Steel sheet and strip, including tin plate	X	84 254	X	N
33120019	Steel structural shapes and sheet piling (except castings, forgings, and fabricated metal products)	X	86 293	X	N
33120091	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	30 948	X	N
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	39 221	X	N
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	6 773	X	N
00970099	All other materials and components, parts, containers, and supplies	X	689 908	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	262 390	X	N

Table 1. Materials Consumed by Kind by Industry: 1997 and 1992—Con.

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	337110, WOOD KITCHEN CABINET & COUNTER TOP MFG				
32191203	Hardwood cut stock and dimension, excluding furniture frames	X	308 585	X	N
32121105	Hardwood veneer	X	60 639	X	N
32121101	Hardwood plywood	X	179 245	X	N
32121201	Softwood plywood	X	26 774	X	N
32121903	Particleboard (wood)	X	352 053	X	N
32121909	Hardboard	X	32 074	X	N
32121907	Medium density fiberboard (MDF)	X	46 675	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	82 734	X	N
33120083	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	N
32100025	Hardwood lumber, rough and dressed	X	386 383	X	N
32100031	Softwood lumber, rough and dressed	X	23 635	X	N
32721101	Flat glass (plate, float, and sheet)	X	D	X	N
32552001	Adhesives and sealants	X	38 075	X	N
33251001	Furniture and builders' hardware, including cabinet hardware, casters, glides, handles, hinges, locks, etc.	X	204 408	X	N
32610017	Plastics parts, components, sheets, and other shapes (excluding plastics resins)	X	130 993	X	N
00970099	All other materials and components, parts, containers, and supplies	X	379 964	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	1 273 583	X	N
	337121, UPHOLSTERED HOUSEHOLD FURNITURE MFG				
32100025	Hardwood lumber, rough and dressed	X	142 492	X	N
32100031	Softwood lumber, rough and dressed	X	54 175	X	N
32191203	Hardwood cut stock and dimension, excluding furniture frames	X	96 311	X	N
33721500	Furniture frames, wood	X	381 538	X	N
31321007	Woven cotton upholstery fabrics, excluding ticking	X	355 785	X	N
31321011	Other woven upholstery fabrics (rayon, nylon, polyester, etc.), excluding ticking	X	501 040	X	N
31499901	Paddings, battings, and fillings, except rubber and plastics foam	X	202 468	X	N
31332007	Coated or laminated fabrics, including vinyl coated	X	372 987	X	N
33261200	Springs, innerspring units, and box spring constructions	X	108 283	X	N
33251001	Furniture and builders' hardware, including cabinet hardware, casters, glides, handles, hinges, locks, etc.	X	142 651	X	N
33251007	Constructions (sleepers mechanisms) for dual purpose sleep furniture	X	73 128	X	N
32600001	Foam cores for mattresses, including latex, excluding topper pads	X	49 215	X	N
32615000	Formed and slab stock for pillows, cushions, seating, etc. (urethane)	X	444 590	X	N
00970099	All other materials and components, parts, containers, and supplies	X	553 779	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	622 087	X	N
	337122, NONUPHOLSTERED WOOD HOUSEHOLD FURNITURE MFG				
32100025	Hardwood lumber, rough and dressed	X	696 621	X	N
32100031	Softwood lumber, rough and dressed	X	175 670	X	N
32191203	Hardwood cut stock and dimension, excluding furniture frames	X	286 361	X	N
32121201	Softwood plywood	X	38 876	X	N
32121101	Hardwood plywood	X	133 713	X	N
32121105	Hardwood veneer	X	143 269	X	N
32121903	Particleboard (wood)	X	341 775	X	N
32121907	Medium density fiberboard (MDF)	X	136 458	X	N
32121909	Hardboard	X	37 568	X	N
33721500	Furniture frames, wood	X	239 502	X	N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	149 355	X	N
32552001	Adhesives and sealants	X	30 345	X	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	12 253	X	N
32610017	Plastics parts, components, sheets, and other shapes (excluding plastics resins)	X	44 735	X	N
32721101	Flat glass (plate, float, and sheet)	X	61 260	X	N
32721503	Mirrors, framed and unframed	X	58 076	X	N
31320027	Fabrics, all types	X	80 043	X	N
33251001	Furniture and builders' hardware, including cabinet hardware, casters, glides, handles, hinges, locks, etc.	X	332 687	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	244 648	X	N
00970099	All other materials and components, parts, containers, and supplies	X	640 247	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	778 914	X	N
	337124, METAL HOUSEHOLD FURNITURE MFG				
332000AC	Metal stampings	X	7 611	X	8 379
332000AA	Other fabricated metal products, except forgings	X	71 753	X	52 859
33120017	Steel sheet and strip, including tin plate	X	37 869	X	42 244
33120083	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	94 034	X	83 619
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	48 164	X	39 276
33100055	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	47 952	X	21 252
32610017	Plastics parts, components, sheets, and other shapes (excluding plastics resins)	X	47 712	X	49 219
00190097	Hardwood dimension and parts, including wood furniture frames	X	40 900	X	40 077
32121903	Particleboard (wood)	X	23 148	X	13 242
32721101	Flat glass (plate, float, and sheet)	X	14 561	X	18 071
31332007	Coated or laminated fabrics, including vinyl coated	X	52 034	X	50 055
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	21 402	X	18 762
33251001	Furniture and builders' hardware, including cabinet hardware, casters, glides, handles, hinges, locks, etc.	X	38 539	X	32 563
32221001	Paperboard containers, boxes, and corrugated paperboard	X	61 615	X	44 568
00970099	All other materials and components, parts, containers, and supplies	X	241 498	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	185 450	X	116 292

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	337125, HOUSEHOLD FURNITURE (EXCEPT WOOD & METAL) MFG				
32100025	Hardwood lumber, rough and dressed	X	1 669	X	444
32100031	Softwood lumber, rough and dressed	X	D	X	D
32191203	Hardwood cut stock and dimension, excluding furniture frames	X	D	X	D
32121201	Softwood plywood	X	95	X	200
32121101	Hardwood plywood	X	681	X	240
32121105	Hardwood veneer	X	D	X	D
32121903	Particleboard (wood)	X	721	X	145
32121907	Medium density fiberboard (MDF)	X	D	X	361
32121909	Hardboard	X	D	X	57
33721500	Furniture frames, wood	X	8 456	X	D
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	4 391	X	5 514
32552001	Adhesives and sealants	X	D	X	328
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	112 443	X	102 950
32610017	Plastics parts, components, sheets, and other shapes (excluding plastics resins)	X	8 268	X	5 217
32721101	Flat glass (plate, float, and sheet)	X	795	X	914
32721503	Mirrors, framed and unframed	X	D	X	54
31320027	Fabrics, all types	X	4 368	X	2 258
33251001	Furniture and builders' hardware, including cabinet hardware, casters, glides, handles, hinges, locks, etc.	X	4 929	X	645
32221001	Paperboard containers, boxes, and corrugated paperboard	X	9 887	X	15 201
00970099	All other materials and components, parts, containers, and supplies	X	31 050	X	41 287
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	49 208	X	48 115
	337127, INSTITUTIONAL FURNITURE MFG				
332000AC	Metal stampings	X	28 788	X	N
33200043	All other fabricated metal products (except castings and forgings)	X	26 737	X	N
33210001	Forgings	X	2 216	X	N
33100035	Castings (rough and semifinished)	X	15 101	X	N
33120017	Steel sheet and strip, including tin plate	X	142 453	X	N
33120083	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	69 100	X	N
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	18 599	X	N
33100055	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	40 699	X	N
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	3 797	X	N
32100025	Hardwood lumber, rough and dressed	X	126 520	X	N
32100031	Softwood lumber, rough and dressed	X	7 788	X	N
00190097	Hardwood dimension and parts, including wood furniture frames	X	27 289	X	N
32121105	Hardwood veneer	X	12 604	X	N
32121101	Hardwood plywood	X	41 997	X	N
32121201	Softwood plywood	X	11 107	X	N
32121903	Particleboard (wood)	X	34 052	X	N
32121907	Medium density fiberboard (MDF)	X	9 972	X	N
32121909	Hardboard	X	6 962	X	N
32613001	Plastics laminated sheets	X	53 948	X	N
32619909	Plastics furniture parts and components	X	81 085	X	N
32615000	Formed and slab stock for pillows, cushions, seating, etc. (urethane)	X	25 035	X	N
31332007	Coated or laminated fabrics, including vinyl coated	X	22 367	X	N
31321019	Uncoated broadwoven fabrics for upholstery	X	18 501	X	N
32721101	Flat glass (plate, float, and sheet)	X	2 239	X	N
32552001	Adhesives and sealants	X	9 951	X	N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	28 478	X	N
33251001	Furniture and builders' hardware, including cabinet hardware, casters, glides, handles, hinges, locks, etc.	X	100 911	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	39 658	X	N
00970099	All other materials and components, parts, containers, and supplies	X	257 526	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	359 591	X	N
	337129, WOOD TELEVISION, RADIO, & SEWING MACHINE CABINET MFG				
32100025	Hardwood lumber, rough and dressed	X	14 465	X	12 264
32100031	Softwood lumber, rough and dressed	X	D	X	D
32191203	Hardwood cut stock and dimension, excluding furniture frames	X	5 130	X	D
32121201	Softwood plywood	X	383	X	521
32121101	Hardwood plywood	X	2 055	X	5 979
32121105	Hardwood veneer	X	11 839	X	1 204
32121903	Particleboard (wood)	X	10 741	X	16 459
32121907	Medium density fiberboard (MDF)	X	16 874	X	7 874
32121909	Hardboard	X	650	X	D
33721500	Furniture frames, wood	X	D	X	D
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	6 600	X	4 904
32552001	Adhesives and sealants	X	740	X	1 271
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	D	X	D
32610017	Plastics parts, components, sheets, and other shapes (excluding plastics resins)	X	3 276	X	4 154
32721101	Flat glass (plate, float, and sheet)	X	1 222	X	1 675
32721503	Mirrors, framed and unframed	X	28	X	D
31320027	Fabrics, all types	X	177	X	1 519
33251001	Furniture and builders' hardware, including cabinet hardware, casters, glides, handles, hinges, locks, etc.	X	14 025	X	13 369
32221001	Paperboard containers, boxes, and corrugated paperboard	X	13 764	X	13 715
00970099	All other materials and components, parts, containers, and supplies	X	18 262	X	7 138
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	28 329	X	24 728

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		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	337211, WOOD OFFICE FURNITURE MFG				
332000AC	Metal stampings	X	7 982	X	4 094
33200043	All other fabricated metal products (except castings and forgings)	X	9 918	X	9 864
33210001	Forgings	X	-	X	184
33100035	Castings (rough and semifinished)	X	2 213	X	350
33120017	Steel sheet and strip, including tin plate	X	24 238	X	4 035
33120083	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	20 321	X	4 983
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	962	X	Z
33100055	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	850
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	D
32100025	Hardwood lumber, rough and dressed	X	60 621	X	53 315
32100031	Softwood lumber, rough and dressed	X	3 667	X	5 263
00190097	Hardwood dimension and parts, including wood furniture frames	X	89 750	X	51 347
32121105	Hardwood veneer	X	36 168	X	33 544
32121101	Hardwood plywood	X	76 419	X	41 240
32121201	Softwood plywood	X	2 520	X	D
32121903	Particleboard (wood)	X	111 017	X	45 845
32121907	Medium density fiberboard (MDF)	X	24 626	X	5 850
32121909	Hardboard	X	26 893	X	8 542
32613001	Plastics laminated sheets	X	35 527	X	26 566
32619909	Plastics furniture parts and components	X	31 247	X	8 908
32615000	Formed and slab stock for pillows, cushions, seating, etc. (urethane)	X	14 213	X	8 674
31332007	Coated or laminated fabrics, including vinyl coated	X	31 198	X	13 407
31321019	Uncoated broadwoven fabrics for upholstery	X	29 139	X	22 991
32721101	Flat glass (plate, float, and sheet)	X	1 196	X	1 233
32552001	Adhesives and sealants	X	7 374	X	3 123
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	34 045	X	17 163
33251001	Furniture and builders' hardware, including cabinet hardware, casters, glides, handles, hinges, locks, etc.	X	104 847	X	60 258
32221001	Paperboard containers, boxes, and corrugated paperboard	X	51 992	X	26 930
00970099	All other materials and components, parts, containers, and supplies	X	104 205	X	60 645
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	230 946	X	174 398
	337212, CUSTOM ARCHITECTURAL WOODWORK & MILLWORK MFG				
332000AC	Metal stampings	X	648	X	N
33200043	All other fabricated metal products (except castings and forgings)	X	9 184	X	N
33210001	Forgings	X	D	X	N
33100035	Castings (rough and semifinished)	X	D	X	N
33120017	Steel sheet and strip, including tin plate	X	2 140	X	N
33120083	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	2 227	X	N
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	309	X	N
33100055	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	4 597	X	N
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	843	X	N
32100025	Hardwood lumber, rough and dressed	X	73 012	X	N
32100031	Softwood lumber, rough and dressed	X	7 761	X	N
00190097	Hardwood dimension and parts, including wood furniture frames	X	5 912	X	N
32121105	Hardwood veneer	X	16 936	X	N
32121101	Hardwood plywood	X	42 453	X	N
32121201	Softwood plywood	X	8 407	X	N
32121903	Particleboard (wood)	X	43 867	X	N
32121907	Medium density fiberboard (MDF)	X	28 976	X	N
32121909	Hardboard	X	5 264	X	N
32613001	Plastics laminated sheets	X	35 170	X	N
32619909	Plastics furniture parts and components	X	9 125	X	N
32615000	Formed and slab stock for pillows, cushions, seating, etc. (urethane)	X	1 004	X	N
31332007	Coated or laminated fabrics, including vinyl coated	X	3 150	X	N
31321019	Uncoated broadwoven fabrics for upholstery	X	2 218	X	N
32721101	Flat glass (plate, float, and sheet)	X	11 965	X	N
32552001	Adhesives and sealants	X	4 114	X	N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	10 901	X	N
33251001	Furniture and builders' hardware, including cabinet hardware, casters, glides, handles, hinges, locks, etc.	X	32 711	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	5 712	X	N
00970099	All other materials and components, parts, containers, and supplies	X	124 212	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	169 610	X	N
	337214, OFFICE FURNITURE (EXCEPT WOOD) MFG				
332000AC	Metal stampings	X	136 023	X	D
33200043	All other fabricated metal products (except castings and forgings)	X	116 539	X	41 228
33210001	Forgings	X	D	X	D
33100035	Castings (rough and semifinished)	X	24 280	X	17 388
33120017	Steel sheet and strip, including tin plate	X	478 243	X	323 420
33120083	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	72 954	X	62 987
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	15 138	X	10 150
33100055	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	44 872	X	31 526
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	D
32100025	Hardwood lumber, rough and dressed	X	26 837	X	26 002
32100031	Softwood lumber, rough and dressed	X	1 789	X	3 059
00190097	Hardwood dimension and parts, including wood furniture frames	X	D	X	121 205
32121105	Hardwood veneer	X	36 470	X	7 330
32121101	Hardwood plywood	X	8 787	X	8 870
32121201	Softwood plywood	X	3 923	X	4 354
32121903	Particleboard (wood)	X	107 028	X	23 639
32121907	Medium density fiberboard (MDF)	X	16 213	X	D
32121909	Hardboard	X	19 535	X	10 742
32613001	Plastics laminated sheets	X	79 980	X	28 196
32619909	Plastics furniture parts and components	X	274 528	X	100 227

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		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	337214, OFFICE FURNITURE (EXCEPT WOOD) MFG—Con.				
32615000	Formed and slab stock for pillows, cushions, seating, etc. (urethane)	X	36 516	X	48 371
31332007	Coated or laminated fabrics, including vinyl coated	X	121 921	X	189 753
31321019	Uncoated broadwoven fabrics for upholstery	X	116 181	X	209 504
32721101	Flat glass (plate, float, and sheet)	X	2 414	X	1 533
32552001	Adhesives and sealants	X	19 589	X	8 263
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	87 048	X	62 975
33251001	Furniture and builders' hardware, including cabinet hardware, casters, glides, handles, hinges, locks, etc.	X	236 081	X	147 691
32221001	Paperboard containers, boxes, and corrugated paperboard	X	141 866	X	84 958
00970099	All other materials and components, parts, containers, and supplies	X	366 164	X	221 867
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	354 967	X	277 905
	337215, SHOWCASE, PARTITION, SHELVING, & LOCKER MFG				
332000AC	Metal stampings	X	66 362	X	N
33200043	All other fabricated metal products (except castings and forgings)	X	133 538	X	N
33210001	Forgings	X	4 587	X	N
33100035	Castings (rough and semifinished)	X	5 089	X	N
33120017	Steel sheet and strip, including tin plate	X	568 876	X	N
33120083	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	150 831	X	N
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	35 808	X	N
33100055	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	36 687	X	N
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	4 543	X	N
32100025	Hardwood lumber, rough and dressed	X	96 011	X	N
32100031	Softwood lumber, rough and dressed	X	29 852	X	N
00190097	Hardwood dimension and parts, including wood furniture frames	X	24 704	X	N
32121105	Hardwood veneer	X	11 021	X	N
32121101	Hardwood plywood	X	53 304	X	N
32121201	Softwood plywood	X	23 274	X	N
32121903	Particleboard (wood)	X	99 672	X	N
32121907	Medium density fiberboard (MDF)	X	45 967	X	N
32121909	Hardboard	X	23 608	X	N
32613001	Plastics laminated sheets	X	75 517	X	N
32619909	Plastics furniture parts and components	X	33 353	X	N
32615000	Formed and slab stock for pillows, cushions, seating, etc. (urethane)	X	1 195	X	N
31332007	Coated or laminated fabrics, including vinyl coated	X	3 081	X	N
31321019	Uncoated broadwoven fabrics for upholstery	X	4 066	X	N
32721101	Flat glass (plate, float, and sheet)	X	14 821	X	N
32552001	Adhesives and sealants	X	10 737	X	N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	81 968	X	N
33251001	Furniture and builders' hardware, including cabinet hardware, casters, glides, handles, hinges, locks, etc.	X	73 811	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	90 811	X	N
00970099	All other materials and components, parts, containers, and supplies	X	404 084	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	752 857	X	N
	337910, MATTRESS MFG				
00190097	Hardwood dimension and parts, including wood furniture frames	X	75 787	X	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	35 925	X	N
33100001	Metal mill shapes and forms, including castings (steel, aluminum, etc.)	X	18 433	X	N
33261200	Springs, innerspring units, and box spring constructions	X	471 477	X	N
33251007	Constructions (sleeper mechanisms) for dual purpose sleep furniture	X	7 479	X	N
32600001	Foam cores for mattresses, including latex, excluding topper pads	X	63 718	X	N
31320011	Woven upholstery fabrics (cotton, nylon, polyester, rayon, etc.), excluding ticking	X	43 326	X	N
31321005	Ticking (mattress)	X	256 731	X	N
00190047	Cotton linters and cotton waste	X	20 848	X	N
32600059	Padding, foam (except mattress cores)	X	207 472	X	N
00190048	Cotton felt filling materials, purchased premade	X	18 436	X	N
00190049	Insulators, all types, except cotton felt, purchased premade	X	56 225	X	N
00190044	Other cushioning materials, purchased premade	X	17 204	X	N
32220017	Paper and paperboard containers, including shipping sacks and other paper packaging supplies	X	15 833	X	N
00970099	All other materials and components, parts, containers, and supplies	X	217 480	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	372 330	X	N
	337920, BLIND & SHADE MFG				
33200005	Fabricated metal products, including forgings	X	64 794	X	43 805
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	X	39 264	X	44 631
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	47 818	X	D
33100055	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	66 218	X	57 267
31332003	Plastics coated fabrics and shade cloth	X	173 461	X	92 747
31499100	Cordage	X	18 121	X	D
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	101 557	X	43 219
32221001	Paperboard containers, boxes, and corrugated paperboard	X	27 944	X	23 427
00970099	All other materials and components, parts, containers, and supplies	X	196 377	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	364 644	X	304 380
	339111, LABORATORY APPARATUS & FURNITURE MFG				
33441200	Printed circuit boards (without inserted components) for electronic circuitry	X	6 784	X	14 771
001900C4	Printed circuit assemblies, loaded boards or modules (printed circuit boards with inserted electronic components)	X	36 857	X	29 789
33441300	Semiconductors, including transistors, diodes, rectifiers, and integrated circuits for electronic circuitry	X	12 032	X	7 538
33441400	Capacitors for electronic circuitry	X	2 035	X	1 848
33441500	Resistors for electronic circuitry	X	5 238	X	1 570
001900D3	Other components and accessories for electronic circuitry, n.e.c., except tubes	X	12 007	X	8 817

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	339111, LABORATORY APPARATUS & FURNITURE MFG—Con.				
33593101	Current-carrying wiring devices	X	16 460	X	8 766
001900B1	Electrical transmission, distribution, and control equipment	X	6 934	X	1 618
33410001	Electronic computing equipment	X	5 310	X	4 280
33451501	Electrical instrument mechanisms and meter movements (including instrument relays)	X	7 463	X	3 573
33451503	Electrical measuring instruments and parts, not listed elsewhere	X	6 139	X	1 474
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	20 908	X	9 196
32610007	Fabricated plastics products (except gaskets, hoses, and belting)	X	18 333	X	11 755
332000A9	Sheet metal products, except stampings	X	49 375	X	49 142
332000AC	Metal stampings	X	4 108	X	1 348
332000AE	Other fabricated metal products (except forgings)	X	32 673	X	N
33210001	Forgings	X	4 462	X	D
33100035	Castings (rough and semifinished)	X	9 608	X	N
33100033	Metal shapes and forms, except castings, forgings, and fabricated metal products	X	15 972	X	N
32720003	Glass and glass products (excluding windows and mirrors)	X	15 656	X	8 742
00970099	All other materials and components, parts, containers, and supplies	X	248 365	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	197 630	X	D
	339112, SURGICAL & MEDICAL INSTRUMENT MFG				
33910000	Surgical and orthopedic supplies, including sutures and hypodermic needles for further manufacture or assembly	X	632 932	X	474 875
001900B7	Resistors, capacitors, transformers, electron tubes, semiconductors, and other electronic components	X	265 140	X	178 783
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	65 515	X	64 822
33200095	Other fabricated metal products (except forgings)	X	345 810	X	135 696
33211101	Iron and steel forgings	X	15 426	X	16 633
33211201	Nonferrous forgings	X	3 084	X	2 083
33151001	Iron and steel castings (rough and semifinished)	X	5 651	X	18 356
33152011	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	X	12 012	X	7 335
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	X	78 204	X	48 803
331000AJ	Nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	25 056	X	23 109
31323001	Nonwoven fabrics	X	17 445	X	5 505
31321025	Broadwoven fabrics	X	19 328	X	13 282
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	188 194	X	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	207 371	X	146 471
32610009	Fabricated plastics products	X	404 084	X	261 087
32600017	Fabricated rubber products, except tires, tubes, hose, belting, and gaskets	X	58 965	X	56 250
32552001	Adhesives and sealants	X	9 313	X	5 620
32720007	Glass and glass products, except photographic and projection lenses and prisms	X	14 261	X	17 614
32221001	Paperboard containers, boxes, and corrugated paperboard	X	130 329	X	79 243
32210015	Paper and paperboard products except paperboard boxes, containers, and corrugated paperboard	X	44 839	X	48 085
00970099	All other materials and components, parts, containers, and supplies	X	614 091	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	1 201 552	X	N
	339113, SURGICAL APPLIANCE & SUPPLIES MFG				
33910000	Surgical and orthopedic supplies, including sutures and hypodermic needles for further manufacture or assembly	X	568 409	X	N
001900B7	Resistors, capacitors, transformers, electron tubes, semiconductors, and other electronic components	X	97 807	X	N
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	37 369	X	N
33200043	All other fabricated metal products (except castings and forgings)	X	153 553	X	N
33211101	Iron and steel forgings	X	12 968	X	N
33211201	Nonferrous forgings	X	14 629	X	N
33151001	Iron and steel castings (rough and semifinished)	X	69 906	X	N
33152011	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished)	X	21 814	X	N
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	X	72 464	X	N
331000AJ	Nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	49 345	X	N
31323001	Nonwoven fabrics	X	328 109	X	N
31321025	Broadwoven fabrics	X	204 363	X	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	118 850	X	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	132 220	X	N
32610009	Fabricated plastics products	X	135 252	X	N
32600017	Fabricated rubber products, except tires, tubes, hose, belting, and gaskets	X	25 606	X	N
32720007	Glass and glass products, except photographic and projection lenses and prisms	X	4 974	X	N
32552001	Adhesives and sealants	X	30 954	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	112 896	X	N
32210015	Paper and paperboard products except paperboard boxes, containers, and corrugated paperboard	X	73 518	X	N
00970099	All other materials and components, parts, containers, and supplies	X	840 032	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	1 130 226	X	N
	339114, DENTAL EQUIPMENT & SUPPLIES MFG				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	15 215	X	N
33210001	Forgings	X	1 802	X	N
33100035	Castings (rough and semifinished)	X	12 570	X	N
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	X	17 085	X	N
33200095	Other fabricated metal products (except forgings)	X	46 306	X	54 217
331000AJ	Nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	9 767	X	9 300

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NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	339114, DENTAL EQUIPMENT & SUPPLIES MFG—Con.				
33141901	Precious metals (gold, platinum, etc.), all forms, including ingot, sheet, strip, solder, plating, electrodes, etc.	X	141 172	X	136 466
32500007	Chemicals, all types, except resins	X	54 138	X	31 614
001900B7	Resistors, capacitors, transformers, electron tubes, semiconductors, and other electronic components	X	29 659	X	8 770
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	11 407	X	10 981
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	13 606	X	10 933
32610011	Fabricated plastics products (except gaskets)	X	32 028	X	21 214
32720007	Glass and glass products, except photographic and projection lenses and prisms	X	14 341	X	15 083
32210015	Paper and paperboard products except paperboard boxes, containers, and corrugated paperboard	X	13 423	X	5 806
32221001	Paperboard containers, boxes, and corrugated paperboard	X	25 544	X	14 170
00970099	All other materials and components, parts, containers, and supplies	X	160 701	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	128 946	X	N
	339115, OPHTHALMIC GOODS MFG				
32721211	Lens blanks, optical and ophthalmic	X	199 015	X	144 688
33331403	Lenses and prisms for optical instruments, and sighting and fire control equipment	X	D	X	11 728
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	62 254	X	55 026
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	51 800	X	47 997
32221001	Paperboard containers, boxes, and corrugated paperboard	X	D	X	12 479
00970099	All other materials and components, parts, containers, and supplies	X	230 083	X	153 214
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	238 347	X	123 805
	339911, JEWELRY (EXCEPT COSTUME) MFG				
33200005	Fabricated metal products, including forgings	X	50 504	X	N
33100035	Castings (rough and semifinished)	X	D	X	N
32500067	Other chemicals and allied products	X	D	X	N
33141901	Precious metals (gold, platinum, etc.), all forms, including ingot, sheet, strip, solder, plating, electrodes, etc.	X	681 958	X	N
33100027	Other shapes and forms, including castings	X	92 727	X	N
33991303	Precious, semiprecious, and synthetic stones, and pearls; cut, polished, or drilled	X	497 539	X	N
33991301	Jewelers' findings, including joints, pins, clasps, chains, flat stock, etc.	X	94 358	X	N
33990000	Other jewelry, silverware, and plated ware	X	78 936	X	N
00970099	All other materials and components, parts, containers, and supplies	X	206 858	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	662 321	X	N
	339912, SILVERWARE & PLATED WARE MFG				
33100035	Castings (rough and semifinished)	X	3 924	X	N
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	N
331000AJ	Nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	D	X	N
33200081	Fabricated metal products (except forgings)	X	24 054	X	N
33210001	Forgings	X	D	X	N
33100003	Metal shapes and forms (except precious metals, castings, forgings, and fabricated metal products)	X	D	X	N
33141901	Precious metals (gold, platinum, etc.), all forms, including ingot, sheet, strip, solder, plating, electrodes, etc.	X	59 236	X	N
00970099	All other materials and components, parts, containers, and supplies	X	108 044	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	20 969	X	N
	339913, JEWELERS' MATERIAL & LAPIDARY WORK MFG				
33200005	Fabricated metal products, including forgings	X	D	X	22 278
33141901	Precious metals (gold, platinum, etc.), all forms, including ingot, sheet, strip, solder, plating, electrodes, etc.	X	122 995	X	122 961
33100027	Other shapes and forms, including castings	X	D	X	5 913
33991303	Precious, semiprecious, and synthetic stones, and pearls; cut, polished, or drilled	X	94 843	X	127 352
33991301	Jewelers' findings, including joints, pins, clasps, chains, flat stock, etc.	X	31 807	X	18 003
33990000	Other jewelry, silverware, and plated ware	X	40 795	X	171
00970099	All other materials and components, parts, containers, and supplies	X	5 948	X	10 251
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	129 428	X	167 334
	339914, COSTUME JEWELRY & NOVELTY MFG				
33200005	Fabricated metal products, including forgings	X	28 507	X	N
33100035	Castings (rough and semifinished)	X	D	X	N
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	N
33120017	Steel sheet and strip, including tin plate	X	D	X	N
33120021	Steel pipes (except castings, forgings, and fabricated metal products)	X	D	X	N
33142135	Copper and copper-base alloy pipe and tube (except castings, forgings, and fabricated metal products)	X	D	X	N
33142141	All other copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	N
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	N
33141901	Precious metals (gold, platinum, etc.), all forms, including ingot, sheet, strip, solder, plating, electrodes, etc.	X	24 373	X	N
33100027	Other shapes and forms, including castings	X	6 085	X	N
33991303	Precious, semiprecious, and synthetic stones, and pearls; cut, polished, or drilled	X	54 884	X	N
33991301	Jewelers' findings, including joints, pins, clasps, chains, flat stock, etc.	X	43 461	X	N
33990000	Other jewelry, silverware, and plated ware	X	39 097	X	N
00970099	All other materials and components, parts, containers, and supplies	X	65 646	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	118 044	X	N

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		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	339920, SPORTING & ATHLETIC GOODS MFG				
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	78 574	X	59 208
33200095	Other fabricated metal products (except forgings)	X	158 973	X	149 813
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	82 842	X	26 338
33152015	Other castings (rough and semifinished)	X	154 799	X	64 317
33210001	Forgings	X	3 608	X	2 251
33120017	Steel sheet and strip, including tin plate	X	96 470	X	54 668
33120027	All other steel shapes and forms (except castings, forgings, and fabricated metal products)	X	148 334	X	120 302
33131501	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing	X	22 833	X	52 123
33100055	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	56 615	X	14 739
33100077	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	20 234	X	25 920
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	52 525	X	33 409
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	176 452	X	174 907
32500051	All other chemicals and allied products	X	55 129	X	15 496
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	137 861	X	102 217
31320007	Cotton, wool, manmade fiber fabrics, etc.	X	98 397	X	76 459
31611001	Finished leather	X	15 285	X	17 387
32100019	Rough and dressed lumber	X	87 479	X	62 671
00190004	Parts specially designed for sporting goods	X	567 860	X	495 599
32221001	Paperboard containers, boxes, and corrugated paperboard	X	161 873	X	81 040
00970099	All other materials and components, parts, containers, and supplies	X	877 911	X	606 757
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	766 040	X	597 644
	339931, DOLL & STUFFED TOY MFG				
33200005	Fabricated metal products, including forgings	X	D	X	N
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	X	88	X	D
33100041	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	D
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	6 262	X	2 063
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	898	X	848
31321023	Broadwoven fabrics (piece goods)	X	15 297	X	6 927
32213001	Paperboard (including news, chip, pasted, tablet, check, binders' board), except for shipping	X	D	X	895
32221001	Paperboard containers, boxes, and corrugated paperboard	X	1 115	X	933
32200003	Other paper products	X	177	X	167
32100025	Hardwood lumber, rough and dressed	X	D	X	D
32100031	Softwood lumber, rough and dressed	X	D	X	N
32100005	Other wood products (except lumber)	X	186	X	D
001900B4	Electronic components and accessories, including circuit boards and recording heads	X	D	X	N
33993100	Doll parts	X	20 175	X	15 736
00970099	All other materials and components, parts, containers, and supplies	X	12 065	X	16 525
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	28 889	X	30 579
	339932, GAME, TOY, & CHILDREN'S VEHICLE MFG				
33200005	Fabricated metal products, including forgings	X	30 978	X	N
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	X	24 896	X	N
33100041	All other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	317 128	X	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	140 709	X	N
31321023	Broadwoven fabrics (piece goods)	X	22 686	X	N
32213001	Paperboard (including news, chip, pasted, tablet, check, binders' board), except for shipping	X	77 885	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	150 304	X	N
32200003	Other paper products	X	45 536	X	N
32100025	Hardwood lumber, rough and dressed	X	21 740	X	N
32100031	Softwood lumber, rough and dressed	X	11 267	X	N
32100005	Other wood products (except lumber)	X	13 596	X	N
001900B4	Electronic components and accessories, including circuit boards and recording heads	X	58 927	X	N
33993100	Doll parts	X	D	X	N
00970099	All other materials and components, parts, containers, and supplies	X	324 377	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	182 950	X	N
	339941, PEN & MECHANICAL PENCIL MFG				
32100001	Lumber and wood products, except furniture	X	D	X	D
32221001	Paperboard containers, boxes, and corrugated paperboard	X	33 932	X	40 058
32513005	Pigments, lakes, and toners; organic and inorganic	X	D	X	N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	2 574	X	D
32500059	Other chemicals and allied products	X	13 169	X	28 967
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	67 772	X	26 502
32700001	Stone, clay, glass, and concrete products	X	D	X	N
33200005	Fabricated metal products, including forgings	X	41 945	X	27 730
33994100	Parts for pens and mechanical pencils	X	177 326	X	156 554
00970099	All other materials and components, parts, containers, and supplies	X	107 303	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	31 605	X	12 633

Table 1. Materials Consumed by Kind by Industry: 1997 and 1992—Con.

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	339942, LEAD PENCIL & ART GOOD MFG				
33120017	Steel sheet and strip, including tin plate	X	6 983	X	N
33100055	All other aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	8 239	X	N
32100025	Hardwood lumber, rough and dressed	X	409	X	N
32100031	Softwood lumber, rough and dressed	X	655	X	N
32121903	Particleboard (wood)	X	1 845	X	N
32121907	Medium density fiberboard (MDF)	X	D	X	N
32121909	Hardboard	X	2 232	X	N
31321019	Uncoated broadwoven fabrics for upholstery	X	D	X	N
32721101	Flat glass (plate, float, and sheet)	X	665	X	N
32552001	Adhesives and sealants	X	1 204	X	N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	4 287	X	N
33251001	Furniture and builders' hardware, including cabinet hardware, casters, glides, handles, hinges, locks, etc.	X	1 382	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	39 789	X	N
32100001	Lumber and wood products, except furniture	X	40 661	X	N
32513005	Pigments, lakes, and toners; organic and inorganic	X	28 451	X	N
32500059	Other chemicals and allied products	X	30 357	X	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	36 525	X	N
32700001	Stone, clay, glass, and concrete products	X	6 282	X	N
33200005	Fabricated metal products, including forgings	X	11 835	X	N
33994100	Parts for pens and mechanical pencils	X	4 796	X	N
00970099	All other materials and components, parts, containers, and supplies	X	109 858	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	71 917	X	N
	339943, MARKING DEVICE MFG				
32100001	Lumber and wood products, except furniture	X	15 447	X	2 056
32221001	Paperboard containers, boxes, and corrugated paperboard	X	14 185	X	1 118
32513005	Pigments, lakes, and toners; organic and inorganic	X	D	X	N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	2 088	X	D
32500059	Other chemicals and allied products	X	1 999	X	1 522
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	25 450	X	9 217
32700001	Stone, clay, glass, and concrete products	X	D	X	N
33200005	Fabricated metal products, including forgings	X	26 657	X	9 813
33994100	Parts for pens and mechanical pencils	X	D	X	D
00970099	All other materials and components, parts, containers, and supplies	X	66 462	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	29 457	X	56 886
	339944, CARBON PAPER & INKED RIBBON MFG				
31320003	Textile fabrics	X	12 259	X	N
32212005	Purchased (market) paper	X	27 731	X	42 610
32221001	Paperboard containers, boxes, and corrugated paperboard	X	32 371	X	20 408
32200009	Other paper and allied products	X	17 864	X	D
32518200	Carbon black	X	8 163	X	2 973
32591003	Printing ink	X	8 742	X	8 378
32500057	Other chemicals and allied products	X	63 726	X	29 481
00970099	All other materials and components, parts, containers, and supplies	X	160 993	X	110 246
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	45 167	X	37 792
	339950, SIGN MFG				
32121001	Veneer and plywood	X	43 969	X	61 884
32200001	Paper and paperboard products including paperboard boxes, containers, and corrugated paperboard	X	157 618	X	154 589
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	43 839	X	41 891
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	32 007	X	34 010
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	262 370	X	178 961
33251005	Metal hardware, including hinges, handles, locks, casters, etc.	X	47 833	X	33 687
33200047	All other fabricated metal products (except castings and forgings)	X	132 092	X	89 607
33100035	Castings (rough and semifinished)	X	9 002	X	2 880
33210001	Forgings	X	2 377	X	465
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	X	35 239	X	31 589
331000AJ	Nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	38 668	X	38 581
33531100	Specialty transformers and fluorescent ballasts	X	59 286	X	51 327
32100043	Wood other than veneer and plywood	X	48 997	X	N
00190094	Manufactured products used for advertising specialties, such as pens, pencils, key chains, calendars, magnets, etc.	X	79 503	X	N
31300045	Textiles and fabrics	X	20 305	X	N
32591003	Printing ink	X	12 740	X	N
00970099	All other materials and components, parts, containers, and supplies	X	561 328	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	1 102 343	X	644 013
	339991, GASKET, PACKING, & SEALING DEVICE MFG				
32199901	Cork products	X	23 648	X	53 932
32212029	Building paper and board	X	52 926	X	59 683
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	130 979	X	52 380
32521205	Synthetic rubber	X	182 457	X	140 489
32520005	Other plastics materials and synthetic resins	X	78 032	X	93 659
11321001	Natural rubber	X	37 380	X	10 715
32600017	Fabricated rubber products, except tires, tubes, hose, belting, and gaskets	X	70 989	X	46 976
33290009	Fabricated metal wire products (including wire rope, cable, springs, etc.)	X	27 408	X	17 720
33200015	All other fabricated metal products (including forgings)	X	126 049	X	116 201
33120013	Steel tinplate, tin free steel, terneplate, and blackplate	X	21 380	X	13 800
33120077	All other steel shapes and forms (except forgings and fabricated metal products)	X	102 631	X	118 303
32799213	Natural graphite	X	29 593	X	N
32799901	Artificial graphite	X	1 818	X	N
32799201	Carbon, ground or treated	X	30 051	X	N

Table 1. Materials Consumed by Kind by Industry: 1997 and 1992—Con.

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	339991, GASKET, PACKING, & SEALING DEVICE MFG—Con.				
00970099	All other materials and components, parts, containers, and supplies	X	600 324	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	237 074	X	130 741
	339992, MUSICAL INSTRUMENT MFG				
32100019	Rough and dressed lumber	X	62 565	X	46 741
32221001	Paperboard containers, boxes, and corrugated paperboard	X	13 667	X	5 356
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	7 531	X	4 755
33431005	Loudspeakers, microphones, and tuners (all types)	X	4 887	X	4 126
001900A9	All other electronic and electrical equipment and components, except computer equipment	X	8 302	X	N
001900B4	Electronic components and accessories, including circuit boards and recording heads	X	33 649	X	44 648
33999200	Parts specially designed for musical instruments, including actions, strings, mouthpieces, etc.	X	100 119	X	100 313
00970099	All other materials and components, parts, containers, and supplies	X	118 230	X	76 700
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	54 818	X	48 655
	339993, FASTENER, BUTTON, NEEDLE, & PIN MFG				
33200005	Fabricated metal products, including forgings	X	20 467	X	21 759
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	X	15 042	X	17 227
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	12 535	X	5 350
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	52 600	X	46 826
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	2 687	X	5 570
31320005	Cotton and manmade fiber fabrics, broadwoven and narrow woven	X	38 866	X	46 836
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	25 233	X	17 609
33999301	Buttons, zippers, and slide fasteners	X	12 905	X	15 932
00970099	All other materials and components, parts, containers, and supplies	X	83 422	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	42 333	X	N
	339994, BROOM, BRUSH, & MOP MFG				
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	85 035	X	N
33200081	Fabricated metal products (except forgings)	X	28 115	X	N
33100035	Castings (rough and semifinished)	X	1 350	X	503
33210001	Forgings	X	423	X	N
33100033	Metal shapes and forms, except castings, forgings, and fabricated metal products	X	22 010	X	N
11199800	Broomcorn	X	9 515	X	9 052
31300001	Yarns and textiles made of cotton, wool, silk, and manmade fibers	X	151 371	X	35 846
32100045	All other wood products except wood brush handles and backs and furniture	X	7 378	X	N
32199903	Wood brush handles and backs	X	56 002	X	30 047
32221001	Paperboard containers, boxes, and corrugated paperboard	X	60 050	X	29 363
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	75 459	X	47 680
33999900	Dressed hair (including bristle and horsehair)	X	26 827	X	16 348
00970099	All other materials and components, parts, containers, and supplies	X	270 196	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	41 641	X	N
	339995, BURIAL CASKET MFG				
31320007	Cotton, wool, manmade fiber fabrics, etc.	X	52 343	X	55 148
32100019	Rough and dressed lumber	X	43 412	X	39 981
33251003	Metal casket and casket shell hardware	X	48 273	X	59 782
33200045	Other fabricated metal products (except castings and forgings)	X	12 380	X	11 754
33100035	Castings (rough and semifinished)	X	D	X	N
33210001	Forgings	X	D	X	N
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	X	83 389	X	68 991
331000AJ	Nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	D	X	18 999
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	X	20 936	X	21 076
00970099	All other materials and components, parts, containers, and supplies	X	17 501	X	20 043
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	28 510	X	43 865
	339999, ALL OTHER MISCELLANEOUS MFG				
11331015	Hardwood logs and bolts				
	 mil bd ft Intl 1/4 in. scale ..	D	D	X	N
32100023	Hardwood rough lumber	30.4	21 505	X	N
32100029	Softwood rough lumber	8.6	3 299	X	N
32100027	Hardwood dressed lumber	S	26 638	X	N
32100033	Softwood dressed lumber	35.1	20 973	X	N
32100007	Chips, slabs, edgings, shavings, sawdust, and other wood waste	X	D	X	N
32191203	Hardwood cut stock and dimension, excluding furniture frames	X	7 036	X	N
32121101	Hardwood plywood	D	D	X	N
32121201	Softwood plywood			X	N
	 mil sq ft (3/8 in. basis) ..	D	D	X	N
32121901	Reconstituted wood products, including particleboard, oriented strandboard, medium density fiberboard, and hardboard	X	9 423	X	N
32551003	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products				
	 1,000 gallons ..	631.9	6 870	X	N
32721103	Glass (float, sheet and plate)	X	18 453	X	N
33200005	Fabricated metal products, including forgings	X	3 271	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard	X	281 943	X	N
33200081	Fabricated metal products (except forgings)	X	260 394	X	N
33100035	Castings (rough and semifinished)	X	18 590	X	N
33210001	Forgings	X	8 760	X	N
33120001	Steel shapes and forms (except castings, forgings, and fabricated metal products)	X	106 651	X	N
33142111	Copper and copper-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	15 313	X	N

Table 1. Materials Consumed by Kind by Industry: 1997 and 1992—Con.

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS material code	Industry and materials consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
	339999, ALL OTHER MISCELLANEOUS MFG—Con.				
33100039	Aluminum and aluminum-base alloy shapes and forms (except castings, forgings, and fabricated metal products)	X	29 104	X	N
33100083	Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products)	X	31 669	X	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	145 229	X	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	113 365	X	N
32100019	Rough and dressed lumber	X	29 083	X	N
00970099	All other materials and components, parts, containers, and supplies	X	971 198	X	N
00971000	Materials, ingredients, containers, and supplies, n.s.k.	X	986 189	X	N

Additional information is available for this item; see Appendix F.

Appendix A.

Explanation of Terms

COST OF MATERIALS

This term refers to direct charges actually paid or payable for items consumed or put into production during the year, including freight charges and other direct charges incurred by the establishment in acquiring these materials. It includes the cost of materials or fuel consumed, whether purchased by the individual establishment from other companies, transferred to it from other establishments of the same company, or withdrawn from inventory during the year.

Included in this item are costs of parts, components, containers, etc., which includes all raw materials, semifinished goods, parts, containers, scrap, and supplies put into production or used as operating supplies and for repair and maintenance during the year.

Specific Materials Consumed

In addition to the total cost of materials, which every establishment was required to report, information also was collected for most manufacturing industries on the consumption of major materials used in manufacturing. The inquiries were restricted to those materials which were important parts of the cost of production in a particular industry and for which cost information was available from manufacturers' records. If less than \$25,000 of a listed material was consumed by an establishment, the cost data could be reported in the "Cost of all other materials..." Census material code 00970099. Also, the cost of materials for small establishments for which administrative records or short forms were used was imputed into the "Materials not specified by kind," Census materials code 00971000.

Appendix B.

NAICS Codes, Titles, and Descriptions

Not applicable for this report.

Appendix C.

Coverage and Methodology

MAIL/NONMAIL UNIVERSE

The manufacturing universe includes about 400,000 establishments. This number includes those industries in the North American Industry Classification System (NAICS) definition of manufacturing, but not those industries leaving the manufacturing sector in the classification change. The amounts of information requested from manufacturing establishments were dependent upon a number of factors. The more important considerations were the size of the company and whether it was included in the annual survey of manufactures (ASM). The methods of obtaining information for the various subsets of the universe to arrive at the aggregate figures shown in the publication are described below:

1. Small single-establishment companies not sent a report form.

Approximately 40 percent of the manufacturing establishments were small single-establishment companies that were excused from filing a census report. Selection of these establishments was based on two factors: annual payroll and our ability to assign the correct six-digit NAICS industry classification to the establishment. For each four-digit Standard Industrial Classification (SIC) industry code, an annual payroll cutoff was determined. These cutoffs were derived so that the establishments with payroll less than the cutoff were expected to account for no more than 3 percent of the value of shipments for the industry. Generally, all single-establishment companies with less than 5 employees were excused, while all establishments with more than 20 employees were mailed forms. Establishments below the cutoff that could not be directly assigned a six-digit NAICS code were mailed a classification report which requested information for assigning NAICS industry codes. Establishments below the cutoff that could be directly assigned a six-digit NAICS code were excused from filing any report. For below cutoff establishments, information on the physical location, payroll, and receipts was obtained from the administrative records of other Federal agencies under special arrangements that safeguarded their confidentiality.

Estimates of data for these small establishments were developed using industry averages in conjunction with the administrative information. The value of shipments and cost of materials were not distributed among specific products and materials for these

establishments but were included in the product and material “not specified by kind” (nisk) categories.

The industry classification codes included in the administrative-record files were assigned on the basis of brief descriptions of the general activity of the establishment. As a result, an indeterminate number of establishments were erroneously coded to a four-digit SIC industry and then erroneously re-coded to a six-digit NAICS industry. This was especially true whenever there was a relatively fine line of demarcation between industries or between manufacturing and nonmanufacturing activity.

Sometimes the administrative-record cases had only two- or three-digit SIC group classification codes available in the files. For the 1997 Economic Census – Manufacturing, these establishments were sent a separate classification form, which requested information on the products and services of the establishment. This form was used to code many of these establishments to the appropriate six-digit NAICS level. Establishments that did not return the classification form were coded later to those six-digit NAICS industries identified as “All other” industries within the given subsector.

As a result of these situations, a number of small establishments may have been misclassified by industry. However, such possible misclassification has no significant effect on the statistics other than on the number of companies and establishments.

The total establishment count for individual industries should be viewed as an approximation rather than a precise measurement. The counts for establishments with 20 employees or more are far more reliable than the count of total number of establishments.

2. Establishments sent a report form.

The establishments covered in the mail canvass were divided into three groups:

- a. ASM sample establishments.

This group accounts for approximately 15 percent of all manufacturing establishments. The ASM panel covers all the units of large manufacturing establishments as well as a sample of the medium and smaller establishments. The probability of selection was proportionate to size. For more information, see the Description of the ASM Survey Sample.

In an economic census year, the ASM report form (MA-1000) replaces the first page of the regular census form for those establishments included in the ASM. In addition to information on employment, payroll, and other items normally requested on the regular census form, establishments in the ASM sample were requested to supply additional information on gross book value of assets and capital expenditures. ASM establishments were also requested to provide information on retirements, depreciation, rental payments, and supplemental labor costs. For establishments not included in the ASM, these additional items were estimated using relationships observed in the ASM establishment data. The census statistics for these variables are a sum of the ASM establishment data and the estimated data for non-ASM establishments. ASM establishments were also requested to provide information for selected purchased services. The census statistics for the purchased service items were derived solely from the ASM establishments. See Appendix A, Explanation of Terms for an explanation of these items. The census part of the report form is 1 of 220 versions containing product, material, and special inquiries. The diversity of manufacturing activities necessitated the use of this many forms to canvass the 480 manufacturing industries. Each form was developed for a group of related industries.

Appearing on each form was a list of products primary to the group of related industries as well as secondary products and miscellaneous services that establishments classified in these industries were likely to perform. Respondents were requested to identify the products, the value of each product, and, in many cases, the quantity of the product shipped during the survey year. Space also was provided for the respondent to describe products not specifically identified on the form.

The report form also contained a materials-consumed inquiry which varied from form to form depending on the industries being canvassed. The respondents were asked to review a list of materials generally used in their production processes. From this list, each establishment was requested to identify those materials consumed during the survey year, the cost of each, and, in certain cases, the quantity consumed. Once again, space was provided for the respondent to describe significant materials not identified on the form.

A wide variety of special inquiries was included to measure activities peculiar to a given industry, such as operations performed and equipment used.

b. Large and medium establishments (non-ASM).

Approximately 30 percent of all manufacturing establishments were included in this group. A variable cutoff, based on administrative-record payroll data and determined on an industry-by-industry basis, was used to select those establishments that were to receive 1 of the 220 economic census – manufacturing regular forms. The first page, requesting establishment data for items such as employment and payroll, was standard but did not contain the detailed statistics included on the ASM form. The product, material, and special inquiry sections supplied were based on the historical industry classification of the establishment.

c. Small single-establishment companies (non-ASM).

This group includes approximately 15 percent of all manufacturing establishments. For those industries where application of the variable cutoff for administrative-record cases resulted in a large number of small establishments being included in the mail canvass, an abbreviated or short form was used. These establishments received 1 of the 31 versions of the short form, which requested summary product and material data and totals but no details on employment, payroll, cost of materials, inventories, and capital expenditures.

Use of the short form has no adverse effect on published totals for the industry statistics because the same data were collected on the short form as on the long form. However, detailed information on products and materials consumed was not collected on the short form; thus, its use would increase the value of the *nsk* categories.

INDUSTRY CLASSIFICATION OF ESTABLISHMENTS

Each of the establishments covered in the 1997 Economic Census – Manufacturing was classified in 1 of 480 industries (473 manufacturing industries and 7 former manufacturing industries) in accordance with the industry definitions in the 1997 NAICS Manual. This is the first edition of the NAICS Manual and it is a major change from the 1987 SIC Manual that was used previously. Appendix A of the 1997 NAICS Manual notes the comparability between the 1987 SIC and 1997 NAICS classification systems. When applicable, Appendix G of this report shows the product class and product comparability between the two systems for data in this report.

In the NAICS system, an industry is generally defined as a group of establishments that have similar production processes. To the extent practical, the system uses supply-based or production-oriented concepts in defining industries. The resulting group of establishments must be significant in terms of number, value added by manufacture, value of shipments, and number of employees.

The coding system works in such a way that the definitions progressively become narrower with successive additions of numerical digits. In the manufacturing sector for 1997, there are 21 subsectors (three-digit NAICS), 86 industry groups (four-digit NAICS), 184 NAICS industries (five-digit NAICS) that are comparable with Canadian and Mexican classification, and 473 U.S. industries (six-digit NAICS). This represents an expansion of the four-digit SIC-based U.S. industries from 459 in 1987. Product classes and products of the manufacturing industries have been assigned codes based on the industry from which they originate. In the new system, there are about 1,500 product classes (seven-digit codes), about 6,000 census products, and an additional 3,700 CIR products (ten-digit codes). The ten-digit products are considered the primary products of the industry with the same first six digits. These counts do not include the seven former manufacturing industries that are included in the 1997 Economic Census – Manufacturing.

For the 1997 Economic Census – Manufacturing, all establishments were classified in particular industries based on the products they produced. If an establishment made products of more than one industry, it was classified in the industry with the largest product value. For 1997, there were no “resistance rules” or “frozen industries.”

In ASM years, establishments included in the ASM sample with certainty weights are reclassified by industry only if the change in the primary activity from the prior year is significant or if the change has occurred for 2 successive years. This procedure prevents reclassification when there are minor shifts in product mix.

In ASM years, establishments included in the ASM sample with noncertainty weight are not shifted from one industry classification to another. They are retained in the industry where they were classified in the base census year. However, in the following census year, these ASM plants are allowed to shift from one industry to another.

The results of these rules covering the switching of plants from one industry classification to another are that some industries comprise different mixes of establishments in different survey years. Hence, comparisons between prior-year and current-year published totals, particularly at the six-digit NAICS level, should be viewed with caution. This is particularly true for the comparison between the data shown for a census year versus the data shown for the previous ASM year.

As previously noted, the small establishments that may have been misclassified by industry are usually administrative-record cases whose industry codes were assigned on the basis of incomplete descriptions of the general activity of the establishment. Such possible misclassifications have no significant effect on the statistics other than on the number of companies and establishments.

Establishments frequently make products classified both in their industry (primary products) and other industries (secondary products). Industry statistics (employment, payroll, value added by manufacture, value of shipments, etc.) reflect the activities of the establishments which may make both primary and secondary products. Product statistics, however, represent the output of all establishments without regard for the classification of the producing establishment. For this reason, when relating the industry statistics, especially the value of shipments, to the product statistics, the composition of the industry’s output should be considered.

The extent to which industry and product statistics may be matched with each other is measured by the primary product specialization ratio and the coverage ratio. The primary product specialization ratio is the proportion of industry shipments accounted for by the primary products of establishments classified in the industry. The coverage ratio is the proportion of product shipments accounted for by establishments classified in the industry.

ESTABLISHMENT BASIS OF REPORTING

The economic census – manufacturing is conducted on an establishment basis. A company operating at more than one location is required to file a separate report for each location or establishment. The ASM also is conducted on an establishment basis, but separate reports are filed for just those establishments selected in the sample. Companies engaged in distinctly different lines of activity at one location are requested to submit separate reports if the plant records permit such a separation and if the activities are substantial in size.

In 1997, as in earlier years, a minimum size limit was set for inclusion of establishments in the census. All establishments employing one person or more at any time during the census year are included. The same size limitation has applied since 1947 in censuses and annual surveys of manufactures. In the 1939 and earlier censuses, establishments with less than \$5,000 value of products were excluded. The change in the minimum size limit in 1947 does not appreciably affect the historical comparability of the census figures except for data on number of establishments for a few industries.

The 1997 Economic Census – Manufacturing excludes data for central administrative offices (CAOs). These would include separately operated administrative offices, warehouses, garages, and other auxiliary units that service manufacturing establishments of the same company. These data are published in a separate report series.

DESCRIPTION OF THE ASM SURVEY SAMPLE

The annual survey of manufactures (ASM) sample is drawn for the second survey year after a census. The most recent sample was drawn for the 1994 survey year based on the 1992 Census of Manufactures. This sample will be in place through the 1998 ASM.

In 1992, there were approximately 370,000 individual manufacturing establishments. For sample efficiency and cost considerations, the 1992 manufacturing population was partitioned into two components for developing estimates within the ASM; a mail stratum and a nonmail stratum.

Mail stratum. The mail stratum of the survey is comprised of larger single-location manufacturing companies and all manufacturing establishments of multiunit companies (companies that operate at more than one physical location). Approximately 230,000 of the 370,000 establishments in the 1992 census were assigned to the mail stratum. On an annual basis, the mail stratum is supplemented with larger, newly active single-location companies identified from a list provided by the Internal Revenue Service (IRS) and new manufacturing locations of multiunit companies identified from the Census Bureau's Company Organization Survey (COS).

For the 1994 survey, a new sample of approximately 58,000 individual establishments was selected from the mail stratum assembled from the 1992 census. Supplemental samples representing both 1993 and 1994 births (newly active establishments that were not included in the 1992 census) were also selected. Establishments selected for the sample are mailed an ASM survey questionnaire for each year through 1998.

The 1994-98 ASM sample design is similar to the one used since 1984. Companies in the 1992 Census of Manufactures with manufacturing shipments of at least \$500 million were defined as company certainties. For these large companies, each manufacturing establishment is included in the mail sample. For the 1994-98 sample, there are approximately 650 certainty companies collectively accounting for over 18,000 establishments.

For the remaining portion of the mail component of the survey, the establishment was defined as the sample unit. All establishments with 250 employees or more were defined as employment certainties. In addition, all establishments producing products in SIC 3571 (Electronic Computers) were defined as certainties. Across these three arbitrary certainty classes, there were approximately 25,000 establishments included in the sample with certainty. Collectively, these certainty establishments accounted for approximately 80 percent of the total value of shipments in the 1992 Census of Manufactures.

Smaller establishments in the remaining portion of the mail stratum were sampled with probabilities ranging from .02 to 1.00. The initial probabilities of selection assigned to these establishments were proportionate to a measure-of-size determined for each establishment. The measure-of-size was a function of the establishment's 1992 industry classification, its 1992 product class data, and the historical variability of the year-to-year estimates of the product class estimates. For each product class (1,755) and four-digit industry (459), a desired reliability

constraint was specified. Using a technique developed by Dr. James R. Chromy of the Research Triangle Institute, the initial establishment probabilities were optimized such that the expected sample satisfied all industry and product class reliability constraints while the sample size was minimized. This technique reduces the likelihood of selecting nonrepresentative samples for individual product classes or industries.

This method of assigning probabilities based on product class shipments is motivated by our primary desire to produce reliable estimates of both product class and industry shipments. The high correlation between shipments and employment, value-added, and other general statistics assures that these variables will also be well represented by the sample. The actual sample selection procedure uses an independent chance of selection method (Poisson sampling) which permits us to prevent small establishments from being selected in consecutive samples without introducing a bias into the survey estimates.

Nonmail component. The initial nonmail component of the survey was comprised of approximately 140,000 small, single-establishment companies that were tabulated as administrative records in the 1992 Census of Manufactures. The nonmail stratum is also supplemented annually using the list of newly active single-location companies provided by the Internal Revenue Service (IRS) and payroll cutoffs. Companies with payroll below the payroll cutoff are added to the nonmail stratum. For this portion of the population, sampling is not used. The data for this group are estimated based on selected information obtained annually from the administrative records of the IRS and Social Security Administration (SSA). This administrative information, which includes payroll, total employment, industry classification, and physical location, is obtained under conditions which safeguard the confidentiality of both tax and census records.

DESCRIPTION OF THE ASM ESTIMATING PROCEDURE

Most of the ASM estimates derived for the mail stratum are computed using a difference estimator. At the establishment level, there is a strong correlation between the current-year data values and the corresponding 1992 (base) data values. Therefore, within the mailed stratum, for each item at each level of aggregation, an estimate of the "difference" between the current year and the base year is computed from sample cases and added to the corresponding base-year values. For the 1993-1997 ASM estimates, the 1992 Census of Manufactures values serve as the base year. For the 1998 ASM, the base will be updated to be the 1997 Economic Census – Manufacturing.

Due to the positive year-to-year correlation, estimates derived using this methodology are generally more reliable than comparable estimates developed from the current sample data alone. Estimates for the capital expenditures variables are not generated using the difference

estimator because the year-to-year correlations are considerably weaker. The standard linear estimator is used for these variables.

For the nonmail stratum, estimates for payroll and employment are directly tabulated from the administrative-record data provided by IRS and SSA. Estimates of data other than payroll and employment are developed from industry averages. Although the nonmail stratum contains approximately 170,000 individual establishments in 1994, it accounts for less than 2 percent of the estimate for total value of shipments at the total manufacturing level.

Corresponding estimates for the mail and nonmail components are combined to produce the estimates included in this publication.

QUALIFICATIONS OF THE ASM DATA

The estimates developed from the sample are apt to differ somewhat from the results of a survey covering all companies in the sample lists but otherwise conducted under essentially the same conditions as the actual sample survey. The estimates of the magnitude of the sampling errors (the difference between the estimates obtained and the results theoretically obtained from a comparable, complete-coverage survey) are provided by the standard errors of estimates.

The particular sample selected for the ASM is one of many similar probability samples that, by chance, might have been selected under the same specifications. Each of the possible samples would yield somewhat different sets of results, and the standard errors are measures of the variation of all the possible sample estimates around the theoretically comparable, complete-coverage values.

Estimates of the standard errors have been computed from the sample data for selected ASM statistics in this report. They are represented in the form of relative standard errors (the standard errors divided by the estimated values to which they refer).

In conjunction with its associated estimate, the relative standard error may be used to define confidence intervals (ranges that would include the comparable, complete-coverage value for specified percentages of all the possible samples).

The complete-coverage value would be included in the range:

From one standard error below to one standard error above the derived estimate for about two-thirds of all possible samples.

From two standard errors below to two standard errors above the derived estimate for about 19 out of 20 of all possible samples.

From three standard errors below to three standard errors above the derived estimate for nearly all samples.

An inference that the comparable, complete-survey result would be within the indicated ranges would be correct in approximately the relative frequencies shown. Those proportions, therefore, may be interpreted as defining the confidence that the estimates from a particular sample would differ from complete-coverage results by as much as one, two, or three standard errors, respectively.

For example, suppose an estimated total is shown at 50,000 with an associated relative standard error of 2 percent, that is, a standard error of 1,000 (2 percent of 50,000). There is approximately 67 percent confidence that the interval 49,000 to 51,000 includes the complete-coverage total, about 95 percent confidence that the interval 48,000 to 52,000 includes the complete-coverage total, and almost certain confidence that the interval 47,000 to 53,000 includes the complete-coverage total.

In addition to the sample errors, the estimates are subject to various response and operational errors: errors of collection, reporting, coding, transcription, imputation for nonresponse, etc. These operational errors also would occur if a complete canvass were to be conducted under the same conditions as the survey. Explicit measures of their effects generally are not available. However, it is believed that most of the important operational errors were detected and corrected during the Census Bureau's review of the data for reasonableness and consistency. The small operational errors usually remain. To some extent, they are compensating in the aggregated totals shown. When important operational errors were detected too late to correct the estimates, the data were suppressed or were specifically qualified in the tables.

As derived, the estimated standard errors included part of the effect of the operational errors. The total errors, which depend upon the joint effect of the sampling and operational errors, are usually of the order of size indicated by the standard error, or moderately higher. However, for particular estimates, the total error may considerably exceed the standard errors shown. Any figures shown in the tables in this publication having an associated standard error exceeding 15 percent may be combined with higher level totals, creating a broader aggregate, which then may be of acceptable reliability.

DATA FROM THE CURRENT INDUSTRIAL REPORTS (CIR)

The CIR program provides product statistics for selected manufacturing industries at the U.S. level annually and, in some cases, monthly and/or quarterly. When detail product data are collected in the CIR, they are not also collected in the census. However, the annual CIR data are included in the census Product Summary report.

The CIR program uses a unified data collection, processing, and publication system. The Census Bureau updates the survey panels for most reports annually and reconciles the estimates to the results of the broader-based annual survey of manufactures and the economic

census – manufacturing. The economic census – manufacturing provides a complete list of all producers of the products covered by the CIR program and serves as the primary source for CIR sampling. Where a small number of producers exist, CIR surveys cover all known producers of a product. However, when the number of producers is large, cutoff and random sampling techniques are used. Surveys are continually reviewed and modified to provide the most up-to-date information on products produced. While the CIR program includes both mandatory and voluntary surveys, the annual data are mandatory.

DUPLICATION IN COST OF MATERIALS AND VALUE OF SHIPMENTS

Data for cost of materials and value of shipments include varying amounts of duplication, especially at higher levels of aggregation. This is because the products of one establishment may be the materials of another. The value added statistics avoid this duplication and are, for most purposes, the best measure for comparing the relative economic importance of industries and geographic areas.

VALUE OF INDUSTRY SHIPMENTS COMPARED WITH VALUE OF PRODUCT SHIPMENTS

The 1997 Economic Census – Manufacturing shows value of shipments data for industries and products. In the industry statistics tables and files, these data represent the total value of shipments of all establishments classified in a particular industry. The data include the shipments of the products classified in the industry (primary to the industry), products classified in other industries (secondary to the industry), and miscellaneous receipts (repair work, sale of scrap, research and development, installation receipts, and resales). Value of product shipments shown in the products statistics tables and files represent the total value of all products shipped that are classified as primary to an industry regardless of the classification of the producing establishment.

Appendix D. Geographic Notes

Not applicable for this report.

Appendix E. Metropolitan Areas

Not applicable for this report.

Appendix F.

Footnotes for Materials Consumed by Kind

Materials Statistics

NAICS material code	Footnote
# 33100077	Materials code 33100077, Other nonferrous shapes and forms (except castings, forgings, and fabricated metal products), includes all nonferrous shapes and forms, including aluminum, copper, etc.

Product Summary

1997

Issued October 2001

EC97M31S-PS

1997 Economic Census

Manufacturing

Subject Series



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-- Not applicable for this report.

Introduction to the Economic Census

PURPOSES AND USES OF THE ECONOMIC CENSUS

The economic census is the major source of facts about the structure and functioning of the Nation's economy. It provides essential information for government, business, industry, and the general public. Title 13 of the United States Code (Sections 131, 191, and 224) directs the Census Bureau to take the economic census every 5 years, covering years ending in 2 and 7.

The economic census furnishes an important part of the framework for such composite measures as the gross domestic product estimates, input/output measures, production and price indexes, and other statistical series that measure short-term changes in economic conditions. Specific uses of economic census data include the following:

- Policymaking agencies of the Federal Government use the data to monitor economic activity and assess the effectiveness of policies.
- State and local governments use the data to assess business activities and tax bases within their jurisdictions and to develop programs to attract business.
- Trade associations study trends in their own and competing industries, which allows them to keep their members informed of market changes.
- Individual businesses use the data to locate potential markets and to analyze their own production and sales performance relative to industry or area averages.

ALL-NEW INDUSTRY CLASSIFICATIONS

Data from the 1997 Economic Census are published primarily on the basis of the North American Industry Classification System (NAICS), unlike earlier censuses, which were published according to the Standard Industrial Classification (SIC) system. NAICS is in the process of being adopted in the United States, Canada, and Mexico. Most economic census reports cover one of the following NAICS sectors:

21	Mining
22	Utilities
23	Construction
31-33	Manufacturing
42	Wholesale Trade
44-45	Retail Trade
48-49	Transportation and Warehousing
51	Information

52	Finance and Insurance
53	Real Estate and Rental and Leasing
54	Professional, Scientific, and Technical Services
55	Management of Companies and Enterprises
56	Administrative and Support and Waste Management and Remediation Services
61	Educational Services
62	Health Care and Social Assistance
71	Arts, Entertainment, and Recreation
72	Accommodation and Foodservices
81	Other Services (except Public Administration)

(Not listed above are the Agriculture, Forestry, Fishing, and Hunting sector (NAICS 11), partially covered by the census of agriculture conducted by the U.S. Department of Agriculture, and the Public Administration sector (NAICS 92), covered by the census of governments conducted by the Census Bureau.)

The 20 NAICS sectors are subdivided into 96 subsectors (three-digit codes), 313 industry groups (four-digit codes), and, as implemented in the United States, 1170 industries (five- and six-digit codes).

RELATIONSHIP TO SIC

While many of the individual NAICS industries correspond directly to industries as defined under the SIC system, most of the higher level groupings do not. Particular care should be taken in comparing data for retail trade, wholesale trade, and manufacturing, which are sector titles used in both NAICS and SIC, but cover somewhat different groups of industries. The industry definitions discuss the relationships between NAICS and SIC industries. Where changes are significant, it will not be possible to construct time series that include data for points both before and after 1997.

For 1997, data for auxiliary establishments (those functioning primarily to manage, service, or support the activities of their company's operating establishments, such as a central administrative office or warehouse) will not be included in the sector-specific reports. These data will be published separately.

GEOGRAPHIC AREA CODING

Accurate and complete information on the physical location of each establishment is required to tabulate the census data for the states, metropolitan areas (MAs), counties, parishes, and corporate municipalities including cities, towns, villages, and boroughs. Respondents were

required to report their physical location (street address, municipality, county, and state) if it differed from their mailing address. For establishments not surveyed by mail (and those single-establishment companies that did not provide acceptable information on physical location), location information from Internal Revenue Service tax forms is used as a basis for coding.

BASIS OF REPORTING

The economic census is conducted on an establishment basis. A company operating at more than one location is required to file a separate report for each store, factory, shop, or other location. Each establishment is assigned a separate industry classification based on its primary activity and not that of its parent company.

DOLLAR VALUES

All dollar values presented are expressed in current dollars; i.e., 1997 data are expressed in 1997 dollars, and 1992 data, in 1992 dollars. Consequently, when making comparisons with prior years, users of the data should consider the changes in prices that have occurred.

All dollar values are shown in thousands of dollars.

AVAILABILITY OF ADDITIONAL DATA

Reports in Print and Electronic Media

All results of the 1997 Economic Census are available on the Census Bureau Internet site (www.census.gov) and on compact discs (CD-ROM) for sale by the Census Bureau. Unlike previous censuses, only selected highlights are published in printed reports. For more information, including a description of electronic and printed reports being issued, see the Internet site, or write to U.S. Census Bureau, Washington, DC 20233-8300, or call Customer Services at 301-457-4100.

Special Tabulations

Special tabulations of data collected in the 1997 Economic Census may be obtained, depending on availability of time and personnel, in electronic or tabular form. The data will be summaries subject to the same rules prohibiting disclosure of confidential information (including name, address, kind of business, or other data for individual business establishments or companies) that govern the regular publications.

Special tabulations are prepared on a cost basis. A request for a cost estimate, as well as exact specifications on the type and format of the data to be provided, should be directed to the Chief of the division named below, U.S. Census Bureau, Washington, DC 20233-8300. To discuss a special tabulation before submitting specifications, call the appropriate division:

Manufacturing and Construction Division	301-457-4673
Service Sector Statistics Division	301-457-2668

HISTORICAL INFORMATION

The economic census has been taken as an integrated program at 5-year intervals since 1967 and before that for 1954, 1958, and 1963. Prior to that time, individual components of the economic census were taken separately at varying intervals.

The economic census traces its beginnings to the 1810 Decennial Census, when questions on manufacturing were included with those for population. Coverage of economic activities was expanded for the 1840 Decennial Census and subsequent censuses to include mining and some commercial activities. The 1905 Manufactures Census was the first time a census was taken apart from the regular decennial population census. Censuses covering retail and wholesale trade and construction industries were added in 1930, as were some covering service trades in 1933. Censuses of construction, manufacturing, and the other business service censuses were suspended during World War II.

The 1954 Economic Census was the first census to be fully integrated: providing comparable census data across economic sectors, using consistent time periods, concepts, definitions, classifications, and reporting units. It was the first census to be taken by mail, using lists of firms provided by the administrative records of other Federal agencies. Since 1963, administrative records also have been used to provide basic statistics for very small firms, reducing or eliminating the need to send them census questionnaires.

The range of industries covered in the economic censuses expanded between 1967 and 1992. The census of construction industries began on a regular basis in 1967, and the scope of service industries, introduced in 1933, was broadened in 1967, 1977, and 1987. While a few transportation industries were covered as early as 1963, it was not until 1992 that the census broadened to include all of transportation, communications, and utilities. Also new for 1992 was coverage of financial, insurance, and real estate industries. With these additions, the economic census and the separate census of governments and census of agriculture collectively covered roughly 98 percent of all economic activity.

Printed statistical reports from the 1992 and earlier censuses provide historical figures for the study of long-term time series and are available in some large libraries. All of the census reports printed since 1967 are still available for sale on microfiche from the Census Bureau. CD-ROMs issued from the 1987 and 1992 Economic Censuses contain databases including nearly all data published in print, plus additional statistics, such as ZIP Code statistics, published only on CD-ROM.

SOURCES FOR MORE INFORMATION

More information about the scope, coverage, classification system, data items, and publications for each of the economic censuses and related surveys is published in the *Guide to the 1997 Economic Census and Related Statistics* at www.census.gov/econguide. More information on the methodology, procedures, and history of the censuses will be published in the *History of the 1997 Economic Census* at www.census.gov/econ/www/history.html.

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used with the 1997 Economic Census data:

A	Standard error of 100 percent or more.
D	Withheld to avoid disclosing data of individual companies; data are included in higher level totals.
F	Exceeds 100 percent because data include establishments with payroll exceeding revenue.
N	Not available or not comparable.
Q	Revenue not collected at this level of detail for multiestablishment firms.
S	Withheld because estimates did not meet publication standards.

V	Represents less than 50 vehicles or .05 percent.
X	Not applicable.
Y	Disclosure withheld because of insufficient coverage of merchandise lines.
Z	Less than half the unit shown.
a	0 to 19 employees.
b	20 to 99 employees.
c	100 to 249 employees.
e	250 to 499 employees.
f	500 to 999 employees.
g	1,000 to 2,499 employees.
h	2,500 to 4,999 employees.
i	5,000 to 9,999 employees.
j	10,000 to 24,999 employees.
k	25,000 to 49,999 employees.
l	50,000 to 99,999 employees.
m	100,000 employees or more.
p	10 to 19 percent estimated.
q	20 to 29 percent estimated.
r	Revised.
s	Sampling error exceeds 40 percent.
nec	Not elsewhere classified.
nsk	Not specified by kind.
–	Represents zero (page image/print only).
(CC)	Consolidated city.
(IC)	Independent city.

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Manufacturing

SCOPE

The 1997 Economic Census – Manufacturing covers all manufacturing establishments with one or more paid employees. Manufacturing is defined as the mechanical, physical, or chemical transformation of materials or substances into new products. The assembly of components into new products is also considered manufacturing, except when it is appropriately classified as construction.

Establishments in the manufacturing sector are often described as plants, factories, or mills and typically use power-driven machines and materials-handling equipment. Also included in the manufacturing sector are some establishments that make products by hand, like custom tailors and the makers of custom draperies. While manufacturers typically do not sell to the public, some establishments like bakeries and candy stores that make products on the premises may be included.

While logging and publishing are no longer in the scope of manufacturing, data for these industries are included in the manufacturing industry reports, but are not included in the manufacturing state, summary, and other reports.

GENERAL

This report, from the 1997 Economic Census – Manufacturing, is one of a series of 480 industry reports and 51 geographic area reports, each of which provides statistics for individual industries or states, respectively. Seven of the industry reports are for industries no longer in the manufacturing sector but are included with manufacturing for the 1997 census year. Also included for this sector are General, Product, and Materials Consumed Summary reports, a special report on Concentration Ratios in Manufacturing, and data files on Location of Manufacturing Plants.

Each industry report presents data for a six-digit North American Industry Classification System (NAICS) industry. A description of the particular NAICS industry may be found in Appendix B. These reports include such statistics as number of establishments, employment, payroll, value added by manufacture, cost of materials consumed, value of shipments, capital expenditures, etc. Explanations of these and other terms may be found in Appendix A. The industry reports also include data for states with 100 employees or more in the industry.

State reports, which include the District of Columbia, present similar statistics at the “all manufacturing” level for each state and its metropolitan areas (MAs) with 250

employees or more, and for counties, consolidated cities, and places with 500 employees or more. The state reports also include six-digit NAICS level data for industries with 100 employees or more in the state.

The General Summary report contains industry and geographic area statistics summarized in one report. It includes higher levels of aggregation than the industry and state reports, as well as revisions to the data made after the release of the industry and state reports.

The Products and Materials Consumed reports summarize the products and materials data published in the industry reports. The Product Summary report also includes data from the Current Industrial Reports (CIR) and a special table with data for products that are primary to more than one industry, which are not in the industry reports.

The Concentration Ratios report publishes data on the percentage of value of shipments accounted for by the 4-, 8-, 20-, and 50-largest companies for each manufacturing industry. Also shown in this report are Hirschmann-Herfindahl Indexes for each industry.

The Location of Manufacturing data files contain statistics on the number of establishments for the three- and six-digit NAICS industry by state, county, place, and ZIP Code by employment-size of the establishment.

GEOGRAPHIC AREAS COVERED

Statistics at the six-digit NAICS industry level are shown for states and the District of Columbia in both the state and industry reports for cells with 100 employees or more.

The state reports also include data at the “all manufacturing” level for a variety of geographies that meet the employment criteria.

Data are available for the metropolitan areas (MAs) with 250 employees or more. The term MA is a general term used to encompass all of the specifically defined metropolitan areas. A consolidated metropolitan statistical area (CMSA) is made up of two or more contiguous primary metropolitan statistical areas (PMSAs) with a combined population of at least 1 million. A PMSA is a subdivision of a CMSA that demonstrates very strong internal economic and social links separate from the ties to other portions of the CMSA. A metropolitan statistical area (MSA) is an integrated economic and social unit with a population of at least 50,000. An MA is made up of one or more counties meeting standards of metropolitan character. In New England, cities and towns, rather than counties, are the

component geographic units. Determination of the MAs was made by the Office of Management and Budget (OMB) as of June 30, 1997. The population estimates were from the 1990 Census of Population or a subsequent special census. When applicable, the make-up of an MA is included in Appendix E. Changes to geographical boundaries are noted in Appendix D.

The state reports include data for counties with 500 employees or more. These are the primary divisions of states, except in Louisiana where they are called parishes and in Alaska where they are called boroughs and census areas. Maryland, Missouri, Nevada, and Virginia have one or more places that are independent of county organizations. These places are treated as counties and places. The counties and places are defined as of January 1, 1997.

The state reports include data for places with 500 employees or more. Places are typically cities, towns, and villages. They may be incorporated municipalities, semi-independent municipalities, special economic urban areas (SEUAs), or other place equivalents.

The state reports also include data for consolidated cities with 500 employees or more. Consolidated cities are made up of separately incorporated municipalities.

COMPARABILITY OF THE 1992 AND 1997 CENSUSES

The adoption of the North American Industry Classification System (NAICS) has had a major impact on the comparability of data between the 1992 and 1997 censuses. Approximately half of the industries in the manufacturing sector of NAICS do not have comparable industries in the Standard Industrial Classification (SIC) system that was used in the past. If industries are not comparable between the two censuses, historic data are not shown. When applicable, Appendix G shows the product class and product comparability between the two systems.

While most of the change affecting the manufacturing sector was change within the sector, some industries left manufacturing and others came into manufacturing. Prominent among those leaving manufacturing are logging and portions of publishing. Prominent among the industries coming into the manufacturing sector are bakeries, candy stores where candy is made on the premises, custom tailors, makers of custom draperies, and tire retreading. Data for the industries coming into manufacturing as well as those leaving manufacturing are included in the manufacturing industry report series for 1997. However, the state and summary reports only include data for industries in the NAICS definition of manufacturing.

Another change resulting from the conversion to NAICS is that data for central administrative offices (CAOs) associated with manufacturing are not included along side the manufacturing data. This change affects data in the state reports and the general summary.

DISCLOSURE

In accordance with Federal law governing census reports (Title 13 of the United States Code), no data are published that would disclose the operations of an individual establishment or company. However, the number of establishments classified in a specific industry or geography is not considered a disclosure, and may be released even when other information is withheld.

The disclosure analysis for the industry statistics files is based on the total value of shipments. When the total value of shipments cannot be shown without disclosing information for individual companies, the complete line is suppressed except for capital expenditures. However, the suppressed data are included in higher-level totals. A separate disclosure analysis is performed for capital expenditures that can be suppressed even though value of shipments data are published.

AVAILABILITY OF MORE FREQUENT ECONOMIC DATA

The Census Bureau conducts the Annual Survey of Manufactures (ASM) in each of the 4 years between the economic censuses. The ASM is a probability-based sample of approximately 58,000 establishments and collects many of the same industry statistics (including employment, payroll, value of shipments, etc.) as the economic census. However, there are selected statistics not included in the ASM. Among these are the number of companies and establishments, detailed product and materials data, and substate geographic data.

In addition to the ASM, the Census Bureau conducts a Current Industrial Reports (CIR) program. The CIR publishes detailed product statistics for selected manufacturing industries at the U.S. level annually and, in some cases, monthly and/or quarterly. For the 1997 Economic Census – Manufacturing, the annual CIR data are included in the Product Summary report.

The Census Bureau also conducts the monthly Manufacturers' Shipments, Inventories, and Orders (M3) program, which publishes detailed statistics for manufacturing industries at the U.S. level.

Table 1. Products Statistics: 1997 and 1992

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS product code	Product	1997				1992			
		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
311111	Dog and cat food	N	X	X	8 183 172	N	X	X	6 316 182
31111111	Dog food	N	X	X	5 213 728	N	X	X	3 899 787
311111111	Canned ration-type and other dog food	N	X	X	1 155 943	N	X	X	N
3111111111	Canned ration-type dog food	11	X	217.3	77 672	14	X	668.4	259 491
3111111121	Other canned dog food	11	X	2 175.7	1 078 271	16	X	2 018.2	842 769
311111112	Dry and semimoist dog food, shipped in packages less than 25 lb	N	X	X	1 795 231	N	X	X	N
3111111231	Dry and semimoist dog food, shipped in packages less than 25 lb	43	X	4 701.6	1 795 231	52	X	92 765.4	1 111 530
311111113	Dry and semimoist dog food, shipped in packages 25 lb or more	N	X	X	2 200 345	N	X	X	N
3111111341	Dry and semimoist dog food, shipped in packages 25 lb or more	63	X	6 194.5	2 200 345	74	X	95 610.7	1 657 971
31111111Y	Dog food, nsk	N	X	X	62 209	N	X	X	N
3111111YVW	Dog food, nsk	N	X	X	62 209	N	X	X	28 026
31111114	Cat food	N	X	X	2 754 568	N	X	X	2 271 062
311111141	Canned cat food, fish-base	N	X	X	580 191	N	X	X	N
3111111411	Canned cat food, fish-base	7	X	1 024.9	580 191	12	X	2 031.5	727 671
311111142	Canned cat food (excluding fish-base)	N	X	X	776 883	N	X	X	N
31111114221	Canned cat food, meat-base	11	X	971.6	432 361	16	X	801.0	410 035
31111114231	Other canned cat food (ration meal-base)	5	X	720.8	344 522	3	X	210.4	44 180
311111143	Dry and semimoist cat food	N	X	X	1 352 833	N	X	X	N
31111114341	Dry cat food	35	X	D	D	41	X	91 809.0	974 118
31111114351	Semimoist cat food	6	X	D	D	7	X	99.7	104 265
31111114Y	Cat food, nsk	N	X	X	44 661	N	X	X	N
31111114YVW	Cat food, nsk	N	X	X	44 661	N	X	X	10 793
3111111W	Dog and cat food, nsk, total	N	X	X	214 876	N	X	X	145 333
3111111WY	Dog and cat food, nsk, total	N	X	X	214 876	N	X	X	N
3111111WYVW	Dog and cat food, nsk, for nonadministrative-record establishments	N	X	X	95 001	N	X	X	138 526
3111111WYVWY	Dog and cat food, nsk, for administrative-record establishments	N	X	X	119 875	N	X	X	6 807
311119	Other animal food products	N	X	X	17 657 795	N	X	X	N
3111191	Chicken and turkey feed, supplements, concentrates, and premixes	N	X	X	8 088 049	N	X	X	4 890 288
31111911	Complete chicken feed, starter-growers and layer-breeders	N	X	X	1 863 724	N	X	X	N
3111191111	Complete chicken feed, starter-growers	74	X	4 745.2	934 826	84	X	3 630.6	571 154
3111191121	Complete chicken feed, layer-breeders	84	X	4 948.9	928 898	111	X	4 843.6	679 254
31111912	Complete chicken feed, broilers	N	X	X	3 915 465	N	X	X	N
3111191231	Complete chicken feed, broilers	41	X	20 957.9	3 915 465	47	X	15 861.5	2 563 036
31111913	Turkey feed; chicken and turkey supplements, concentrates, and premixes	N	X	X	1 851 816	N	X	X	N
3111191341	Complete turkey feed	46	X	3 608.6	710 089	54	X	3 143.1	458 874
3111191351	Chicken feed supplements and concentrates, starter-growers	12	X	68.5	20 579	14	X	S	18 912
3111191361	Chicken feed supplements and concentrates, layer-breeders	20	X	D	D	28	X	P233.4	60 326
3111191371	Chicken feed supplements and concentrates, broilers	8	X	D	D	9	X	581.4	132 982
3111191381	Turkey feed supplements and concentrates	8	X	540.3	111 896	11	X	928.3	6 828
3111191391	Chicken feed premixes (feed-base), starter-growers	17	X	S	60 132	6	X	D	D
31111913A1	Chicken feed premixes (feed-base), layer-breeders	3	X	S	5 438	14	X	958.8	27 768
31111913B1	Chicken feed premixes (feed-base), broilers	5	X	98.4	9 605	6	X	S	15 201
31111913C1	Turkey feed premixes (feed-base)	4	X	93.7	1 255	3	X	D	D
3111191Y	Chicken and turkey feed, supplements, concentrates, and premixes, nsk	N	X	X	457 044	N	X	X	N
3111191YVW	Chicken and turkey feed, supplements, concentrates, and premixes, nsk	N	X	X	457 044	N	X	X	334 649
3111194	Dairy cattle feed, complete	N	X	X	1 598 556	N	X	X	1 454 714
31111941	Dairy cattle feed, complete	N	X	X	1 598 556	N	X	X	N
3111194100	Dairy cattle feed, complete	143	X	P8 358.0	1 598 556	164	X	P11 761.0	1 454 714

Table 1. Products Statistics: 1997 and 1992—Con.

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
311119	Other animal food products—Con.								
3111197	Dairy cattle feed supplements, concentrates, and premixes	N	X	X	905 155	N	X	X	678 471
31111971	Dairy cattle feed supplements and concentrates, and feed premixes	N	X	X	893 017	N	X	X	N
3111197111	Dairy cattle feed supplements and concentrates 1,000 s tons..	102	X	2 865.2	733 998	125	X	3 196.9	532 016
3111197121	Dairy cattle feed premixes (feed-base) 1,000 s tons..	39	X	308.8	159 019	46	X	P323.2	127 812
3111197Y	Dairy cattle feed supplements, concentrates, and premixes, nsk	N	X	X	12 138	N	X	X	N
3111197YVW	Dairy cattle feed supplements, concentrates, and premixes, nsk	N	X	X	12 138	N	X	X	18 643
311119A	Swine feed, complete	N	X	X	581 813	N	X	X	541 915
311119A1	Swine feed, complete	N	X	X	581 813	N	X	X	N
311119A100	Swine feed, complete 1,000 s tons..	124	X	3 052.1	581 813	151	X	P2 526.5	541 915
311119D	Swine feed supplements, concentrates, and premixes	N	X	X	981 825	N	X	X	1 181 400
311119D1	Swine feed supplements and concentrates and premixes	N	X	X	970 527	N	X	X	N
311119D111	Swine feed supplements and concentrates 1,000 s tons..	74	X	1 778.0	696 412	100	X	4 504.7	906 843
311119D121	Swine feed premixes (feed-base) 1,000 s tons..	53	X	396.1	274 115	59	X	P441.6	246 834
311119DY	Swine feed supplements, concentrates, and premixes, nsk	N	X	X	11 298	N	X	X	N
311119DYVW	Swine feed supplements, concentrates, and premixes, nsk	N	X	X	11 298	N	X	X	27 723
311119G	Beef cattle feed, complete	N	X	X	611 301	N	X	X	524 219
311119G1	Beef cattle feed, complete	N	X	X	611 301	N	X	X	N
311119G100	Beef cattle feed, complete 1,000 s tons..	122	X	P3 675.6	611 301	141	X	P3 611.0	524 219
311119J	Beef cattle feed supplements, concentrates, and premixes	N	X	X	616 961	N	X	X	622 981
311119J1	Beef cattle feed supplements and concentrates and premixes	N	X	X	611 317	N	X	X	N
311119J111	Beef cattle feed supplements and concentrates 1,000 s tons..	84	X	2 224.3	523 749	88	X	4 340.7	522 050
311119J121	Beef cattle feed premixes (feed-base) 1,000 s tons..	34	X	280.2	87 568	41	X	S	94 280
311119JY	Beef cattle feed supplements, concentrates, and premixes, nsk	N	X	X	5 644	N	X	X	N
311119JYVW	Beef cattle feed supplements, concentrates, and premixes, nsk	N	X	X	5 644	N	X	X	6 651
311119M	Other poultry and livestock feed, nec	N	X	X	674 341	N	X	X	511 879
311119M1	Other poultry and livestock feed	N	X	X	621 276	N	X	X	N
311119M111	Other poultry complete feed (duck, etc.) 1,000 s tons..	16	X	P186.4	44 498	18	X	P120.8	18 666
311119M121	Other poultry feed supplements and concentrates (duck, etc.) 1,000 s tons..	5	X	D	D	5	X	D	D
311119M131	Other poultry feed premixes (feed-base) (duck, etc.) 1,000 s tons..	2	X	D	D	1	X	D	D
311119M141	Horse and mule complete feed 1,000 s tons..	89	X	1 262.1	296 698	111	X	P1 379.2	250 139
311119M151	Other livestock (sheep, etc.) complete feed 1,000 s tons..	44	X	637.1	174 821	45	X	P301.7	69 515
311119M161	Horse and mule feed supplements and concentrates 1,000 s tons..	15	X	P56.1	16 956	23	X	S	11 333
311119M171	Other livestock (sheep, etc.) feed supplements and concentrates 1,000 s tons..	25	X	P41.3	13 501	27	X	P146.0	41 778
311119M181	Horse and mule feed premixes (feed-base) 1,000 s tons..	8	X	S	4 261	7	X	S	2 022
311119M191	Other livestock (sheep, etc.) feed premixes (feed-base) 1,000 s tons..	9	X	S	14 595	10	X	S	20 771
311119MY	Other poultry and livestock feed, nsk	N	X	X	53 065	N	X	X	N
311119MYVW	Other poultry and livestock feed, nsk	N	X	X	53 065	N	X	X	33 204
311119P	Other prepared animal feed, including feeding materials and adjuncts, nec	N	X	X	651 735	N	X	X	N
311119P1	Other prepared animal feed, including feeding materials and adjuncts	N	X	X	648 972	N	X	X	N
311119P111	Grain animal feed (ground, rolled, pulverized, chopped, or crimped), excluding cornmeal 1,000 sacks (cwt) ..	54	X	S	254 020	69	X	S	106 588
311119P121	Mineral mixture animal feed, including oyster shells prepared for feed use mil lb..	30	X	467.3	94 206	50	X	S	161 241
311119P131	Dehydrated alfalfa meal animal feed 1,000 s tons..	22	X	P314.9	37 621	23	X	S	30 286
311119P141	Sun cured and cubed alfalfa meal animal feed 1,000 s tons..	8	X	96.4	13 061	18	X	S	23 258
311119P151	Other prepared animal feed 1,000 s tons..	35	X	S	250 064	N	X	N	N
311119PY	Other prepared animal feeds, including feeding materials and adjuncts, nsk	N	X	X	2 763	N	X	X	N
311119PYVW	Other prepared animal feeds, including feeding materials and adjuncts, nsk	N	X	X	2 763	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
311119	Other animal food products—Con.								
311119T	Specialty feed	N	X	X	872 870	N	X	X	747 433
311119T1	Specialty feed	N	X	X	810 447	N	X	X	N
311119T111	Fresh and frozen meat of horses and other animals for animal feed .. mil lb..	8	X		27 124	11	X	342.7	60 977
311119T121	Other specialty pet food, except dog and cat, .. mil lb..	16	X	P336.7	99 776	11	X	S	156 914
311119T131	Specialty laboratory (mouse, guinea pig, etc.) feed .. 1,000 s tons..	5	X	955.1	30 063	8	X	72.5	35 402
311119T141	Specialty fur animal (mink, fox, etc.) feed .. 1,000 s tons..	7	X	S	18 231	6	X	11.8	2 514
311119T151	Specialty bird (wild, tame, pigeon, game) feed .. 1,000 s tons..	49	X	S	278 708	31	X	S	142 995
311119T161	Specialty rabbit feed .. 1,000 s tons..	29	X	126.9	31 674	35	X	9174.5	37 493
311119T171	Specialty fish feed .. 1,000 s tons..	23	X	645.3	197 869	30	X	S	167 128
311119T181	Other specialty feed .. 1,000 s tons..	35	X	P652.0	127 002	24	X	S	92 492
311119TY	Specialty feeds, nsk	N	X	X	62 423	N	X	X	N
311119TYVW	Specialty feeds, nsk	N	X	X	62 423	N	X	X	51 518
311119W	Prepared feeds, nec, nsk, total	N	X	X	2 075 189	N	X	X	N
311119WY	Prepared feeds, nec, total	N	X	X	2 075 189	N	X	X	N
311119WYWW	Prepared feeds, nec, nsk, for nonadministrative-record establishments	N	X	X	1 707 061	N	X	X	N
311119WYWY	Prepared feeds, nec, nsk, for administrative-record establishments	N	X	X	368 128	N	X	X	N
311211	Flour and other grain mill products	N	X	X	7 837 086	N	X	X	N
3112111	Wheat flour, except flour mixes	N	X	X	5 146 612	N	X	X	4 192 416
31121111	Commercial dollar exports, all white flour types	N	X	X	116 831	N	X	X	N
3112111111	Commercial dollar exports, all white flour types .. 1,000 sacks (cwt)..	7	X	9 266.4	116 831	9	X	15 393.8	148 758
31121112	All other exports of white flour, such as those under Public Law 480	N	X	X	D	N	X	X	N
3112111221	All other exports of white flour, such as those under Public Law 480 .. 1,000 sacks (cwt)..	1	X	D	D	5	X	D	D
31121113	Bakers' and institutional white bread-type flours, domestic shipments in bulk cars or trucks	N	X	X	2 162 335	N	X	X	N
31121113331	Bakers' and institutional white bread-type flours, domestic shipments in bulk cars or trucks .. 1,000 sacks (cwt)..	20	X	188 662.1	2 162 335	22	X	174 188.0	1 772 492
31121114	Bakers' and institutional white bread-type flours, domestic shipments in containers, including tote bins	N	X	X	D	N	X	X	N
3112111441	Bakers' and institutional white bread-type flours, domestic shipments in containers, including tote bins .. 1,000 sacks (cwt)..	12	X	D	D	15	X	40 922.2	441 554
31121115	Bakers' and institutional white bread-type flours, domestic shipments in bulk cars or trucks; or containers, including tote bins	N	X	X	569 559	N	X	X	N
3112111551	Bakers' and institutional soft wheat flour (bakery, restaurant, etc.), domestic shipments in bulk cars or trucks .. 1,000 sacks (cwt)..	22	X	944 987.5	505 675	26	X	43 425.0	408 439
3112111561	Bakers' and institutional soft wheat flour (bakery, restaurant, etc.), domestic shipments in containers, including tote bins .. 1,000 sacks (cwt)..	16	X	7 790.3	63 884	13	X	8 568.7	84 352
31121116	Family white flour, other than self-rising	N	X	X	914 641	N	X	X	N
3112111671	Family white flour, other than self-rising, domestic shipments in containers less than 25 lb .. 1,000 sacks (cwt)..	20	X	36 003.5	812 492	25	X	32 972.3	513 189
3112111681	Family white flour, other than self-rising, domestic shipments in containers 25 lb or more .. 1,000 sacks (cwt)..	15	X	6 796.2	102 149	19	X	P8 163.3	97 974
31121117	Shipments of white flour	N	X	X	327 902	N	X	X	N
3112111791	Self-rising family white flour, domestic shipments .. 1,000 sacks (cwt)..	17	X	1 898.3	178 279	16	X	6 178.0	109 706
31121117A1	Domestic shipments of white flour shipped to blenders or other processors for use in food products (mixes, refrigerated doughs, soups, etc.) .. 1,000 sacks (cwt)..	13	X	8 781.1	109 615	13	X	15 291.5	140 788
31121117B1	Domestic shipments of white flour shipped to blenders or other processors for use in nonfood products (pet food, industrial, etc.) .. 1,000 sacks (cwt)..	10	X	P4 284.7	40 008	7	X	2 640.0	15 859

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
311211	Flour and other grain mill products—Con.								
3112111	Wheat flour, except flour mixes—Con.								
31121118	Whole wheat flour, durum flour and semolina, bulgur flour and other wheat flour, including farina	N	X	X	574 161	N	X	X	N
31121118C1	Whole wheat flour	22	X	D	D	24	X	5 853.2	62 370
31121118D1	Durum flour and semolina	8	X	P24 197.1	342 893	8	X	33 208.1	295 040
31121118E1	Bulgur flour	9	X	3 635.5	77 306	3	X	D	D
31121118F1	Other wheat flour, including farina	6	X	D	D	7	X	4 663.9	46 297
3112111Y	Wheat flour, except flour mixes, nsk	N	X	X	3 960	N	X	X	N
3112111YVW	Wheat flour, except flour mixes, nsk	N	X	X	3 960	N	X	X	555
3112114	Wheat mill products other than flour	N	X	X	784 114	N	X	X	494 367
31121141	Wheat mill feed and wheat mill products	N	X	X	771 884	N	X	X	N
3112114111	Wheat mill feed	41	X	10 720.4	661 053	48	X	6 325.6	461 898
3112114121	Wheat mill products, other than flour and mill feed, including wheat germ, wheat bran, etc.	30	X	P1 027.8	110 831	19	X	573.6	32 469
3112114Y	Wheat mill products other than flour, nsk	N	X	X	12 230	N	X	X	N
3112114YVW	Wheat mill products other than flour, nsk	N	X	X	12 230	N	X	X	—
3112117	Corn mill products	N	X	X	903 232	N	X	X	775 680
31121171	Corn mill products	N	X	X	898 412	N	X	X	N
3112117111	Whole cornmeal for human consumption	14	X	4 273.7	51 171	14	X	4 251.8	56 546
3112117121	Degermed cornmeal for human consumption	9	X	6 725.9	55 588	11	X	S	66 678
3112117131	Corn grits and hominy, except for brewers' use, for human consumption	12	X	13 504.6	188 561	8	X	D	D
3112117141	Corn grits and flakes for brewers' use, for human consumption	6	X	4 129.2	40 524	5	X	5 039.4	37 686
3112117151	Hominy feed, cornmeal, and other byproducts of dry corn milling (for animal feed)	25	X	Q1 251.5	141 645	23	X	1 502.1	121 156
3112117161	Corn flour	10	X	S	241 121	11	X	13 930.9	193 541
3112117171	Other corn mill products for human consumption	15	X	D	D	18	X	16 627.2	192 730
3112117181	Other corn mill products, not for human consumption	1	X	D	D	4	X	D	D
3112117Y	Corn mill products, nsk	N	X	X	4 820	N	X	X	N
3112117YVW	Corn mill products, nsk	N	X	X	4 820	N	X	X	—
311211A	Flour mixes, and refrigerated and frozen doughs and batters made in flour mills	N	X	X	517 430	N	X	X	345 920
311211A1	Flour mixes, and refrigerated and frozen doughs and batters made in flour mills	N	X	X	513 013	N	X	X	N
311211A111	Pancake and waffle mixes made in flour mills \$	12	X	S	81 512	11	X	2 444.3	65 829
311211A121	Cake mixes, including gingerbread, made in flour mills \$	3	X	D	D	5	X	341.5	15 101
311211A131	Biscuit mixes made in flour mills \$	6	X	D	D	13	X	1 350.5	50 219
311211A141	Bread and bread-type roll mixes made in flour mills \$	8	X	D	D	9	X	1 140.1	46 367
311211A151	Other prepared flour mixes (including cookie mixes, piecrust mixes, doughnut mixes, and other sweet yeast goods mixes) made in flour mills \$	17	X	P7 472.8	166 815	N	X	N	N
311211A161	Refrigerated doughs and batters (cookie, biscuit, bread and bread-type roll, pasta, pizza, coffeeecake, pancake, etc.) made in flour mills \$	8	X	S	17 422	N	X	N	N
311211A171	Frozen doughs and batters (cookie, biscuit, bread and bread-type roll, pasta, pizza, coffeeecake, pancake, etc.) made in flour mills \$	6	X	148.0	71 477	N	X	N	N
311211AY	Flour mixes, and refrigerated and frozen doughs and batters, nsk	N	X	X	4 417	N	X	X	N
311211AYVW	Flour mixes, and refrigerated and frozen doughs and batters, nsk	N	X	X	4 417	N	X	X	—
311211D	Other grain mill products, nec	N	X	X	196 996	N	X	X	N
311211D1	Other grain mill products	N	X	X	160 653	N	X	X	N
311211D111	Rye, oat, buckwheat, and other flour	10	X	S	69 085	N	X	N	N
311211D121	Other mill feed (oats, rye, buckwheat, etc.)	12	X	S	91 568	9	X	947.9	109 961
311211DY	Other grain mill products, nsk	N	X	X	36 343	N	X	X	N
311211DYVW	Other grain mill products, nsk	N	X	X	36 343	N	X	X	N

10 PRODUCT SUMMARY

MANUFACTURING—SUBJECT SERIES

Table 1. Products Statistics: 1997 and 1992—Con.

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

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		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
311211	Flour and other grain mill products—Con.								
311211W	Flour and other grain mill products, nsk, total	N	X	X	288 702	N	X	X	N
311211WY	Flour and other grain mill products, nsk, for both nonadministrative and administrative-record establishments, nsk, total	N	X	X	288 702	N	X	X	N
311211WYWW	Flour and other grain mill products, nsk, for nonadministrative-record establishments	N	X	X	18 168	N	X	X	N
311211WYWY	Flour and other grain mill products, nsk, for administrative-record establishments	N	X	X	270 534	N	X	X	N
311212	Rice	N	X	X	2 147 313	N	X	X	1 617 863
3112120	Milled rice and byproducts	N	X	X	2 147 313	N	X	X	1 617 863
31121201	Head rice not packaged with other ingredients, packed in bags of 100 lb or more	N	X	X	621 627	N	X	X	N
3112120111	Head rice not packaged with other ingredients, packed in bags of 100 lb or more	27	X	5 913.0	621 627	30	X	5 178.1	594 022
31121202	Head rice not packaged with other ingredients, packed in containers of 3 lb or less	N	X	X	308 360	N	X	X	N
3112120221	Head rice not packaged with other ingredients, packed in containers of 3 lb or less	12	X	S	308 360	16	X	814.7	250 612
31121203	Head rice not packaged with other ingredients, packed in all other containers	N	X	X	798 262	N	X	X	N
3112120331	Head rice not packaged with other ingredients, packed in all other containers	22	X	4 006.9	798 262	19	X	2 502.9	526 650
31121204	Milled rice	N	X	X	374 075	N	X	X	N
3112120441	Milled rice second heads	14	X	S	71 579	14	X	475.8	55 958
3112120451	Milled rice screenings and brewers' rice	18	X	S	52 710	17	X	S	35 902
3112120461	Milled rice bran	18	X	S	43 808	20	X	9733.3	23 740
3112120471	Milled rice sharps and other residues and byproducts	13	X	S	14 849	9	X	1 069.4	18 129
3112120481	All other milled rice, including rice flour	15	X	S	191 129	8	X	610.7	92 132
3112120Y	Milled rice and byproducts, nsk, total	N	X	X	44 989	N	X	X	N
3112120YWW	Rice milling, nsk, for nonadministrative-record establishments	N	X	X	S	N	X	X	20 718
3112120YWY	Rice milling, nsk, for administrative-record establishments	N	X	X	52 035	N	X	X	—
311213	Malt beverages	N	X	X	770 420	N	X	X	573 279
3112130	Barley, rye, wheat, corn, and rice malt sprouts and malt byproducts (screenings, chaff, skimmings, etc.)	N	X	X	770 420	N	X	X	573 279
31121301	Barley, rye, wheat, corn, and rice malt sprouts and malt byproducts (screenings, chaff, skimmings, etc.)	N	X	X	770 420	N	X	X	N
3112130100	Barley, rye, wheat, corn, and rice malt sprouts and malt byproducts (screenings, chaff, skimmings, etc.)	19	X	P6 294.0	770 420	N	X	N	N
3112130Y	Malt, nsk, total	N	X	X	—	N	X	X	N
3112130YWW	Malt, nsk, for nonadministrative-record establishments	N	X	—	—	N	X	N	N
3112130YWY	Malt, nsk, for administrative-record establishments	N	X	X	—	N	X	X	—
311221	Wet corn products	N	X	X	7 188 399	N	X	X	6 415 531
3112211	Corn sweeteners	N	X	X	3 056 213	N	X	X	2 910 968
31122111	Glucose (corn) syrup sweeteners and solids	N	X	X	686 304	N	X	X	N
3112211111	Glucose (corn) syrup sweeteners, type I (20 up to 38 dextrose equivalent)	5	X	P1 677.2	127 554	5	X	1 028.9	102 135
3112211121	Glucose (corn) syrup sweeteners, type II (38 up to 58 dextrose equivalent)	6	X	S	271 488	7	X	3 245.0	321 218
3112211131	Glucose (corn) syrup sweeteners, type III and IV (58 and over dextrose equivalent)	5	X	S	167 063	N	X	N	N
3112211141	Glucose (corn) syrup solids (dried glucose syrup) and maltodextrins less than 20 dextrose equivalent	4	X	P495.3	120 199	4	X	328.2	76 928

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311221	Wet corn products—Con.								
3112211	Corn sweeteners—Con.								
31122112	Corn sweeteners	N	X	X	935 729	N	X	X	N
3112211251	Dextrose monohydrate and dextrose anhydrous sweeteners mil lb..	5	X	D	D	3	X	D	D
3112211261	High fructose corn syrup (HFCS) sweeteners, (20 up to 50 percent fructose) mil lb..	8	X	D	D	8	X	6 961.4	693 342
31122113	High fructose corn syrup (HFCS) sweeteners, 50 percent or more fructose, including crystalline fructose (adjusted to a liquid equivalent, 77 percent solids basis)	N	X	X	1 360 705	N	X	X	N
3112211371	High fructose corn syrup (HFCS) sweeteners, 50 percent or more fructose, including crystalline fructose (adjusted to a liquid equivalent, 77 percent solids basis) mil lb..	9	X	15 698.1	1 360 705	7	X	10 787.7	1 198 727
3112211Y	Corn sweeteners, nsk, total	N	X	X	73 475	N	X	X	N
3112211YWV	Corn sweeteners, nsk	N	X	X	73 475	N	X	X	—
3112214	Manufactured starch	N	X	X	1 526 122	N	X	X	1 318 108
31122141	Modified corn (including sorghum) starch and dextrin	N	X	X	1 010 001	N	X	X	N
3112214111	Modified corn (including sorghum) starch and dextrin mil lb..	12	X	4 796.0	1 010 001	13	X	3 907.1	871 976
31122142	Not modified corn (including sorghum) starch and dextrin	N	X	X	367 620	N	X	X	N
3112214221	Not modified corn (including sorghum) starch and dextrin mil lb..	11	X	93 002.0	367 620	11	X	2 853.7	330 766
31122143	Other starch and dextrin, modified and not modified (potato, rice, wheat, etc.)	N	X	X	129 083	N	X	X	N
3112214331	Other starch and dextrin, modified and not modified (potato, rice, wheat, etc.) mil lb..	11	X	S	129 083	N	X	N	N
3112214Y	Manufactured starch, nsk, total	N	X	X	19 418	N	X	X	N
3112214YWV	Manufactured starch, nsk	N	X	X	19 418	N	X	X	17 416
3112217	Corn oil	N	X	X	980 394	N	X	X	801 579
31122171	Corn oil	N	X	X	971 492	N	X	X	N
3112217111	Crude corn oil mil lb..	11	X	1 173.0	281 038	10	X	1 085.0	240 520
3112217121	Once-refined corn oil, after alkali or caustic wash, but before deodorizing or use in end products mil lb..	4	X	19.2	5 684	3	X	57.0	17 161
3112217131	Fully-refined corn oil, including margarine oil mil lb..	7	X	1 750.0	637 242	8	X	1 339.2	511 662
3112217141	Once-refined corn oil, purchased and deodorized only mil lb..	7	X	137.9	47 528	5	X	85.5	32 236
3112217Y	Corn oil, nsk, total	N	X	X	8 902	N	X	X	N
3112217YWV	Corn oil, nsk	N	X	X	8 902	N	X	X	—
311221A	Wet process corn byproducts	N	X	X	1 585 020	N	X	X	1 363 452
311221A1	Wet process corn gluten feed	N	X	X	634 976	N	X	X	N
311221A111	Wet process corn gluten feed mil lb..	10	X	111 602.3	634 976	9	X	11 903.5	659 468
311221A2	Wet process corn byproducts	N	X	X	840 254	N	X	X	N
311221A221	Wet process corn gluten meal mil lb..	11	X	92 891.5	486 087	11	X	2 598.7	352 208
311221A231	Wet process gluten (except corn), including wheat, rice, potato, etc. mil lb..	6	X	118.1	85 753	1	X	D	D
311221A241	Other wet process corn byproducts, including steepwater concentrate (50 percent solids basis) mil lb..	10	X	13 842.8	268 414	9	X	D	D
311221AY	Wet process corn byproducts, nsk, total	N	X	X	109 790	N	X	X	N
311221AYWV	Wet process corn byproducts, nsk	N	X	X	109 790	N	X	X	—
311221W	Wet corn milling, nsk, total	N	X	X	40 650	N	X	X	21 424
311221WY	Wet corn milling, nsk, total	N	X	X	40 650	N	X	X	N
311221WYWW	Wet corn milling, nsk, for nonadministrative-record establishments	N	X	X	19 213	N	X	X	21 424
311221WYWY	Wet corn milling, nsk, for administrative-record establishments	N	X	X	21 437	N	X	X	—

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
311222	Soybean products	N	X	X	12 038 811	N	X	X	N
3112221	Soybean oil	N	X	X	3 161 878	N	X	X	2 454 587
31122211	Soybean oil	N	X	X	2 152 186	N	X	X	N
3112221111	Crude soybean oil, degummed mil lb..	10	9 440.6	9 484.9	2 152 186	15	S	S	1 347 534
31122212	Soybean oil, all other types	N	X	X	1 009 692	N	X	X	N
3112221221	Crude soybean oil, not degummed mil lb..	8	3 229.8	3 258.5	748 557	5	S	S	776 151
3112221231	Soybean oil, once-refined (after alkali or caustic wash but before deodorizing or use in end products) mil lb..	9	S	S	S	10	S	S	315 735
3112221241	Soybean oil processed for inedible purposes (acid refined, etc.) mil lb..	5	X	35.8	8 433	4	X	59.3	11 217
3112221Y	Soybean oil, nsk	N	X	X	—	N	X	X	N
3112221YVV	Soybean oil, nsk	N	X	X	—	N	X	X	3 950
3112224	Soybean cake, meal, and other byproducts	N	X	X	8 824 896	N	X	X	N
31122241	Soybean cake, meal, and other byproducts	N	X	X	8 193 437	N	X	X	N
3112224111	Soybean cake and meal 1,000 s tons..	20	31 600.1	32 226.9	8 193 437	17	28 387.2	28 250.7	5 023 987
31122242	Other soybean products, including isolates and concentrates	N	X	X	631 459	N	X	X	N
3112224221	Soy flour and grits mil lb..	4	X	D	D	7	X	914.0	127 953
3112224231	Soybean lecithin mil lb..	9	D	D	D	7	S	S	41 573
3112224241	Soybean millfeed (hullmeal) 1,000 s tons..	15	3 014.8	3 020.6	166 325	11	1 674.6	1 673.6	119 445
3112224261	Other soybean products, including isolates and concentrates mil lb..	11	X	427.7	261 520	7	X	868.5	261 319
3112224Y	Soybean cake, meal, and other byproducts, nsk	N	X	X	—	N	X	X	N
3112224YVV	Soybean cake, meal, and other byproducts, nsk	N	X	X	—	N	X	X	N
311222W	Soybean processing, nsk, total	N	X	X	52 037	N	X	X	N
311222WY	Soybean processing, nsk, total	N	X	X	52 037	N	X	X	N
311222WYWW	Soybean processing, nsk, for nonadministrative-record establishments	N	X	X	180	N	X	X	N
311222WYWY	Soybean processing, nsk, for administrative-record establishments	N	X	X	51 857	N	X	X	N
311223	Other oilseed products	N	X	X	1 669 775	N	X	X	N
3112231	Cottonseed oil, crude	N	X	X	100 668	N	X	X	102 101
31122311	Cottonseed oil, crude	N	X	X	100 668	N	X	X	N
3112231100	Cottonseed oil, crude mil lb..	7	439.5	407.8	100 668	16	S	S	102 101
3112234	Cottonseed oil, once-refined (after alkali or caustic wash but before deodorizing or use in end products)	N	X	X	165 630	N	X	X	183 889
31122341	Cottonseed oil, once-refined (after alkali or caustic wash but before deodorizing or use in end products)	N	X	X	165 630	N	X	X	N
3112234100	Cottonseed oil, once-refined (after alkali or caustic wash but before deodorizing or use in end products) mil lb..	14	652.7	654.4	165 630	12	S	S	183 889
3112237	Cotton linters	N	X	X	82 913	N	X	X	54 749
31122371	Cotton linters	N	X	X	82 913	N	X	X	N
3112237100	Cotton linters mil lb..	14	721.0	718.1	82 913	16	625.8	611.4	54 749
311223A	Cottonseed cake and meal and other byproducts	N	X	X	380 893	N	X	X	N
311223A1	Cottonseed cake and meal and other byproducts	N	X	X	317 064	N	X	X	N
311223A111	Cottonseed cake and meal 1,000 s tons..	15	1 858.0	1 880.3	317 064	18	1 682.3	1 657.7	216 096
311223A2	Cottonseed oil and other byproducts	N	X	X	63 829	N	X	X	N
311223A221	Cottonseed hulls 1,000 s tons..	15	P977.1	P981.6	60 615	15	D	D	D
311223A231	Other cottonseed byproducts mil lb..	3	X	S	3 214	2	X	D	D
311223AY	Cottonseed cake and meal and other byproducts, nsk	N	X	X	—	N	X	X	N
311223AYVV	Cottonseed cake and meal and other byproducts, nsk	N	X	X	—	N	X	X	N
311223D	Linseed oil	N	X	X	110 134	N	X	X	79 500
311223D1	Linseed oil	N	X	X	D	N	X	X	N
311223D111	Linseed oil, crude mil lb..	5	X	D	D	2	X	D	D
311223D121	Linseed oil, processed (refined, blown, heat treated, or chemically modified) mil lb..	2	D	D	D	4	D	D	D
311223DY	Linseed oil, nsk	N	X	X	4 545	N	X	X	N
311223DYVV	Linseed oil, nsk	N	X	X	4 545	N	X	X	3 367

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311223	Other oilseed products—Con.								
311223G	Vegetable oils, nec	N	X	X	595 875	N	X	X	465 191
311223G1	Vegetable oils, nec	N	X	X	593 440	N	X	X	N
311223G111	Coconut oil, once-refined (after alkali or caustic wash but before deodorizing or use in end products)	2	D	D	D	5	S	S	63 102
311223G121	Peanut oil, crude	7	141.2	162.4	78 581	7	S	S	74 552
311223G131	Peanut oil, once-refined (after alkali or caustic wash but before deodorizing or use in end products)	1	D	D	D	6	S	S	21 995
311223G141	Sunflower seed oil, crude	2	D	D	D	3	D	D	D
311223G151	Sunflower seed oil, once-refined (after alkali or caustic wash but before deodorizing or use in end products)	2	D	D	D	4	D	D	D
311223G161	Other crude vegetable oils, including safflower, castor, tung, etc.	5	D	D	D	5	65.4	66.3	18 956
311223G171	Once-refined palm oil (after alkali or caustic wash but before deodorizing)	—	—	—	—	4	D	D	D
311223G181	Other once-refined vegetable oils, including safflower, castor, tung, etc.	6	266.9	277.6	101 432	7	209.8	209.8	66 496
311223G191	Other vegetable oils processed for inedible purposes (tung oil, dehydrated castor oil, etc.)	4	X	D	D	2	X	D	D
311223GY	Vegetable oils, nec, nsk	N	X	X	2 435	N	X	X	N
311223GYWV	Vegetable oils, nec, nsk	N	X	X	2 435	N	X	X	455
311223J	Other vegetable oil mill products, nec	N	X	X	D	N	X	X	N
311223J1	Other vegetable oil mill products, nec	N	X	X	D	N	X	X	N
311223J111	Linseed cake and meal	4	D	D	D	3	D	D	D
311223J121	Peanut cake and meal	3	94.3	89.0	14 098	5	S	S	28 206
311223J131	Sunflower seed cake and meal	3	D	D	D	3	S	S	40 990
311223J141	Other oil seed cake and meal	4	D	D	D	5	54.0	54.3	4 206
311223JY	Other vegetable oil mill products, nec, nsk	N	X	X	—	N	X	X	N
311223JYWV	Other vegetable oil mill products, nec, nsk	N	X	X	—	N	X	X	N
311223W	Other oilseed products, nsk, total	N	X	X	42 225	N	X	X	N
311223WY	Other oilseed products, nsk, total	N	X	X	42 225	N	X	X	N
311223WYWW	Other oilseed products, nsk, for nonadministrative-record establishments	N	X	X	32 334	N	X	X	N
311223WYWY	Other oilseed products, nsk, for administrative-record establishments	N	X	X	9 891	N	X	X	N
311225	Refined or blended fats and oils	N	X	X	7 788 001	N	X	X	N
3112251	Shortening and cooking oils (edible)	N	X	X	6 166 828	N	X	X	N
31122511	Baking or frying fats (shortening), 100 percent vegetable oil (edible)	N	X	X	1 798 247	N	X	X	N
3112251111	Baking or frying fats (shortening), 100 percent vegetable oil (edible)	20	P5 181.8	5 360.6	1 798 247	33	S	S	1 733 663
31122512	Baking or frying fats (shortening), 100 percent animal fat or blends of vegetable oil and animal fat (edible)	N	X	X	311 604	N	X	X	N
3112251221	Baking or frying fats (shortening), 100 percent animal fat or blends of vegetable oil and animal fat (edible)	17	S	P917.0	311 604	24	S	S	339 927
31122513	Edible hydrogenated oils other than baking or frying fats (for confectionery fats, mellorine fats, whipped topping, etc.)	N	X	X	137 465	N	X	X	N
3112251331	Edible hydrogenated oils other than baking or frying fats (for confectionery fats, mellorine fats, whipped topping, etc.)	7	X	408.8	137 465	5	X	433.7	126 731
31122514	Partially hydrogenated edible soybean cooking or salad oil (fully refined and deodorized at the same establishment)	N	X	X	1 756 056	N	X	X	N
3112251441	Partially hydrogenated edible soybean cooking or salad oil (fully refined and deodorized at the same establishment)	21	5 531.9	5 239.8	1 756 056	24	S	S	1 228 671

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311225	Refined or blended fats and oils—Con.								
3112251	Shortening and cooking oils (edible)—Con.								
31122515	All other fully refined edible shortening and cooking oils, except corn	N	X	X	742 905	N	X	X	N
3112251551	Other edible soybean cooking or salad oil (fully refined and deodorized at the same establishment) mil lb..	7	P137.2	137.4	44 468	6	114.1	111.5	35 520
3112251561	Edible cottonseed cooking or salad oil (fully refined and deodorized at the same establishment) mil lb..	6	203.5	203.7	76 687	8	106.4	106.4	34 983
3112251571	Edible mixtures of vegetable cooking or salad oil (fully refined and deodorized at the same establishment) mil lb..	8	212.1	221.7	90 581	9	44.6	44.6	16 622
3112251581	All other edible cooking or salad oil (fully refined and deodorized at the same establishment) mil lb..	16	P997.1	1 044.0	494 535	17	952.1	949.9	422 909
3112251591	Edible vegetable oil winter stearin	1	X	D	D	2	X	D	D
31122515A1	Edible canola oil used for margarine	4	X	D	D	3	X	D	D
31122515B1	Other edible oils used for margarine	1	X	D	D	1	X	D	D
31122515C1	All other fully refined edible shortening and cooking oils, except corn	3	X	D	D	5	X	32.8	11 433
31122515D1	Foots, vegetable oil	2	X	X	D	N	X	X	N
31122517	Vegetable oil mills, except corn, cottonseed, and soybean (processing purchased vegetable oils)	N	X	X	1 237 051	N	X	X	N
3112251701	Cottonseed oil, once-refined, purchased and deodorized only mil lb..	12	X	324.3	91 709	7	X	486.0	118 169
3112251706	Soybean oil, once-refined, purchased and deodorized only mil lb..	13	X	3 344.1	963 613	13	X	3 255.3	847 996
3112251711	Palm oil, once-refined, purchased and deodorized only mil lb..	3	X	113.6	36 683	5	X	21.6	5 285
3112251721	Coconut oil, once-refined, purchased and deodorized only mil lb..	4	X	D	D	3	X	54.7	18 396
3112251731	Peanut oil, once-refined, purchased and deodorized only mil lb..	6	X	87.6	44 809	6	X	88.2	30 363
3112251741	Sunflower oil, once-refined, purchased and deodorized only mil lb..	2	X	D	D	3	X	D	D
3112251751	Other oils, once-refined, except cottonseed, soybean, linseed, peanut, or sunflower, purchased and deodorized only mil lb..	6	X	206.3	70 734	5	X	62.7	22 785
3112251Y	Shortening and cooking oils, nsk	N	X	X	183 500	N	X	X	N
3112251YVW	Shortening and cooking oils, nsk	N	X	X	183 500	N	X	X	N
3112254	Margarine, including butter blends	N	X	X	1 360 132	N	X	X	1 415 212
31122541	Margarine, including butter blends	N	X	X	1 360 132	N	X	X	N
3112254100	Margarine, including butter blends mil lb..	25	P3 075.6	P3 106.1	1 360 132	20	2 764.8	2 817.5	1 415 212
311225W	Fats and oils refining and blending, nsk, total	N	X	X	261 041	N	X	X	N
311225WY	Fats and oils refining and blending, nsk	N	X	X	261 041	N	X	X	N
311225WYWW	Fats and oils refining and blending, nsk, for nonadministrative-record establishments	N	X	X	158 670	N	X	X	N
311225WYWY	Fats and oils refining and blending, nsk, for administrative-record establishments	N	X	X	102 371	N	X	X	N
311230	Breakfast cereals and related products	N	X	X	7 446 787	N	X	X	N
3112301	Ready-to-serve cereal breakfast foods, except infant cereals	N	X	X	6 729 803	N	X	X	7 207 814
31123011	Ready-to-serve corn flakes and other corn breakfast foods (except infant cereals), with or without fruits and-or nuts	N	X	X	2 026 594	N	X	X	N
3112301111	Ready-to-serve corn flakes and other corn breakfast foods (except infant cereals), with fruits and-or nuts mil lb..	7	X	D	D	4	X	S	N
3112301121	Ready-to-serve corn flakes and other corn breakfast foods (except infant cereals), without fruits or nuts mil lb..	16	X	D	D	12	X	S	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
311230	Breakfast cereals and related products—Con.								
3112301	Ready-to-serve cereal breakfast foods, except infant cereals—Con.								
31123012	Ready-to-serve wheat flakes and other corn breakfast foods (except infant cereals), with or without fruits and-or nuts	N	X	X	1 253 313	N	X	X	N
3112301231	Ready-to-serve wheat flakes and other wheat breakfast foods (except infant cereals), with fruits and-or nuts	7	X	P258.8	463 675	8	X	N	N
3112301241	Ready-to-serve wheat flakes and other wheat breakfast foods (except infant cereals), without fruits or nuts	12	X	405.0	789 638	13	X	N	N
31123013	Ready-to-serve oat breakfast foods (except infant cereals), with or without fruits and-or nuts	N	X	X	1 274 297	N	X	X	N
3112301351	Ready-to-serve oat breakfast foods (except infant cereals), with fruits and-or nuts	5	X	S	62 834	12	X	S	N
3112301361	Ready-to-serve oat breakfast foods (except infant cereals), without fruits and-or nuts	10	X	526.5	1 211 463	8	X	S	N
31123014	Ready-to-serve rice breakfast foods (except infant cereals), with or without fruits and-or nuts	N	X	X	789 536	N	X	X	N
3112301471	Ready-to-serve rice breakfast foods (except infant cereals), with fruits and-or nuts	1	X	D	D	2	X	N	N
3112301481	Ready to serve rice breakfast foods (except infant cereals), without fruits of nuts	10	X	D	D	9	X	N	N
31123015	Ready-to-serve breakfast preparations of other grains and mixed grains (except infant cereals), with or without fruits and-or nuts	N	X	X	1 318 742	N	X	X	N
3112301591	Ready-to-serve breakfast preparations of other grains and mixed grains (except infant cereals) with fruits and-or nuts	6	X	D	D	13	X	S	N
31123015A1	Ready-to-serve breakfast preparations of other grains and mixed grains (except infant cereals), without fruits or nuts	10	X	D	D	13	X	S	N
3112301Y	Ready-to-serve cereal breakfast foods, except infant cereals, nsk	N	X	X	67 321	N	X	X	N
3112301YVV	Ready-to-serve cereal breakfast foods, except infant cereals, nsk	N	X	X	67 321	N	X	X	—
3112304	Other cereal breakfast foods, nec	N	X	X	690 561	N	X	X	N
31123041	Other cereal breakfast foods	N	X	X	688 549	N	X	X	N
3112304111	Infants' cereals, all types	2	X	D	D	3	X	D	D
3112304121	Instant hot cereals, all types of grains (mix with hot water and eat type)	6	X	39.0	384 915	5	X	D	D
3112304131	Farina and other wheat foods intended to be cooked before serving, except instant and infants' cereals	5	X	D	D	5	X	81.0	94 330
3112304141	Rolled oats and oatmeal intended to be cooked before serving, except instant and infants' cereals	10	X	S	92 411	7	X	422.3	168 950
3112304151	Cereal preparations of other grains and mixed grains intended to be cooked before serving, except instant and infants' cereals	4	X	3.6	36 065	N	X	X	N
3112304Y	Other cereal breakfast foods, nsk	N	X	X	2 012	N	X	X	N
3112304YVV	Other cereal breakfast foods, nsk	N	X	X	2 012	N	X	X	N
311230W	Cereal breakfast foods, nsk, total	N	X	X	26 423	N	X	X	N
311230WY	Cereal breakfast foods, nsk, total	N	X	X	26 423	N	X	X	N
311230WYWW	Cereal breakfast foods, nsk, for nonadministrative-record establishments	N	X	X	8 564	N	X	X	N
311230WYWY	Cereal breakfast foods, nsk, for administrative-record establishments	N	X	X	17 859	N	X	X	N
311311	Sugarcane products	N	X	X	1 449 749	N	X	X	1 433 246

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
311311	Sugarcane products—Con.								
3113110	Sugarcane mill products and byproducts	N	X	X	1 449 749	N	X	X	1 433 246
31131101	Raw cane sugar	N	X	X	1 315 716	N	X	X	N
3113110111	Raw cane sugar	26	X	P2 914.8	1 315 716	30	X	3 460.5	1 344 776
31131102	Sugarcane mill products and byproducts, except raw cane sugar	N	X	X	106 428	N	X	X	N
3113110221	Sugarcane molasses and syrup (including cane blackstrap, except refiners' blackstrap)	31	X	1 071.6	76 259	33	X	1 343.8	69 426
3113110231	All other sugarcane mill products and byproducts, including sugar for consumer use without further processing, bagasse, etc.	8	X	S	30 169	4	X	D	D
3113110Y	Raw cane sugar, nsk, total	N	X	X	27 605	N	X	X	N
3113110YWW	Raw cane sugar, nsk, for nonadministrative-record establishments	N	X	X	27 605	N	X	X	D
3113110YWY	Raw cane sugar, nsk, for administrative-record establishments	N	X	X	—	N	X	X	—
311312	Cane sugar refining	N	X	X	3 186 963	N	X	X	2 864 143
3113120	Refined cane sugar and byproducts	N	X	X	3 186 963	N	X	X	2 864 143
31131201	Refined granulated cane sugar, including cube and tablet sugar, shipped in individual services (small paper packets)	N	X	X	D	N	X	X	N
3113120111	Refined granulated cane sugar, including cube and tablet sugar, shipped in individual services (small paper packets)	3	X	D	D	4	X	34.9	29 156
31131202	Refined granulated cane sugar, including cube and tablet sugar, shipped in consumer units (cartons and sacks of 25 lb or less)	N	X	X	948 492	N	X	X	N
3113120221	Refined granulated cane sugar, including cube and tablet sugar, shipped in consumer units (cartons and sacks of 25 lb or less)	6	X	P1 506.5	948 492	11	X	1 548.6	926 053
31131203	Refined granulated cane sugar, including cube and tablet sugar, shipped in commercial units (bags and other containers more than 25 lb)	N	X	X	707 607	N	X	X	N
3113120331	Refined granulated cane sugar, including cube and tablet sugar, shipped in commercial units (bags and other containers more than 25 lb)	4	X	Q1 150.5	707 607	9	X	1 360.0	628 646
31131204	Refined granulated cane sugar, including cube and tablet sugar, shipped in bulk (rail cars, trucks, or bins)	N	X	X	D	N	X	X	N
3113120441	Refined granulated cane sugar, including cube and tablet sugar, shipped in bulk (rail cars, trucks, or bins)	6	X	D	D	8	X	1 461.7	685 811
31131205	Other cane sugar refining products and byproducts, including refiners' blackstrap and syrup	N	X	X	570 446	N	X	X	N
3113120551	Refined confectioners' powdered cane sugar, shipped in consumer units (containers of 10 lb or less)	5	X	72.2	61 208	6	X	89.2	66 878
3113120561	Refined confectioners' powdered cane sugar, shipped in commercial units (containers of more than 10 lb)	5	X	P178.3	106 818	8	X	220.3	123 071
3113120571	Refined soft or brown cane sugar, shipped in consumer units (containers of 10 lb or less)	5	X	92.4	79 822	6	X	102.3	79 668
3113120581	Refined soft or brown cane sugar, shipped in commercial units (containers of more than 10 lb)	5	X	126.0	76 661	7	X	135.7	70 862
3113120591	Refined liquid cane sugar or sugar syrup, sucrose type	6	X	334.1	185 940	6	X	369.6	159 070
31131205A1	Refined liquid cane sugar or sugar syrup, invert and-or partially invert type	3	X	D	D	7	X	90.7	44 542
31131205B1	Other cane sugar refining products and byproducts, including refiners' blackstrap and syrup	4	X	D	D	7	X	S	35 864
3113120Y	Cane sugar refining, nsk, total	N	X	X	20 209	N	X	X	N
3113120YWW	Cane sugar refining, nsk, for nonadministrative-record establishments	N	X	X	18 856	N	X	X	14 159
3113120YWY	Cane sugar refining, nsk, for administrative-record establishments	N	X	X	1 353	N	X	X	—

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
311313	Beet sugar	N	X	X	2 619 463	N	X	X	2 189 723
3113130	Refined beet sugar and byproducts	N	X	X	2 619 463	N	X	X	2 189 723
31131301	Refined granulated beet sugar, including cube and tablet sugar, shipped in individual services (small paper packets)	N	X	X	D	N	X	X	N
3113130111	Refined granulated beet sugar, including cube and tablet sugar, shipped in individual services (small paper packets) 1,000 s tons..	2	X	D	D	2	X	N	N
31131302	Refined granulated beet sugar, including cube and tablet sugar, shipped in consumer units (cartons and sacks of 25 lb or less)	N	X	X	374 119	N	X	X	N
3113130221	Refined granulated beet sugar, including cube and tablet sugar, shipped in consumer units (cartons and sacks of 25 lb or less) 1,000 s tons..	5	X	635.0	374 119	9	X	N	N
31131303	Refined granulated beet sugar, including cube and tablet sugar, shipped in commercial units (bags and other containers more than 25 lb)	N	X	X	516 195	N	X	X	N
3113130331	Refined granulated beet sugar, including cube and tablet sugar, shipped in commercial units (bags and other containers more than 25 lb) 1,000 s tons..	6	X	890.1	516 195	10	X	948.2	422 292
31131304	Refined granulated beet sugar, including cube and tablet sugar, shipped in bulk (rail cars, trucks, or bins)	N	X	X	1 233 844	N	X	X	N
3113130441	Refined granulated beet sugar, including cube and tablet sugar, shipped in bulk (rail cars, trucks, or bins) 1,000 s tons..	7	X	P2 143.6	1 233 844	9	X	1 825.4	944 231
31131305	Refined confectioners' powdered beet sugar and refined soft or brown beet sugar	N	X	X	90 910	N	X	X	N
3113130551	Refined confectioners' powdered beet sugar 1,000 s tons..	6	X	102.7	64 227	9	X	131.3	76 490
3113130561	Refined soft or brown beet sugar 1,000 s tons..	6	X	39.6	26 683	7	X	35.9	24 891
31131306	Refined liquid beet sugar or sugar syrup	N	X	X	D	N	X	X	N
3113130671	Refined liquid beet sugar or sugar syrup 1,000 s tons..	3	X	D	D	N	X	N	N
31131307	Whole, straighthouse or discard beet sugar molasses and molasses beet sugar pulp, bulk	N	X	X	77 592	N	X	X	N
3113130781	Whole, straighthouse or discard beet sugar molasses 1,000 s tons..	6	X	P608.5	50 683	9	X	942.2	63 107
3113130791	Molasses beet sugar pulp, bulk 1,000 s tons..	5	X	S	26 909	7	X	524.6	44 373
31131308	Molasses beet sugar pulp, pelletized	N	X	X	42 985	N	X	X	N
31131308A1	Molasses beet sugar pulp, pelletized 1,000 s tons..	4	X	S	42 985	9	X	1 161.5	118 718
31131309	All other beet sugar pulp, including raw beet sugar, dried and other beet pulp (plain)	N	X	X	74 173	N	X	X	N
31131309B1	All other beet sugar pulp, including raw beet sugar, dried and other beet pulp (plain) 1,000 s tons..	4	X	S	74 173	6	X	P208.3	14 760
3113130Y	Beet sugar, nsk, total	N	X	X	10 815	N	X	X	N
3113130YWW	Beet sugar, nsk, for nonadministrative-record establishments	N	X	X	10 815	N	X	X	4 893
3113130YWY	Beet sugar, nsk, for administrative-record establishments	N	X	X	—	N	X	X	—
311320	Chocolate and confectionery products made from cacao beans	N	X	X	3 670 691	N	X	X	3 090 755
3113201	Chocolate coatings	N	X	X	639 816	N	X	X	589 480
31132011	Milk chocolate coatings	N	X	X	190 098	N	X	X	N
3113201111	Milk chocolate coatings mil lb..	17	X	144.4	190 098	9	X	230.4	229 664
31132012	Sweet chocolate and liquor chocolate coatings	N	X	X	206 353	N	X	X	N
3113201221	Sweet chocolate coatings mil lb..	15	X	86.5	119 853	9	X	88.0	90 974
3113201231	Liquor chocolate coatings mil lb..	9	X	82.7	86 500	8	X	64.7	94 951
31132013	Confectionery coatings, including ice cream coating (made chiefly from cocoa and fats other than cocoa butter)	N	X	X	235 614	N	X	X	N
3113201341	Confectionery coatings, including ice cream coating (made chiefly from cocoa and fats other than cocoa butter) mil lb..	15	X	222.0	235 614	13	X	P218.6	164 943

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
311320	Chocolate and confectionery products made from cacao beans—Con.								
3113201	Chocolate coatings—Con.								
3113201Y	Chocolate coatings, nsk	N	X	X	7 751	N	X	X	N
3113201YVV	Chocolate coatings, nsk	N	X	X	7 751	N	X	X	8 948
3113204	Chocolate and chocolate-type confectionery products made from cacao beans ground in the same establishment	N	X	X	1 916 439	N	X	X	1 495 645
31132040	Chocolate and chocolate-type confectionery products made from cacao beans ground in the same establishment	N	X	X	1 916 439	N	X	X	N
3113204000	Chocolate and chocolate-type confectionery products made from cacao beans ground in the same establishment \$	9	X	X	1 916 439	9	X	X	1 495 645
3113207	Other chocolate and cocoa products, nec	N	X	X	1 022 816	N	X	X	943 153
31132071	Sweetened chocolate, except coatings	N	X	X	229 093	N	X	X	N
3113207111	Sweetened chocolate, except coatings	12	X	207.4	229 093	13	X	317.0	404 209
31132072	Unsweetened chocolate, except coatings and sweetened or unsweetened cocoa powder products	N	X	X	433 198	N	X	X	N
3113207221	Unsweetened chocolate, except coatings	7	X	D	D	5	X	6.6	16 822
3113207231	Sweetened (or mixed with other substances) cocoa powder, in cans or packages of 2 one-half lb or less	10	X	D	D	12	X	66.9	90 553
3113207241	Sweetened (or mixed with other substances) cocoa powder, in other containers and in bulk (barrels, drums, etc.)	10	X	167.7	126 750	12	X	54.0	42 618
3113207251	Unsweetened cocoa powder	16	X	190.5	142 514	14	X	195.7	137 558
31132073	Cocoa butter and chocolate liquor base or cocoa powder base syrups	N	X	X	311 135	N	X	X	N
3113207360	Cocoa butter	6	X	81.9	145 761	6	X	D	D
3113207371	Chocolate liquor base syrup, in cans or packages of 16 oz or less	6	X	D	D	6	X	D	D
3113207381	Chocolate liquor base syrup, in other containers or in bulk	11	X	D	D	11	X	141.7	126 642
3113207391	Cocoa powder base chocolate syrup	15	X	55.0	32 321	12	X	77.1	49 541
3113207Y	Other chocolate and cocoa products, nsk	N	X	X	49 390	N	X	X	N
3113207YVV	Other chocolate and cocoa products, nsk	N	X	X	49 390	N	X	X	4 460
311320W	Chocolate and confectionery-type products made from cacao beans, nsk, total	N	X	X	91 620	N	X	X	62 477
311320WY	Chocolate and confectionery manufacturing from cacao beans, nsk, total	N	X	X	91 620	N	X	X	N
311320WYWW	Chocolate and confectionery manufacturing from cacao beans, nsk, for nonadministrative-record establishments	N	X	X	27 178	N	X	X	18 876
311320WYWY	Chocolate and confectionery manufacturing from cacao beans, nsk, for administrative-record establishments	N	X	X	64 442	N	X	X	34 169
311330	Confectionery products made from purchased chocolate	N	X	X	7 027 945	N	X	X	N
3113301	Chocolate and chocolate-type confectionery products made from purchased chocolate and packaged for shipment (not retailed at manufacturing establishment) @	N	X	X	6 653 316	N	X	X	5 167 290
31133010	Chocolate and chocolate-type confectionery products made from purchased chocolate and packaged for shipment (not retailed at manufacturing establishment)	N	X	X	6 653 316	N	X	X	N
3113301000	Chocolate and chocolate-type confectionery products made from purchased chocolate and packaged for shipment (not retailed at manufacturing establishment) \$	206	X	X	6 653 316	175	X	X	5 167 290

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
311330	Confectionery products made from purchased chocolate—Con.								
3113302	Chocolate and chocolate-type confectionery products made from purchased chocolate and retailed at same location	N	X	X	149 559	N	X	X	N
31133020	Chocolate and chocolate-type confectionery products made from purchased chocolate and retailed at same location	N	X	X	149 559	N	X	X	N
3113302000	Chocolate and chocolate-type confectionery products made from purchased chocolate and retailed at same location	311	X	X	149 559	N	X	X	N
311330W	Chocolate and chocolate-type confectionery products made from purchased chocolate (packaged for shipment or retailed at same establishment), nsk, total	N	X	X	225 070	N	X	X	N
311330WY	Chocolate and chocolate-type confectionery products made from purchased chocolate (packaged for shipment or retailed at same establishment), nsk, total	N	X	X	225 070	N	X	X	N
311330WYWW	Chocolate and chocolate-type confectionery products made from purchased chocolate (packaged for shipment or retailed at same establishment), nsk, for nonadministrative-record establishments	N	X	X	137 440	N	X	X	N
311330WYWY	Chocolate and chocolate-type confectionery products made from purchased chocolate (packaged for shipment or retailed at same establishment), nsk, for administrative-record establishments	N	X	X	87 630	N	X	X	N
311340	Nonchocolate confectionery products	N	X	X	5 954 390	N	X	X	N
3113401	Nonchocolate-type confectionery products made and packaged for shipment (not retailed at manufacturing establishment) @	N	X	X	4 243 445	N	X	X	3 370 138
31134010	Nonchocolate-type confectionery products made and packaged for shipment (not retailed at manufacturing establishment)	N	X	X	4 243 445	N	X	X	N
3113401000	Nonchocolate-type confectionery products made and packaged for shipment (not retailed at manufacturing establishment)	182	X	X	4 243 445	180	X	X	3 370 138
3113402	Nonchocolate-type confectionery products made and retailed at same location	N	X	X	28 201	N	X	X	N
31134020	Nonchocolate-type confectionery products made and retailed at same location	N	X	X	28 201	N	X	X	N
3113402000	Nonchocolate-type confectionery products made and retailed at same location	36	X	X	28 201	N	X	X	N
3113404	Chewing gum, bubble gum, and chewing gum base @	N	X	X	1 310 938	N	X	X	1 106 288
31134041	Chewing gum and bubble gum (nonmedicated), containing sugar	N	X	X	854 478	N	X	X	N
3113404110	Chewing gum and bubble gum (nonmedicated), containing sugar mil lb..	9	X	230.3	854 478	12	X	322.8	708 096
31134043	Chewing gum and bubble gum (nonmedicated), not containing sugar	N	X	X	D	N	X	X	N
3113404320	Chewing gum and bubble gum (nonmedicated), not containing sugar mil lb..	3	X	D	D	5	X	D	D
31134045	Chewing gum base	N	X	X	D	N	X	X	N
3113404530	Chewing gum base mil lb..	1	X	D	D	3	X	D	D
3113404Y	Chewing gum, bubble gum, and chewing gum base, nsk	N	X	X	14 354	N	X	X	N
3113404YWV	Chewing gum, bubble gum, and chewing gum base, nsk	N	X	X	14 354	N	X	X	—

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
311340	Nonchocolate confectionery products—Con.								
3113407	Other confectionery-type products, nec, made and packaged for shipment (not retailed at manufacturing establishment)	N	X	X	159 863	N	X	X	N
31134072	Other confectionery-type products	N	X	X	154 203	N	X	X	N
3113407221	Glaze, candied, and crystallized fruits, fruit peels, nuts, and other vegetable substances	25	X	S	111 694	17	X	51.3	50 796
3113407231	Marshmallow cream	3	X	D	D	N	X	N	N
3113407241	Cough drops, except pharmaceutical type	5	X	D	D	4	X	12.0	30 400
3113407Y	Other confectionery-type products, nsk	N	X	X	5 660	N	X	X	N
3113407YVV	Other confectionery-type products, nsk	N	X	X	5 660	N	X	X	N
311340W	Nonchocolate-type confectionery products made (packaged for shipment or retailed at same establishment), nsk, total	N	X	X	211 943	N	X	X	N
311340WY	Nonchocolate-type confectionery products made (packaged for shipment or retailed at same establishment), nsk, total	N	X	X	211 943	N	X	X	N
311340WYWW	Nonchocolate-type confectionery products made (packaged for shipment or retailed at same establishment), nsk, for nonadministrative-record establishments	N	X	X	84 630	N	X	X	N
311340WYWY	Nonchocolate-type confectionery products made (packaged for shipment or retailed at same establishment), nsk, for administrative-record establishments	N	X	X	127 313	N	X	X	N
311411	Frozen fruits and vegetables	N	X	X	9 264 738	N	X	X	7 408 040
3114111	Frozen fruits, juices, ades, drinks, and cocktails	N	X	X	2 822 600	N	X	X	2 864 043
311411111	Frozen fruits	N	X	X	756 363	N	X	X	N
3114111111	Frozen strawberries	20	X	394.8	231 656	20	X	312.2	182 828
3114111121	Frozen red sour cherries	8	X	70.7	38 918	11	X	P106.7	52 837
3114111131	Frozen apples and applesauce	16	X	308.9	155 173	14	X	183.3	98 497
3114111141	Frozen berries (including blueberries, raspberries, blackberries, etc.)	23	X	101.8	105 195	15	X	104.3	93 765
3114111151	Other frozen fruits	28	X	276.8	225 421	26	X	275.9	172 644
31141112	Frozen concentrated orange juice, consumer and institutional, 6 oz or less	N	X	X	119 538	N	X	X	N
3114111261	Frozen concentrated orange juice, consumer and institutional, 6 oz or less	7	X	5 010.4	119 538	11	X	8 122.9	121 237
31141113	Frozen concentrated orange juice, consumer and institutional, 6.1 oz to 12 oz	N	X	X	364 443	N	X	X	N
3114111371	Frozen concentrated orange juice, consumer and institutional, 6.1 oz to 12 oz	10	X	18 916.2	364 443	15	X	25 876.7	515 015
31141114	Frozen concentrated orange juice, consumer and institutional, 12.1 oz or more	N	X	X	141 025	N	X	X	N
3114111481	Frozen concentrated orange juice, consumer and institutional, 12.1 oz to 24 oz	4	X	D	D	7	X	S	132 863
3114111491	Frozen concentrated orange juice, consumer and institutional, 24.1 oz or more	8	X	D	D	11	X	5 810.0	142 287
31141115	Frozen concentrated orange juice, bulk	N	X	X	939 038	N	X	X	N
31141115A1	Frozen concentrated orange juice, bulk	19	X	927.4	939 038	18	X	428.4	619 951
31141116	Frozen concentrated juices other than orange juice	N	X	X	460 144	N	X	X	N
31141116B1	Frozen concentrated grape juice, 4.1 oz to 7 oz	4	X	1 770.1	18 057	5	X	1 745.6	17 750
31141116C1	Frozen concentrated grape juice, 10.1 oz to 13 oz	6	X	1 994.6	24 643	5	X	2 709.1	31 300
31141116D1	Frozen concentrated grape juice, other sizes	7	X	16.9	15 290	10	X	28.9	25 150
31141116E1	Frozen concentrated grapefruit juice	14	X	65.0	89 589	17	X	75.5	135 053
31141116F1	Other frozen fruit and berry juices, concentrated	14	X	180.4	184 551	19	X	211.2	273 683
31141116G1	Frozen concentrated lemonade, 4.1 oz to 7 oz	2	X	D	D	3	X	D	D
31141116H1	Frozen concentrated lemonade, 10.1 oz to 13 oz	5	X	D	D	7	X	8 873.5	87 745

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
311411	Frozen fruits and vegetables—Con.								
3114111	Frozen fruits, juices, ades, drinks, and cocktails—Con.								
31141116	Frozen concentrated juices other than orange juice—Con.								
31141116J1	Frozen concentrated lemonade, other sizes 1,000 lb solid..	4	X	14.6	17 242	9	X	32.7	32 765
31141116K1	All other frozen concentrated ades, drinks, and cocktails 1,000 lb solid..	7	X	62.5	56 537	8	X	93.8	84 840
31141116L1	Frozen citrus pulp 1,000 s tons..	8	X	95.5	10 041	11	X	300.5	30 563
3114111Y	Frozen fruits, juices, ades, drinks, and cocktails, nsk	N	X	X	42 049	N	X	X	N
3114111YWV	Frozen fruits, juices, ades, drinks, and cocktails, nsk	N	X	X	42 049	N	X	X	D
31141114	Frozen vegetables	N	X	X	6 314 734	N	X	X	4 411 227
31141141	Frozen vegetables (asparagus, green beans, lima beans, broccoli, brussels sprouts, carrots, cauliflower, green peas, and spinach) mil lb..	N	X	X	782 751	N	X	X	N
3114114111	Frozen asparagus mil lb..	10	X	14.1	21 778	5	X	14.5	21 951
3114114121	Frozen green, regular, and french-cut beans mil lb..	19	X	294.6	156 589	17	X	305.0	160 669
3114114131	Frozen lima beans (baby, emerald, and fardhook) mil lb..	14	X	119.5	65 104	12	X	81.6	40 476
3114114141	Frozen broccoli mil lb..	19	X	221.7	123 347	14	X	172.3	90 699
3114114151	Frozen brussels sprouts mil lb..	5	X	33.4	22 220	6	X	35.4	21 235
3114114161	Frozen carrots mil lb..	21	X	336.7	101 898	21	X	256.7	78 003
3114114171	Frozen cauliflower mil lb..	12	X	67.9	44 674	12	X	87.8	46 610
3114114181	Frozen green peas mil lb..	22	X	367.3	186 711	22	X	310.8	153 701
3114114191	Frozen spinach mil lb..	10	X	150.0	60 430	10	X	121.6	51 643
31141142	Frozen vegetable combinations (succotash, peas and carrots, mixed vegetables with pasta, etc.) mil lb..	N	X	X	609 076	N	X	X	N
31141142A1	Frozen vegetable combinations (succotash, peas and carrots, mixed vegetables, vegetables with pasta, etc.) mil lb..	25	X	930.4	609 076	21	X	786.8	386 302
31141143	Frozen french-fried potatoes	N	X	X	2 984 066	N	X	X	N
31141143B1	Frozen french-fried potatoes mil lb..	11	X	9 216.6	2 984 066	13	X	6 118.6	1 833 747
31141144	Other frozen potato products (patties, puffs, etc.)	N	X	X	544 608	N	X	X	N
31141144C1	Other frozen potato products (patties, puffs, etc.) mil lb..	22	X	1 085.5	544 608	21	X	1 018.9	434 982
31141145	Frozen sweet cut and cob yellow corn	N	X	X	394 123	N	X	X	N
31141145D1	Frozen sweet cut yellow corn mil lb..	25	X	561.8	250 883	22	X	552.0	230 390
31141145E1	Frozen sweet cob yellow corn mil lb..	15	X	399.9	143 240	13	X	332.5	147 905
31141146	Frozen southern greens, onions, and other frozen vegetables	N	X	X	988 867	N	X	X	N
31141146F1	Frozen southern greens (collards, kale, mustard, and turnip) mil lb..	7	X	116.5	37 782	5	X	67.1	20 987
31141146G1	Frozen onions (rings, diced, chopped, etc.) mil lb..	20	X	496.0	275 420	21	X	410.1	244 303
31141146H1	Other frozen vegetables mil lb..	48	X	941.9	675 665	32	X	680.2	440 691
3114114Y	Frozen vegetables, nsk	N	X	X	11 243	N	X	X	N
3114114YWV	Frozen vegetables, nsk	N	X	X	11 243	N	X	X	6 933
311411W	Frozen fruits and vegetables, nsk, total	N	X	X	127 404	N	X	X	132 770
311411WY	Frozen fruits and vegetables, nsk, total	N	X	X	127 404	N	X	X	N
311411WYWW	Frozen fruits and vegetables, nsk, for nonadministrative-record establishments	N	X	X	64 569	N	X	X	101 645
311411WYWY	Frozen fruits and vegetables, nsk, for administrative-record establishments	N	X	X	62 835	N	X	X	31 125
311412	Frozen specialties, nec	N	X	X	9 457 074	N	X	X	7 219 658
3114121	Frozen dinners (beef, pork, and poultry pies, and nationality foods)	N	X	X	6 963 429	N	X	X	5 334 582
31141211	Frozen dinners with red-meat entree	N	X	X	791 688	N	X	X	N
3114121111	Frozen dinners with red-meat entree mil lb..	26	X	501.9	791 688	18	X	306.0	492 489
31141212	Frozen dinners with poultry entree	N	X	X	964 025	N	X	X	N
3114121221	Frozen dinners with poultry entree mil lb..	21	X	523.3	964 025	16	X	406.9	654 971
31141213	Frozen dinners	N	X	X	567 648	N	X	X	N
3114121331	Frozen dinners with pasta entree mil lb..	16	X	303.1	421 215	14	X	204.4	217 124
3114121341	Frozen dinners with other entree mil lb..	11	X	73.1	146 433	9	X	119.6	175 908
31141214	Frozen entrees and side dishes, excluding rice dishes, meat pies, and nationality foods, with pasta products as major ingredient	N	X	X	770 816	N	X	X	N
3114121451	Frozen entrees and side dishes, excluding rice dishes, meat pies, and nationality foods, with pasta products as major ingredient mil lb..	32	X	628.8	770 816	35	X	339.3	367 469

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311412	Frozen specialties, nec—Con.								
3114121	Frozen dinners (beef, pork, and poultry pies, and nationality foods)—Con.								
31141215	Frozen entrees and side dishes, excluding rice dishes, meat pies, and nationality foods, with other products and major ingredient	N	X	X	430 511	N	X	X	N
3114121561	Frozen entrees and side dishes, excluding rice dishes, meat pies, and nationality foods, with other products as major ingredient mil lb..	21	X	321.6	430 511	24	X	441.0	644 826
31141216	Frozen pizza	N	X	X	1 826 617	N	X	X	N
3114121671	Frozen pizza	41	X	1 617.0	1 826 617	38	X	1 046.6	1 424 229
31141217	Frozen nationality foods except pizza	N	X	X	1 608 469	N	X	X	N
3114121781	Frozen rice dishes mil lb..	5	X	55.0	49 555	N	X	—	—
3114121791	Frozen beef and pork pies mil lb..	9	X	61.7	70 496	7	X	57.9	53 488
31141217A1	Frozen poultry pies mil lb..	7	X	169.7	235 670	7	X	D	D
31141217B1	Frozen enchiladas mil lb..	11	X	51.1	48 412	11	X	51.6	54 468
31141217C1	Frozen tortillas mil lb..	11	X	139.9	153 837	12	X	215.0	231 504
31141217D1	Frozen tamales mil lb..	11	X	76.0	92 409	10	X	72.7	81 912
31141217E1	Frozen egg rolls mil lb..	10	X	112.9	134 512	8	X	74.7	86 821
31141217F1	All other frozen nationality foods (including chow mein and chop suey) mil lb..	54	X	619.2	823 578	N	X	X	N
3114121Y	Frozen dinners, nsk	N	X	X	3 655	N	X	X	N
3114121YVV	Frozen dinners (beef, pork, and poultry pies), and nationality foods, nsk	N	X	X	3 655	N	X	X	8 364
3114124	Other frozen specialties, nec	N	X	X	2 125 910	N	X	X	1 662 617
31141241	Frozen whipped topping	N	X	X	522 750	N	X	X	N
3114124111	Frozen whipped topping (dairy product substitute, dairy or nondairy base) mil lb..	7	X	727.9	522 750	10	X	650.3	446 316
31141242	Other frozen dairy product substitutes	N	X	X	28 031	N	X	X	N
3114124221	Other frozen dairy product substitutes (except mellorine and similar products)	6	X	X	28 031	5	X	X	13 449
31141243	Frozen waffles, pancakes, and french toast	N	X	X	524 815	N	X	X	N
3114124331	Frozen waffles, pancakes, and french toast mil lb..	12	X	487.3	524 815	19	X	463.9	473 589
31141244	Other frozen specialties, except seafood	N	X	X	1 021 812	N	X	X	N
3114124441	Other frozen specialties, except seafood (including soups, etc.) mil lb..	52	X	675.6	1 021 812	48	X	679.5	714 925
3114124Y	Other frozen specialties, nec, nsk	N	X	X	28 502	N	X	X	N
3114124YVV	Other frozen specialties, nec, nsk	N	X	X	28 502	N	X	X	14 338
311412W	Frozen specialties, nec, nsk, total	N	X	X	367 735	N	X	X	222 459
311412WY	Frozen specialties, nec, nsk, total	N	X	X	367 735	N	X	X	N
311412WYWW	Frozen specialties, nec, nsk, for nonadministrative-record establishments	N	X	X	245 992	N	X	X	187 746
311412WYWY	Frozen specialties, nec, nsk, for administrative-record establishments	N	X	X	121 743	N	X	X	34 713
311421	Canned fruits and vegetables	N	X	X	16 737 724	N	X	X	N
3114211	Canned fruits, except baby foods	N	X	X	2 281 045	N	X	X	2 371 854
31142111	Canned fruits	N	X	X	2 280 848	N	X	X	N
3114211111	Canned apples 1,000 cases (24/2 1/2 s)...	10	X	5 281.7	82 294	14	X	5 311.3	75 244
3114211121	Canned applesauce 1,000 cases (24/2 1/2 s)...	13	X	27 334.0	370 428	16	X	25 711.9	351 789
3114211131	Canned apricots 1,000 cases (24/2 1/2 s)...	6	X	1 919.5	50 739	7	X	2 089.3	47 435
3114211141	Canned cherries, red pitted 1,000 cases (24/2 1/2 s)...	8	X	1 343.9	20 262	9	X	623.3	12 424
3114211151	Canned cherries, sweet 1,000 cases (24/2 1/2 s)...	8	X	1 061.1	21 231	10	X	1 051.3	19 243
3114211161	Canned cranberries and cranberry sauce 1,000 cases (24/2 1/2 s)...	3	X	2 644.2	52 521	3	X	D	D
3114211171	Canned fruit cocktail 1,000 cases (24/2 1/2 s)...	3	X	10 727.1	268 957	5	X	15 991.9	282 750
3114211181	Canned fruits for salads (including mixed fruits other than fruit cocktail) 1,000 cases (24/2 1/2 s)...	5	X	2 972.6	76 127	5	X	4 793.7	99 481
3114211191	Canned olives, ripe and green ripe (including stuffed) (drained net weight) 1,000 cases (24/2 1/2 s)...	8	X	15 623.0	377 661	10	X	11 234.2	283 517
31142111A1	Canned peaches, including spiced 1,000 cases (24/2 1/2 s)...	8	X	28 346.8	458 173	14	X	30 497.5	502 908

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
311421	Canned fruits and vegetables—Con.								
3114211	Canned fruits, except baby foods—Con.								
31142111	Canned fruits—Con.								
31142111B1	Canned pears, including spiced 1,000 cases (24/2 1/2 s)..	7	X	13 342.1	196 709	8	X	13 687.9	205 490
31142111C1	Canned pineapple (all styles) 1,000 cases (24/2 1/2 s)..	2	X	D	D	5	X	8 580.9	151 755
31142111D1	Other canned fruits 1,000 cases (24/2 1/2 s)..	18	X	D	D	19	X	D	D
31142111E1	Canned apple pie mixes 1,000 cases (24/2 1/2 s)..	8	X	1 842.1	36 589	10	X	1 363.8	27 376
31142111F1	Canned cherry pie mixes 1,000 cases (24/2 1/2 s)..	7	X	3 378.6	67 006	9	X	3 178.2	68 818
31142111G1	Canned peach pie mixes 1,000 cases (24/2 1/2 s)..	4	X	428.5	10 584	6	X	351.6	8 332
31142111H1	Other canned fruit pie mixes 1,000 cases (24/2 1/2 s)..	12	X	2 432.0	68 277	13	X	1 633.2	48 174
3114211Y	Canned fruits, except baby foods, nsk.....	N	X	X	197	N	X	X	N
3114211YVV	Canned fruits, except baby foods, nsk.....	N	X	X	197	N	X	X	12 762
3114214	Canned vegetables, except hominy and mushrooms.....	N	X	X	2 690 609	N	X	X	2 694 390
31142141	Canned vegetables.....	N	X	X	2 684 637	N	X	X	N
3114214111	Canned green lima beans 1,000 cases (24/303 s)..	7	X	2 604.1	23 843	9	X	2 549.2	22 015
3114214121	Canned green and wax beans (including blue lake) 1,000 cases (24/303 s)..	19	X	55 019.6	412 657	25	X	55 141.1	431 677
3114214131	Canned carrots 1,000 cases (24/303 s)..	11	X	5 581.6	41 731	13	X	5 540.7	41 534
3114214141	Canned vegetable combinations (mixed vegetables, succotash, carrots and peas, vegetable salad, etc.) 1,000 cases (24/303 s)..	11	X	11 985.6	116 907	19	X	11 947.6	119 085
3114214151	Canned green peas..... 1,000 cases (24/303 s)..	14	X	23 182.2	201 322	19	X	29 448.4	254 580
3114214161	Other canned peas (blackeye, crowder, purple hull, field, etc.) 1,000 cases (24/303 s)..	6	X	2 391.2	23 688	6	X	2 315.2	20 788
3114214171	Canned pumpkin and squash, including pie mix 1,000 cases (24/303 s)..	5	X	2 962.7	41 879	8	X	D	D
3114214181	Canned spinach 1,000 cases (24/303 s)..	5	X	6 313.1	53 981	6	X	6 089.2	50 537
3114214191	Canned sweet potatoes, including pie mix 1,000 cases (24/303 s)..	3	X	6 650.5	91 814	6	X	8 296.8	87 548
31142141A1	Canned white potatoes 1,000 cases (24/303 s)..	11	X	6 646.6	48 433	13	X	6 487.6	48 752
31142141B1	Canned sauerkraut 1,000 cases (24/303 s)..	7	X	9 267.6	70 814	10	X	6 378.5	46 950
31142141C1	Canned asparagus 1,000 cases (24/303 s)..	8	X	4 344.6	82 210	15	X	4 532.7	86 768
31142141D1	Canned beets 1,000 cases (24/303 s)..	5	X	8 645.2	61 709	9	X	9 442.8	68 747
31142141E1	Canned sweet corn, whole kernel 1,000 cases (24/303 s)..	13	X	57 024.9	423 862	17	X	68 459.1	515 134
31142141F1	Canned sweet corn, cream style..... 1,000 cases (24/303 s)..	12	X	20 561.6	157 241	13	X	14 851.2	116 643
31142141G1	Canned tomatoes (including stewed) 1,000 cases (24/303 s)..	27	X	67 428.4	618 675	37	X	58 361.4	538 637
31142141H1	Other canned vegetables 1,000 cases (24/303 s)..	28	X	14 652.5	213 871	24	X	D	D
3114214Y	Canned vegetables, except hominy and mushrooms, nsk.....	N	X	X	5 972	N	X	X	N
3114214YVV	Canned vegetables, except hominy and mushrooms, nsk.....	N	X	X	5 972	N	X	X	8 461
3114217	Canned hominy and mushrooms.....	N	X	X	141 646	N	X	X	202 040
31142171	Canned hominy and mushrooms.....	N	X	X	141 642	N	X	X	N
3114217111	Canned hominy 1,000 cases (24/303 s)..	8	X	3 442.9	26 201	8	X	4 057.2	26 531
3114217121	Canned mushrooms 1,000 cases (24/303 s)..	12	X	4 043.4	115 441	14	X	5 452.2	175 509
3114217Y	Canned hominy and mushrooms, nsk.....	N	X	X	4	N	X	X	N
3114217YVV	Canned hominy and mushrooms, nsk.....	N	X	X	4	N	X	X	—
311421A	Canned vegetable juices.....	N	X	X	438 970	N	X	X	409 389
311421A1	Canned vegetable juices.....	N	X	X	438 405	N	X	X	N
311421A111	Canned tomato juice (including combinations containing 70 percent or more tomato juice) mil gal..	20	X	129.6	398 261	21	X	125.1	391 322
311421A121	Other canned vegetable juices mil gal..	6	X	11.8	40 144	7	X	5.2	17 783
311421AY	Canned vegetable juices, nsk.....	N	X	X	565	N	X	X	N
311421AYVV	Canned vegetable juices, nsk.....	N	X	X	565	N	X	X	284

Table 1. Products Statistics: 1997 and 1992—Con.

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NAICS product code	Product	1997				1992			
		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
311421	Canned fruits and vegetables—Con.								
311421D	Catsup and other canned tomato sauces, pastes, etc.	N	X	X	4 107 843	N	X	X	3 671 644
311421D1	Canned spaghetti, pizza, and marinara sauces	N	X	X	1 447 829	N	X	X	N
311421D111	Canned spaghetti, pizza, and marinara sauces, with or without other added ingredients, except salsa, including those with less than 20 percent meat 1,000 cases (12/12 glass)..	32	X	168 565.2	1 447 829	N	X	X	N
311421D2	Canned tomato, catsup, chili, and barbecue sauces, tomato paste, and tomato pulp and puree	N	X	X	2 316 782	N	X	X	N
311421D221	Canned tomato sauce, except pulp, puree, and paste, 7.1 oz to 10 oz (8 oz tall, etc.) 1,000 cases of 72..	16	X	13 872.5	159 494	15	X	11 761.5	154 039
311421D231	Canned tomato sauce, except pulp, puree, and paste, other sizes 1,000 cases (12/12 glass)..	21	X	68 441.9	253 974	22	X	61 227.9	226 043
311421D241	Canned catsup, 14 oz to 32 oz 1,000 cases of 24..	15	X	29 721.7	437 941	14	X	31 826.8	485 318
311421D251	Canned catsup, all other sizes (including individual serving sizes) 1,000 cases (12/12 glass)..	19	X	62 433.5	601 747	22	X	48 380.6	462 244
311421D261	Canned chili sauce 1,000 cases (12/12 glass)..	14	X	8 771.4	62 700	16	X	10 533.0	78 861
311421D271	Canned barbecue sauce 1,000 cases (12/12 glass)..	25	X	22 193.0	166 154	24	X	27 398.1	264 026
311421D281	Canned tomato paste mil lb..	22	X	23 174.1	574 398	21	X	22 123.8	575 654
311421D291	Canned tomato pulp and puree 1,000 cases (24/303 s)..	9	X	8 052.4	60 374	18	X	10 732.5	85 357
311421D3	Canned salsa	N	X	X	318 823	N	X	X	N
311421D3A1	Canned salsa, 16 oz 1,000 cases of 24..	31	X	11 264.6	192 198	N	X	X	N
311421D3B1	Canned salsa, 7 oz to 12 oz 1,000 cases of 24..	17	X	3 566.1	45 793	N	X	X	N
311421D3C1	Canned salsa, other sizes 1,000 cases (12/12 glass)..	26	X	5 184.8	80 832	N	X	X	N
311421DY	Catsup and other tomato sauces, pastes, etc., nsk	N	X	X	24 409	N	X	X	N
311421DYWV	Catsup and other tomato sauces, pastes, etc., nsk	N	X	X	24 409	N	X	X	24 757
311421G	Canned jams, jellies, and preserves	N	X	X	1 007 148	N	X	X	922 315
311421G1	Canned jams, jellies, and preserves	N	X	X	974 222	N	X	X	N
311421G111	Canned strawberry jams and preserves, pure mil lb..	23	X	343.2	263 390	26	X	314.1	251 737
311421G121	Canned raspberry jams and preserves, pure mil lb..	17	X	211.8	151 590	14	X	217.2	156 137
311421G131	Other canned jams and preserves, pure mil lb..	29	X	144.1	96 676	N	X	X	N
311421G141	Canned grape jelly, pure mil lb..	18	X	236.8	158 247	21	X	225.0	153 745
311421G151	Other canned jellies, pure mil lb..	23	X	141.9	109 295	26	X	129.3	100 807
311421G161	Fruit spread mil lb..	9	X	16.0	17 556	N	X	X	N
311421G171	Canned imitation jellies, jams, and preserves mil lb..	7	X	58.2	46 588	6	X	56.2	43 609
311421G181	Canned marmalades mil lb..	10	X	26.7	23 551	8	X	24.3	21 685
311421G191	Canned fruit butter mil lb..	15	X	S	46 812	10	X	56.1	57 350
311421G1A1	Canned maraschino cherries (excluding glace and candied) mil gal..	7	X	10.6	60 517	8	X	9.7	58 441
311421GY	Jams, jellies, and preserves, nsk	N	X	X	32 926	N	X	X	N
311421GYWV	Jams, jellies, and preserves, nsk	N	X	X	32 926	N	X	X	32 656
311421J	Canned fruit juices, nectars, and concentrates	N	X	X	2 915 653	N	X	X	3 319 661
311421J1	Canned orange juice, single strength	N	X	X	1 433 361	N	X	X	N
311421J111	Canned orange juice, single strength mil gal..	36	X	494.1	1 433 361	43	X	624.6	1 815 013
311421J2	Canned fruit juices except orange	N	X	X	1 458 638	N	X	X	N
311421J221	Canned apple juice, single strength mil gal..	34	X	235.8	491 595	43	X	232.1	486 584
311421J231	Canned grapefruit juice, single strength mil gal..	20	X	161.3	188 923	26	X	54.7	181 956
311421J241	Canned prune juice, single strength mil gal..	8	X	D	D	13	X	13.0	45 168
311421J251	Other canned whole fruit juices and mixtures of whole fruit juices mil gal..	33	X	146.5	495 555	38	X	176.2	510 196
311421J261	Canned nectars, single strength mil gal..	3	X	D	D	4	X	2.5	7 718
311421J271	Fruit juices, concentrated, hot pack ... mil gal sngl st equiv..	18	X	158.7	191 130	17	X	57.2	210 076
311421JY	Canned fruit juices, nectars, and concentrates, nsk	N	X	X	23 654	N	X	X	N
311421JYWV	Canned fruit juices, nectars, and concentrates, nsk	N	X	X	23 654	N	X	X	62 950
311421M	Fresh fruit juices and nectars, single strength	N	X	X	1 416 120	N	X	X	1 227 963
311421M1	Fresh fruit juices and nectars, single strength	N	X	X	1 400 590	N	X	X	N
311421M111	Fresh orange juices and nectars, single strength mil gal..	110	X	340.9	714 703	136	X	251.0	540 292
311421M121	Other fresh juices and nectars, single strength mil gal..	58	X	158.2	401 392	70	X	167.4	436 443
311421M131	Concentrated fruit juice (except for fountain use) mil gal sngl st equiv..	16	X	103.4	284 495	16	X	83.6	236 206

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
311421	Canned fruits and vegetables—Con.								
311421M	Fresh fruit juices and nectars, single strength—Con.								
311421MY	Fresh fruit juices and nectars, single strength, nsk	N	X	X	15 530	N	X	X	N
311421MYWV	Fresh fruit juices and nectars, single strength, nsk	N	X	X	15 530	N	X	X	15 022
311421P	Pickles and other pickled products	N	X	X	1 232 949	N	X	X	1 206 939
311421P1	Pickles and other pickled products	N	X	X	1 231 331	N	X	X	N
311421P111	Finished dill cucumber pickles	20	X	131.3	501 433	21	X	139.2	502 234
311421P121	Finished sour cucumber pickles	5	X	D	D	7	X	9.8	38 540
311421P131	Finished sweet cucumber pickles	14	X	122.1	197 155	17	X	117.3	193 589
311421P141	Refrigerated finished cucumber pickles, including overnight, half sour, artificially acidified, etc.	16	X	44.7	152 248	17	X	24.5	85 515
311421P151	Other finished pickles and pickled products (mushrooms, peppers, onions, etc.)	20	X	20.5	86 040	14	X	43.2	162 559
311421P161	Finished horseradish (excluding sauce)	11	X	3.8	24 052	10	X	P2.8	19 542
311421P171	Finished relishes	20	X	33.4	134 309	20	X	P30.3	97 555
311421P181	Finished sauerkraut	7	X	9.5	20 492	7	X	P4.0	8 472
311421P191	Other finished pickled products	14	X	23.2	51 270	10	X	16.1	37 065
311421P1A1	Unfinished pickles (salt stock)	7	X	22.7	20 644	7	X	P17.7	17 820
311421P1B1	Unfinished brined cherries	3	X	4.1	19 145	4	X	3.1	18 426
311421P1C1	Other bulk unfinished pickled products, such as mushrooms, sauerkraut, etc.	2	X	D	D	8	X	8.3	24 629
311421PY	Pickles and other pickled products, nsk	N	X	X	1 618	N	X	X	N
311421PYWV	Pickles and other pickled products, nsk	N	X	X	1 618	N	X	X	993
311421W	Fruit and vegetable canning, nsk, total	N	X	X	505 741	N	X	X	N
311421WY	Fruit and vegetable canning, nsk, for both nonadministrative-and administrative-record establishments	N	X	X	505 741	N	X	X	N
311421WYWW	Fruit and vegetable canning, nsk, for nonadministrative-record establishments	N	X	X	265 216	N	X	X	N
311421WYWY	Fruit and vegetable canning, nsk, for administrative-record establishments	N	X	X	240 525	N	X	X	N
311422	Specialty canned food products	N	X	X	6 408 152	N	X	X	N
3114221	Canned baby foods, except cereal and biscuits	N	X	X	929 732	N	X	X	D
31142211	Canned baby foods, except cereal and biscuits	N	X	X	929 732	N	X	X	N
3114221100	Canned baby foods, except cereal and biscuits	8	X	701.3	929 732	5	X	D	D
3114224	Canned soups and stews (except frozen or seafood)	N	X	X	2 684 750	N	X	X	1 986 232
31142241	Canned soups and stews (except frozen or seafood)	N	X	X	2 684 750	N	X	X	N
3114224100	Canned soups and stews (except frozen or seafood)	35	X	X	2 684 750	22	X	X	1 986 232
3114227	Canned dry beans	N	X	X	1 052 447	N	X	X	1 119 473
31142271	Canned dry beans	N	X	X	1 051 871	N	X	X	N
3114227111	Canned dry beans with pork, including baked, 7.1 oz to 13 oz (8 oz short, 8 oz tall, No. 1, picnic, etc.)	4	X	4 742.0	39 862	5	X	D	D
3114227121	Canned dry beans with pork, including baked, 13.1 oz to 22 oz (No. 300, No. 303, No. 2, etc.)	16	X	28 108.7	320 149	21	X	25 922.1	256 534
3114227131	Canned dry beans with pork, including baked, 22.1 oz to 27 oz (jumbo, etc.)	2	X	D	D	4	X	D	D
3114227141	Canned dry beans with pork, including baked, 27.1 oz to 40 oz (No. 2 one-half quart glass, etc.)	6	X	D	D	11	X	3 384.5	44 067
3114227151	Canned dry beans with pork, including baked, other sizes	15	X	X	63 698	12	X	X	67 502
3114227161	Canned dry beans with sauce, vegetarian style, including baked, 13.1 oz to 18 oz (No. 300, No. 303, etc.)	13	X	7 684.4	67 033	14	X	6 747.1	58 909
3114227171	Canned dry beans with sauce, vegetarian style, including baked, other sizes	12	X	X	54 653	13	X	X	49 799
3114227181	All other canned dry beans, including chili con carne containing less than 20 percent meat, 13.1 oz to 18 oz (No. 300, No. 303, etc.)	19	X	42 120.3	359 616	24	X	36 876.9	344 192
3114227191	All other canned dry beans, including chili con carne containing less than 20 percent meat, all other sizes	15	X	X	126 938	16	X	X	149 581

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
311422	Specialty canned food products—Con.								
3114227	Canned dry beans—Con.								
3114227Y	Canned dry beans, nsk.....	N	X	X	576	N	X	X	N
3114227YVW	Canned dry beans, nsk.....	N	X	X	576	N	X	X	298
311422A	Other canned specialties and canned nationality foods, nec	N	X	X	1 463 244	N	X	X	N
311422A1	Canned specialties and canned nationality foods	N	X	X	1 463 244	N	X	X	N
311422A111	Spaghetti with or without meat and ravioli	9	X	X	634 752	N	X	X	N
311422A121	Canned mincemeat	2	X	.7	752	4	X	D	D
311422A131	Canned Spanish foods (Mexican rice, tortillas, enchiladas)	11	X	X	143 157	13	X	X	129 716
311422A136	Frosting, canned, ready-to-spread (all varieties)	13	X	X	258 517	N	X	X	N
311422A141	Other canned specialties other than canned meats	20	X	X	426 066	N	X	X	N
311422AY	Other canned specialties and canned nationality foods, nsk	N	X	X	—	N	X	X	N
311422AYVW	Other canned specialties and canned nationality foods, nsk	N	X	X	—	N	X	X	N
311422W	Specialty canning, nsk, total	N	X	X	277 979	N	X	X	N
311422WY	Specialty canning, nsk, total	N	X	X	277 979	N	X	X	N
311422WYVW	Specialty canning, nsk	N	X	X	258 200	N	X	X	N
311422WYVY	Specialty canning, nsk	N	X	X	19 779	N	X	X	N
311423	Dried and dehydrated foods	N	X	X	3 225 732	N	X	X	N
3114231	Soup mixes, including oriental, dried and dehydrated, and freeze-dried	N	X	X	718 921	N	X	X	N
31142311	Soup mixes, including oriental, dried and dehydrated, and freeze-dried	N	X	X	680 891	N	X	X	N
3114231111	Soup mixes, including oriental, dried and dehydrated, and freeze-dried	25	X	D	D	18	X	282.2	592 384
3114231121	Bouillon	3	X	D	D	N	X	N	N
3114231Y	Bouillon, nsk	N	X	X	38 030	N	X	X	N
3114231YVW	Bouillon, nsk	N	X	X	38 030	N	X	X	N
3114234	Dried and dehydrated fruits and vegetables (including freeze-dried)	N	X	X	2 420 005	N	X	X	N
31142341	Dried and dehydrated fruits and vegetables	N	X	X	2 420 005	N	X	X	N
3114234111	Raisins, dried and dehydrated	6	X	503.4	493 840	10	X	477.0	434 174
3114234121	Prunes, dried and dehydrated	9	X	283.1	273 374	10	X	P344.6	304 988
3114234131	Apples, dried and dehydrated	10	X	61.4	98 912	10	X	52.7	73 048
3114234141	Other dried and dehydrated fruits and fruit peels, including fruit flour, meal, and powder	20	X	317.2	496 358	24	X	P123.6	239 339
3114234151	Dried and dehydrated potatoes (except potato flour), not packaged with other ingredients	13	X	806.0	540 527	10	X	619.0	470 821
3114234161	Onions, dried and dehydrated	3	X	132.2	144 052	6	X	184.8	210 329
3114234181	Other dried and dehydrated vegetables	20	X	258.9	372 942	N	X	X	N
3114234Y	Dried and dehydrated fruits and vegetables (including freeze-dried), nsk	N	X	X	—	N	X	X	N
3114234YVW	Dried and dehydrated fruits and vegetables (including freeze-dried), nsk	N	X	X	—	N	X	X	N
311423W	Dried and dehydrated fruits, vegetables, and soups, nsk, total	N	X	X	86 806	N	X	X	N
311423WY	Dried and dehydrated fruits, vegetables, and soups, nsk, for both nonadministrative and administrative-record establishments	N	X	X	86 806	N	X	X	N
311423WYVW	Dried and dehydrated fruits, vegetables, and soups, nsk, for nonadministrative-record establishments	N	X	X	56 812	N	X	X	N
311423WYVY	Dried and dehydrated fruits, vegetables, and soups, nsk, for administrative-record establishments	N	X	X	29 994	N	X	X	N
311511	Fluid milk	N	X	X	19 468 685	N	X	X	18 571 860
3115111	Bulk fluid milk and cream	N	X	X	3 115 437	N	X	X	3 035 466
31151111	Fluid whole milk, bulk sales	N	X	X	1 665 606	N	X	X	N
3115111111	Fluid whole milk, bulk sales	114	X	11 433.5	1 665 606	119	X	12 120.9	1 597 875
31151112	Other bulk fluid milk and cream	N	X	X	1 427 104	N	X	X	N
3115111221	Fluid skim milk, bulk sales	41	X	946.9	186 627	36	X	985.5	137 396
3115111231	Fluid cream and buttermilk, bulk sales	181	X	P2 255.8	1 094 280	178	X	2 678.9	1 038 178
3115111241	Other bulk fluid milk and cream (eggnog, lowfat, etc.)	31	X	432.8	146 197	40	X	S	138 886
3115111Y	Bulk fluid milk and cream, nsk	N	X	X	22 727	N	X	X	N
3115111YVW	Bulk fluid milk and cream, nsk	N	X	X	22 727	N	X	X	123 131

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311511	Fluid milk—Con.								
3115114	Packaged fluid milk and related products, including cartons, bottles, cans, and dispenser cans	N	X	X	12 468 038	N	X	X	11 732 668
31151141	Fluid whole milk, packaged (including U.H.T.)	N	X	X	4 556 356	N	X	X	N
3115114111	Fluid whole milk, packaged (including U.H.T.)	198	X	8 814.5	4 556 356	232	X	9 314.0	4 439 972
31151142	Lowfat milk, packaged (including U.H.T.)	N	X	X	4 727 967	N	X	X	N
3115114221	Lowfat milk, packaged (including U.H.T.)	192	X	910 123.3	4 727 967	226	X	10 254.9	4 540 544
31151143	Skim milk, packaged (including U.H.T.)	N	X	X	1 552 376	N	X	X	N
3115114331	Skim milk, packaged (including U.H.T.)	182	X	93 208.4	1 552 376	207	X	3 024.8	1 188 460
31151144	All other packaged fluid milk and related products, including cartons, bottles, cans, and dispenser cans	N	X	X	1 499 117	N	X	X	N
3115114441	Heavy cream, packaged (whipping cream containing 36 percent butterfat or more)	89	X	9178.5	271 296	92	X	201.3	202 906
3115114451	Light cream, packaged (coffee cream containing less than 36 percent butterfat)	39	X	S	179 917	46	X	86.0	82 190
3115114461	Sour cream, unflavored, packaged	90	X	9602.3	514 417	96	X	490.4	371 345
3115114471	Half and half, packaged	102	X	S	428 478	120	X	9365.1	300 015
3115114481	Whipped topping, butterfat base, packaged	17	X	971.9	105 009	18	X	48.4	72 593
3115114Y	Packaged fluid milk and related products, including cartons, bottles, cans, and dispenser cans, nsk	N	X	X	132 222	N	X	X	N
3115114YV	Packaged fluid milk and related products, including cartons, bottles, cans, and dispenser cans, nsk	N	X	X	132 222	N	X	X	534 643
3115117	Cottage cheese (including bakers', pot, and farmers' cheese)	N	X	X	720 202	N	X	X	769 563
31151171	Cottage cheese (including bakers', pot, and farmers' cheese)	N	X	X	708 721	N	X	X	N
3115117111	Cottage cheese (including bakers', pot, and farmers' cheese), manufactured and creamed in this plant	66	X	9668.2	603 866	79	X	790.6	666 729
3115117121	Cottage cheese (including bakers', pot, and farmers' cheese), manufactured in this plant, sold as curd (not creamed)	13	X	967.0	72 517	13	X	947.8	38 817
3115117131	Cottage cheese (including bakers', pot, and farmers' cheese), creamed in this plant from purchased curd	8	X	932.8	32 338	8	X	35.2	30 619
3115117Y	Cottage cheese (including bakers', pot, and farmers' cheese), nsk	N	X	X	11 481	N	X	X	N
3115117YV	Cottage cheese (including bakers', pot, and farmers' cheese), nsk	N	X	X	11 481	N	X	X	33 398
311511A	Yogurt, except frozen	N	X	X	1 334 927	N	X	X	998 162
311511A1	Yogurt, except frozen	N	X	X	1 217 336	N	X	X	N
311511A111	Regular and lowfat yogurt, except frozen	38	X	1 297.7	1 023 329	N	X	N	N
311511A121	Nonfat yogurt, except frozen	20	X	272.9	194 007	N	X	N	N
311511AY	Yogurt, except frozen, nsk	N	X	X	117 591	N	X	X	N
311511AYV	Yogurt, except frozen, nsk	N	X	X	117 591	N	X	X	N
311511D	Perishable dairy product substitutes	N	X	X	477 766	N	X	X	238 410
311511D1	Perishable dairy product substitutes	N	X	X	477 309	N	X	X	N
311511D111	Perishable flavored dip substitutes	9	X	40.9	40 523	11	X	29.3	28 917
311511D121	Perishable whipped topping, nonbutterfat base (including pressure can type)	16	X	926.2	28 960	11	X	S	47 439
311511D131	Perishable coffee whitener substitutes	23	X	S	244 462	20	X	S	61 275
311511D141	Perishable sour cream substitutes	10	X	X	11 274	8	X	X	12 994
311511D151	Perishable flavored milk drink substitutes (chocolate drink, etc.)	21	X	9111.9	57 757	16	X	995.0	38 205
311511D161	Other perishable dairy product substitutes	18	X	X	94 333	12	X	X	46 133
311511DY	Perishable dairy product substitutes, nsk	N	X	X	457	N	X	X	N
311511DYV	Perishable dairy product substitutes, nsk	N	X	X	457	N	X	X	3 447

Table 1. Products Statistics: 1997 and 1992—Con.

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS product code	Product	1997				1992			
		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
311511	Fluid milk—Con.								
311511G	Other packaged milk products, nec	N	X	X	1 054 079	N	X	X	886 559
311511G1	Other packaged milk products, nec	N	X	X	1 050 772	N	X	X	N
311511G111	Flavored sour cream dips	40	X	S	120 344	39	X	128.4	68 954
311511G121	Flavored milks (chocolate milk, etc.)	122	X	985.2	620 137	152	X	929.1	497 298
311511G131	Other milk products (eggnog, buttermilk, acidophilus milk, reconstituted milk, etc.)	100	X	453.7	310 291	117	X	518.5	305 913
311511GY	Other packaged milk products, nec, nsk	N	X	X	3 307	N	X	X	N
311511GYWV	Other packaged milk products, nec, nsk	N	X	X	3 307	N	X	X	14 394
311511W	Fluid milk, nsk, total	N	X	X	298 236	N	X	X	911 032
311511WY	Fluid milk manufacturing, nsk, total	N	X	X	298 236	N	X	X	N
311511WYWW	Fluid milk manufacturing, nsk, for nonadministrative-record establishments	N	X	X	201 311	N	X	X	863 139
311511WYWY	Fluid milk manufacturing, nsk, for administrative-record establishments	N	X	X	96 925	N	X	X	48 162
311512	Creamery butter	N	X	X	1 636 080	N	X	X	1 201 621
3115120	Creamery butter	N	X	X	1 636 080	N	X	X	1 201 621
31151201	Creamery butter	N	X	X	1 635 473	N	X	X	N
3115120111	Creamery butter, shipped in bulk (containers more than 3 lb)	57	X	684.3	758 255	59	X	695.1	662 612
3115120121	Creamery butter, shipped in consumer packages (containers 3 lb or less)	34	X	667.0	805 768	36	X	512.0	494 915
3115120131	Creamery butter, anhydrous milkfat (butteroil)	5	X	48.6	71 450	5	X	D	D
3115120Y	Creamery butter manufacturing, nsk, total	N	X	X	607	N	X	X	N
3115120YWW	Creamery butter manufacturing, nsk, for nonadministrative-record establishments	N	X	X	—	N	X	X	D
3115120YWY	Creamery butter manufacturing, nsk, for administrative-record establishments	N	X	X	607	N	X	X	—
311513	Cheese	N	X	X	18 221 638	N	X	X	15 863 477
3115131	Natural cheese, except cottage cheese (cheddar, swiss, italian, brick, cream, grated, dried, etc.)	N	X	X	13 102 105	N	X	X	10 078 599
31151311	Natural cheese, except cottage cheese (cheddar, swiss, italian, brick, cream, grated, dried, etc.)	N	X	X	13 085 286	N	X	X	N
3115131111	Natural cheese, excluding lowfat natural cheese (except cottage cheese), shipped in consumer packages or containers (3 lb or less)	106	X	2 319.0	3 973 946	N	X	N	N
3115131121	Natural cheese, excluding lowfat natural cheese (except cottage cheese), shipped in packages or containers of more than 3 lb or in bulk	168	X	5 726.0	8 027 082	N	X	N	N
3115131131	Lowfat natural cheese, except cottage cheese, shipped in consumer packages or containers (3 lb or less)	28	X	200.4	367 985	N	X	N	N
3115131141	Lowfat natural cheese, except cottage cheese, shipped in packages or containers of more than 3 lb or in bulk	42	X	471.4	716 273	N	X	N	N
3115131Y	Natural cheese, except cottage cheese (cheddar, swiss, italian, brick, cream, grated, dried, etc.), nsk	N	X	X	16 819	N	X	X	N
3115131YWV	Natural cheese, except cottage cheese (cheddar, swiss, italian, brick, cream, grated, dried, etc.), nsk	N	X	X	16 819	N	X	X	38 144
3115134	Process cheese and related products	N	X	X	4 325 684	N	X	X	5 068 421
31151341	Process cheese, shipped in consumer packages or containers (3 lb or less)	N	X	X	1 402 853	N	X	X	N
3115134111	Process cheese, shipped in consumer packages or containers (3 lb or less)	28	X	761.0	1 402 853	30	X	1 079.5	2 178 399
31151342	All other process cheese and related products	N	X	X	2 912 167	N	X	X	N
3115134221	Process cheese, shipped in packages or containers of more than 3 lb or in bulk	32	X	1 465.8	1 996 697	36	X	1 463.3	1 729 460
3115134231	Cheese food	22	X	252.4	451 161	16	X	334.4	444 131
3115134241	Cheese spread	19	X	S	273 491	13	X	329.0	521 066
3115134251	Other related cheese products, including flavored cheese dips	24	X	112.8	190 818	21	X	144.0	177 733

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
311513	Cheese—Con.								
3115134	Process cheese and related products—Con.								
3115134Y	Process cheese and related products, nsk	N	X	X	10 664	N	X	X	N
3115134YVV	Process cheese and related products, nsk	N	X	X	10 664	N	X	X	17 632
3115137	Cheese substitutes and imitations	N	X	X	345 514	N	X	X	313 884
31151371	Cheese substitutes and imitations	N	X	X	345 514	N	X	X	N
3115137111	Products substituting for natural cheese	10	X	¶173.5	175 123	15	X	S	184 958
3115137121	Products substituting for processed cheese or related products	10	X	S	170 391	14	X	¶148.2	128 926
3115137Y	Cheese substitutes and imitations, nsk	N	X	X	—	N	X	X	N
3115137YVV	Cheese substitutes and imitations, nsk	N	X	X	—	N	X	X	—
311513A	Raw liquid whey	N	X	X	113 249	N	X	X	N
311513A1	Raw liquid whey	N	X	X	113 249	N	X	X	N
311513A100	Raw liquid whey	32	X	S	113 249	N	X	X	N
311513W	Cheese products, nsk, total	N	X	X	335 086	N	X	X	N
311513WY	Cheese manufacturing, nsk, total	N	X	X	335 086	N	X	X	N
311513WYVV	Cheese manufacturing, nsk, for nonadministrative-record establishments	N	X	X	144 123	N	X	X	N
311513WYVY	Cheese manufacturing, nsk, for administrative-record establishments	N	X	X	190 963	N	X	X	34 274
311514	Dry, condensed, and evaporated milk	N	X	X	8 570 999	N	X	X	7 379 924
3115141	Dry milk products and mixtures	N	X	X	3 538 811	N	X	X	2 876 766
31151411	Nonfat dry milk, shipped in consumer type packages (containers 3 lb or less)	N	X	X	100 569	N	X	X	N
3115141111	Nonfat dry milk, shipped in consumer type packages (containers 3 lb or less)	7	X	¶79.5	100 569	7	X	97.9	94 111
31151412	Infants' formula, dry milk type, shipped in consumer type packages (containers 3 lb or less)	N	X	X	646 386	N	X	X	N
3115141221	Infants' formula, dry milk type, shipped in consumer type packages (containers 3 lb or less)	6	X	695.4	646 386	6	X	¶209.6	408 854
31151413	Other dry milk products (instant chocolate milk, weight control products, whole milk powder, malted milk powder, etc.) shipped in consumer type packages (containers 3 lb or less)	N	X	X	405 374	N	X	X	N
3115141331	Other dry milk products (instant chocolate milk, weight control products, whole milk powder, malted milk powder, etc.), shipped in consumer type packages (containers 3 lb or less)	12	X	283.4	405 374	14	X	370.9	585 542
31151414	Dry whole milk, food grade (bakeries, confectioners, meat packers, etc.), shipped in bulk (containers more than 3 lb)	N	X	X	132 495	N	X	X	N
3115141441	Dry whole milk, food grade (bakeries, confectioners, meat packers, etc.), shipped in bulk (containers more than 3 lb)	12	X	124.5	132 495	13	X	¶172.3	175 154
31151415	Nonfat dry milk, food grade (bakeries, confectioners, meat packers, etc.), shipped in bulk (containers more than 3 lb)	N	X	X	1 310 156	N	X	X	N
3115141551	Nonfat dry milk, food grade (bakeries, confectioners, meat packers, etc.), shipped in bulk (containers more than 3 lb)	34	X	¶1 211.4	1 310 156	36	X	781.3	774 854

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
311514	Dry, condensed, and evaporated milk—Con.								
3115141	Dry milk products and mixtures—Con.								
31151416	Dry and modified dry whey products (including dry lactose), food grade (bakeries, confectioners, meat packers, etc.) shipped in bulk (containers more than 3 lb)	N	X	X	572 844	N	X	X	N
3115141661	Dry whey, food grade (bakeries, confectioners, meat packers, etc.), shipped in bulk (containers more than 3 lb)	37	X	P1 127.6	284 206	39	X	1 536.0	315 294
3115141671	Modified dry whey products (whey protein concentrates, etc.), food grade (bakeries, confectioners, meat packers, etc.), shipped in bulk (containers more than 3 lb)	24	X	Q398.3	212 865	N	X	N	N
3115141681	Dry lactose, food grade (bakeries, confectioners, meat packers, etc.), shipped in bulk (containers more than 3 lb)	18	X	Q344.6	75 773	N	X	N	N
31151417	Other food grade dry milk products, shipped in bulk (containers more than 3 lb)	N	X	X	300 789	N	X	X	N
3115141791	Other food grade dry milk products, shipped in bulk (containers more than 3 lb)	30	X	Q231.3	300 789	30	X	205.2	223 147
31151418	Feed grade dry milk products and mixtures (dry milk, dry buttermilk, dry whey, etc.), shipped in bulk (containers more than 3 lb)	N	X	X	61 537	N	X	X	N
31151418A1	Feed grade dry milk products and mixtures (dry milk, dry buttermilk, dry whey, etc.), shipped in bulk (containers more than 3 lb)	26	X	116.0	61 537	30	X	Q254.0	103 531
3115141Y	Dry milk products and mixtures, nsk	N	X	X	8 661	N	X	X	N
3115141YWV	Dry milk products and mixtures, nsk	N	X	X	8 661	N	X	X	28 592
3115144	Canned milk products (consumer-type cans), except substitutes	N	X	X	1 426 526	N	X	X	1 202 344
31151441	Canned evaporated milk, condensed milk, and milk-based dietary supplements and weight control products (consumer type cans), except substitutes	N	X	X	626 879	N	X	X	N
3115144111	Canned evaporated milk (consumer type cans), except substitutes	7	X	372.0	203 214	7	X	536.6	329 802
3115144121	Canned condensed milk (consumer type cans), except substitutes	7	X	177.2	147 671	7	X	162.7	155 643
3115144131	Canned milk-based dietary supplements, weight control products (consumer type cans), except substitutes	13	X	S	275 994	2	X	D	D
31151442	Canned milk-based infants' formula, liquid (consumer type cans), except substitutes	N	X	X	D	N	X	X	N
3115144241	Canned milk-based infants' formula, liquid (consumer type cans), except substitutes	4	X	D	D	5	X	Q737.6	618 544
31151443	Other canned milk products, including canned whole milk (consumer type cans), except substitutes	N	X	X	D	N	X	X	N
3115144351	Other canned milk products, including canned whole milk (consumer type cans), except substitutes	3	X	D	D	5	X	D	D
3115144Y	Canned milk products (consumer type cans), except substitutes, nsk	N	X	X	—	N	X	X	N
3115144YWV	Canned milk products (consumer type cans), except substitutes, nsk	N	X	X	—	N	X	X	—
3115147	Concentrated milk products shipped in bulk (barrels, drums, and tanks)	N	X	X	747 841	N	X	X	903 304
31151471	Concentrated milk products shipped in bulk (barrels, drums, and tanks)	N	X	X	747 841	N	X	X	N
3115147111	Concentrated milk products shipped in bulk (barrels, drums, and tanks), feed grade, including concentrated whey and buttermilk	9	X	S	40 962	15	X	156.9	60 688
3115147121	Concentrated whey (in terms of solids) shipped in bulk (barrels, drums, and tanks), food grade (except all types of ice cream mixes)	28	X	Q1 438.7	137 706	24	X	790.3	128 394
3115147131	All other concentrated milk products shipped in bulk (drums, barrels, and tanks), food grade (except ice cream and ice cream mixes)	29	X	1 339.6	569 173	30	X	1 440.4	711 446

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
311514	Dry, condensed, and evaporated milk—Con.								
3115147	Concentrated milk products shipped in bulk (barrels, drums, and tanks)—Con.								
3115147Y	Concentrated milk products shipped in bulk (barrels, drums, and tanks), nsk	N	X	X	—	N	X	X	N
3115147YV	Concentrated milk products shipped in bulk (barrels, drums, and tanks), nsk	N	X	X	—	N	X	X	2 776
311514A	Ice cream mixes and related products	N	X	X	876 668	N	X	X	743 514
311514A1	All ice cream mixes	N	X	X	589 050	N	X	X	N
311514A111	Ice cream mix, excluding lowfat and nonfat	97	X	127.3	441 970	85	X	108.9	267 950
311514A121	Lowfat ice cream mix	54	X	47.8	142 111	61	X	58.2	118 423
311514A131	Nonfat ice cream mix	8	X	S	4 969	N	X	N	N
311514A2	Sherbet, yogurt, milkshake, and other milk-based mixes	N	X	X	285 920	N	X	X	N
311514A241	Sherbet mix	14	X	4.7	14 969	11	X	P3.1	7 608
311514A251	Yogurt mix	39	X	P16.8	51 679	44	X	48.5	161 834
311514A261	Milkshake mix	45	X	46.4	119 786	50	X	P48.6	119 468
311514A271	Other milk-based mixes	31	X	S	99 486	N	X	N	N
311514AY	Ice cream mixes and related products, nsk	N	X	X	1 698	N	X	X	N
311514AYV	Ice cream mixes and related products, nsk	N	X	X	1 698	N	X	X	16 641
311514D	Dairy product substitutes	N	X	X	1 899 881	N	X	X	1 565 961
311514D1	Dairy product substitutes	N	X	X	1 896 324	N	X	X	N
311514D111	Dry coffee whitener dairy substitutes	19	X	515.4	346 163	17	X	P365.4	325 522
311514D121	Dry infants' formula dairy substitutes	4	X	D	D	5	X	P47.9	144 333
311514D131	Dry sour cream dairy substitutes	2	X	D	D	3	X	S	7 913
311514D141	Other dry dairy substitutes, including whipped topping, etc.	15	X	S	76 278	15	X	P104.1	95 035
311514D151	Canned liquid infants' formula dairy substitutes	2	X	D	D	4	X	D	D
311514D161	Other canned dairy product substitutes, including dietary supplements and weight control products	23	X	P814.9	1 195 726	8	X	D	D
311514DY	Dairy product substitutes, nsk	N	X	X	3 557	N	X	X	N
311514DYV	Dairy product substitutes, nsk	N	X	X	3 557	N	X	X	Z
311514W	Dry, condensed, and evaporated milk products, nsk, total	N	X	X	81 272	N	X	X	88 035
311514WY	Dry, condensed, and evaporated milk manufacturing, nsk, total	N	X	X	81 272	N	X	X	N
311514WYV	Dry, condensed, and evaporated milk manufacturing, nsk, for nonadministrative-record establishments	N	X	X	48 921	N	X	X	156 064
311514WYVY	Dry, condensed, and evaporated milk manufacturing, nsk, for administrative-record establishments	N	X	X	32 351	N	X	X	5 174
311520	Ice cream and frozen desserts	N	X	X	5 758 731	N	X	X	5 277 962
3115200	Ice cream and ices	N	X	X	5 758 731	N	X	X	5 277 962
31152001	Ice cream, excluding lowfat and nonfat (including custards), shipped in bulk (containers 3 gal or more)	N	X	X	639 176	N	X	X	N
3115200111	Ice cream, excluding lowfat and nonfat (including custards), shipped in bulk (containers 3 gal or more)	135	X	138.7	639 176	148	X	136.7	504 403
31152002	Ice cream, excluding lowfat and nonfat (including custards), shipped in container sizes (less than 3 gal)	N	X	X	2 709 413	N	X	X	N
3115200221	Ice cream, excluding lowfat and nonfat (including custards), shipped in container sizes (less than 3 gal)	143	X	748.9	2 709 413	171	X	722.6	2 253 361
31152003	Ice cream, excluding lowfat and nonfat (including custards), novelty forms	N	X	X	968 061	N	X	X	N
3115200331	Ice cream, excluding lowfat and nonfat (including custards), novelty forms	89	X	163.0	968 061	102	X	305.3	1 138 551

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
311520	Ice cream and frozen desserts—Con.								
3115200	Ice cream and ices—Con.								
31152004	Lowfat and nonfat ice cream (including custards)	N	X	X	380 031	N	X	X	N
3115200441	Lowfat ice cream (including custards), shipped in bulk (containers 3 gal or more)	17	X	S	18 759	15	X	93.9	10 856
3115200451	Lowfat ice cream (including custards), shipped in container sizes (less than 3 gal)	65	X	P77.7	189 494	80	X	89.7	212 228
3115200461	Lowfat ice cream (including custards), novelty forms	30	X	S	89 094	42	X	31.4	106 344
3115200471	Nonfat ice cream (including custards), shipped in bulk (containers 3 gal or more)	6	N	P1.0	3 642	N	N	X	N
3115200481	Nonfat ice cream (including custards), shipped in container sizes (less than 3 gal)	23	N	18.9	63 061	N	N	X	N
3115200491	Nonfat ice cream (including custards), novelty forms	6	N	.8	15 981	N	N	X	N
31152005	Other frozen desserts (yogurt, sherbet, water ices, mellorine, frozen pudding, etc.)	N	X	X	799 689	N	X	X	N
31152005A1	Regular and lowfat frozen yogurt	65	N	P58.1	213 835	N	N	X	N
31152005B1	Nonfat frozen yogurt	32	N	S	90 953	N	N	X	N
31152005C1	Sherbet, shipped in bulk (containers 3 gal or more)	36	X	S	41 381	34	X	P5.9	17 929
31152005D1	Sherbet, shipped in all other sizes, including novelty forms	62	X	P31.9	99 990	74	X	29.8	91 327
31152005E1	Water ices containing no real fruit or fruit juice	45	X	P63.1	148 143	34	X	P54.0	167 002
31152005F1	Ices containing some real fruit or fruit juice	42	X	P51.4	139 230	41	X	P18.9	81 765
31152005G1	Mellorine and similar frozen desserts containing fats other than butterfat (including tofu-type)	8	X	S	23 673	12	X	14.6	27 867
31152005H1	Other frozen desserts (frozen pudding, etc.)	19	X	S	42 484	N	X	N	N
3115200Y	Ice cream and frozen dessert manufacturing, nsk, total	N	X	X	262 361	N	X	X	N
3115200YWW	Ice cream and frozen dessert manufacturing, nsk, for nonadministrative-record establishments	N	X	X	125 135	N	X	X	170 614
3115200YWY	Ice cream and frozen dessert manufacturing, nsk, for administrative-record establishments	N	X	X	137 226	N	X	X	64 624
311611	Animal slaughtering products, except poultry	N	X	X	50 566 086	N	X	X	N
3116111	Fresh and frozen beef, not canned or made into sausage, made from animals slaughtered in this plant	N	X	X	28 133 566	N	X	X	26 943 303
31161111	Fresh and frozen whole carcass and half carcass beef, not canned or made into sausage, made from animals slaughtered in this plant	N	X	X	6 733 819	N	X	X	N
3116111111	Fresh and frozen whole carcass and half carcass beef, not canned or made into sausage, made from animals slaughtered in this plant	77	X	S	6 733 819	82	X	P5 662.5	5 669 169
31161112	Fresh and frozen primal cuts, not canned or made into sausage, made from animals slaughtered in this plant	N	X	X	1 127 657	N	X	X	N
3116111221	Fresh and frozen primal cuts, not canned or made into sausage, made from animals slaughtered in this plant	41	X	S	1 127 657	42	X	769.8	1 260 574
31161113	Fresh and frozen subprimal and fabricated cuts packaged in plastics (boxed beef), not canned or made into sausage, made from animals slaughtered in this plant	N	X	X	15 406 921	N	X	X	N
3116111331	Fresh and frozen subprimal and fabricated cuts packaged in plastics (boxed beef), not canned or made into sausage, made from animals slaughtered in this plant	74	X	P10 360.9	15 406 921	53	X	P9 385.5	15 298 298
31161114	Other fresh and frozen subprimal and fabricated cuts, not canned or made into sausage, made from animals slaughtered in this plant	N	X	X	155 518	N	X	X	N
3116111441	Other fresh and frozen subprimal and fabricated cuts, not canned or made into sausage, made from animals slaughtered in this plant	23	X	89.7	155 518	21	X	P150.0	168 894

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NAICS product code	Product	1997				1992			
		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
311611	Animal slaughtering products, except poultry—Con.								
3116111	Fresh and frozen beef, not canned or made into sausage, made from animals slaughtered in this plant—Con.								
31161115	Fresh and frozen boneless beef, including hamburger, not canned or made into sausage, made from animals slaughtered in this plant.....	N	X	X	3 257 140	N	X	X	N
3116111551	Fresh and frozen boneless beef, including hamburger, not canned or made into sausage, made from animals slaughtered in this plant..... mil lb..	100	X	P3 069.6	3 257 140	78	X	2 967.8	3 263 275
31161116	Other fresh and frozen edible beef, including corned beef, not canned or made into sausage, made from animals slaughtered in this plant.....	N	X	X	1 105 503	N	X	X	N
3116111661	Fresh and frozen variety meats (edible organs), not canned or made into sausage, made from animals slaughtered in this plant..... mil lb..	40	X	1 427.5	947 912	48	X	1 413.5	755 922
3116111671	Other fresh and frozen edible beef, including corned beef, not canned or made into sausage, made from animals slaughtered in this plant..... mil lb..	18	X	108.4	157 591	12	X	9109.3	80 940
3116111Y	Beef, not canned or made into sausage, nsk	N	X	X	347 008	N	X	X	N
3116111YWV	Beef, not canned or made into sausage, nsk	N	X	X	347 008	N	X	X	446 231
3116114	Fresh and frozen veal, not canned or made into sausage, made from animals slaughtered in this plant	N	X	X	355 320	N	X	X	283 048
31161141	Fresh and frozen veal, not canned or made into sausage, made from animals slaughtered in this plant	N	X	X	347 848	N	X	X	N
3116114111	Fresh and frozen whole carcass and half carcass veal, not canned or made into sausage, made from animals slaughtered in this plant..... mil lb..	16	X	71.9	116 435	13	X	927.9	47 486
3116114121	Fresh and frozen primal, subprimal, and fabricated cuts, and boneless veal, not canned or made into sausage, made from animals slaughtered in this plant	22	X	116.1	217 631	13	X	P118.8	222 622
3116114131	Other fresh and frozen edible veal, including edible organs, not canned or made into sausage, made from animals slaughtered in this plant..... mil lb..	11	X	S	13 782	4	X	4.6	7 855
3116114Y	Veal, not canned or made into sausage, nsk	N	X	X	7 472	N	X	X	N
3116114YWV	Veal, not canned or made into sausage, nsk	N	X	X	7 472	N	X	X	5 085
3116117	Fresh and frozen lamb and mutton, not canned or made into sausage, made from animals slaughtered in this plant	N	X	X	375 767	N	X	X	335 009
31161171	Fresh and frozen lamb and mutton, not canned or made into sausage, made from animals slaughtered in this plant	N	X	X	373 023	N	X	X	N
3116117111	Fresh and frozen whole carcass and half carcass lamb and mutton, not canned or made into sausage, made from animals slaughtered in this plant	15	X	S	233 244	14	X	210.7	214 711
3116117121	Fresh and frozen primal cuts and all other edible lamb and mutton, not canned or made into sausage, made from animals slaughtered in this plant	14	X	65.3	139 779	8	X	72.8	116 952
3116117Y	Lamb and mutton, not canned or made into sausage, nsk	N	X	X	2 744	N	X	X	N
3116117YWV	Lamb and mutton, not canned or made into sausage, nsk	N	X	X	2 744	N	X	X	3 346
311611A	Fresh and frozen pork, not canned or made into sausage, made from animals slaughtered in this plant	N	X	X	11 806 893	N	X	X	9 647 669
311611A1	Fresh and frozen pork, not canned or made into sausage, made from animals slaughtered in this plant	N	X	X	11 777 787	N	X	X	N
311611A111	Fresh and frozen whole carcass and half carcass pork, not canned or made into sausage, made from animals slaughtered in this plant..... mil lb..	34	X	1 410.3	1 270 903	27	X	917.8	643 782
311611A121	Fresh and frozen primal and fabricated cuts (including trimmings), not canned or made into sausage, made from animals slaughtered in this plant	86	X	S	10 249 430	73	X	10 742.5	8 791 795

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
311611	Animal slaughtering products, except poultry—Con.								
311611A	Fresh and frozen pork, not canned or made into sausage, made from animals slaughtered in this plant—Con.								
311611A1	Fresh and frozen pork, not canned or made into sausage, made from animals slaughtered in this plant—Con.								
311611A131	Fresh and frozen variety meats (edible organs), not canned or made into sausage, made from animals slaughtered in this plant..... mil lb..	30	X	S	257 454	36	X	517.2	184 529
311611AY	Pork, not canned or made into sausage, nsk	N	X	X	29 106	N	X	X	N
311611AYWV	Pork, not canned or made into sausage, nsk	N	X	X	29 106	N	X	X	27 563
311611D	Lard, made from animals slaughtered in this plant	N	X	X	D	N	X	X	105 582
311611D1	Lard, made from animals slaughtered in this plant	N	X	X	D	N	X	X	N
311611D111	Lard, consumer sizes (containers 3 lb or less), made from animals slaughtered in this plant	3	X	D	D	3	X	P11.4	3 246
311611D121	Lard, commercial sizes (containers more than 3 lb), made from animals slaughtered in this plant	9	X	D	D	12	X	345.8	87 998
311611DY	Lard, nsk	N	X	X	284	N	X	X	N
311611DYWV	Lard, nsk	N	X	X	284	N	X	X	N
311611G	Pork, processed or cured (not canned or made into sausage), made from animals slaughtered in this plant	N	X	X	2 972 828	N	X	X	2 016 572
311611G1	Pork, processed or cured (not canned or made into sausage), made from animals slaughtered in this plant	N	X	X	2 928 028	N	X	X	N
311611G111	Sweet-pickled or dry-cured pork (not smoked, cooked, canned, or made into sausage), made from animals slaughtered in this plant \$	4	X	D	D	5	X	11.6	19 706
311611G121	Dry salt pork, not canned or made into sausage, made from animals slaughtered in this plant \$	11	X	D	D	14	X	110.1	69 922
311611G131	Smoked hams and picnics, except canned, made from animals slaughtered in this plant \$	31	X	S	1 675 740	53	X	745.9	1 069 072
311611G141	Smoked slab bacon, made from animals slaughtered in this plant \$	22	X	263.8	256 375	26	X	124.2	99 773
311611G151	Smoked sliced bacon, made from animals slaughtered in this plant \$	25	X	418.7	608 995	37	X	581.7	527 345
311611G161	Other smoked pork, not canned or made into sausage, made from animals slaughtered in this plant \$	16	X	S	73 952	25	X	73.8	71 863
311611G171	Boiled ham, barbecue pork, and other cooked pork, except canned meats and sausage, made from animals slaughtered in this plant \$	8	X	132.8	216 881	16	X	99.6	147 038
311611GY	Pork, processed or cured (not canned or made into sausage), nsk	N	X	X	44 800	N	X	X	N
311611GYWV	Pork, processed or cured (not canned or made into sausage), nsk	N	X	X	44 800	N	X	X	11 853
311611J	Sausages and similar products (not canned), made from animals slaughtered in this plant	N	X	X	1 997 959	N	X	X	1 707 086
311611J1	Sausages and similar products (not canned), made from animals slaughtered in this plant	N	X	X	1 980 907	N	X	X	N
311611J111	Fresh sausage (pork sausage, breakfast links, etc.), made from animals slaughtered in this plant \$	64	X	S	857 571	60	X	S	665 479
311611J121	Dry or semidry (salami, cervelat, beef jerky, pepperoni, summer sausage, pork roll, etc.), made from animals slaughtered in this plant \$	13	X	D	D	17	X	97.3	171 724
311611J131	Frankfurters, including wieners, made from animals slaughtered in this plant \$	18	X	S	336 828	36	X	392.6	392 370
311611J141	Other sausage, smoked or cooked (bologna, liverwurst, Polish sausage, packaged luncheon meats, minced roll, smoked pork sausage, etc.), made from animals slaughtered in this plant \$	43	X	384.0	595 556	47	X	P319.9	426 724
311611J151	Jellied goods and similar preparations (headcheese, meat loaves, scrapple, puddings, chili con carne, imitation sausage, etc.), made from animals slaughtered in this plant \$	9	X	D	D	14	X	20.6	19 716

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
311611	Animal slaughtering products, except poultry—Con.								
311611J	Sausages and similar products (not canned), made from animals slaughtered in this plant—Con.								
311611JY	Sausages and similar products (not canned), nsk	N	X	X	17 052	N	X	X	N
311611JYVW	Sausages and similar products (not canned), nsk	N	X	X	17 052	N	X	X	31 073
311611M	Canned meats (except dog, cat, and baby food), made from animals slaughtered in this plant	N	X	X	D	N	X	X	D
311611M1	Canned meats (except dog, cat, and baby food), made from animals slaughtered in this plant	N	X	X	D	N	X	X	N
311611M100	Canned meats (except dog, cat, and baby food), made from animals slaughtered in this plant \$	3	X	D	D	5	X	D	D
311611P	Hides, skins, and pelts	N	X	X	2 065 175	N	X	X	1 993 537
311611P1	Hides, skins, and pelts	N	X	X	2 053 379	N	X	X	N
311611P111	Cattle hides, skins, and pelts, including kip	85	X	35.8	1 957 886	100	X	P33.3	1 911 017
311611P121	Calf hides, skins, and pelts, except kip	16	X	S	33 954	14	X	.7	27 392
311611P131	Sheep and lamb hides, skins, and pelts	5	X	S	18 805	7	X	S	23 569
311611P141	Other hides, skins, and pelts, except kip	22	X	S	42 734	18	X	S	23 083
311611PY	Hides, skins, and pelts, nsk	N	X	X	11 796	N	X	X	N
311611PYVW	Hides, skins, and pelts, nsk	N	X	X	11 796	N	X	X	8 476
311611T	Miscellaneous byproducts of meat packing plants	N	X	X	769 884	N	X	X	N
311611T1	Miscellaneous byproducts of meat packing plants	N	X	X	713 013	N	X	X	N
311611T111	Other fresh and frozen meats, including horsemeat for human consumption, made from animals slaughtered in this plant	21	X	S	91 215	9	X	P63.5	104 649
311611T121	Pork rind pellets, including pork cracklings, made from animals slaughtered in this plant	4	X	X	2 307	2	X	X	1 143
311611T131	Edible tallow and stearin, made from animals slaughtered in this plant	9	X	1 547.8	352 304	13	X	P1 407.4	185 709
311611T141	Natural sausage casings (beef, hog, etc.), made from animals slaughtered in this plant	12	X	S	57 921	10	X	S	9 011
311611T151	Killing floor offal, scrap, and bones	66	X	X	165 704	72	X	X	207 525
311611T161	Other miscellaneous byproducts of meat packing plants, including pulled wool and glue stock (except sausage casings)	17	X	X	D	17	X	X	D
311611T171	Animals slaughtered for pet feed	1	X	D	D	N	X	N	N
311611TY	Miscellaneous byproducts of meat packing plants, nsk	N	X	X	56 871	N	X	X	N
311611TYVW	Miscellaneous byproducts of meat packing plants, nsk	N	X	X	56 871	N	X	X	N
311611W	Fresh and frozen meat from animals slaughtered in this plant, nsk, total	N	X	X	1 632 232	N	X	X	N
311611WY	Fresh and frozen meat from animals slaughtered in this plant, nsk, total	N	X	X	1 632 232	N	X	X	N
311611WYVW	Fresh and frozen meat from animals slaughtered in this plant, nsk, for nonadministrative-record establishments	N	X	X	726 597	N	X	X	N
311611WYVW	Fresh and frozen meat from animals slaughtered in this plant, nsk, for administrative-record establishments	N	X	X	905 635	N	X	X	N
311612	Meat processed from carcasses.....	N	X	X	21 786 024	N	X	X	N
3116121	Pork, processed or cured, including frozen, (not canned or made into sausage), not made in meat packing plants	N	X	X	4 865 074	N	X	X	N
31161211	Pork, processed or cured, including frozen, not canned or made into sausage, not made in meat packing plants	N	X	X	162 671	N	X	X	N
3116121111	Sweet-pickled or dry-cured pork (not smoked, cooked, canned, or made into sausage), not made in meat packing plants \$	39	X	71.4	151 439	17	X	89.1	140 123
3116121121	Dry salt pork, not canned or made into sausage, not made in meat packing plants \$	10	X	10.3	11 232	18	X	S	17 819

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
311612	Meat processed from carcasses—Con.								
3116121	Pork, processed or cured, including frozen, (not canned or made into sausage), not made in meat packing plants—Con.								
31161212	Smoked pork hams and picnics (not otherwise cooked), except canned, not made into sausage	N	X	X	2 060 022	N	X	X	N
3116121231	Smoked pork hams and picnics (not otherwise cooked), except canned, not made in meat packing plants \$ mil lb..	111	X	188.3	2 060 022	105	X	1 052.8	1 425 811
31161213	Smoked pork slab bacon (not otherwise cooked), except canned, not made in meat processing plants	N	X	X	59 100	N	X	X	N
3116121341	Smoked pork slab bacon (not otherwise cooked), except canned, not made in meat packing plants \$ mil lb..	36	X	43.9	59 100	26	X	24.5	20 670
31161214	Smoked pork sliced bacon (not otherwise cooked), except canned, not made in meat packing plants	N	X	X	1 590 589	N	X	X	N
3116121451	Smoked pork sliced bacon (not otherwise cooked), except canned, not made in meat packing plants \$ mil lb..	59	X	919.7	1 590 589	51	X	916.1	947 538
31161215	Other smoked pork (not otherwise cooked), not canned or made into sausage, not made in meat packing plants	N	X	X	120 526	N	X	X	N
3116121561	Other smoked pork (not otherwise cooked), not canned or made into sausage, not made in meat packing plants \$ mil lb..	49	X	77.2	120 526	48	X	144.7	138 188
31161216	Boiled ham, barbecue pork, and other cooked pork, including frozen, except canned meats and sausage, not made in meat packing plants	N	X	X	509 339	N	X	X	N
3116121671	Boiled ham, barbecue pork, and other cooked pork, except canned meats and sausage, not made in meat packing plants \$ mil lb..	51	X	231.0	509 339	47	X	415.6	627 160
31161217	Lard, except canned, not made in meat packing plants	N	X	X	43 305	N	X	X	N
3116121781	Lard, except canned, not made in meat packing plants mil lb..	11	X	173.5	43 305	N	X	N	N
3116121Y	Pork, processed or cured, including frozen, not canned or made into sausage, nsk	N	X	X	319 522	N	X	X	N
3116121YWV	Pork, processed or cured, including frozen, not canned or made into sausage, nsk	N	X	X	319 522	N	X	X	N
3116124	Sausage and similar products, (not canned), not made in meat packing plants	N	X	X	6 094 246	N	X	X	N
31161241	Fresh sausage (pork sausage, breakfast links, etc.), except canned, not made in meat packing plants	N	X	X	1 072 100	N	X	X	N
3116124111	Fresh sausage (pork sausage, breakfast links, etc.), except canned, not made in meat packing plants \$ mil lb..	140	X	624.5	1 072 100	129	X	557.6	839 795
31161242	Dry or semidry sausage and similar products (salami, cervelat, beef jerky, pepperoni, beef jerky, summer sausage, pork roll, etc.), except canned, not made in meat packing plants	N	X	X	1 146 064	N	X	X	N
3116124221	Dry or semidry (salami, cervelat, beef jerky, pepperoni, beef jerky, summer sausage, pork roll, etc.), not made in meat packing plants \$ mil lb..	73	X	576.2	1 146 064	92	X	X	944 348
31161243	Frankfurters, including wieners, except canned, not made in meat packing plants	N	X	X	1 454 813	N	X	X	N
3116124331	Frankfurters, including wieners, not made in meat packing plants \$ mil lb..	112	X	749.1	1 454 813	123	X	1 026.4	1 205 626
31161244	Other sausage, smoked or cooked, and jellied goods and similar preparations, not canned, not made in meat packing plants	N	X	X	2 417 789	N	X	X	N
3116124441	Other sausage, smoked or cooked (bologna, liverwurst, Polish sausage, packaged luncheon meats, minced roll, smoked pork sausage, etc.), not made in meat packing plants \$ mil lb..	175	X	546.9	2 363 431	194	X	1 784.0	2 287 726
3116124451	Jellied goods and similar preparations, (headcheese, meat loaves, scrapple, puddings, chili con carne, imitation sausage, etc.), not made in meat packing plants \$ mil lb..	39	X	34.0	54 358	39	X	50.2	60 667

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311612	Meat processed from carcasses—Con.								
3116124	Sausage and similar products, (not canned), not made in meat packing plants—Con.								
3116124Y	Sausage and similar products, not canned, nsk	N	X	X	3 480	N	X	X	N
3116124YWV	Sausage and similar products, not canned, nsk	N	X	X	3 480	N	X	X	N
3116127	Canned meats (except dog, cat, and baby food), containing 20 percent or more meat, not made in meat packing plants	N	X	X	1 142 179	N	X	X	903 701
31161271	Canned meats (except dog, cat, and baby food), containing 20 percent or more meat, not made in meat packing plants	N	X	X	1 142 179	N	X	X	N
3116127100	Canned meats (except dog, cat, and baby food), containing 20 percent or more meat, not made in meat packing plants \$..... mil lb..	26	X	S	1 142 179	32	X	S	903 701
311612A	Other processed, frozen, or cooked meats, not made in meat packing plants, nec	N	X	X	7 713 136	N	X	X	N
311612A1	Boxed meat (beef, pork, lamb, etc.) not made in slaughtering plants	N	X	X	1 463 427	N	X	X	N
311612A111	Boxed meat (beef, pork, lamb, etc.) not made in slaughtering plants	80	X	486.9	1 463 427	N	X	X	N
311612A2	Frozen ground meat patties (processed, frozen, or cooked), not made in meat packing plants	N	X	X	1 759 429	N	X	X	N
311612A221	Frozen ground meat patties (processed, frozen, or cooked), not made in meat packing plants	76	X	1 447.2	1 759 429	60	X	X	1 611 662
311612A3	Frozen portion control meats (processed, frozen, or cooked), not made in meat packing plants	N	X	X	1 060 563	N	X	X	N
311612A331	Frozen portion control meats (processed, frozen, or cooked), not made in meat packing plants	49	X	S	1 060 563	43	X	P644.5	1 034 947
311612A4	Other processed, frozen, or cooked meats, not made in meat packing plants	N	X	X	3 216 729	N	X	X	N
311612A441	Pork rind pellets, including pork cracklings (processed, frozen, or cooked), not made in meat packing plants	7	X	P123.7	120 206	5	X	D	D
311612A451	Other processed, frozen, or cooked meats, corned beef, frozen primal and fabricated cuts, frozen variety meats, etc., not made in meat packing plants	185	X	P1 502.6	2 970 019	152	X	1 960.8	2 838 929
311612A461	Collagen sausage casings (processed, frozen, or cooked), not made in meat packing plants	9	X	S	126 504	6	X	D	D
311612AY	Other processed, frozen, or cooked meats, nsk	N	X	X	212 988	N	X	X	N
311612AYWV	Other processed, frozen, or cooked meats, nsk	N	X	X	212 988	N	X	X	N
311612W	Meat processed from carcasses, nsk, total	N	X	X	1 971 389	N	X	X	N
311612WY	Meat processed from carcasses, nsk, total	N	X	X	1 971 389	N	X	X	N
311612WYWW	Meat processed from carcasses, nsk, for nonadministrative-record establishments	N	X	X	1 467 926	N	X	X	N
311612WYWY	Meat processed from carcasses, nsk, for administrative-record establishments	N	X	X	503 463	N	X	X	N
311613	Rendering or meat byproducts	N	X	X	3 820 977	N	X	X	N
3116131	Rendering and meat byproduct processing.....	N	X	X	1 207 143	N	X	X	975 143
31161311	Lard, except canned, not made in meat packing plants	N	X	X	1 139 823	N	X	X	N
3116131111	Lard, except canned, not made in meat packing plants	73	S	S	821 136	82	S	S	722 538
3116131121	Animal and marine grease, other than wool grease	48	S	S	318 687	46	S	S	217 711
3116131Y	Rendering and meat byproduct processing, nsk	N	X	X	67 320	N	X	X	N
3116131YWV	Rendering and meat byproduct processing, nsk	N	X	X	67 320	N	X	X	34 894

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311613	Rendering or meat byproducts—Con.								
3116134	Animal and marine feed and fertilizer byproducts	N	X	X	2 389 933	N	X	X	N
31161341	Animal and marine feed and fertilizer byproducts	N	X	X	1 095 610	N	X	X	N
3116134111	Animal and marine meat and bonemeal feed and fertilizer byproducts mil lb..	65	S	S	1 095 610	78	S	S	698 521
31161342	Other feed and fertilizer byproducts	N	X	X	1 044 289	N	X	X	N
3116134221	Animal and marine dry rendered tankage feed and fertilizer byproducts mil lb..	11	S	S	67 519	16	S	S	64 358
3116134231	Animal and marine feather meal feed and fertilizer byproducts mil lb..	21	S	S	157 593	23	659.5	653.4	69 372
3116134241	Other feed and fertilizer byproducts, including dried blood, poultry fat and byproducts, meal, and raw products for pet food mil lb..	54	S	S	767 444	73	S	S	521 263
3116134251	Animal oil mill products, including all other animal oils, except fatty acids..... mil lb..	3	X	D	D	8	X	S	45 171
3116134261	Foats, animal oil and acidulated soap stock.....	6	X	X	D	N	X	X	N
3116134Y	Animal and marine feed and fertilizer byproducts, nsk	N	X	X	250 034	N	X	X	N
3116134YVV	Animal and marine feed and fertilizer byproducts, nsk	N	X	X	250 034	N	X	X	N
311613W	Rendering and meat byproduct processing, nsk, total	N	X	X	223 901	N	X	X	N
311613WY	Rendering and meat byproduct processing, nsk, total	N	X	X	223 901	N	X	X	N
311613WYWW	Rendering and meat byproduct processing, nsk, for nonadministrative-record establishments.....	N	X	X	204 130	N	X	X	N
311613WYWY	Rendering and meat byproduct processing, nsk, for administrative-record establishments.....	N	X	X	19 771	N	X	X	N
311615	Poultry	N	X	X	31 241 473	N	X	X	N
3116151	Young chickens (usually under 20 weeks of age), whole or parts	N	X	X	16 780 364	N	X	X	12 642 275
31161511	Wet ice pack broilers and fryers (usually under 20 weeks of age), bulk.....	N	X	X	6 945 969	N	X	X	N
3116151111	Wet ice pack broilers and fryers (usually under 20 weeks of age), bulk..... mil lb..	63	X	P12 242.9	6 945 969	60	X	P10 932.3	5 333 490
31161512	Dry ice pack broilers and fryers (usually under 20 weeks of age), bulk.....	N	X	X	1 310 549	N	X	X	N
3116151221	Dry ice pack broilers and fryers (usually under 20 weeks of age), bulk..... mil lb..	22	X	P1 800.2	1 310 549	28	X	1 606.0	956 494
31161513	Tray pack (consumer packaged) broilers and fryers (usually under 20 weeks of age), chilled	N	X	X	4 029 625	N	X	X	N
3116151331	Tray pack (consumer packaged) broilers and fryers (usually under 20 weeks of age), chilled mil lb..	53	X	S	4 029 625	29	X	4 383.6	3 037 970
31161514	Other broilers and fryers (usually under 20 weeks of age), including frozen.....	N	X	X	3 449 136	N	X	X	N
3116151441	Other broilers and fryers (usually under 20 weeks of age), including frozen..... mil lb..	47	X	5 996.0	3 449 136	42	X	4 132.1	2 722 984
31161515	Roasters and capons (usually under 20 weeks of age), including frozen	N	X	X	778 339	N	X	X	N
3116151551	Roasters and capons (usually under 20 weeks of age), including frozen mil lb..	14	X	1 111.2	778 339	11	X	309.6	202 094
3116151Y	Young chickens (usually under 20 weeks of age) whole or parts, nsk	N	X	X	266 746	N	X	X	N
3116151YVV	Young chickens (usually under 20 weeks of age) whole or parts, nsk	N	X	X	266 746	N	X	X	389 243
3116154	Hens and-or fowl (including frozen), whole or parts.....	N	X	X	317 900	N	X	X	106 630
31161541	Hens and-or fowl (including frozen), whole or parts.....	N	X	X	316 925	N	X	X	N
3116154111	Egg producing hens and-or fowl (including frozen), whole or parts mil lb..	11	X	S	174 481	12	X	151.9	64 463
3116154121	Breeder hens and-or fowl (including frozen), whole or parts mil lb..	11	X	P244.5	142 444	13	X	109.8	41 805
3116154Y	Hens and-or fowl (including frozen whole or parts), nsk	N	X	X	975	N	X	X	N
3116154YVV	Hens and-or fowl (including frozen whole or parts), nsk	N	X	X	975	N	X	X	362

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NAICS product code	Product	1997				1992			
		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
311615	Poultry—Con.								
3116157	Turkeys (including frozen), whole or parts	N	X	X	3 794 162	N	X	X	2 881 071
31161571	Fryer-roaster turkeys (usually under 16 weeks of age), whole, including frozen	N	X	X	176 297	N	X	X	N
3116157111	Fryer-roaster turkeys (usually under 16 weeks of age), whole, including frozen	6	X	110.2	176 297	7	X	303.6	180 855
31161572	Young turkeys (mature) (usually 4 to 7 months of age), whole, including frozen	N	X	X	1 783 743	N	X	X	N
3116157221	Young turkeys (mature) (usually 4 to 7 months of age), whole, including frozen	28	X	P1 995.9	1 783 743	26	X	1 699.6	1 119 055
31161573	Old turkeys, whole, and turkey parts	N	X	X	1 828 487	N	X	X	N
3116157331	Old turkeys (breeders) (usually over 12 months of age), whole, including frozen	7	X	S	28 581	10	X	66.8	34 105
3116157341	Turkey parts, including ground turkey, turkey cutlets, etc. (including frozen)	26	X	P2 169.0	1 799 906	30	X	1 855.4	1 354 828
3116157Y	Turkeys (including frozen, whole or parts), nsk	N	X	X	5 635	N	X	X	N
3116157YWV	Turkeys (including frozen, whole or parts), nsk	N	X	X	5 635	N	X	X	192 228
311615A	Other poultry and small game (including frozen), whole or parts, nec	N	X	X	68 672	N	X	X	73 927
311615A1	Other poultry and small game (including frozen), whole or parts	N	X	X	68 391	N	X	X	N
311615A111	Ducks (including frozen), whole or parts	5	X	S	45 903	3	X	D	D
311615A121	Other poultry and small game (geese, rabbits, etc.) (including frozen, whole or parts)	6	X	X	22 488	5	X	X	D
311615AY	Other poultry and small game (including frozen), whole or parts, nsk	N	X	X	281	N	X	X	N
311615AYWV	Other poultry and small game (including frozen), whole or parts, nsk	N	X	X	281	N	X	X	—
311615D	Processed poultry and small game (except soups) containing 20 percent or more poultry or meat	N	X	X	9 148 518	N	X	X	6 020 127
311615D1	Processed poultry and small game (except soups) containing 20 percent or more poultry or meat	N	X	X	8 904 660	N	X	X	N
311615D111	Canned poultry	4	X	1 928.3	107 470	N	X	N	N
311615D121	Cooked or smoked turkey, including frozen (except frankfurters, hams, and luncheon meats), containing 20 percent or more poultry	56	X	848.8	1 403 084	63	X	870.7	1 362 976
311615D131	Cooked or smoked chicken, including frozen (except frankfurters, hams, and luncheon meats), containing 20 percent or more poultry	76	X	P2 960.3	4 165 768	58	X	1 578.8	2 493 767
311615D141	Cooked or smoked poultry frankfurters (including wieners), including frozen, containing 20 percent or more poultry	37	X	P670.3	481 935	34	X	324.1	236 634
311615D151	Cooked or smoked poultry hams and luncheon meats, including frozen, containing 20 percent or more poultry	49	X	Q1 001.8	1 745 885	48	X	657.0	946 823
311615D161	Other cooked or smoked poultry, including frozen, containing 20 percent or more poultry	7	X	X	237 105	7	X	X	111 537
311615D171	Other processed poultry and small game (dehydrated, raw-boned, etc.), including frozen, containing 20 percent or more poultry	24	X	X	763 413	32	X	X	646 954
311615DY	Processed poultry and small game (except soups) containing 20 percent or more poultry or meat, nsk	N	X	X	243 858	N	X	X	N
311615DYWV	Processed poultry and small game (except soups) containing 20 percent or more poultry or meat, nsk	N	X	X	243 858	N	X	X	109 733
311615W	Poultry processing, nsk, total	N	X	X	1 131 857	N	X	X	N
311615WY	Poultry processing, nsk, total	N	X	X	1 131 857	N	X	X	N
311615WYWV	Poultry processing, nsk, for nonadministrative-record establishments	N	X	X	1 094 674	N	X	X	N
311615WYWY	Poultry processing, nsk, for administrative-record establishments	N	X	X	37 183	N	X	X	N

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NAICS product code	Product	1997				1992			
		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
311711	Seafood canning products	N	X	X	1 044 636	N	X	X	N
3117110	Canned and cured fish and other seafoods, including soup (except frozen seafoods and soup)	N	X	X	1 044 636	N	X	X	N
31171101	Canned tuna (except soups, stews, and chowders)	N	X	X	D	N	X	X	N
3117110111	Canned tuna (except soups, stews, and chowders) mil lb..	3	X	D	D	4	X	73.5	163 875
31171102	Canned salmon (except soups, stews, and chowders)	N	X	X	239 488	N	X	X	N
3117110221	Canned salmon (except soups, stews, and chowders) mil lb..	19	X	188.4	239 488	15	X	163.2	352 337
31171103	Other canned fish and other seafood (except soups, stews, and chowders)	N	X	X	160 199	N	X	X	N
3117110331	Canned sardines (except soups, stews, and chowders) mil lb..	5	X	25.6	35 245	6	X	D	D
3117110341	Canned clams (except soups, stews, and chowders) mil lb..	10	X	58.7	79 978	9	X	73.6	87 618
3117110351	Canned shrimp (except soups, stews, and chowders) mil lb..	8	X	21.3	44 976	4	X	13.1	30 722
31171104	Other fish and marine animal oil products, canned	N	X	X	D	N	X	X	N
3117110461	Fish and marine animal oil, canned mil lb..	1	X	D	D	N	X	N	N
3117110471	Fish scrap and meal, canned mil lb..	6	X	63.5	16 605	N	X	N	N
3117110481	Other fish and marine animal oil products, canned mil lb..	—	X	—	—	N	X	N	N
31171105	Other canned fish and other seafood (including gefilte fish, fish roe, fishcakes, surimi-based products, etc., except soups, stews, and chowders)	N	X	X	98 869	N	X	X	N
3117110591	Other canned fish and other seafood (including gefilte fish, fish roe, fishcakes, surimi-based products, etc., except soups, stews, and chowders)	14	X	X	98 869	24	X	X	70 605
31171106	Canned seafood soups, stews, and chowders (clam chowder, oyster stew, turtle soup, etc.)	N	X	X	138 151	N	X	X	N
31171106A1	Canned seafood soups, stews, and chowders (clam chowder, oyster stew, turtle soup, etc.) mil lb..	13	X	140.8	138 151	13	X	301.9	148 855
31171107	Smoked, salted, pickled, and cured fish and seafood	N	X	X	185 679	N	X	X	N
31171107B1	Smoked salmon mil lb..	22	X	16.5	117 593	21	X	13.2	81 108
31171107C1	Other smoked fish (herring, whitefish, chub, cisco, etc.)	13	X	X	32 419	18	X	X	60 775
31171107D1	Salted and pickled fish (including sun-dried) mil lb..	9	X	14.3	20 179	8	X	16.2	31 288
31171107E1	Other cured seafood, except fish	6	X	X	15 488	6	X	X	D
3117110Y	Seafood canning, nsk, total	N	X	X	82 850	N	X	X	N
3117110YWW	Seafood canning, nsk, for nonadministrative-record establishments	N	X	X	35 838	N	X	X	N
3117110YWY	Seafood canning, nsk, for administrative-record establishments	N	X	X	47 012	N	X	X	N
311712	Fresh and frozen seafood	N	X	X	5 518 382	N	X	X	N
3117121	Prepared fresh fish and other fresh seafood	N	X	X	953 350	N	X	X	983 634
31171211	Prepared fresh fish and other fresh seafood	N	X	X	866 369	N	X	X	N
3117121111	Prepared fresh fish, ground fish (cod, cusk, haddock, etc.), fillets and steaks mil lb..	17	X	28.3	47 855	N	X	N	N
3117121121	Prepared fresh fish, ground fish (cod, cusk, haddock, etc.), other mil lb..	11	X	11.6	22 275	N	X	N	N
3117121131	Prepared fresh fish, flounder, halibut, and sole, fillets and steaks mil lb..	12	X	8.6	23 171	N	X	N	N
3117121141	Prepared fresh fish, flounder, halibut, and sole, other mil lb..	14	X	7.3	20 563	N	X	N	N
3117121151	Prepared fresh fish, Alaska pollock, fillets and steaks mil lb..	2	X	.4	614	N	X	N	N
3117121161	Prepared fresh fish, Alaska pollock, other mil lb..	—	X	—	—	N	X	N	N
3117121171	Prepared fresh fish, catfish, fillets and steaks mil lb..	11	X	78.8	142 804	N	X	N	N
3117121181	Prepared fresh fish, catfish, other mil lb..	5	X	13.3	22 112	N	X	N	N
3117121191	Prepared fresh fish, other fish, fillets and steaks mil lb..	14	X	20.2	70 996	N	X	N	N
31171211A1	Prepared fresh fish, other fish, other mil lb..	21	X	S	55 571	N	X	N	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
311712	Fresh and frozen seafood—Con.								
3117121	Prepared fresh fish and other fresh seafood—Con.								
31171211	Prepared fresh fish and other fresh seafood—Con.								
31171211B1	Prepared fresh blue crab meat	28	X	X	49 907	39	X	X	52 670
31171211C1	Prepared fresh rock crab meat	—	X	X	D	2	X	X	D
31171211D1	Prepared fresh snow crab meat	1	X	X	D	2	X	X	D
31171211E1	Other prepared fresh crab meat	7	X	X	13 216	9	X	X	13 951
31171211F1	Prepared fresh shrimp mil lb..	18	X	S	36 470	18	X	P21.9	87 134
31171211G1	Prepared fresh oysters	30	X	X	90 957	28	X	X	74 917
31171211H1	Prepared fresh clams	9	X	927.3	44 502	11	X	15.2	23 345
31171211J1	Other prepared fresh shellfish (except surimi and surimi-based products) mil lb..	15	X	11.6	47 346	16	X	20.4	49 791
31171211K1	Prepared fresh surimi, except surimi-based products mil lb..	4	X	D	D	3	X	19.9	28 858
31171211L1	Prepared fresh surimi-based products mil lb..	3	X	D	D	4	X	D	D
31171211M1	Other prepared fresh seafood (roe, squid, etc.)	33	X	X	92 301	31	X	X	139 377
3117121Y	Prepared fresh fish and other fresh seafood, nsk	N	X	X	86 981	N	X	X	N
3117121YV	Prepared fresh fish and other fresh seafood, nsk	N	X	X	86 981	N	X	X	25 810
3117122	Prepared frozen fish	N	X	X	1 807 733	N	X	X	2 732 415
31171221	Prepared frozen groundfish (cod, cusk, haddock, hake, perch, pollock, and whiting), fillets and steaks, breaded or battered	N	X	X	54 786	N	X	X	N
3117122111	Prepared frozen groundfish (cod, cusk, haddock, hake, perch, pollock, and whiting), fillets and steaks, breaded or battered mil lb..	8	X	31.9	54 786	13	X	281.1	439 960
31171222	Prepared frozen groundfish (cod, cusk, haddock, hake, perch, pollock, and whiting), plain fillets and steaks	N	X	X	90 392	N	X	X	N
3117122221	Prepared frozen groundfish (cod, cusk, haddock, hake, perch, pollock, and whiting), plain fillets and steaks mil lb..	18	X	46.9	90 392	26	X	71.5	146 735
31171223	Prepared frozen groundfish (cod, cusk, haddock, hake, perch, pollock, and whiting), sticks and portions, breaded or battered	N	X	X	266 134	N	X	X	N
3117122331	Prepared frozen groundfish (cod, cusk, haddock, hake, perch, pollock, and whiting), sticks and portions, breaded or battered mil lb..	8	X	171.0	266 134	15	X	395.5	579 295
31171224	Prepared frozen groundfish (cod, cusk, haddock, hake, perch, pollock, and whiting), plain sticks and portions	N	X	X	D	N	X	X	N
3117122441	Prepared frozen groundfish (cod, cusk, haddock, hake, perch, pollock, and whiting), plain sticks and portions mil lb..	3	X	D	D	6	X	14.0	23 930
31171225	Prepared frozen groundfish (cod, cusk, haddock, hake, perch, pollock, and whiting), other forms	N	X	X	143 359	N	X	X	N
3117122551	Prepared frozen groundfish (cod, cusk, haddock, hake, perch, pollock, and whiting), other forms mil lb..	25	X	70.4	143 359	29	X	61.5	89 094
31171226	Prepared frozen flounder, halibut, and sole, fillets and steaks, and other forms	N	X	X	142 975	N	X	X	N
3117122661	Prepared frozen flounder, halibut, and sole, fillets and steaks mil lb..	17	X	P12.6	31 932	19	X	18.2	50 727
3117122671	Prepared frozen flounder, halibut, and sole, other forms mil lb..	29	X	42.6	111 043	30	X	50.9	104 427
31171227	Prepared frozen fish, Alaska pollock, fillets and steaks, breaded or battered	N	X	X	275 337	N	X	X	N
3117122771	Prepared frozen fish, Alaska pollock, fillets and steaks, breaded or battered mil lb..	8	X	212.4	275 337	N	X	N	N
31171228	Prepared frozen fish, Alaska pollock, fillets and steaks, plain, and other forms	N	X	X	180 669	N	X	X	N
3117122881	Prepared frozen fish, Alaska pollock, fillets and steaks, plain mil lb..	12	X	28.4	45 276	N	X	N	N
3117122891	Prepared frozen fish, Alaska pollock, other forms mil lb..	13	X	72.0	135 393	N	X	N	N
31171229	Prepared frozen fish, catfish, fillets and steaks, breaded or battered	N	X	X	D	N	X	X	N
3117122991	Prepared frozen fish, catfish, fillets and steaks, breaded or battered mil lb..	5	X	D	D	N	X	N	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
311712	Fresh and frozen seafood—Con.								
3117122	Prepared frozen fish—Con.								
3117122A	Prepared frozen fish, catfish, fillets and steaks, plain or seasoned, and other forms	N	X	X	130 761	N	X	X	N
3117122AA1	Prepared frozen fish, catfish, fillets and steaks, plain or seasoned..... mil lb..	6	X	54.4	122 698	N	X	N	N
3117122AB1	Prepared frozen fish, catfish, other forms	3	X	4.8	8 063	N	X	N	N
3117122B	All other prepared frozen fish, fillets and steaks, breaded or battered	N	X	X	18 749	N	X	X	N
3117122BC1	All other prepared frozen fish, fillets and steaks, breaded or battered	7	X	9.5	18 749	N	X	N	N
3117122C	All other prepared frozen fish, fillets and steaks, plain, and other forms	N	X	X	338 010	N	X	X	N
3117122CD1	All other prepared frozen fish, fillets and steaks, plain	16	X	62.5	110 180	N	X	N	N
3117122CE1	All other prepared frozen fish, other forms	43	X	157.4	227 830	N	X	N	N
3117122Y	Prepared frozen fish, nsk	N	X	X	75 974	N	X	X	N
3117122YVW	Prepared frozen fish, nsk	N	X	X	75 974	N	X	X	31 884
3117123	Prepared frozen shellfish	N	X	X	1 461 943	N	X	X	1 549 788
31171231	Prepared frozen shrimp	N	X	X	861 808	N	X	X	N
3117123111	Prepared frozen headless shrimp, raw	24	X	34.0	148 493	24	X	37.5	142 305
3117123121	Prepared frozen peeled shrimp, raw	26	X	140.2	158 988	22	X	37.9	144 968
3117123131	Prepared frozen peeled shrimp, cooked	17	X	42.8	211 671	24	X	132.3	146 316
3117123141	Prepared frozen shrimp, breaded	14	X	107.4	342 656	24	X	112.7	414 609
31171232	All other prepared frozen shellfish	N	X	X	510 974	N	X	X	N
3117123251	Other 100 percent prepared frozen shrimp products	9	X	X	28 065	7	X	X	18 294
3117123261	Prepared frozen lobster tails	5	X	X	17 461	3	X	X	N
3117123271	Prepared frozen blue crab meat	12	X	X	16 935	13	X	X	22 076
3117123281	Prepared frozen rock crab meat	1	X	X	D	N	X	X	—
3117123291	Prepared frozen snow crab meat	4	X	X	34 384	6	X	X	61 264
31171232A1	Prepared frozen dungeness crab meat	8	X	X	22 018	10	X	X	13 893
31171232B1	Prepared frozen king crab meat, cooked	4	X	D	D	6	X	3.6	17 995
31171232C1	Prepared frozen king crab sections	9	X	37.0	127 923	12	X	18.0	76 959
31171232D1	Other prepared frozen crabs and parts of crabs	13	X	31.5	92 060	17	X	91.5	244 200
31171232E1	Other prepared frozen shellfish (including oysters, clams, and parts of lobsters except tails)	23	X	X	163 020	23	X	X	N
3117123Y	Prepared frozen shellfish, nsk	N	X	X	89 161	N	X	X	N
3117123YVW	Prepared frozen shellfish, nsk	N	X	X	89 161	N	X	X	30 084
3117124	Other prepared frozen seafoods, nec	N	X	X	657 271	N	X	X	N
31171241	Other prepared frozen seafoods	N	X	X	498 499	N	X	X	N
3117124111	Prepared frozen surimi, except surimi-based products	12	X	203.4	218 811	11	X	161.3	177 240
3117124121	Prepared frozen surimi-based products	11	X	103.0	137 093	7	X	71.7	121 158
3117124131	Other prepared frozen seafoods (soups, stews, chowders, pies, fishcakes, crabcakes, shrimp cakes, etc.), except surimi	31	X	174.3	142 595	30	X	109.2	236 430
31171242	Other fish and marine animal oil products, fresh or frozen	N	X	X	156 938	N	X	X	N
3117124211	Fish and marine animal oil, fresh or frozen	2	X	D	D	N	X	N	N
3117124221	Fish scrap and meal, fresh or frozen	13	X	255.8	112 907	N	X	N	N
3117124231	Other fish and marine animal oil products, fresh or frozen	2	X	D	D	N	X	N	N
31171243	Foats, marine oil (fish, etc.)	N	X	X	—	N	X	X	N
3117124311	Foats, marine oil (fish, etc.)	—	X	X	—	N	X	X	N
3117124Y	Other prepared frozen seafoods, nsk	N	X	X	1 834	N	X	X	N
3117124YVW	Other prepared frozen seafoods, nsk	N	X	X	1 834	N	X	X	N
311712W	Fresh and frozen seafood processing, nsk, total	N	X	X	638 085	N	X	X	N
311712WY	Fresh and frozen seafood processing, nsk, total	N	X	X	638 085	N	X	X	N
311712WYVW	Fresh and frozen seafood processing, nsk, for nonadministrative-record establishments	N	X	X	402 434	N	X	X	N
311712WYVY	Fresh and frozen seafood processing, nsk, for administrative-record establishments	N	X	X	235 651	N	X	X	N

Table 1. Products Statistics: 1997 and 1992—Con.

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NAICS product code	Product	1997				1992			
		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
311811	Retail bakery products	N	X	X	1 913 718	N	X	X	N
3118110	Retail bakery products	N	X	X	1 913 718	N	X	X	N
31181101	Retail bakery products	N	X	X	919 220	N	X	X	N
3118110111	Breads and rolls (excluding bagels)	673	X	X	289 598	N	X	X	N
3118110121	Bagels	51	X	X	18 684	N	X	X	N
3118110131	Cakes	648	X	X	231 852	N	X	X	N
3118110141	Cookies	244	X	X	113 252	N	X	X	N
3118110151	Doughnuts	163	X	X	51 726	N	X	X	N
3118110161	Pies	102	X	X	46 024	N	X	X	N
31181101V1	Other sweet goods (sweet rolls, coffeeecake, pastries, danishes, muffins, etc.)	434	X	X	168 084	N	X	X	N
3118110Y	Retail bakeries, nsk, total	N	X	X	994 498	N	X	X	N
3118110YWW	Retail bakeries, nsk, for nonadministrative-record establishments	N	X	X	561 374	N	X	X	N
3118110YWY	Retail bakeries, nsk, for administrative-record establishments	N	X	X	433 124	N	X	X	N
311812	Commercial bakery products	N	X	X	18 524 712	N	X	X	N
3118121	Bread (white, wheat, and rye, etc.), including frozen	N	X	X	7 176 712	N	X	X	N
31181211	White pan bread	N	X	X	3 586 903	N	X	X	N
3118121111	White pan bread, except frozen	151	X	5 609.4	3 480 995	129	X	95 790.7	2 886 581
311812121	Frozen white pan bread	17	X	P273.4	105 908	7	X	921.1	6 472
31181212	White hearth bread (including french, italian, etc.)	N	X	X	1 275 686	N	X	X	N
3118121231	White hearth bread, except frozen (including french, italian, etc.)	201	X	91 184.4	967 567	165	X	91 421.3	801 675
3118121241	Frozen white hearth bread (including french, italian, etc.)	50	X	403.1	308 119	40	X	9348.2	171 289
31181213	Whole wheat, cracked wheat, multigrain, and other dark wheat breads	N	X	X	1 312 829	N	X	X	N
3118121351	Whole wheat, cracked wheat, multigrain, and other dark wheat breads, except frozen	141	X	P1 581.7	1 268 830	126	X	2 207.6	1 264 096
3118121361	Frozen whole wheat, cracked wheat, multigrain, and other dark wheat breads	19	X	P63.9	43 999	14	X	82.9	48 069
31181214	Other variety breads (rye, unleavened, raisin, potato, self-rising, salt-free, canned, etc.)	N	X	X	867 073	N	X	X	N
3118121471	Rye bread (including pumpernickel), except frozen	99	X	P385.1	307 850	88	X	361.4	264 114
3118121481	Frozen rye bread (including pumpernickel)	15	X	D	D	8	X	13.6	6 770
3118121491	Unleavened bread, except frozen	—	X	D	D	N	X	N	N
31181214A1	Frozen unleavened bread	—	X	—	—	N	X	N	N
31181214G1	Other variety breads (raisin, potato, self-rising, salt-free, canned, etc.), except frozen	136	X	P497.9	467 008	103	X	609.4	419 828
31181214J1	Other frozen variety breads (raisin, potato, self-rising, salt-free, canned, etc.)	38	X	9124.0	76 198	17	X	42.5	27 185
3118121Y	Bread: white, wheat, rye, etc. (including frozen), nsk, total	N	X	X	134 221	N	X	X	N
3118121YVV	Bread: white, wheat, rye, etc. (including frozen), nsk	N	X	X	134 221	N	X	X	N
3118124	Rolls (bread-type), muffins, bagels, and croissants	N	X	X	5 258 028	N	X	X	4 036 971
31181241	Hamburger and wiener rolls	N	X	X	2 391 312	N	X	X	N
3118124111	Hamburger and wiener rolls, except frozen	141	X	3 398.8	2 279 786	120	X	93 147.6	1 910 905
3118124121	Frozen hamburger and wiener rolls	24	X	9195.7	111 526	14	X	202.7	79 229
31181242	All other rolls (bread-type), including muffins, bagels, and croissants	N	X	X	2 813 006	N	X	X	N
3118124231	Brown-and-serve rolls, except frozen	75	X	P319.9	258 764	49	X	317.8	205 978
3118124241	Frozen brown-and-serve rolls	14	X	915.8	13 922	4	X	7.1	4 799
3118124251	English muffins, except frozen	36	X	365.9	412 587	31	X	365.9	360 486
3118124261	Frozen english muffins	5	X	P31.9	20 213	5	X	15.6	9 700
3118124271	Hearth rolls, except frozen	104	X	9280.8	261 202	83	X	9257.3	195 818
3118124281	Frozen hearth rolls	23	X	962.0	55 048	12	X	S	20 523
3118124291	Bagels, except frozen	97	X	P290.6	241 342	47	X	P109.2	87 790
31181242A1	Frozen bagels	38	X	818.0	611 887	22	X	347.4	267 039
31181242B1	Croissants, except frozen	40	X	P20.8	45 162	28	X	99.2	17 406
31181242C1	Frozen croissants	29	X	P86.1	123 137	25	X	P121.4	141 958
31181242D1	Other bread-type rolls (kaiser except hearth-type, parkerhouse, etc.), except frozen	110	X	9388.8	369 185	98	X	9467.3	326 032
31181242E1	Other frozen bread-type rolls (kaiser except hearth-type, parkerhouse, etc.)	23	X	P191.6	101 209	13	X	9103.5	55 782
31181242F1	Bread stuffing, croutons, and bread crumbs (plain and seasoned)	36	X	P589.4	299 348	29	X	P565.2	326 771

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
311812	Commercial bakery products—Con.								
3118124	Rolls (bread-type), muffins, bagels, and croissants—Con.								
3118124Y	Rolls (bread-type), muffins, bagels, and croissants, nsk, total	N	X	X	53 710	N	X	X	N
3118124YVW	Rolls (bread-type), muffins, bagels, and croissants, nsk	N	X	X	53 710	N	X	X	26 103
3118127	Soft cakes, except frozen	N	X	X	2 270 619	N	X	X	1 888 228
31181271	Soft cakes, except frozen	N	X	X	2 261 004	N	X	X	N
3118127111	Snack cakes, except frozen	52	X	1 522.2	1 732 094	52	X	1 267.8	1 436 949
3118127121	Fruit cakes, holiday-type, except frozen	26	X	P60.0	139 878	24	X	S	70 143
3118127131	All other soft cakes, except frozen (including pound, layer, sheet, cheese, etc.)	130	X	P223.5	389 032	103	X	P221.2	367 302
3118127Y	Soft cakes, except frozen, nsk, total	N	X	X	9 615	N	X	X	N
3118127YVW	Soft cakes, except frozen, nsk	N	X	X	9 615	N	X	X	13 834
311812A	Pies (fruit, cream, and custard), except frozen	N	X	X	544 407	N	X	X	415 243
311812A1	Pies (fruit, cream, and custard), except frozen	N	X	X	531 971	N	X	X	N
311812A111	Snack pies (fruit, cream, and custard), except frozen	24	X	Q232.1	313 234	27	X	P178.2	248 259
311812A121	All other pies (fruit, cream, and custard types, etc.), except frozen	67	X	116.4	218 737	57	X	P94.5	165 056
311812AY	Pies (fruit, cream, and custard), except frozen, nsk, total	N	X	X	12 436	N	X	X	N
311812AYVW	Pies (fruit, cream, and custard), except frozen, nsk	N	X	X	12 436	N	X	X	1 928
311812D	Other sweet goods, except frozen, nec	N	X	X	2 046 923	N	X	X	N
311812D1	Other sweet goods, except frozen	N	X	X	2 020 919	N	X	X	N
311812D111	Yeast-raised doughnuts, except frozen	86	X	228.8	308 632	74	X	Q195.7	159 055
311812D131	Cake-type doughnuts, except frozen	85	X	P415.5	578 508	81	X	Q363.5	498 359
311812D151	Pastries, except frozen (including cream puffs, eclairs, lady fingers, french pastry, puff pastry)	87	X	P148.9	265 987	71	X	P76.3	144 891
311812D181	All other sweet goods containing yeast, except frozen (including sweet rolls and coffee cake)	81	X	P454.5	563 879	N	X	N	N
311812D191	All other sweet goods not containing yeast, except frozen (including danishes and muffins)	84	X	P226.1	303 913	N	X	N	N
311812DY	Other sweet goods, except frozen, nsk, total	N	X	X	26 004	N	X	X	N
311812DYVW	Other sweet goods, except frozen, nsk	N	X	X	26 004	N	X	X	12 527
311812W	Commercial bakeries, nsk, total	N	X	X	1 228 023	N	X	X	N
311812WY	Commercial bakeries, nsk, total	N	X	X	1 228 023	N	X	X	N
311812WYVW	Commercial bakeries, nsk, for nonadministrative-record establishments	N	X	X	579 988	N	X	X	N
311812WYVY	Commercial bakeries, nsk, for administrative-record establishments	N	X	X	648 035	N	X	X	N
311813	Frozen bakery products.....	N	X	X	2 600 710	N	X	X	1 863 953
3118130	Frozen bakery products	N	X	X	2 600 710	N	X	X	1 863 953
31181301	Frozen soft cakes (including pound, layer, sheet, cheese, etc.)	N	X	X	648 833	N	X	X	N
3118130111	Frozen soft cakes (including pound, layer, sheet, cheese, etc.)	79	X	Q430.7	648 833	70	X	S	435 431
31181302	Frozen pies	N	X	X	836 301	N	X	X	N
3118130221	Frozen pies	46	X	P801.0	836 301	34	X	642.8	697 380
31181303	All other frozen bakery products	N	X	X	999 781	N	X	X	N
3118130331	Frozen yeast-raised doughnuts	19	X	130.0	76 921	13	X	88.6	57 109
3118130341	Frozen cake-type doughnuts	19	X	58.9	57 748	16	X	P78.4	66 113
3118130351	Frozen pastries (including cream puffs, eclairs, lady fingers, french pastry, puff pastry, etc)	38	X	P151.0	191 133	27	X	P163.0	178 258
3118130361	All other frozen sweet goods containing yeast (including sweet rolls and coffee cake)	31	X	Q90.5	98 690	N	X	X	N
3118130371	All other frozen sweet goods not containing yeast (including danishes and muffins)	33	X	P180.7	186 262	N	X	X	N
3118130391	Frozen cookie and cracker products	14	X	64.4	26 194	N	X	X	N
31181303V1	All other frozen bakery products	48	X	X	362 833	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
311813	Frozen bakery products—Con.								
3118130	Frozen bakery products—Con.								
3118130Y	Frozen bakery product manufacturing, nsk, total	N	X	X	115 795	N	X	X	N
3118130YWW	Frozen bakery product manufacturing, nsk, for nonadministrative-record establishments	N	X	X	80 785	N	X	X	34 584
3118130YWY	Frozen bakery product manufacturing, nsk, for administrative-record establishments	N	X	X	35 010	N	X	X	19 783
311821	Cookies and crackers	N	X	X	8 322 533	N	X	X	N
3118211	Crackers, soft pretzels, biscuits, and related products	N	X	X	3 549 350	N	X	X	N
31182111	Saltine crackers	N	X	X	536 330	N	X	X	N
3118211111	Saltine crackers	11	X	15.9	536 330	14	X	556.0	581 293
31182112	Cracker sandwiches made from crackers produced in this plant	N	X	X	443 214	N	X	X	N
3118211221	Cracker sandwiches made from crackers produced in this plant	6	X	284.4	443 214	8	X	256.2	405 712
31182113	All other crackers, soft pretzels, biscuits, and related products	N	X	X	2 445 769	N	X	X	N
3118211331	Graham crackers	13	X	253.2	302 812	12	X	180.3	183 883
3118211341	Cracker meal and crumbs	12	X	S	104 402	10	X	S	29 936
3118211351	Soft pretzels	9	X	D	D	N	X	N	N
3118211391	Other crackers and related products (sponge, sprayed, low-sugar biscuits, melba toast, unsalted soda crackers, taco shells, etc.)	44	X	1 084.4	1 976 472	N	X	N	N
3118211Y	Crackers, soft pretzels, biscuits, and related products, nsk	N	X	X	124 037	N	X	X	N
3118211YVV	Crackers, soft pretzels, biscuits, and related products, nsk	N	X	X	124 037	N	X	X	N
3118214	Cookies, wafers, and ice cream cones and cups (except frozen)	N	X	X	4 610 958	N	X	X	4 168 864
31182141	Sandwich cookies (except frozen), made from cookies made in this plant	N	X	X	773 250	N	X	X	N
3118214111	Sandwich cookies (except frozen), made from cookies made in this plant	32	X	691.4	773 250	24	X	733.5	820 829
31182142	Chocolate chip cookies (except frozen)	N	X	X	821 569	N	X	X	N
3118214221	Chocolate chip cookies (except frozen)	95	X	493.6	821 569	61	X	406.0	644 909
31182143	All other cookies, wafers, and ice cream cones and cups (except frozen)	N	X	X	2 969 675	N	X	X	N
3118214331	Marshmallow cookies (except frozen)	11	X	45.0	60 278	7	X	21.4	38 673
3118214341	Creme-filled cookies (except frozen)	25	X	184.1	277 399	12	X	130.5	123 299
3118214351	Oatmeal cookies (except frozen)	72	X	160.5	226 206	43	X	145.9	200 176
3118214361	Other cookies and wafers (except frozen), excluding wafers for making ice cream sandwiches	142	X	305.5	1 871 690	129	X	565.1	1 886 300
3118214371	Toaster pastries (except frozen)	8	X	356.8	301 909	5	X	264.6	238 168
3118214381	Wafers for making ice cream sandwiches (except frozen)	5	X	D	D	4	X	D	D
3118214391	Ice cream cones and cups (except frozen)	9	X	3 855.5	132 673	10	X	4 042.5	138 722
3118214Y	Cookies, wafers, and ice cream cones and cups (except frozen), nsk	N	X	X	46 464	N	X	X	N
3118214YVV	Cookies, wafers, and ice cream cones and cups (except frozen), nsk	N	X	X	46 464	N	X	X	D
311821W	Cookie and cracker manufacturing, nsk, total	N	X	X	162 225	N	X	X	N
311821WY	Cookie and cracker manufacturing, nsk, total	N	X	X	162 225	N	X	X	N
311821WYWW	Cookie and cracker manufacturing, nsk, for nonadministrative-record establishments	N	X	X	112 567	N	X	X	N
311821WYWY	Cookie and cracker manufacturing, nsk, for administrative-record establishments	N	X	X	49 658	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
311822	Flour mixes and dough made from purchased flour	N	X	X	5 018 526	N	X	X	3 898 352
3118220	Flour mixes and refrigerated and frozen doughs and batters not made in flour mills	N	X	X	5 018 526	N	X	X	3 898 352
31182201	Cake mixes, including gingerbread, not made in flour mills	N	X	X	808 694	N	X	X	N
3118220121	Cake mixes, including gingerbread, not made in flour mills \$ 1,000 sacks (cwt) ..	26	X	7 316.3	808 694	20	X	7 655.0	629 670
31182202	Flour mixes (not including cake mixes) and refrigerated and frozen dough and batters not made in flour mills	N	X	X	4 049 072	N	X	X	N
3118220211	Pancake and waffle mixes not made in flour mills \$ 1,000 sacks (cwt) ..	19	X	S	162 024	18	X	3 049.2	166 022
3118220231	Biscuit mixes not made in flour mills \$ 1,000 sacks (cwt) ..	14	X	S	72 019	13	X	4 093.9	137 187
3118220241	Other prepared flour mixes (including cookie mixes, piecrust mixes, doughnut mixes, and other sweet yeast goods mixes) not made in flour mills \$ 1,000 sacks (cwt) ..	43	X	S	833 994	N	X	N	N
3118220251	Bread and bread-type roll mixes not made in flour mills \$ 1,000 sacks (cwt) ..	22	X	S	262 730	18	X	3 522.9	128 730
3118220261	Refrigerated doughs and batters (cookie, biscuit, bread and bread-type roll, pasta, pizza, coffeeecake, pancake, etc.) not made in flour mills \$ mil lb. ..	25	X	P1 350.8	996 826	N	X	N	N
3118220271	Frozen doughs and batters (cookie, biscuit, bread and bread-type roll, pasta, pizza, coffeeecake, pancake, etc.) not made in flour mills \$ mil lb. ..	89	X	P2 277.1	1 721 479	N	X	N	N
3118220Y	Prepared flour mixes and doughs, nsk, total	N	X	X	160 760	N	X	X	N
3118220YWW	Prepared flour mixes and doughs, nsk, for nonadministrative-record establishments	N	X	X	74 151	N	X	X	82 248
3118220YWY	Prepared flour mixes and doughs, nsk, for administrative-record establishments	N	X	X	86 609	N	X	X	18 198
311823	Pasta	N	X	X	1 627 289	N	X	X	1 279 955
3118230	Macaroni, spaghetti, and egg noodle products (except canned and frozen)	N	X	X	1 627 289	N	X	X	1 279 955
31182301	Dry macaroni, spaghetti, vermicelli, and other pasta products, except noodles (water content less than 14 percent)	N	X	X	1 234 393	N	X	X	N
3118230111	Dry macaroni, spaghetti, vermicelli, and other pasta products, except noodles (water content less than 14 percent) mil lb. ..	29	X	2 099.6	1 234 393	34	X	2 027.0	996 373
31182302	Wet macaroni, spaghetti, vermicelli, and other pasta products, except noodles (water content 14 percent or more) except refrigerated	N	X	X	D	N	X	X	N
3118230221	Wet macaroni, spaghetti, vermicelli, and other pasta products, except noodles (water content 14 percent or more) except refrigerated mil lb. ..	1	X	D	D	N	X	N	N
31182303	Refrigerated macaroni, spaghetti, vermicelli, and other pasta products, except noodles	N	X	X	D	N	X	X	N
3118230331	Refrigerated macaroni, spaghetti, vermicelli, and other pasta products, except noodles mil lb. ..	11	X	D	D	5	X	D	D
31182304	Noodle products of all shapes, sizes, and types, except Chinese noodles, dry, wet, and refrigerated, and refrigerated macaroni, spaghetti, vermicelli, and other pasta products	N	X	X	148 426	N	X	X	N
3118230441	Dry noodle products of all shapes, sizes, and types, except Chinese noodles (water content less than 14 percent) mil lb. ..	19	X	193.3	136 285	15	X	260.3	165 701
3118230451	Wet noodle products of all shapes, sizes, and types, except Chinese noodles (water content 14 percent or more), except refrigerated mil lb. ..	—	X	—	—	2	X	D	D
3118230461	Refrigerated noodle products of all shapes, sizes, and types, except Chinese noodles mil lb. ..	9	X	S	12 141	2	X	D	D
3118230Y	Other pasta manufacturing, nsk, total	N	X	X	163 909	N	X	X	N
3118230YWW	Other pasta manufacturing, nsk, for nonadministrative-record establishments	N	X	X	42 029	N	X	X	N
3118230YWY	Other pasta manufacturing, nsk, for administrative-record establishments	N	X	X	121 880	N	X	X	38 284

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
311830	Tortillas sold in bulk or packages, not frozen or canned	N	X	X	961 273	N	X	X	N
3118300	Tortillas sold in bulk or packages, not frozen or canned	N	X	X	961 273	N	X	X	N
31183001	Tortillas sold in bulk or packages, not frozen or canned	N	X	X	926 182	N	X	X	N
3118300100	Tortillas sold in bulk or packages, not frozen or canned	141	X	X	926 182	105	X	X	639 338
3118300Y	Tortillas sold in bulk or packages, not frozen or canned, nsk	N	X	X	35 091	N	X	X	N
3118300YWW	Tortillas sold in bulk or packages, not frozen or canned, nsk, for nonadministrative-record establishments	N	X	X	—	N	X	X	N
3118300YWY	Tortillas sold in bulk or packages, not frozen or canned, nsk, for administrative-record establishments	N	X	X	35 091	N	X	X	N
311911	Roasted nuts or seeds and peanut butter	N	X	X	3 814 733	N	X	X	N
3119111	Nuts and seeds (salted, roasted, cooked, or blanched)	N	X	X	2 814 998	N	X	X	N
31191111	Nuts (salted, roasted, cooked, or blanched), sold in bulk	N	X	X	1 394 156	N	X	X	N
3119111111	Peanuts (salted, roasted, cooked, or blanched), shipped separately, sold in bulk	23	X	P472.2	383 518	32	X	567.9	367 157
3119111121	Mixed nuts (salted, roasted, cooked, or blanched), including 4 varieties or more, sold in bulk	18	X	S	40 558	15	X	S	17 437
3119111131	Other nuts (salted, roasted, cooked, or blanched), shipped separately or with 3 varieties or less, sold in bulk	31	X	440.9	970 080	34	X	9227.9	446 982
31191112	Canned nuts (salted, roasted, cooked, or blanched)	N	X	X	661 342	N	X	X	N
3119111241	Canned peanuts (salted, roasted, cooked, or blanched), shipped separately	15	X	S	149 956	18	X	165.3	278 273
3119111251	Canned mixed nuts (salted, roasted, cooked, or blanched), including 4 varieties or more	14	X	958.3	204 853	18	X	957.6	147 258
3119111261	Other canned nuts (salted, roasted, cooked, or blanched), canned separately or with 3 varieties or less	16	X	P98.1	306 533	20	X	956.8	176 116
31191113	All other packaged nuts, and all seeds (salted, roasted, cooked, or blanched)	N	X	X	759 500	N	X	X	N
3119111371	Other packaged peanuts (salted, roasted, cooked, or blanched), shipped separately	21	X	P129.0	167 022	27	X	P122.6	203 149
3119111381	Other packaged mixed nuts (salted, roasted, cooked, or blanched), including 4 varieties or more	20	X	913.0	44 468	26	X	32.6	70 782
3119111391	Other packaged nuts (salted, roasted, cooked, or blanched), packaged separately or with 3 varieties or less	40	X	P127.4	357 423	42	X	P385.7	797 911
31191113A1	Seeds (sunflower, pumpkin, etc.) (salted, roasted, cooked, or blanched)	23	X	357.9	190 587	23	X	140.9	121 572
3119111Y	Nuts and seeds (salted, roasted, cooked, or blanched), nsk, total	N	X	X	—	N	X	X	N
3119111YWW	Nuts and seeds (salted, roasted, cooked, or blanched), nsk	N	X	X	—	N	X	X	N
3119114	Peanut butter	N	X	X	847 176	N	X	X	1 269 720
31191141	Peanut butter	N	X	X	841 444	N	X	X	N
3119114111	Peanut butter in consumer sizes	16	X	9562.2	742 419	25	X	838.2	1 160 540
3119114121	Peanut butter in commercial sizes and bulk	15	X	P106.2	99 025	17	X	116.6	104 606
3119114Y	Peanut butter, nsk	N	X	X	5 732	N	X	X	N
3119114YWW	Peanut butter, nsk	N	X	X	5 732	N	X	X	4 574
311911W	Roasted nuts (or seeds) and peanut butter, nsk, total	N	X	X	152 559	N	X	X	N
311911WY	Roasted nuts (or seeds) and peanut butter manufacturing, nsk, total	N	X	X	152 559	N	X	X	N
311911WYWW	Roasted nuts (or seeds) and peanut butter manufacturing, nsk, for nonadministrative-record establishments	N	X	X	97 831	N	X	X	N
311911WYWY	Roasted nuts (or seeds) and peanut butter manufacturing, nsk, for administrative-record establishments	N	X	X	54 728	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
311919	Other snack foods	N	X	X	9 813 788	N	X	X	N
3119191	Potato chips and sticks, plain and flavored	N	X	X	4 036 503	N	X	X	3 263 209
31191911	Potato chips and sticks, plain and flavored	N	X	X	4 036 503	N	X	X	N
3119191100	Potato chips and sticks, plain and flavored mil lb..	67	X	1 659.3	4 036 503	70	X	1 542.9	3 263 209
3119194	Corn chips and related products	N	X	X	4 428 299	N	X	X	3 010 688
31191941	Tortilla chips	N	X	X	2 999 126	N	X	X	N
3119194111	Tortilla chips mil lb..	85	X	1 454.3	2 999 126	N	X	N	N
31191942	Other chips	N	X	X	1 010 173	N	X	X	N
3119194221	Other chips mil lb..	35	X	401.2	1 010 173	N	X	N	N
31191943	Corn curls and related products	N	X	X	404 863	N	X	X	N
3119194331	Corn curls and related products mil lb..	32	X	224.9	404 863	47	X	370.9	715 856
3119194Y	Corn chips and related products, nsk.....	N	X	X	14 137	N	X	X	N
3119194YWV	Corn chips and related products, nsk	N	X	X	14 137	N	X	X	1 539
3119197	Other chips, sticks (hard pretzels, bacon rinds, popcorn (except candied), etc.), excluding crackers, soft pretzels, and nuts	N	X	X	1 166 889	N	X	X	N
31191971	Hard pretzels	N	X	X	652 680	N	X	X	N
3119197111	Hard pretzels mil lb..	38	X	585.3	652 680	N	X	N	N
31191972	Other chips, sticks etc (bacon rinds, popcorn (except candied), etc.), excluding crackers, soft pretzels, and nuts	N	X	X	514 209	N	X	X	N
3119197221	Other chips, sticks etc (bacon rinds, popcorn (except candied), etc.), excluding crackers, soft pretzels, and nuts mil lb..	66	X	222.5	514 209	N	X	N	N
3119197Y	Other chips, sticks etc (hard pretzels, bacon rinds, popcorn (except candied), etc.), excluding crackers, soft pretzels, and nuts, nsk	N	X	X	—	N	X	X	N
3119197YWV	Other chips, sticks etc (hard pretzels, bacon rinds, popcorn (except candied), etc.), excluding crackers, soft pretzels, and nuts	N	X	X	—	N	X	X	N
311919W	Other snack foods, nsk, total	N	X	X	182 097	N	X	X	N
311919WY	Other snack food manufacturing, nsk, total	N	X	X	182 097	N	X	X	N
311919WYWV	Other snack food manufacturing, nsk, for nonadministrative-record establishments	N	X	X	28 010	N	X	X	N
311919WYWY	Other snack food manufacturing, nsk, for administrative-record establishments	N	X	X	154 087	N	X	X	N
311920	Coffee and tea products	N	X	X	7 287 191	N	X	X	N
3119201	Roasted coffee	N	X	X	5 564 573	N	X	X	3 763 364
31192011	Whole bean roasted coffee	N	X	X	825 080	N	X	X	N
3119201111	Whole bean roasted coffee mil lb..	62	X	227.1	825 080	45	X	208.1	470 405
31192012	Ground roasted coffee (including extended yield)	N	X	X	4 492 316	N	X	X	N
3119201211	Ground roasted coffee (including extended yield) mil lb..	65	X	1 738.8	4 492 316	61	X	1 447.0	3 270 252
31192013	Ground roasted coffee mixtures (with grain, chicory, etc.)	N	X	X	34 204	N	X	X	N
3119201331	Ground roasted coffee mixtures (with grain, chicory, etc.) mil lb..	6	X	9.3	34 204	4	X	6.5	13 882
3119201Y	Roasted coffee, nsk	N	X	X	212 973	N	X	X	N
3119201YWV	Roasted coffee, nsk	N	X	X	212 973	N	X	X	8 825
3119204	Coffee, concentrated (freeze-dried, spray-dried, frozen, or liquid concentrates or extracts, mixtures, etc.)	N	X	X	803 125	N	X	X	N
31192041	Coffee, concentrated (freeze-dried, spray-dried, frozen, or liquid concentrated or extracts, mixtures, etc.)	N	X	X	767 498	N	X	X	N
3119204111	Coffee, concentrated (freeze-dried, spray-dried, frozen, or liquid concentrated, mixtures, etc.) mil lb..	15	X	D	D	N	X	X	N
3119204121	Coffee substitutes made from grain mil lb..	1	X	D	D	N	X	X	N
3119204Y	Coffee, concentrated (freeze-dried, spray-dried, frozen, or liquid concentrated, mixtures, etc.), nsk	N	X	X	35 627	N	X	X	N
3119204YWV	Coffee, concentrated (freeze-dried, spray-dried, frozen, or liquid concentrated, mixtures, etc.), nsk	N	X	X	35 627	N	X	X	N

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311920	Coffee and tea products—Con.								
3119207	Tea in consumer packages	N	X	X	779 886	N	X	X	1 106 129
31192071	Tea in consumer packages, packed in tea bags	N	X	X	589 685	N	X	X	N
3119207111	Tea in consumer packages, packed in tea bags mil lb..	33	X	P119.8	589 685	31	X	150.7	732 118
31192072	Other tea in consumer packages	N	X	X	186 779	N	X	X	N
3119207221	Instant soluble tea, with or without added flavoring and/or sweetener mil lb..	8	X	95.9	168 330	9	X	175.4	348 711
3119207231	Other tea in consumer packages mil lb..	9	X	5.5	18 449	11	X	P13.2	21 551
3119207Y	Tea in consumer packages, nsk	N	X	X	3 422	N	X	X	N
3119207YVW	Tea in consumer packages, nsk	N	X	X	3 422	N	X	X	3 749
311920W	Coffee and tea, nsk, total	N	X	X	139 607	N	X	X	N
311920WY	Coffee and tea manufacturing, nsk, total	N	X	X	139 607	N	X	X	N
311920WYWW	Coffee and tea manufacturing, nsk, for nonadministrative-record establishments	N	X	X	21 164	N	X	X	N
311920WYWY	Coffee and tea manufacturing, nsk, for administrative-record establishments	N	X	X	118 443	N	X	X	N
311930	Flavoring syrups and concentrate products	N	X	X	6 647 019	N	X	X	N
3119301	Liquid beverage bases not for use by soft drink bottlers	N	X	X	243 083	N	X	X	158 766
31193011	Liquid beverage bases not for use by soft drink bottlers	N	X	X	171 609	N	X	X	N
3119301111	Cocktail mix beverage bases not for use by soft drink bottlers mil gal..	23	X	S	62 770	10	X	99.2	46 063
3119301121	Other liquid beverage bases not for use by soft drink bottlers mil gal..	21	X	S	108 839	15	X	16.0	90 718
3119301Y	Liquid beverage bases not for use by soft drink bottlers, nsk	N	X	X	71 474	N	X	X	N
3119301YVW	Liquid beverage bases not for use by soft drink bottlers, nsk	N	X	X	71 474	N	X	X	21 985
3119304	Liquid beverage bases for use by soft drink bottlers	N	X	X	3 570 847	N	X	X	2 981 516
31193041	Liquid beverage bases for use by soft drink bottlers	N	X	X	3 502 510	N	X	X	N
3119304111	Liquid beverage base concentrates with some juice content, for sale to soft drink bottlers mil cases, 192 oz case equiv..	17	X	S	368 061	12	X	180.6	211 823
3119304121	Other liquid beverage base concentrates, for sale to soft drink bottlers mil cases, 192 oz case equiv..	12	X	D	D	13	X	D	D
3119304131	Liquid beverage base syrups, for sale to soft drink bottlers mil cases, 192 oz case equiv..	9	X	S	249 832	9	X	254.9	224 014
3119304141	Liquid beverage base concentrates with some juice content, for sale to trade or nonbottler distributors mil cases, 192 oz case equiv..	5	X	1.3	18 714	9	X	5.0	22 094
3119304151	Other liquid beverage base concentrates, for sale to trade or nonbottler distributors mil cases, 192 oz case equiv..	5	X	D	D	8	X	D	D
3119304161	Liquid beverage base syrups, for sale to trade or nonbottler distributors mil cases, 192 oz case equiv..	11	X	S	174 328	16	X	22.0	42 555
3119304Y	Liquid beverage bases for use by soft drink bottlers, nsk	N	X	X	68 337	N	X	X	N
3119304YVW	Liquid beverage bases for use by soft drink bottlers, nsk	N	X	X	68 337	N	X	X	21 946
3119307	Other flavoring agents (except chocolate syrups), nec	N	X	X	2 485 017	N	X	X	N
31193071	Other flavoring agents (except chocolate syrups)	N	X	X	2 473 489	N	X	X	N
3119307111	Flavoring syrups for fountain, ice cream, and home beverage use; excluding liquid beverage bases, soft drinks in bulk, and chocolate syrups mil gal..	24	X	D	D	24	X	D	D
3119307121	Fruit, crushed or whole, for fountain and ice cream flavoring agent use mil gal..	13	X	D	D	15	X	23.6	161 335
3119307131	Food colorings, except synthetic	12	X	X	43 694	11	X	X	104 382
3119307141	Concentrated fruit juice products (not frozen or hot pack), for fountain flavoring agent use mil gal..	11	X	22.1	135 103	8	X	29.5	60 662
3119307Y	Other flavoring agents (except chocolate syrups), nsk	N	X	X	11 528	N	X	X	N
3119307YVW	Other flavoring agents (except chocolate syrups), nsk	N	X	X	11 528	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
311930	Flavoring syrups and concentrate products—Con.								
311930W	Flavoring syrup and concentrates, nsk, total	N	X	X	348 072	N	X	X	N
311930WY	Flavoring syrup and concentrate manufacturing, nsk, total	N	X	X	348 072	N	X	X	N
311930WYWW	Flavoring syrup and concentrate manufacturing, nsk, for nonadministrative-record establishments	N	X	X	288 400	N	X	X	N
311930WYWY	Flavoring syrup and concentrate manufacturing, nsk, for administrative-record establishments	N	X	X	59 672	N	X	X	N
311941	Mayonnaise, dressings, and other prepared sauces	N	X	X	5 550 851	N	X	X	N
3119411	Vinegar and cider	N	X	X	233 155	N	X	X	228 521
31194111	Vinegar and cider	N	X	X	224 676	N	X	X	N
3119411111	Cider	18	X	28.7	51 739	10	X	23.2	48 511
3119411121	Vinegar, fermented (basis equivalent to 40 grain)	15	X	57.9	43 469	12	X	53.5	41 493
3119411131	Vinegar, distilled (basis equivalent to 100 grain)	20	X	155.4	129 468	21	X	156.4	126 078
3119411Y	Vinegar and cider, nsk	N	X	X	8 479	N	X	X	N
3119411YWV	Vinegar and cider, nsk	N	X	X	8 479	N	X	X	12 439
3119414	Prepared sauces (except tomato)	N	X	X	1 870 691	N	X	X	1 754 331
31194141	Prepared mustard	N	X	X	342 187	N	X	X	N
3119414111	Prepared mustard	48	X	131.9	342 187	41	X	118.7	323 990
31194142	Other prepared sauces, except tomato (worcestershire, soy, horseradish, meat, vegetable, seafood, etc.)	N	X	X	1 509 449	N	X	X	N
3119414221	Other prepared sauces, except tomato (worcestershire, soy, horseradish, meat, vegetable, seafood, etc.)	121	X	P329.1	1 509 449	104	X	P279.7	1 412 499
3119414Y	Prepared sauces (except tomato), nsk	N	X	X	19 055	N	X	X	N
3119414YWV	Prepared sauces (except tomato), nsk	N	X	X	19 055	N	X	X	17 842
3119417	Mayonnaise, salad dressings, and sandwich spreads	N	X	X	3 282 608	N	X	X	3 339 745
31194171	Spoon-type salad dressing	N	X	X	863 676	N	X	X	N
3119417111	Spoon-type salad dressing	49	X	220.0	863 676	49	X	166.7	852 113
31194172	Spoon-type mayonnaise	N	X	X	913 809	N	X	X	N
3119417221	Spoon-type mayonnaise	32	X	227.2	913 809	39	X	214.0	899 436
31194173	Other spoon-type dressing, including sandwich spreads, refrigerated dressings, and all other semisolid-type dressing	N	X	X	555 661	N	X	X	N
3119417331	Other spoon-type dressing, including sandwich spreads, refrigerated dressings, and all other semisolid-type dressing	39	X	112.0	555 661	43	X	137.3	674 392
31194174	Pourable salad dressing (including reduced calorie, cheese, vinegar and oil, etc.)	N	X	X	926 110	N	X	X	N
3119417441	Pourable salad dressing (including reduced calorie, cheese, vinegar and oil, etc.)	41	X	193.4	926 110	41	X	P182.1	904 396
3119417Y	Mayonnaise, salad dressings, and sandwich spreads, nsk	N	X	X	23 352	N	X	X	N
3119417YWV	Mayonnaise, salad dressings, and sandwich spreads, nsk	N	X	X	23 352	N	X	X	9 408
311941W	Mayonnaise, dressing, and other prepared sauces, nsk, total	N	X	X	164 397	N	X	X	N
311941WY	Mayonnaise, dressing, and other prepared sauce manufacturing nsk, for both nonadministrative and administrative-record establishments	N	X	X	164 397	N	X	X	N
311941WYWW	Mayonnaise, dressing, and other prepared sauce manufacturing nsk, for nonadministrative-record establishments	N	X	X	64 550	N	X	X	N
311941WYWY	Mayonnaise, dressing, and other prepared sauce manufacturing nsk, for administrative-record establishments	N	X	X	99 847	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
311942	Spices and extracts	N	X	X	4 315 818	N	X	X	N
3119421	Table salt (evaporated), pepper (black and white), and other spices	N	X	X	1 713 993	N	X	X	N
31194211	Table salt (evaporated) and salt and pepper (white and black)	N	X	X	263 571	N	X	X	N
3119421111	Table salt, evaporated, 1,000 s tons..	4	X	115.9	59 047	N	X	N	N
3119421121	Pepper, white and black, in consumer sizes (less than 1 pound)	10	X	78.7	142 207	15	X	117.2	156 149
3119421131	Pepper, white and black, in commercial sizes (1 lb or more)	21	X	34.7	62 317	20	X	935.9	71 622
31194212	Other spices in consumer sizes (less than 1 lb)	N	X	X	758 340	N	X	X	N
3119421241	Other spices in consumer sizes (less than 1 lb)	28	X	232.1	758 340	29	X	224.9	528 460
31194213	Other spices in commercial sizes (1 lb or more)	N	X	X	649 144	N	X	X	N
3119421351	Other spices in commercial sizes (1 lb or more)	43	X	381.0	649 144	43	X	184.3	354 195
3119421Y	Table salt (evaporated), pepper (white and black), and other spices, nsk	N	X	X	42 938	N	X	X	N
3119421YVV	Table salt (evaporated), pepper (white and black), and other spices, nsk	N	X	X	42 938	N	X	X	N
3119424	Flavoring extracts, emulsions, and other liquid flavors	N	X	X	772 591	N	X	X	N
31194241	Flavoring extracts, emulsions, and other liquid flavors	N	X	X	725 680	N	X	X	N
3119424111	Natural or true flavoring extracts, emulsions, and other liquid flavors, in containers 8 oz or less	15	X	17.5	81 657	19	X	17.6	105 924
3119424121	Natural or true flavoring extracts, emulsions, and other liquid flavors, in containers more than 8 oz	56	X	74.1	432 864	46	X	54.7	202 761
3119424131	Imitation flavoring extracts, emulsions, and other liquid flavors	41	X	41.9	209 367	34	X	24.1	162 268
3119424141	Coffee, extracts	3	X	.9	1 792	N	X	N	N
3119424Y	Flavoring extracts, emulsions, and other liquid flavors, nsk	N	X	X	46 911	N	X	X	N
3119424YVV	Flavoring extracts, emulsions, and other liquid flavors, nsk	N	X	X	46 911	N	X	X	N
3119427	Dry mix food preparations, including dip mixes, salad dressing mixes, seasoning mixes, gravy and sauce mixes, and frosting mixes	N	X	X	1 786 374	N	X	X	N
31194271	Dry dip, salad dressing, and seasoning mixes	N	X	X	1 156 323	N	X	X	N
3119427111	Dry dip mixes	9	X	D	D	6	X	S	16 398
3119427121	Dry salad dressing mixes	9	X	D	D	8	X	D	D
3119427131	Dry seasoning mixes	61	X	796.5	1 038 297	58	X	717.6	692 845
31194272	Dry gravy and sauces mixes and frosting mixes	N	X	X	630 051	N	X	X	N
3119427241	Dry gravy and sauce mixes	34	X	137.1	377 734	29	X	161.2	306 606
3119427251	Dry frosting mixes	14	X	312.5	252 317	6	X	D	D
3119427Y	Dry mix food preparations, including dip mixes, salad dressing mixes, seasoning mixes, gravy and sauce mixes and frosting mixes, nsk	N	X	X	—	N	X	X	N
3119427YVV	Dry mix food preparations, including dip mixes, salad dressing mixes, seasoning mixes, gravy and sauce mixes, and frosting mixes, nsk	N	X	X	—	N	X	X	N
311942W	Spice and extracts, nsk, total	N	X	X	42 860	N	X	X	N
311942WY	Spice and extract manufacturing, nsk, total	N	X	X	42 860	N	X	X	N
311942WYWW	Spice and extract manufacturing, nsk, for nonadministrative-record establishments	N	X	X	7 652	N	X	X	N
311942WYWY	Spice and extract manufacturing, nsk, for administrative-record establishments	N	X	X	35 208	N	X	X	N
311991	Perishable prepared foods	N	X	X	2 860 755	N	X	X	N
3119910	Perishable prepared food sold in bulk or packages, not frozen or canned	N	X	X	2 860 755	N	X	X	N
31199101	Salads sold in bulk or packages, not frozen or canned	N	X	X	725 675	N	X	X	N
3119910111	Salads sold in bulk or packages, not frozen or canned	72	X	X	725 675	72	X	X	515 727
31199102	Sandwiches, made from bread, sold in bulk or packages, not frozen or canned	N	X	X	264 862	N	X	X	N
3119910221	Sandwiches, made from bread, sold in bulk or packages, not frozen or canned	57	X	X	264 862	40	X	X	257 528

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
311991	Perishable prepared foods—Con.								
3119910	Perishable prepared food sold in bulk or packages, not frozen or canned—Con.								
31199103	Vegetables and potatoes, peeled or cut for the trade, sold in bulk or packages, not frozen or canned	N	X	X	416 377	N	X	X	N
3119910331	Vegetables and potatoes, peeled or cut for the trade, sold in bulk or packages, not frozen or canned	30	X	X	416 377	20	X	X	120 053
31199104	Tamales and other Mexican food specialties sold in bulk or packages, not frozen or canned	N	X	X	150 541	N	X	X	N
3119910441	Tamales and other Mexican food specialties sold in bulk or packages, not frozen or canned	42	X	X	150 541	45	X	X	249 521
31199105	Prepared meals, including tofu, meat, and poultry pies, sold in bulk or packages, not frozen or canned	N	X	X	662 532	N	X	X	N
3119910551	Prepared meals, including meat and poultry pies, sold in bulk or packages, not frozen	23	X	X	D	20	X	X	95 362
3119910561	Tofu (bean curd) sold in bulk or packages, not frozen or canned	26	X	D	D	24	X	P37.2	70 574
31199106	Pizza sold in bulk or packages, not frozen or canned	N	X	X	71 630	N	X	X	N
3119910671	Pizza sold in bulk or packages, not frozen or canned	22	X	S	71 630	20	X	38.9	114 470
31199107	Other perishable prepared foods	N	X	X	450 337	N	X	X	N
3119910781	Other perishable prepared foods	86	X	X	450 337	64	X	X	221 965
3119910Y	Perishable prepared foods, sold in bulk or packages, not frozen or canned, nsk	N	X	X	118 801	N	X	X	N
3119910YWW	Perishable prepared food manufacturing, nsk, for nonadministrative-record establishments	N	X	X	50 721	N	X	X	N
3119910YWY	Perishable prepared food, manufacturing, nsk, for administrative-record establishments	N	X	X	68 080	N	X	X	N
311999	All other miscellaneous food preparations	N	X	X	9 331 297	N	X	X	N
3119991	Desserts (ready-to-mix)	N	X	X	512 820	N	X	X	708 846
31199911	Desserts (ready-to-mix)	N	X	X	502 000	N	X	X	N
3119991111	Ready-to-mix desserts with cornstarch base, consumer sizes (less than 1 lb)	10	X	101.1	151 846	8	X	226.4	204 858
3119991121	Ready-to-mix desserts with cornstarch base, commercial sizes (1 lb or more)	6	X	P6.3	8 706	5	X	28.3	28 319
3119991131	Ready-to-mix desserts with gelatin base, consumer sizes (less than 1 lb)	11	X	119.0	156 942	11	X	264.4	324 038
3119991141	Ready-to-mix desserts with gelatin base, commercial sizes (1 lb or more)	6	X	5.2	5 860	10	X	P6.3	6 973
3119991151	Ready-to-mix desserts, other base	17	X	194.7	178 646	6	X	P36.4	43 245
3119991Y	Desserts (ready-to-mix), nsk	N	X	X	10 820	N	X	X	N
3119991YWV	Desserts (ready-to-mix), nsk	N	X	X	10 820	N	X	X	101 413
3119994	Sweetening syrups and molasses	N	X	X	627 456	N	X	X	611 636
31199941	Sweetening syrups and molasses	N	X	X	612 366	N	X	X	N
3119994111	Sweetening syrups and molasses containing corn syrup	37	X	913.5	423 337	48	X	P883.1	531 825
3119994121	Sweetening syrups and molasses not containing corn syrup	27	X	275.6	189 029	16	X	118.5	57 808
3119994Y	Sweetening syrups and molasses, nsk	N	X	X	15 090	N	X	X	N
3119994YWV	Sweetening syrups and molasses, nsk	N	X	X	15 090	N	X	X	22 003
3119997	Baking powder and yeast	N	X	X	373 875	N	X	X	315 951
31199971	Baking powder and yeast	N	X	X	371 691	N	X	X	N
3119997111	Baking powder	7	X	P114.7	45 777	6	X	41.8	60 819
3119997121	Compressed yeast	5	X	495.3	160 539	5	X	431.8	165 359
3119997131	Active dry yeast	5	X	42.9	65 739	4	X	D	D
3119997141	Other yeast products (brewers', primary grown yeast, including torule, extracts, and other yeast products)	9	X	251.0	99 636	10	X	129.7	29 858
3119997Y	Baking powder and yeast, nsk	N	X	X	2 184	N	X	X	N
3119997YWV	Baking powder and yeast, nsk	N	X	X	2 184	N	X	X	D

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311999	All other miscellaneous food preparations—Con.								
311999A	Macaroni and noodle products packaged with other ingredients, not canned or frozen	N	X	X	1 218 827	N	X	X	1 122 344
311999A1	Macaroni and noodle products packaged with other ingredients, not canned or frozen	N	X	X	1 207 930	N	X	X	N
311999A111	Dry (less than 14 percent moisture) macaroni, spaghetti, vermicelli, and other macaroni products packaged with other ingredients, not canned or frozen	28	X	P801.4	982 988	23	X	470.9	611 456
311999A121	Wet (14 percent or more moisture) macaroni, spaghetti, vermicelli, and other macaroni products packaged with other ingredients, not canned, frozen, or refrigerated	4	X	3.6	7 639	4	X	D	D
311999A131	Refrigerated macaroni, spaghetti, vermicelli, and other macaroni products packaged with other ingredients, not canned or frozen	27	X	P58.9	72 079	19	X	P74.8	69 098
311999A141	Dry (less than 14 percent moisture) noodle products of all shapes, sizes, and types (except Chinese), packaged with other ingredients, not canned or frozen	14	X	P173.2	123 829	12	X	P142.9	161 762
311999A151	Wet (14 percent or more moisture) noodle products of all shapes, sizes, and types (except Chinese), packaged with other ingredients, not canned, frozen, or refrigerated	7	X	6.8	6 566	2	X	D	D
311999A161	Refrigerated noodle products of all shapes, sizes, and types (except Chinese), packaged with other ingredients, not canned or frozen	12	X	S	14 829	5	X	S	12 623
311999AY	Macaroni and noodle products packaged with other ingredients, not canned or frozen, nsk	N	X	X	10 897	N	X	X	N
311999AYWV	Macaroni and noodle products packaged with other ingredients, not canned or frozen, nsk	N	X	X	10 897	N	X	X	16 214
311999D	Dried and dehydrated products, except pasta, packaged with other ingredients	N	X	X	1 000 184	N	X	X	N
311999D1	Dried and dehydrated products, except pasta, packaged with other ingredients	N	X	X	1 000 184	N	X	X	N
311999D131	Dried and dehydrated potatoes, packaged with other ingredients	13	X	73.5	111 931	7	X	102.5	127 429
311999D141	Head rice packaged with other ingredients	13	X	853.2	627 339	15	X	464.1	395 597
311999D151	Other dried and dehydrated products, except pasta and imitation dairy mixes, packaged with other ingredients	40	X	q190.6	260 914	N	X	N	N
311999DY	Dried and dehydrated products, except pasta, packaged with other ingredients, nsk	N	X	X	—	N	X	X	N
311999DYWV	Dried and dehydrated products, except pasta, packaged with other ingredients, nsk	N	X	X	—	N	X	X	N
311999G	Liquid, dried, and frozen eggs	N	X	X	1 461 611	N	X	X	866 236
311999G1	Liquid, dried, and frozen eggs	N	X	X	1 345 194	N	X	X	N
311999G111	Dried egg whites	9	X	P24.2	66 625	14	X	P45.1	107 251
311999G121	Dried egg yolks	6	X	P27.4	43 921	10	X	S	47 129
311999G131	Dried eggs, whole	8	X	q31.8	55 464	11	X	45.9	68 048
311999G141	Dried eggs, mixed	7	X	S	86 674	8	X	33.1	50 609
311999G151	Frozen or liquid egg whites	15	X	395.0	261 229	17	X	279.7	265 237
311999G161	Frozen or liquid egg yolks	13	X	q56.6	44 117	13	X	112.2	51 648
311999G171	Frozen or liquid eggs, whole	16	X	P667.9	345 086	18	X	P277.5	146 798
311999G181	Frozen or liquid eggs, mixed	17	X	635.2	442 078	14	X	146.1	79 403
311999GY	Liquid, dried, or frozen eggs, nsk	N	X	X	116 417	N	X	X	N
311999GYWV	Egg processing, nsk	N	X	X	116 417	N	X	X	50 113
311999J	Flavoring powders, tablets, and paste, including dry mix cocktails	N	X	X	867 251	N	X	X	N
311999J1	Flavoring powders, tablets, and paste, including dry mix cocktails	N	X	X	867 251	N	X	X	N
311999J111	Soft drink (effervescent and noneffervescent) flavoring powders, tablets, and pastes	21	X	116.0	466 631	13	X	88.7	188 913
311999J121	Other flavoring powders, tablets, and paste, including dry mix cocktails	54	X	q114.3	400 620	38	X	285.6	958 296
311999JY	Flavoring powders, tablets, and paste, including dry mix cocktails, nsk	N	X	X	—	N	X	X	N
311999JYWV	Flavoring powders, tablets, and paste, including dry mix cocktails, nsk	N	X	X	—	N	X	X	N

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311999	All other miscellaneous food preparations—Con.								
311999M	Other food preparations, nec	N	X	X	2 121 392	N	X	X	N
311999M1	Other food preparations, nec	N	X	X	2 114 959	N	X	X	N
311999M101	Canned Puddings	7	X	X	222 801	N	X	X	N
311999M111	Coconut, sweetened, creamed, and toasted	4	X	14.5	16 475	7	X	31.5	42 580
311999M121	Blended honey, including churned	17	X	168.6	186 171	21	X	159.4	148 288
311999M131	Chinese noodles, except canned and frozen	44	X	223.4	127 201	36	X	144.5	101 964
311999M141	Pectin (100 grade, dry basis)	4	X	D	D	5	X	7.5	22 908
311999M151	Unpopped popcorn, in consumer packages	13	X	1 407.4	737 300	15	X	1 934.6	679 541
311999M161	Cracker sandwiches, made from purchased crackers	1	X	D	D	3	X	D	D
311999M171	Food preparations, nec	93	X	X	731 053	N	X	X	N
311999MY	Other food preparations, nec, nsk	N	X	X	6 433	N	X	X	N
311999MYWV	Other food preparations, nec, nsk	N	X	X	6 433	N	X	X	N
311999W	All other miscellaneous food products, nsk, total	N	X	X	1 147 881	N	X	X	N
311999WY	All other miscellaneous food manufacturing, nsk, total	N	X	X	1 147 881	N	X	X	N
311999WYWW	All other miscellaneous food manufacturing, nsk, for nonadministrative-record establishments	N	X	X	998 247	N	X	X	N
311999WYWY	All other miscellaneous food manufacturing, nsk, for administrative-record establishments	N	X	X	149 634	N	X	X	N
312111	Soft drinks	N	X	X	28 778 316	N	X	X	N
3121111	Bottled carbonated soft drinks	N	X	X	9 094 971	N	X	X	7 456 576
31211111	Bottled carbonated soft drinks in refillable glass bottles (regular and diet)	N	X	X	336 021	N	X	X	N
3121111111	Bottled carbonated soft drinks in refillable glass bottles (regular and diet)	39	X	112.5	336 021	92	X	N	598 968
312111112	Bottled carbonated soft drinks in refillable glass bottles (regular and diet) (sum of quantity detail)	N	X	X	220	N	X	X	N
31211111221	Regular bottled carbonated soft drinks containing some real juice, in refillable glass bottles	N	X	D	X	N	X	8.5	X
31211111231	Regular bottled carbonated soft drinks containing kola extract, except those with some real juice, in refillable glass bottles	N	X	69.3	X	N	X	94.7	X
31211111241	Regular bottled carbonated soft drinks containing lemon, lime, and lemon-lime combinations, except those with some real juice, in refillable glass bottles	N	X	10.0	X	N	X	D	X
31211111251	Other regular bottled carbonated soft drink flavors (including carbonated waters, sparkling waters, and club soda, except those with some real juice) in refillable glass bottles	N	X	22.1	X	N	X	D	X
31211111261	Diet bottled carbonated soft drinks containing some real juice, in refillable glass bottles	N	X	.1	X	N	X	2.0	X
31211111271	Diet bottled carbonated soft drinks containing kola extract, except those with some real juice, in refillable glass bottles	N	X	D	X	N	X	29.8	X
31211111281	Diet bottled carbonated soft drinks containing lemon, lime, and lemon- lime combinations, except those with some real juice, in refillable glass bottles	N	X	D	X	N	X	4.8	X
31211111291	Other diet bottled carbonated soft drink flavors (including carbonated waters, sparkling waters, and club soda, except those with some real juice) in refillable glass bottles	N	X	1.0	X	N	X	D	X
31211113	Bottled carbonated soft drinks in non- refillable glass bottles (regular and diet)	N	X	X	931 451	N	X	X	N
31211113A1	Bottled carbonated soft drinks in non-refillable glass bottles (regular and diet)	77	X	203.7	931 451	152	X	N	2 145 106

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
312111	Soft drinks—Con.								
3121111	Bottled carbonated soft drinks—Con.								
31211114	Bottled carbonated soft drinks in non-refillable glass bottles (regular and diet) (sum of quantity detail)	N	X	X	7 411	N	X	X	N
31211114B1	Regular bottled carbonated soft drinks containing some real juice, in nonrefillable glass bottles	N	X	19.3	X	N	X	30.2	X
31211114C1	Regular bottled carbonated soft drinks containing kola extract, except those with some real juice, in nonrefillable glass bottles	2	X	59.4	X	N	X	D	X
31211114D1	Regular bottled carbonated soft drinks containing lemon, lime, and lemon-lime combinations, except those with some real juice, in nonrefillable glass bottles	N	X	18.5	X	N	X	35.2	X
31211114E1	Carbonated waters, sparkling waters, and club soda (except those with some real juice)	1	X	D	X	N	X	X	N
31211114F1	Other regular bottled carbonated soft drink flavors, including club soda, except those with some real juice, in nonrefillable glass bottles ..	2	X	D	X	N	X	X	N
31211114G1	Diet bottled carbonated soft drinks containing some real juice, in nonrefillable glass bottles	N	X	1.4	X	N	X	3.3	X
31211114H1	Diet bottled carbonated soft drinks containing kola extract, except those with some real juice, in nonrefillable glass bottles	N	X	D	X	N	X	58.7	X
31211114J1	Diet bottled carbonated soft drinks containing lemon, lime, and lemon-lime combinations, except those with some real juice, in nonrefillable glass bottles	N	X	4.2	X	N	X	9.4	X
31211114K1	Other diet bottled carbonated soft drink flavors (including carbonated waters, sparkling waters, and club soda, except those with some real juice) in nonrefillable glass bottles ..	N	X	D	X	N	X	135.6	X
31211115	Bottled carbonated soft drinks in plastics bottles (regular and diet)	N	X	X	7 629 987	N	X	X	X
3121111511	Bottled carbonated soft drinks in plastics bottles (regular and diet) ...	133	X	P2 268.5	7 629 987	184	X	N	4 697 572
31211116	Bottled carbonated soft drinks in plastics bottles (regular and diet) (sum of quantity detail)	N	X	X	24 297	N	X	X	N
31211116L1	Regular bottled carbonated soft drinks containing some real juice, in plastics bottles	1	X	D	X	N	X	62.0	X
31211116M1	Regular bottled carbonated soft drinks containing kola extract, except those with some real juice, in plastics bottles	N	X	828.5	X	N	X	D	X
31211116N1	Regular bottled carbonated soft drinks containing lemon, lime, and lemon-lime combinations, except those with some real juice, in plastics bottles	N	X	279.9	X	N	X	D	X
31211116P1	Carbonated waters, sparkling waters, and club soda (except those with some real juice)	1	X	D	X	N	X	N	N
31211116Q1	Other regular bottled carbonated soft drink flavors, including club soda, except those with some real juice, in plastics bottles	N	X	569.2	X	N	X	X	N
31211116R1	Diet bottled carbonated soft drinks containing some real juice, in plastics bottles	N	X	8.1	X	N	X	24.2	X
31211116T1	Diet bottled carbonated soft drinks containing kola extract, except those with some real juice, in plastics bottles	N	X	320.2	X	N	X	282.8	X

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312111	Soft drinks—Con.								
3121111	Bottled carbonated soft drinks—Con.								
31211116	Bottled carbonated soft drinks in plastics bottles (regular and diet) (sum of quantity detail)—Con.								
31211116U1	Diet bottled carbonated soft drinks containing lemon, lime, and lemon-lime combinations, except those with some real juice, in plastics bottles mil cases, 192 oz case equiv..	N	X	D	X	N	X	35.5	X
31211116V1	Other diet bottled carbonated soft drink flavors (including carbonated waters, sparkling waters, and club soda, except those with some real juice) in plastics bottles mil cases, 192 oz case equiv..	1	X	D	X	N	X	71.5	X
3121111Y	Bottled carbonated soft drinks, nsk	N	X	X	165 584	N	X	X	N
3121111YWV	Bottled carbonated soft drinks, nsk	N	X	X	165 584	N	X	X	7 667
3121114	Canned carbonated soft drinks	N	X	X	11 762 928	N	X	X	9 941 320
31211141	Canned carbonated soft drinks	N	X	X	11 762 928	N	X	X	N
3121114100	Canned carbonated soft drinks	118	X	X	11 713 994	N	X	X	9 941 320
3121114111	Regular canned carbonated soft drinks containing some real juice . . . mil cases, 192 oz case equiv..	2	X	D	X	N	X	104.5	X
3121114121	Regular canned carbonated soft drinks containing kola extract, except those with some real juice . . . mil cases, 192 oz case equiv..	N	X	1 223.0	X	N	X	1 146.8	X
3121114131	Regular canned carbonated soft drinks containing lemon, lime, and lemon-lime combinations, except those with some real juice mil cases, 192 oz case equiv..	N	X	305.9	X	N	X	218.9	X
3121114141	Carbonated waters, sparkling waters, and club soda, except those with some real juice, canned mil cases, 192 oz case equiv..	N	X	39.5	X	N	X	X	N
3121114151	Other regular canned carbonated soft drink flavors mil cases, 192 oz case equiv..	1	X	D	X	N	X	X	N
3121114161	Diet canned carbonated soft drinks containing some real juice mil cases, 192 oz case equiv..	N	X	9.8	X	N	X	58.4	X
3121114171	Diet canned carbonated soft drinks containing kola extracts, except those with some real juice mil cases, 192 oz case equiv..	N	X	509.4	X	N	X	539.4	X
3121114181	Diet canned carbonated soft drinks containing lemon, lime, and lemon-lime combinations, except those with some real juice mil cases, 192 oz case equiv..	N	X	59.2	X	N	X	75.2	X
3121114191	Diet canned carbonated waters, sparkling waters, and club soda, except those with some real juice . . . mil cases, 192 oz case equiv..	N	X	2.2	X	N	X	N	N
31211141A1	Other diet canned carbonated soft drink flavors mil cases, 192 oz case equiv..	N	X	228.5	X	N	X	N	N
3121117	Soft drink flavoring syrup sold in bulk	N	X	X	1 139 247	N	X	X	1 052 418
31211171	Soft drink flavoring syrup sold in bulk	N	X	X	1 042 884	N	X	X	N
3121117111	Soft drink flavoring syrup sold in bulk, postmix mil gal..	79	X	384.7	829 206	103	X	354.4	830 747
3121117121	Soft drink flavoring syrup sold in bulk, premix mil gal..	64	X	S	213 678	90	X	P57.5	143 601
3121117Y	Soft drink flavoring syrup sold in bulk, nsk	N	X	X	96 363	N	X	X	N
3121117YWV	Soft drink flavoring syrup sold in bulk, nsk	N	X	X	96 363	N	X	X	78 070
312111A	Noncarbonated soft drinks	N	X	X	5 817 078	N	X	X	N
312111A1	Noncarbonated fruit drinks, cocktails, and ades containing some real juice, 16.9 oz (1/2 liter) container or less, except concentrates	N	X	X	1 187 495	N	X	X	N
312111A111	Noncarbonated fruit drinks, cocktails, and ades containing some real juice, 16.9 oz (1/2 liter) container or less, except concentrates mil gal..	80	X	S	1 187 495	84	X	275.6	585 529
312111A2	Noncarbonated fruit drinks, cocktails, and ades containing some real juice, in other size containers (cartons, bottles, cans, etc.), except concentrates	N	X	X	2 096 786	N	X	X	N
312111A221	Noncarbonated fruit drinks, cocktails, and ades containing some real juice, in other size containers (cartons, bottles, cans, etc.), except concentrates mil gal..	140	X	S	2 096 786	150	X	P954.4	1 912 734

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
312111	Soft drinks—Con.								
312111A	Noncarbonated soft drinks—Con.								
312111A3 312111A331	All other noncarbonated soft drinks Noncarbonated fruit drinks, cocktails, and ades concentrates containing some real juice mil gal..	N 39	X X	X P133.4	2 532 797 531 719	N 26	X X	X 66.6	N 206 125
312111A341	Noncarbonated fruit drinks, cocktails, and ades, containing no real juice, 16.9 oz (1/2 liter) container or less, except concentrates mil gal..	24	X	P83.8	208 924	20	X	51.8	133 793
312111A351	Noncarbonated fruit drinks, cocktails, and ades, containing no real juice, in other size containers (cartons, bottles, cans, etc.), except concentrates mil gal..	29	X	Q156.2	552 945	23	X	64.8	211 602
312111A361	Noncarbonated fruit drinks, cocktails, and ades concentrates containing no real juice mil gal..	6	X	13.1	32 506	6	X	Q3.6	15 560
312111A371	Canned iced tea (noncarbonated), with or without flavorings mil gal..	30	X	S	211 214	33	X	46.7	99 961
312111A381	Bottled iced tea, with or without flavorings mil gal..	32	X	P58.7	102 818	N	X	N	N
312111A391	All other noncarbonated soft drinks mil gal..	39	X	S	892 671	N	X	N	N
312111AY 312111AYWV	Noncarbonated soft drinks, nsk Noncarbonated soft drinks, nsk.....	N N	X X	X X	— —	N N	X X	X X	N N
312111W	Soft drinks, nsk, total.....	N	X	X	964 092	N	X	X	N
312111WY 312111WYWW	Soft drink manufacturing, nsk Soft drink manufacturing, nsk, for nonadministrative-record establishments	N N	X X	X X	964 092 742 252	N N	X X	X X	N N
312111WYWY	Soft drink manufacturing, nsk, for administrative-record establishments	N	X	X	221 840	N	X	X	N
312112	Bottled Water Manufacturing	N	X	X	836 529	N	X	X	N
3121120	Bottled Water Manufacturing	N	X	X	836 529	N	X	X	N
31211201 3121120100	Bottled water Bottled water (noncarbonated), processed or pasteurized, except artificially carbonated and sterile..... mil gal..	N 101	X X	X P486.9	781 063 781 063	N 38	X X	X Q156.6	N 192 987
3121120Y 3121120YWW	Bottled water, nsk Bottled water manufacturing, nsk, for nonadministrative-record establishments	N N	X X	X X	55 466 144	N N	X X	X X	N N
3121120YWY	Bottled water manufacturing, nsk, for administrative-record establishments	N	X	X	55 322	N	X	X	N
312113	Ice	N	X	X	406 254	N	X	X	343 158
3121130	Ice	N	X	X	406 254	N	X	X	343 158
31211301 3121130111 3121130121	Ice manufacturing Manufactured can or block ice 1,000 s tons.. Manufactured cubed, crushed, or other processed ice 1,000 s tons..	N 45 146	X X X	X 345.5 2 211.2	304 594 34 722 269 872	N 48 154	X X X	X S S	N 50 026 188 886
3121130Y 3121130YWW	Ice manufacturing, nsk Ice manufacturing, nsk, for nonadministrative-record establishments	N N	X X	X X	101 660 51 906	N N	X X	X X	N 69 629
3121130YWY	Ice manufacturing, nsk, for administrative-record establishments	N	X	X	49 754	N	X	X	34 617
312120	Brewery products	N	X	X	18 162 490	N	X	X	17 301 667
3121201	Canned beer and ale case goods.....	N	X	X	9 694 616	N	X	X	10 636 227
31212011 3121201111	Canned beer and ale case goods..... Canned beer and ale case goods, 12 oz cans 1,000 cases..	N 20	X X	X 1 303 937.1	8 369 236 8 369 236	N 20	X X	X S	N 9 526 902
31212012 3121201221 3121201231	Canned beer and ale case goods, other can sizes Canned beer and ale case goods, 16 oz cans 1,000 cases.. Canned beer and ale case goods, other can sizes 1,000 cases..	N 11 6	X X X	X 93 232.9 78 311.7	1 227 675 730 009 497 666	N 12 6	X X X	X S S	N 876 421 231 939
3121201Y 3121201YWV	Canned beer and ale case goods, nsk Canned beer and ale case goods, nsk	N N	X X	X X	97 705 97 705	N N	X X	X X	N 965

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
312120	Brewery products—Con.								
3121204	Bottled beer and ale case goods	N	X	X	6 209 755	N	X	X	4 861 750
31212041	Bottled beer and ale case goods in returnable bottle sizes	N	X	X	854 278	N	X	X	N
3121204111	Bottled beer case goods in returnable bottles less than 12 oz	6	X	S	43 371	5	X	S	11 380
3121204121	Bottled beer case goods in returnable 12 oz bottles	21	X	108 528.9	778 401	23	X	S	1 130 239
3121204131	Bottled beer case goods in returnable 32 oz bottles	1	X	D	D	2	X	D	D
3121204141	Bottled beer case goods in all other returnable bottle sizes	10	X	D	D	7	X	S	16 540
31212042	Bottled beer case goods in nonreturnable bottle sizes	N	X	X	5 229 563	N	X	X	N
3121204251	Bottled beer case goods in nonreturnable bottles less than 12 oz	8	X	25 733.9	124 863	9	X	S	107 221
3121204261	Bottled beer case goods in nonreturnable 12 oz bottles	41	X	549 489.4	4 263 786	29	X	S	2 900 504
3121204271	Bottled beer case goods in nonreturnable 32 oz bottles	8	X	36 106.8	260 350	9	X	S	168 275
3121204281	Bottled beer case goods in all other nonreturnable bottle sizes	19	X	98 081.9	495 914	12	X	D	D
3121204291	Bottled ale case goods	19	X	5 713.4	84 650	12	X	S	42 053
3121204Y	Bottled beer and ale case goods, nsk	N	X	X	125 914	N	X	X	N
3121204YVV	Bottled beer and ale case goods, nsk	N	X	X	125 914	N	X	X	—
3121207	Beer and ale in barrels and kegs	N	X	X	1 113 941	N	X	X	1 026 274
31212071	Beer and ale in barrels and kegs	N	X	X	1 058 645	N	X	X	N
3121207111	Beer and ale in one-half barrel size	59	X	18 832.8	1 003 027	34	X	S	912 633
3121207121	Beer and ale in other barrel sizes	25	X	966.2	55 618	16	X	S	113 641
3121207Y	Beer and ale in barrels and kegs, nsk	N	X	X	55 296	N	X	X	N
3121207YVV	Beer and ale in barrels and kegs, nsk	N	X	X	55 296	N	X	X	—
312120A	All other malt beverages and brewing products, nec	N	X	X	605 156	N	X	X	652 680
312120A1	All other malt beverages and brewing products	N	X	X	605 087	N	X	X	N
312120A111	Nonalcoholic beer	—	X	D	D	N	X	D	X
312120A121	Malt liquors, in either cans or bottles	4	X	D	D	9	X	S	521 192
312120A131	Dry brewers' spent grains	4	X	275.4	22 650	4	X	S	19 209
312120A141	Wet brewers' spent grains	8	X	2 858.2	44 965	9	X	S	46 225
312120A151	All other malt beverages and brewery products (porter, stout, etc., bulk transfers, malt extracts, malt syrup)	13	X	X	80 069	13	X	X	65 325
312120AY	All other malt beverages and brewing products, nsk	N	X	X	69	N	X	X	N
312120AYVV	All other malt beverages and brewing products, nsk	N	X	X	69	N	X	X	—
312120W	Malt beverages, nsk, total	N	X	X	539 022	N	X	X	124 736
312120WY	Malt beverages, nsk, total	N	X	X	539 022	N	X	X	N
312120WYWW	Malt beverages, nsk, for nonadministrative-record establishments	N	X	X	60 609	N	X	X	102 580
312120WYWY	Malt beverages, nsk, for administrative-record establishments	N	X	X	478 413	N	X	X	22 156
312130	Wines, brandies, and brandy spirits	N	X	X	6 144 389	N	X	X	4 050 025
3121300	Wine, brandy, and brandy spirits	N	X	X	6 144 389	N	X	X	4 050 025
31213001	White grape wines, 14 percent or less	N	X	X	2 508 360	N	X	X	N
3121300111	White grape wines, 14 percent or less	188	X	398.2	2 508 360	170	X	424.9	1 469 048
31213002	Red grape wines, 14 percent or less	N	X	X	1 234 898	N	X	X	N
3121300221	Red grape wines, 14 percent or less	191	X	184.1	1 234 898	144	X	207.5	759 091
31213003	Rose grape wines, 14 percent or less	N	X	X	447 677	N	X	X	N
3121300331	Rose grape wines, 14 percent or less	34	X	93.7	447 677	47	X	98.7	366 273
31213004	Other fruit and berry wines, 14 percent or less	N	X	X	D	N	X	X	N
3121300441	Other fruit and berry wines, 14 percent or less	12	X	D	D	12	X	8.0	34 923
31213005	Dessert wines (excluding specialties)	N	X	X	319 772	N	X	X	N
3121300551	Dessert wines (excluding specialties)	30	X	36.0	319 772	16	X	69.5	216 873
31213006	Effervescent wines, including sparkling wines (naturally and artificially carbonated)	N	X	X	475 684	N	X	X	N
3121300661	Effervescent wines, including sparkling wines (naturally and artificially carbonated)	30	X	69.3	475 684	26	X	56.4	339 819

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
312130	Wines, brandies, and brandy spirits—Con.								
3121300	Wine, brandy, and brandy spirits—Con.								
31213007	Wine coolers	N	X	X	D	N	X	X	N
3121300771	Wine coolers	3	X	D	D	10	X	68.4	257 250
31213008	All other wines, brandy, and brandy spirits	N	X	X	568 211	N	X	X	N
3121300881	Vermouth	3	X	D	D	5	X	3.5	18 975
3121300891	Other specialty wines	13	X	D	D	10	X	20.7	105 154
31213008A1	Nonalcoholic wine	1	X	D	X	N	X	D	X
31213008B1	Beverage brandy, neutral fruit spirits, and neutral brandy, excluding neutral citrus residue	14	X	S	356 349	14	X	36.7	222 561
31213008C1	Wine removed from fermenters	1	X	X	X	N	X	X	X
31213009	Brandy and spirits removed from receiving tanks	N	X	X	—	N	X	X	N
31213009D1	Brandy and spirits removed from receiving tanks	N	X	X	X	N	X	X	X
3121300Y	Wines, brandy, and brandy spirits, nsk, total	N	X	X	404 717	N	X	X	N
3121300YWW	Wines, brandy, and brandy spirits, nsk, for nonadministrative-record establishments	N	X	X	191 054	N	X	X	160 851
3121300YWY	Wines, brandy, and brandy spirits, nsk, for administrative-record establishments	N	X	X	213 663	N	X	X	76 538
312140	Distillery products	N	X	X	3 396 361	N	X	X	3 255 431
3121401	Distilled liquor, except brandy	N	X	X	720 111	N	X	X	643 558
31214011	Distilled whiskey, raw (bourbon, rye, etc.)	N	X	X	328 681	N	X	X	N
3121401111	Distilled whiskey, raw (bourbon, rye, etc.)	8	X	S	328 681	10	X	N	N
31214012	All other distilled liquor, except brandy	N	X	X	D	N	X	X	N
3121401221	Distilled grain neutral spirits, including neutral citrus residue brandy	1	X	D	D	3	X	N	N
3121401223	Distilled vodka (including original and continuous distillation or processing operations)	3	X	D	D	5	X	26.4	104 500
3121401241	Other distilled liquors, including rum, gin, and cane neutral spirits	4	X	D	D	7	X	33.5	157 001
31214013	Distillers' dried grains, dark and light, and dried solubles	N	X	X	125 365	N	X	X	N
3121401351	Distillers' dried grains, dark and light, and dried solubles	13	X	S	125 365	14	X	1 900.8	212 515
3121401Y	Distilled liquor, except brandy, nsk	N	X	X	18 091	N	X	X	N
3121401YVV	Distilled liquor, except brandy, nsk	N	X	X	18 091	N	X	X	972
3121404	Bottled liquor, except brandy	N	X	X	2 621 726	N	X	X	2 583 951
31214041	Bottled unprocessed whiskey	N	X	X	650 865	N	X	X	N
3121404111	Bottled unprocessed whiskey	8	X	46.0	650 865	7	X	27.4	342 675
31214042	Bottled blends of whiskey without neutral spirits	N	X	X	110 719	N	X	X	N
3121404221	Bottled blends of whiskey without neutral spirits	8	X	14.4	110 719	11	X	23.7	222 225
31214043	Bottled blends of whiskey with neutral spirits	N	X	X	47 885	N	X	X	N
3121404331	Bottled blends of whiskey with neutral spirits	8	X	16.5	47 885	12	X	8.0	70 380
31214044	Other bottled whiskey	N	X	X	309 620	N	X	X	N
3121404441	Other bottled whiskey	13	X	27.7	309 620	16	X	36.4	419 938
31214045	Bottled gin	N	X	X	67 724	N	X	X	N
3121404551	Bottled gin	12	X	13.2	67 724	16	X	33.9	182 452
31214046	Bottled cordials, liqueurs	N	X	X	431 630	N	X	X	N
3121404661	Bottled cordials, liqueurs	14	X	28.4	431 630	17	X	39.8	407 472
31214047	Bottled cocktails and similar compounds	N	X	X	42 643	N	X	X	N
3121404771	Bottled cocktails and similar compounds	5	X	S	42 643	6	X	D	D
31214048	Bottled vodka	N	X	X	382 801	N	X	X	N
3121404881	Bottled vodka	15	X	33.6	382 801	19	X	81.7	351 689
31214049	All other bottled liquor except brandy	N	X	X	385 027	N	X	X	N
3121404991	Bottled rum	9	X	S	95 339	17	X	19.9	55 820
31214049A1	Other bottled liquors (excluding bottled in bond)	10	X	14.3	142 092	17	X	11.8	113 489
31214049B1	Bottled in bond liquors	3	X	S	147 596	5	X	D	D
3121404Y	Bottled liquor, except brandy, nsk	N	X	X	192 812	N	X	X	N
3121404YVV	Bottled liquor, except brandy, nsk	N	X	X	192 812	N	X	X	1 700

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
312140	Distillery products—Con.								
312140W	Distilled and blended liquors, nsk, total	N	X	X	54 524	N	X	X	27 922
312140WY	Distilled and blended liquors, nsk, total	N	X	X	54 524	N	X	X	N
312140WYWW	Distilled and blended liquors, nsk, for nonadministrative-record establishments	N	X	X	41 828	N	X	X	25 333
312140WYWY	Distilled and blended liquors, nsk, for administrative-record establishments	N	X	X	12 696	N	X	X	2 589
312210	Unstemmed, stemmed, and redried tobacco	N	X	X	3 129 196	N	X	X	N
3122101	Unstemmed leaf tobacco, redried before packing	N	X	X	104 353	N	X	X	D
31221011	Unstemmed leaf tobacco, redried before packing	N	X	X	104 353	N	X	X	N
3122101100	Unstemmed leaf tobacco, redried before packing, mil lb..	8	X	42.2	104 353	9	X	D	D
3122104	Tobacco, stemmed	N	X	X	3 024 843	N	X	X	3 067 916
31221041	Tobacco, stemmed	N	X	X	3 024 843	N	X	X	N
3122104111	Stemmed tobacco, packed for sale as such, aged leaf, mil lb..	6	X	231.9	406 290	8	X	225.3	371 611
3122104121	Stemmed tobacco, packed for sale as such, not aged leaf, mil lb..	7	X	815.2	2 162 638	12	X	820.2	2 164 624
3122104131	Stemmed tobacco, packed for use in own manufacturing (interplant transfers), including both aged and not aged leaf, mil lb..	7	X	210.5	455 915	3	X	219.6	531 681
3122104Y	Tobacco, stemmed, nsk	N	X	X	—	N	X	X	N
3122104YWV	Tobacco, stemmed, nsk	N	X	X	—	N	X	X	—
312210W	Unstemmed, stemmed, and redried tobacco, nsk, total	N	X	X	—	N	X	X	N
312210WY	Unstemmed, stemmed, and redried tobacco, nsk, total	N	X	X	—	N	X	X	N
312210WYWW	Unstemmed, stemmed, and redried, nsk for nonadministrative-record establishments	N	X	X	—	N	X	X	N
312210WYWY	Unstemmed, stemmed, and redried tobacco, nsk, for administrative-record establishments	N	X	X	—	N	X	X	N
312221	Cigarettes	N	X	X	28 258 382	N	X	X	28 839 444
3122210	Cigarettes, including nontobacco cigarettes	N	X	X	28 258 382	N	X	X	28 839 444
31222101	Cigarettes, including nontobacco cigarettes	N	X	X	28 258 382	N	X	X	N
3122210111	Filter tip cigarettes, including nontobacco cigarettes, 80 millimeters long or less	3	X	D	D	3	X	D	D
3122210121	Filter tip cigarettes, including nontobacco cigarettes, 85 millimeters long	8	X	368.3	14 795 533	7	X	368.0	14 395 059
3122210131	Filter tip cigarettes, including nontobacco cigarettes, 100 millimeters or more long	7	X	D	D	8	X	D	D
3122210141	Nonfilter tip cigarettes, including nontobacco cigarettes	6	X	10.2	407 005	7	X	18.3	755 820
3122210Y	Cigarettes, including nontobacco cigarettes, nsk, total	N	X	X	—	N	X	X	N
3122210YWW	Cigarettes, including nontobacco cigarettes, nsk, for nonadministrative-record establishments	N	X	X	—	N	X	X	—
3122210YWY	Cigarettes, including nontobacco cigarettes, nsk, for administrative-record establishments	N	X	X	—	N	X	X	—
312229	Other tobacco products	N	X	X	3 985 043	N	X	X	N
3122291	Cigars	N	X	X	D	N	X	X	N
31222911	Cigars	N	X	X	D	N	X	X	N
3122291111	Little cigars, cigarette-size, weighing less than 3 lb per 1,000 cigars	8	X	D	D	6	X	1 272.0	23 681
3122291121	Cigarillos weighing 3 to 10 lb per 1,000 cigars	14	X	D	D	7	X	537.4	61 590
3122291131	Cigars weighing more than 10 lb per 1,000 cigars	19	X	3 311.3	593 902	20	X	1 444.4	179 348
3122291Y	Cigars, nsk	N	X	X	—	N	X	X	N
3122291YWV	Cigars, nsk	N	X	X	—	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
312229	Other tobacco products— Con.								
3122294	Chewing and smoking tobacco	N	X	X	2 225 631	N	X	X	N
31222941	Smoking tobacco	N	X	X	366 480	N	X	X	N
3122294111	Smoking tobacco mil lb..	13	X	75.9	366 480	13	X	29.4	154 587
31222942	Looseleaf chewing tobacco, snuff, and all chewing tobacco	N	X	X	1 859 151	N	X	X	N
3122294221	Looseleaf chewing tobacco mil lb..	6	X	D	D	9	X	D	D
3122294231	Snuff, dry and moist mil lb..	6	X	D	D	5	X	D	D
3122294241	All other chewing tobacco, including fine cut chewing, twist chewing, plug chewing, etc. mil lb..	5	X	15.7	144 398	5	X	20.2	185 413
3122294Y	Chewing and smoking tobacco, nsk	N	X	X	—	N	X	X	N
3122294YVV	Chewing and smoking tobacco, nsk	N	X	X	—	N	X	X	N
3122297	Reconstituted tobacco (processed sheet and homogenized)	N	X	X	D	N	X	X	D
31222971	Reconstituted tobacco (processed sheet and homogenized)	N	X	X	D	N	X	X	N
3122297100	Reconstituted tobacco (processed sheet and homogenized) mil lb..	4	X	D	D	8	X	D	D
312229W	Other tobacco products, nsk, total	N	X	X	3 972	N	X	X	N
312229WY	Other tobacco product manufacturing, nsk, total	N	X	X	3 972	N	X	X	N
312229WYWW	Other tobacco product manufacturing, nsk, for nonadministrative-record establishments	N	X	X	1 867	N	X	X	N
312229WYWY	Other tobacco product manufacturing, nsk, for administrative-record establishments	N	X	X	2 105	N	X	X	N
313111	Spun yarns	N	X	X	8 714 457	N	X	X	N
3131111	Carded cotton yarns @	N	X	X	3 633 066	N	X	X	2 761 283
31311111	Carded cotton yarns, spun gray	N	X	X	2 199 053	N	X	X	N
3131111111	Carded cotton yarns, gray mil lb..	55	3 858.7	1 621.6	2 199 053	62	3 290.6	1 284.7	1 770 686
31311112	Carded cotton yarns, spun and finished in the same establishment	N	X	X	1 433 994	N	X	X	N
3131111221	Carded cotton yarns, spun and finished in the same establishment mil lb..	18	X	S	1 433 994	15	X	702.2	989 131
3131111Y	Carded cotton yarns, nsk	N	X	X	19	N	X	X	N
3131111YVV	Carded cotton yarns, nsk	N	X	X	19	N	X	X	1 466
3131113	Combed cotton yarns @	N	X	X	645 919	N	X	X	627 419
31311131	Combed cotton yarns	N	X	X	645 570	N	X	X	N
3131113111	Combed cotton yarns, spun gray	24	469.4	318.5	578 422	21	425.9	272.5	557 720
3131113121	Combed cotton yarns, spun and finished in the same establishment mil lb..	6	X	40.2	67 148	8	X	30.1	69 699
3131113Y	Combed cotton yarns, nsk	N	X	X	349	N	X	X	N
3131113YVV	Combed cotton yarns, nsk	N	X	X	349	N	X	X	—
3131115	Rayon, acetate, and-or lyocell spun yarns @	N	X	X	247 992	N	X	X	247 683
31311151	Rayon, acetate, and-or lyocell spun yarns	N	X	X	247 042	N	X	X	N
3131115111	Rayon, acetate, and-or lyocell spun yarns, spun gray	28	129.9	68.6	238 506	27	D	D	D
3131115121	Rayon, acetate, and-or lyocell spun yarns, spun and finished in the same establishment mil lb..	7	X	3.2	8 536	3	X	D	D
3131115Y	Rayon, acetate, and-or lyocell spun yarns, nsk	N	X	X	950	N	X	X	N
3131115YVV	Rayon, acetate, and-or lyocell spun yarns, nsk	N	X	X	950	N	X	X	1 052
3131117	Spun noncellulosic fiber and silk yarns @	N	X	X	3 694 149	N	X	X	3 824 179
31311171	Polyester spun yarn, spun gray	N	X	X	1 327 292	N	X	X	N
3131117111	Polyester spun yarn, spun gray mil lb..	42	2 037.7	469.2	1 327 292	70	2 036.5	756.1	1 216 274
31311172	Polyester spun yarn, spun and finished in the same establishment	N	X	X	465 475	N	X	X	N
3131117221	Polyester spun yarn, spun and finished in the same establishment mil lb..	27	X	186.0	465 475	22	X	353.7	508 720
31311173	All other spun noncellulosic fibers and silk yarns, spun gray	N	X	X	1 110 627	N	X	X	N
3131117331	All other spun noncellulosic fibers and silk yarns, spun gray mil lb..	40	1 091.1	P372.9	1 110 627	52	1 215.4	838.0	1 427 616
31311174	All other spun noncellulosic fibers and silk yarns, spun and finished in the same establishment	N	X	X	788 969	N	X	X	N
3131117441	All other spun noncellulosic fibers and silk yarns, spun and finished in the same establishment mil lb..	22	X	508.5	788 969	29	X	395.5	669 768

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
313111	Spun yarns—Con.								
3131117	Spun noncellulosic fiber and silk yarns @—Con.								
3131117Y	Spun noncellulosic fiber and silk yarns, nsk	N	X	X	1 786	N	X	X	N
3131117YV	Spun noncellulosic fiber and silk yarns, nsk	N	X	X	1 786	N	X	X	1 801
3131119	Wool yarns @	N	X	X	265 659	N	X	X	258 101
31311191	Wool yarns	N	X	X	262 842	N	X	X	N
3131119111	Wool yarns, except carpet yarns (including new, reused, and reprocessed wool)	22	116.3	D	D	34	114.6	P51.8	215 382
3131119121	Wool carpet (weaving and tufting) yarns, including new, reused, and reprocessed wool	4	D	D	D	8	17.7	14.8	38 594
3131119Y	Wool yarns, nsk	N	X	X	2 817	N	X	X	N
3131119YV	Wool yarns, nsk	N	X	X	2 817	N	X	X	4 125
313111A	Jute and linen yarns	N	X	X	D	N	X	X	N
313111A1	Jute and linen yarns	N	X	X	D	N	X	X	N
313111A111	Jute yarns	1	X	X	D	N	X	X	N
313111A121	Linen yarns	3	X	X	D	N	X	X	N
313111AY	Jute and linen yarns, nsk	N	X	X	—	N	X	X	N
313111AYV	Jute and linen yarns, nsk	N	X	X	—	N	X	X	N
313111C	Scouring and combing mill products @	N	X	X	D	N	X	X	N
313111C1	Scouring and combing mill products	N	X	X	D	N	X	X	N
313111C111	Scouring and combing mill products, tops and noils, including top or sliver converted from tow without combing	6	X	S	D	4	X	1.0	31 364
313111C121	Scouring and combing mill products, scoured wool and other scouring and combing mill products, including nubs and slubs, etc.	8	X	D	D	5	X	16.4	29 379
313111CY	Scouring and combing mill products, nsk	N	X	X	—	N	X	X	N
313111CYV	Scouring and combing mill products, nsk	N	X	X	—	N	X	X	N
313111W	Yarn spinning mills, nsk, total	N	X	X	105 040	N	X	X	N
313111WY	Yarn spinning mills, nsk, for nonadministrative-record establishments	N	X	X	105 040	N	X	X	N
313111WYV	Yarn spinning mills, nsk, for nonadministrative-record establishments	N	X	X	52 616	N	X	X	N
313111WYV	Yarn spinning mills, nsk, for administrative-record establishments	N	X	X	52 424	N	X	X	N
313112	Textured, thrown, plied, and twisted yarns	N	X	X	4 421 632	N	X	X	N
3131121	Novelty and plied yarns, other than wool (not spun or thrown at the same establishment)	N	X	X	156 841	N	X	X	N
31311211	Novelty and plied yarns, other than wool (not spun or thrown at the same establishment)	N	X	X	156 841	N	X	X	N
3131121111	Novelty yarns, other than wool, not spun or thrown at the same establishment	7	X	X	65 141	N	X	X	N
3131121121	Plied yarns, other than wool (not spun or thrown at the same establishment)	9	X	S	91 700	8	X	34.0	79 663
3131121Y	Novelty and plied yarns, other than wool (not spun or thrown at the same establishment), nsk	N	X	X	—	N	X	X	N
3131121YV	Novelty and plied yarns, other than wool (not spun or thrown at the same establishment), nsk	N	X	X	—	N	X	X	N
3131123	Thrown filament yarns, except textured	N	X	X	1 023 930	N	X	X	332 696
31311231	Thrown filament yarns, except textured, nylon yarns	N	X	X	723 458	N	X	X	N
3131123111	Thrown filament yarns, except textured, nylon yarns	32	X	371.5	723 458	22	X	76.0	188 323
31311232	Thrown filament yarns, except textured, polyester and all other thrown yarns	N	X	X	292 601	N	X	X	N
3131123221	Thrown filament yarns, except textured, polyester yarns	28	X	983.8	168 997	20	X	928.3	83 191
3131123231	Thrown filament yarns, except textured, all other thrown yarns	13	X	963.7	123 604	15	X	33.7	55 263
3131123Y	Thrown filament yarns, except textured, nsk	N	X	X	7 871	N	X	X	N
3131123YV	Thrown filament yarns, except textured, nsk	N	X	X	7 871	N	X	X	5 919

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313112	Textured, thrown, plied, and twisted yarns—Con.								
3131125	Textured, crimped, or bulked filament yarns, including stretch yarn (made from purchased filament yarn) @	N	X	X	3 092 822	N	X	X	2 376 826
31311251	Textured, crimped, or bulked filament yarns, including stretch yarn (made from purchased filament yarn)	N	X	X	3 092 822	N	X	X	N
3131125100	Textured, crimped, or bulked filament yarns, including stretch yarn (made from purchased filament yarn) \$ mil lb..	44	3 609.4	2 223.6	3 092 822	46	1 752.3	1 264.2	2 376 826
3131127	Commission receipts for throwing or texturing of filament yarns	N	X	X	43 213	N	X	X	N
31311271	Commission receipts for throwing or texturing of filament yarns	N	X	X	43 213	N	X	X	N
3131127100	Commission receipts for throwing or texturing of filament yarns	17	X	X	43 213	N	X	X	N
313112W	Textured, thrown, plied, and twisted yarns, nsk, total	N	X	X	104 826	N	X	X	N
313112WY	Textured, thrown, plied, and twisted yarns, nsk, total	N	X	X	104 826	N	X	X	N
313112WYWW	Textured, thrown, plied, and twisted yarns, nsk, for nonadministrative-record establishments	N	X	X	77 738	N	X	X	N
313112WYWY	Textured, thrown, plied, and twisted yarns, nsk, for administrative-record establishments	N	X	X	27 088	N	X	X	N
313113	Thread.....	N	X	X	702 519	N	X	X	N
3131130	Thread	N	X	X	702 519	N	X	X	N
31311301	Thread	N	X	X	688 581	N	X	X	N
3131130111	Spun yarn thread, cotton, finished, for use in the home	3	X	D	D	N	X	X	N
3131130121	Spun yarn thread, cotton, finished, for industrial or manufacturers' use (excluding cordage products, such as bag thread, string, and twine)	12	X	9103.2	150 305	N	X	X	N
3131130131	Spun yarn thread, manmade fiber and other fibers, including silk, finished, for use in the home	2	X	D	D	N	X	X	N
3131130141	Spun yarn thread, manmade fiber and other fibers, including silk, finished, for industrial or manufacturers' use (excluding cordage products, such as bag thread, string, and twine)	9	X	916.4	70 050	N	X	X	N
3131130151	Filament yarn thread, manmade fiber and other fibers, including silk, finished, for use in the home	1	X	D	D	N	X	X	N
3131130161	Filament yarn thread, manmade fiber and other fibers, including silk, finished, for industrial or manufacturers' use (excluding cordage products, such as bag thread, string, and twine)	8	X	P35.8	196 217	N	X	X	N
3131130171	Core thread, cotton sheath, finished thread for use in the home	—	X	—	—	N	X	X	N
3131130181	Core thread, cotton sheath, finished thread for industrial or manufacturers' use	1	X	D	D	N	X	X	N
3131130191	Core thread, manmade sheath, finished thread for use in the home	—	X	—	—	N	X	X	N
31311301A1	Core thread, manmade sheath, finished thread for industrial or manufacturers' use	3	X	D	D	N	X	X	N
31311301C1	Unfinished thread shipped or transferred to other plants for finishing	1	X	D	D	3	X	D	D
31311301D1	Linen thread	1	X	X	D	N	X	X	N
3131130Y	Thread mills, nsk, total	N	X	X	13 938	N	X	X	N
3131130YWW	Thread mills, nsk, for nonadministrative-record establishments	N	X	X	6 327	N	X	X	N
3131130YWY	Thread mills, nsk, for administrative-record establishments	N	X	X	7 611	N	X	X	N
313210	Broadwoven fabrics	N	X	X	17 405 307	N	X	X	N
3132101	Cotton broadwoven plain weave fabrics (except pile) (gray goods) @	N	X	X	975 740	N	X	X	941 436
31321011	Cotton broadwoven plain weave fabrics (except pile) (gray goods)	N	X	X	975 740	N	X	X	N
3132101100	Cotton broadwoven plain weave fabrics (except pile) (gray goods) mil sq yd..	43	P2 474.2	2 336.8	975 740	45	2 239.9	1 152.0	941 436

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313210	Broadwoven fabrics—Con.								
3132103	Cotton broadwoven twill weave fabrics (except pile) (gray goods) @	N	X	X	2 193 692	N	X	X	1 381 677
31321031	Cotton broadwoven twill weave fabrics (except pile) (gray goods)	N	X	X	2 193 692	N	X	X	N
3132103100	Cotton broadwoven twill weave fabrics (except pile) (gray goods) mil sq yd..	29	P1 818.3	1 521.3	2 193 692	28	1 460.2	1 036.5	1 381 677
3132105	Cotton broadwoven fabrics, weaves other than plain, twill, or pile (gray goods) @	N	X	X	427 642	N	X	X	535 135
31321051	Cotton broadwoven fabrics, weaves other than plain, twill, or pile (gray goods)	N	X	X	427 642	N	X	X	N
3132105100	Cotton broadwoven fabrics, weaves other than plain, twill, or pile (gray goods) mil sq yd..	40	Q373.4	Q338.8	427 642	34	469.1	386.9	535 135
3132107	Cotton broadwoven pile fabrics (gray goods) @	N	X	X	375 689	N	X	X	300 859
31321071	Cotton broadwoven pile fabrics (gray goods)	N	X	X	375 689	N	X	X	N
3132107100	Cotton broadwoven pile fabrics (gray goods) mil sq yd..	9	Q433.5	S	375 689	14	474.0	335.5	300 859
3132109	Finished cotton broadwoven fabrics (finished in weaving mills)	N	X	X	682 361	N	X	X	1 253 595
31321091	Finished cotton broadwoven fabrics (finished in weaving mills)	N	X	X	680 319	N	X	X	N
3132109111	Finished cotton broadwoven print cloth (finished in weaving mills) \$ mil fin sq yd..	6	X	35.2	42 745	6	X	D	D
3132109121	Finished cotton broadwoven poplin and broadcloth (finished in weaving mills) \$ mil fin sq yd..	1	X	D	D	1	X	D	D
3132109131	Finished cotton broadwoven sheeting, plain weave, including bedsheeting and osnaburgs (finished in weaving mills) \$ mil fin sq yd..	1	X	D	D	4	X	D	D
3132109141	Finished cotton broadwoven tobacco, cheese, and bandage cloth (finished in weaving mills) \$ mil fin sq yd..	1	X	D	D	1	X	D	D
3132109151	Finished cotton broadwoven fabrics, other plain weave fabrics (except pile), including lawns, voiles, batistes, and duck (finished in weaving mills) \$ mil fin sq yd..	2	X	D	D	N	X	X	N
3132109161	Finished cotton broadwoven twill weave fabrics (finished in weaving mills) \$ mil fin sq yd..	7	X	206.4	387 280	9	X	490.1	752 911
3132109171	Finished cotton broadwoven fabrics, weaves other than plain, twill, and pile, including sateens, oxfords, table damask, jacquard, and dobby shirting (finished in weaving mills) \$ mil fin sq yd..	4	X	24.4	40 482	N	X	X	N
3132109181	Finished cotton broadwoven pile fabrics, including velvets, plushes, corduroy, terry toweling, and terry cloth, (finished in weaving mills) \$ mil fin sq yd..	6	X	Q38.6	98 599	6	X	D	D
3132109Y	Finished cotton broadwoven fabrics (finished in weaving mills), nsk	N	X	X	2 042	N	X	X	N
3132109YVW	Finished cotton broadwoven fabrics (finished in weaving mills), nsk	N	X	X	2 042	N	X	X	2 600
313210B	Cotton towels and washcloths (made in weaving mills)	N	X	X	685 656	N	X	X	731 630
313210B1	Cotton towels and washcloths (made in weaving mills)	N	X	X	675 791	N	X	X	N
313210B110	Cotton terry towels and washcloths, including other pile (made in weaving mills) \$ mil fin sq yd..	3	X	X	675 791	6	X	X	D
313210B120	Other cotton towels and washcloths, including huck and crash (made in weaving mills) \$ mil fin sq yd..	—	X	X	—	1	X	X	D
313210BY	Cotton towels and washcloths (made in weaving mills), nsk	N	X	X	9 865	N	X	X	N
313210BYVW	Cotton towels and washcloths (made in weaving mills), nsk	N	X	X	9 865	N	X	X	—
313210C	Fabricated cotton textile products (except towels and washcloths) (made in weaving mills)	N	X	X	505 677	N	X	X	497 620
313210C1	Fabricated cotton textile products (except towels and washcloths) (made in weaving mills)	N	X	X	494 899	N	X	X	N
313210C110	Sheets and pillowcases, chiefly cotton (made in weaving mills) \$ mil fin sq yd..	3	X	X	455 066	5	X	X	D
313210C120	Bedspreads, chiefly cotton (made in weaving mills) \$ mil fin sq yd..	2	X	X	D	N	X	X	N
313210C130	Comforters and quilts, chiefly cotton (made in weaving mills) \$ mil fin sq yd..	5	X	X	11 389	N	X	X	N
313210C141	Other fabricated cotton textile products, made in weaving mills	8	X	X	D	N	X	X	N

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313210	Broadwoven fabrics—Con.								
313210C	Fabricated cotton textile products (except towels and washcloths) (made in weaving mills)—Con.								
313210CY	Fabricated cotton textile products (except towels and washcloths) (made in weaving mills), nsk	N	X	X	10 778	N	X	X	N
313210CYWV	Fabricated cotton textile products (except towels and washcloths) (made in weaving mills), nsk	N	X	X	10 778	N	X	X	—
313210E	Manmade fiber broadwoven fabrics of 85 percent or more filament yarns, chiefly rayon, acetate, and/or lyocell (gray goods) @	N	X	X	540 475	N	X	X	639 686
313210E1	Manmade fiber broadwoven fabrics of 85 percent or more filament yarns, chiefly rayon, acetate, and/or lyocell (gray goods)	N	X	X	540 475	N	X	X	N
313210E100	Manmade fiber broadwoven fabrics of 85 percent or more filament yarns, chiefly rayon, acetate, and/or lyocell (gray goods)	26	632.4	569.2	540 475	29	799.9	710.9	639 686
313210G	Manmade fiber broadwoven fabrics of 85 percent or more filament yarns (except rayon, acetate, and/or lyocell) (gray goods) @	N	X	X	3 167 653	N	X	X	2 222 868
313210G1	Manmade fiber broadwoven fabrics of 85 percent or more filament yarns (except rayon, acetate, and/or lyocell) (gray goods)	N	X	X	3 167 653	N	X	X	N
313210G100	Manmade fiber broadwoven fabrics of 85 percent or more filament yarns (except rayon, acetate, and/or lyocell) (gray goods)	67	321.2	785.1	3 167 653	71	4 955.7	4 053.7	2 222 868
313210H	Manmade fiber broadwoven plain weave fabrics, of 85 percent or more spun yarns (except pile), excluding wool blends (gray goods) @	N	X	X	1 166 604	N	X	X	1 952 706
313210H1	Manmade fiber broadwoven plain weave fabrics, of 85 percent or more spun yarns (except pile), excluding wool blends (gray goods)	N	X	X	1 166 604	N	X	X	N
313210H100	Manmade fiber broadwoven plain weave fabrics, of 85 percent or more spun yarns (except pile), excluding wool blends (gray goods)	35	2 094.9	1 906.2	1 166 604	48	3 394.5	3 038.1	1 952 706
313210J	Manmade fiber broadwoven twill weave fabrics, of 85 percent or more spun yarns (except pile), excluding wool blends (gray goods) @	N	X	X	199 999	N	X	X	301 704
313210J1	Manmade fiber broadwoven twill weave fabrics, of 85 percent or more spun yarns (except pile), excluding wool blends (gray goods)	N	X	X	199 999	N	X	X	N
313210J100	Manmade fiber broadwoven twill weave fabrics, of 85 percent or more spun yarns (except pile), excluding wool blends (gray goods)	20	299.8	232.8	199 999	21	454.3	305.2	301 704
313210L	Manmade fiber broadwoven fabrics, of weaves other than plain, twill, and pile, of 85 percent or more spun yarn, excluding wool blends (gray goods) @	N	X	X	718 496	N	X	X	359 440
313210L1	Manmade fiber broadwoven fabrics, of weaves other than plain, twill, and pile, of 85 percent or more spun yarn, excluding wool blends (gray goods)	N	X	X	718 496	N	X	X	N
313210L100	Manmade fiber broadwoven fabrics, of weaves other than plain, twill, and pile, of 85 percent or more spun yarn, excluding wool blends (gray goods)	36	S	S	718 496	37	350.9	328.2	359 440
313210M	Manmade fiber broadwoven fabrics, combinations of spun and filament yarns (except wool blends), each less than 85 percent of total fiber content (gray goods) @	N	X	X	1 497 959	N	X	X	1 009 332
313210M1	Manmade fiber broadwoven fabrics, combinations of spun yarn and filament yarns (except wool blends) each less than 85 percent of total fiber content (gray goods)	N	X	X	1 497 959	N	X	X	N
313210M100	Manmade fiber broadwoven fabrics, combinations of spun and filament yarns (except wool blends), each less than 85 percent of total fiber content (gray goods)	35	S	1 883.6	1 497 959	36	1 285.4	1 253.7	1 009 332

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313210	Broadwoven fabrics—Con.								
313210N	Other broadwoven fabrics of manmade fibers including pile; and broadwoven fabrics of silk and natural fibers (except cotton) (gray goods) @	N	X	X	375 539	N	X	X	N
313210N1	Other broadwoven fabrics of manmade fibers including pile; and broadwoven fabrics of silk and natural fibers (except cotton) (gray goods)	N	X	X	375 539	N	X	X	N
313210N111	Manmade fiber and silk broadwoven pile fabrics (gray goods) mil sq yd..	7	69.4	922.0	98 382	8	51.5	40.2	142 174
313210N121	Other broadwoven fabrics of manmade fibers including wool blends, and broadwoven fabrics of silk and natural fibers (except cotton) (gray goods) mil sq yd..	11	X	172.0	277 157	N	X	X	N
313210NY	Other broadwoven fabrics of manmade fibers including pile; and broadwoven fabrics of silk and natural fibers (except cotton) (gray goods), nsk	N	X	X	—	N	X	X	N
313210NYWV	Other broadwoven fabrics of manmade fibers including pile; and broadwoven fabrics of silk and natural fibers (except cotton) (gray goods), nsk	N	X	X	—	N	X	X	N
313210P	Finished manmade fiber and silk broadwoven fabrics (finished in weaving mills)	N	X	X	1 789 850	N	X	X	1 290 996
313210P1	Finished manmade fiber and silk broadwoven fabrics (finished in weaving mills)	N	X	X	1 635 267	N	X	X	N
313210P111	Finished manmade fiber broadwoven print cloth, of 85 percent or more spun yarns (finished in weaving mills) \$ mil fin sq yd..	9	X	9122.5	261 437	4	X	P16.5	37 836
313210P121	Finished manmade fiber broadwoven poplin and broadcloth, of 85 percent or more spun yarns (finished in weaving mills) \$ mil fin sq yd..	2	X	D	D	5	X	D	D
313210P131	Finished manmade fiber broadwoven sheeting, plain weave, including bedsheeting and osnaburgs, of 85 percent or more spun yarns (finished in weaving mills) \$ mil fin sq yd..	1	X	D	D	2	X	D	D
313210P141	Finished manmade fiber broadwoven fabrics, other plain weave fabrics (except pile), including lawns, voiles, and batistes, of 85 percent or more spun yarns, (finished in weaving mills) \$ mil fin sq yd..	2	X	D	D	N	X	X	N
313210P151	Finished manmade fiber broadwoven twill weave fabrics, of 85 percent or more spun yarns (finished in weaving mills) \$ mil fin sq yd..	3	X	D	D	8	X	149.2	322 703
313210P161	Finished manmade fiber broadwoven sateen fabrics, of 85 percent or more spun yarns (finished in weaving mills) \$ mil fin sq yd..	3	X	9.9	10 616	2	X	D	D
313210P171	Finished manmade fiber broadwoven fabrics, weaves other than plain, twill, sateen, and pile, of 85 percent or more spun yarns (finished in weaving mills) \$ mil fin sq yd..	5	X	S	152 123	4	X	133.7	180 933
313210P181	Finished manmade fiber broadwoven pile fabrics, including velvets, plushes, and corduroys, of 85 percent or more spun yarns (finished in weaving mills) \$ mil fin sq yd..	8	X	948.3	168 983	5	X	19.9	49 245
313210P191	Finished rayon, acetate, and/or lyocell broadwoven fabrics, of 85 percent or more filament yarns (finished in weaving mills) \$ mil fin sq yd..	3	X	912.7	10 282	3	X	D	D
313210P1B1	Finished polyester broadwoven fabrics, of 85 percent or more filament yarns (finished in weaving mills) \$ mil fin sq yd..	12	X	S	356 450	13	X	74.2	145 888
313210P1D1	Finished broadwoven fabrics of manmade fibers other than rayon, acetate, lyocell, or polyester, of 85 percent or more filament yarns (finished in weaving mills) \$ mil fin sq yd..	9	X	P142.2	194 123	7	X	149.4	197 579
313210P1F1	Other finished broadwoven fabrics, including combinations of spun and filament yarns, blends with wool, silk, and blends with silk (finished in weaving mills) \$ mil fin sq yd..	7	X	S	323 644	7	X	D	D
313210PY	Finished manmade fiber and silk broadwoven fabrics (finished in weaving mills), nsk	N	X	X	154 583	N	X	X	N
313210PYWV	Finished manmade fiber and silk broadwoven fabrics (finished in weaving mills), nsk	N	X	X	154 583	N	X	X	4 324

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
313210	Broadwoven fabrics—Con.								
313210Q	Sheets and pillowcases, wholly or chiefly manmade fibers and silk (made in weaving mills)	N	X	X	D	N	X	X	D
313210Q0	Sheets and pillowcases, wholly or chiefly manmade fibers and silk (made in weaving mills)	N	X	X	D	N	X	X	N
313210Q000	Sheets and pillowcases, wholly or chiefly manmade fibers and silk (made in weaving mills) \$	1	X	X	D	3	X	X	D
313210R	Fabricated manmade fiber and silk textile products (except sheets and pillowcases) (made in weaving mills)	N	X	X	D	N	X	X	D
313210R1	Fabricated manmade fiber and silk textile products (except sheets and pillowcases) (made in weaving mills)	N	X	X	D	N	X	X	N
313210R111	Bedspreads, chiefly manmade fibers or silk (made in weaving mills) \$	—	X	X	—	N	X	X	N
313210R121	Comforters and quilts, chiefly manmade fibers or silk (made in weaving mills) \$	1	X	X	D	N	X	X	N
313210R131	Blankets (made in weaving mills) \$	8	X	X	147 712	N	X	X	N
313210R141	Other fabricated manmade fiber and silk textile products (made in weaving mills)	15	X	X	300 973	N	X	X	N
313210RY	Fabricated manmade fiber and silk textile products (except sheets and pillowcases) (made in weaving mills), nsk	N	X	X	9 853	N	X	X	N
313210RYWV	Fabricated manmade fiber and silk textile products (except sheets and pillowcases) (made in weaving mills), nsk	N	X	X	9 853	N	X	X	—
313210T	Wool broadwoven fabrics (gray goods) @	N	X	X	258 345	N	X	X	393 320
313210T1	Wool broadwoven fabrics (gray goods)	N	X	X	258 345	N	X	X	N
313210T100	Wool broadwoven fabrics (gray goods)	14	163.3	85.2	258 345	18	186.1	121.2	393 320
313210U	Finished broadwoven wool fabrics and felts (finished in weaving mill)	N	X	X	682 535	N	X	X	N
313210U1	Finished broadwoven wool fabrics and felts (finished in weaving mill)	N	X	X	682 535	N	X	X	N
313210U100	Finished broadwoven wool fabrics and felts (finished in weaving mill)	10	X	86.3	682 535	N	X	X	N
313210V	Fabricated textile products, 36 percent or more wool (made in weaving mills)	N	X	X	79 316	N	X	X	D
313210V1	Fabricated textile products, 36 percent or more wool (made in weaving mills)	N	X	X	79 316	N	X	X	N
313210V100	Fabricated textile products, 36 percent or more wool (made in weaving mills)	6	X	X	79 316	N	X	X	N
313210W	Broadwoven fabrics, nsk, total	N	X	X	542 159	N	X	X	N
313210WY	Broadwoven fabrics mills, nsk, total	N	X	X	542 159	N	X	X	N
313210WYWW	Broadwoven fabrics, nsk, for nonadministrative-record establishments	N	X	X	338 907	N	X	X	N
313210WYWY	Broadwoven fabrics, nsk, for administrative-record establishments	N	X	X	203 252	N	X	X	N
313221	Narrow fabrics	N	X	X	1 355 063	N	X	X	N
3132211	Woven narrow fabrics (12 inches or less in width)	N	X	X	930 998	N	X	X	N
31322111	Woven elastic narrow fabrics (12 inches or less in width)	N	X	X	187 968	N	X	X	N
3132211111	Woven elastic narrow fabrics for underwear, corsets, and other apparel	14	X	956.7	170 038	N	X	N	N
3132211121	Woven elastic narrow fabrics for uses other than underwear, corsets, and apparel	8	X	S	17 930	13	X	P110.5	25 464
31322112	Woven nonelastic labels, ribbons, and tape	N	X	X	420 789	N	X	X	N
3132211231	Woven nonelastic labels	21	X	6 306.3	197 153	18	X	95 406.7	141 983
3132211241	Woven nonelastic ribbons, woven edge	16	X	S	121 283	14	X	91 308.2	117 831
3132211251	Woven nonelastic apparel tape, including zipper	9	X	143.0	13 209	N	X	N	N
3132211261	Woven nonelastic tape, except apparel and zipper	19	X	991.4	89 144	10	X	D	D

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
313221	Narrow fabrics—Con.								
3132211	Woven narrow fabrics (12 inches or less in width)—Con.								
31322113	Woven nonelastic narrow fabrics and webbing, excluding labels, woven edge ribbons, and tape.....	N	X	X	273 086	N	X	X	N
3132211371	Woven nonelastic narrow fabrics and webbing, excluding labels, woven edge ribbons, and tape..... mil lin yd..	55	X	P2 392.7	273 086	N	X	N	N
3132211Y	Woven narrow fabrics (12 inches or less in width), nsk.....	N	X	X	49 155	N	X	X	N
3132211YVV	Woven narrow fabrics (12 inches or less in width), nsk.....	N	X	X	49 155	N	X	X	N
3132213	Braided narrow fabrics (12 inches or less in width).....	N	X	X	206 032	N	X	X	205 451
31322131	Braided narrow fabrics (12 inches or less in width).....	N	X	X	206 032	N	X	X	N
3132213111	Braided narrow fabrics (12 inches or less in width), elastic (flat, round, and tubular)..... mil lin yd..	12	X	576.0	40 709	16	X	644.7	47 102
3132213121	Braided nonelastic shoe and corset laces..... mil lin yd..	8	X	260.0	19 015	8	X	P479.9	35 010
3132213131	Braided nonelastic narrow fabrics, except shoe and corset laces..... mil lb..	25	X	35.2	146 308	20	X	Q29.5	109 816
3132213Y	Braided narrow fabrics (12 inches or less in width), nsk.....	N	X	X	—	N	X	X	N
3132213YVV	Braided narrow fabrics (12 inches or less in width), nsk.....	N	X	X	—	N	X	X	13 523
3132215	Covered rubber thread, made in narrow fabric mills.....	N	X	X	157 853	N	X	X	152 445
31322151	Covered rubber thread, made in narrow fabric mills.....	N	X	X	157 853	N	X	X	N
3132215100	Covered rubber thread, made in narrow fabric mills..... mil lb..	12	X	28.3	157 853	14	X	P23.3	152 445
313221W	Narrow fabric mills, nsk, total.....	N	X	X	60 180	N	X	X	N
313221WY	Narrow fabric mills, nsk, total.....	N	X	X	60 180	N	X	X	N
313221WYVV	Narrow fabric mills, nsk, for nonadministrative-record establishments.....	N	X	X	19 173	N	X	X	N
313221WYVY	Narrow fabric mills, nsk, for administrative-record establishments.....	N	X	X	41 007	N	X	X	N
313222	Schiffli machine embroideries.....	N	X	X	179 995	N	X	X	253 719
3132220	Schiffli machine embroideries.....	N	X	X	179 995	N	X	X	253 719
31322200	Schiffli machine embroideries.....	N	X	X	163 374	N	X	X	N
3132220000	Schiffli machine embroideries.....	113	X	X	163 374	N	X	X	N
3132220Y	Schiffli machine embroideries, nsk.....	N	X	X	16 621	N	X	X	N
3132220YVV	Schiffli machine embroideries, nsk, for nonadministrative-record establishments.....	N	X	X	10	N	X	X	N
3132220YVY	Schiffli machine embroideries, nsk., for administrative-record establishments.....	N	X	X	16 611	N	X	X	7 606
313230	Nonwoven fabrics.....	N	X	X	4 236 062	N	X	X	N
3132301	Nonwoven fabrics.....	N	X	X	2 784 259	N	X	X	2 510 320
31323011	Nonwoven fabrics.....	N	X	X	2 740 152	N	X	X	N
3132301111	Nonwoven fabrics, carded..... mil sq yd..	28	X	Q3 550.0	728 936	N	X	X	N
3132301121	Nonwoven fabrics, air laid..... mil sq yd..	8	X	3 304.3	101 483	N	X	X	N
3132301131	Nonwoven fabrics, wet laid..... mil sq yd..	16	X	S	511 930	N	X	X	N
3132301141	Nonwoven fabrics, spunbonded..... mil sq yd..	20	X	S	751 889	N	X	X	N
3132301151	Nonwoven fabrics, melt blown..... mil sq yd..	8	X	1 757.0	140 513	N	X	X	N
3132301161	Other nonwoven fabrics..... mil sq yd..	24	X	2 093.7	505 401	N	X	X	N
3132301Y	Nonwoven fabrics, nsk.....	N	X	X	44 107	N	X	X	N
3132301YVV	Nonwoven fabrics, nsk.....	N	X	X	44 107	N	X	X	103 899
3132303	Fabricated nonwoven products.....	N	X	X	838 357	N	X	X	901 236
31323031	Blankets, ribbons, and wipers made from nonwoven fabrics.....	N	X	X	376 335	N	X	X	N
3132303111	Blankets made from nonwoven fabrics..... 1,000 doz..	6	X	Q529.8	135 847	7	X	Q558.5	111 509
3132303121	Ribbons, for gift tyings, Christmas, made from nonwoven fabrics..... mil lin yd..	4	X	D	D	7	X	S	46 322
3132303131	Ribbons, for gift tyings (except Christmas) made from nonwoven fabrics..... mil lin yd..	9	X	P83.4	90 117	9	X	60.0	99 181
3132303141	Wipers made from nonwoven fabrics, including windshield, industrial, and lithographic..... 1,000 doz..	16	X	D	D	20	X	P213.8	116 483

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313230	Nonwoven fabrics—Con.								
3132303	Fabricated nonwoven products—Con.								
31323032	Fabricated nonwoven products, all other, excluding diapers and orthopedic, prosthetic, and surgical supplies	N	X	X	457 480	N	X	X	N
3132303251	Fabricated nonwoven products, all other, excluding diapers and orthopedic, prosthetic, and surgical supplies	27	X	X	457 480	29	X	X	521 898
3132303Y	Fabricated nonwoven products, nsk	N	X	X	4 542	N	X	X	N
3132303YVV	Fabricated nonwoven products, nsk	N	X	X	4 542	N	X	X	5 843
3132305	Pressed, punched, or needled felts (except hats)	N	X	X	537 688	N	X	X	644 955
31323051	Pressed felts (except hats)	N	X	X	101 209	N	X	X	N
3132305111	Pressed felts (except hats) mil lb.	14	X	2.9	101 209	14	X	7.1	148 004
31323052	Punched or needled felts, including stitch bonded, hair and-or jute felts, including carpet and rug linings and cushions (except hats)	N	X	X	27 468	N	X	X	N
3132305221	Punched or needled felts, including stitch bonded, hair and-or jute felts, including carpet and rug linings and cushions (except hats) mil sq yd.	7	X	S	27 468	10	X	20.8	93 576
31323053	Punched or needled felts, including stitch bonded, wool felts and manmade fiber felts, excluding carpet and rug suitable for outdoor use (indoor-outdoor) (except hats)	N	X	X	402 441	N	X	X	N
3132305331	Punched or needled felts, including stitch bonded, wool felts and manmade fiber felts, excluding carpet and rug suitable for outdoor use (indoor-outdoor) (except hats) mil lb.	30	X	S	402 441	34	X	301.8	400 993
3132305Y	Pressed, punched, or needled felts (except hats) nsk	N	X	X	6 570	N	X	X	N
3132305YVV	Pressed, punched, or needled felts (except hats) nsk	N	X	X	6 570	N	X	X	2 382
313230W	Nonwoven fabrics, nsk, total	N	X	X	75 758	N	X	X	N
313230WY	Nonwoven fabrics, nsk	N	X	X	75 758	N	X	X	N
313230WYWW	Nonwoven fabrics, nsk, for nonadministrative-record establishments	N	X	X	36 723	N	X	X	N
313230WYWY	Nonwoven fabrics, nsk, for administrative-record establishments	N	X	X	39 035	N	X	X	N
313241	Weft knit fabrics	N	X	X	3 177 558	N	X	X	N
3132411	Weft (circular) knit fabrics greige goods, except hosiery @	N	X	X	1 218 064	N	X	X	1 284 052
31324111	Weft (circular) knit fabrics greige goods (except hosiery), narrow fabrics (12 inches wide or less)	N	X	X	64 423	N	X	X	N
3132411111	Weft (circular) knit fabrics greige goods (except hosiery), narrow fabrics (12 inches wide or less) mil lb.	17	S	19.3	64 423	6	10.5	5.4	12 891
31324112	Weft (circular) knit fabrics greige goods (except hosiery), broad fabrics (more than 12 inches wide)	N	X	X	1 152 231	N	X	X	N
3132411221	Weft (circular) knit fabrics greige goods (except hosiery), broad fabrics (more than 12 inches wide) mil lb.	81	1 691.8	628.7	1 152 231	99	1 885.4	674.8	1 265 543
3132411Y	Weft (circular) knit fabrics greige goods (except hosiery), nsk	N	X	X	1 410	N	X	X	N
3132411YVV	Weft (circular) knit fabrics greige goods (except hosiery), nsk	N	X	X	1 410	N	X	X	5 618
3132413	Finished weft (circular) knit fabrics, except hosiery, finished in knitting mill	N	X	X	1 585 100	N	X	X	N
31324131	Finished weft (circular) knit fabrics (except hosiery)	N	X	X	1 545 100	N	X	X	N
3132413111	Finished weft (circular) knit fabrics (except hosiery), knit and finished in the same establishment, narrow (12 inches wide or less) mil fin lin yd.	15	X	S	64 962	10	X	S	37 161
3132413121	Finished weft (circular) knit fabrics (except hosiery), knit and finished in the same establishment, broad (more than 12 inches wide) mil fin lin yd.	65	X	647.1	1 480 138	78	X	649.5	1 863 656
3132413Y	Finished weft (circular) knit fabrics (except hosiery), nsk	N	X	X	40 000	N	X	X	N
3132413YVV	Finished weft (circular) knit fabrics (except hosiery), nsk	N	X	X	40 000	N	X	X	N

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313241	Weft knit fabrics—Con.								
3132415	Contract and commission receipts for knitting only or knitting and finishing weft (circular) knit fabrics	N	X	X	296 431	N	X	X	N
31324151	Contract and commission receipts for knitting only or knitting and finishing weft (circular) knit fabrics	N	X	X	271 240	N	X	X	N
3132415111	Contract and commission receipts for knitting only or knitting and finishing weft (circular) knit fabrics, narrow (12 inches wide or less)	4	X	X	12 192	4	X	X	15 502
3132415121	Contract and commission receipts for knitting only or knitting and finishing weft (circular) knit fabrics, broad (more than 12 inches wide)	71	X	X	259 048	52	X	X	223 448
3132415Y	Contract and commission receipts for knitting only or knitting and finishing weft (circular) knit fabrics, nsk	N	X	X	25 191	N	X	X	N
3132415YWV	Contract and commission receipts for knitting only or knitting and finishing weft (circular) knit fabrics, nsk, for nonadministrative-record establishments	N	X	X	24 162	N	X	X	17 383
3132415YWY	Contract and commission receipts for knitting only or knitting and finishing weft (circular) knit fabrics, nsk, for administrative-record establishments	N	X	X	1 029	N	X	X	3 758
313241W	Weft (circular) knit fabrics, nsk, total	N	X	X	77 963	N	X	X	N
313241WY	Weft (circular) knit fabrics, nsk, total	N	X	X	77 963	N	X	X	N
313241WYWV	Weft (circular) knit fabrics, nsk, for nonadministrative-record establishments	N	X	X	45 494	N	X	X	N
313241WYWY	Weft (circular) knit fabrics, nsk, for administrative-record establishments	N	X	X	32 469	N	X	X	N
313249	Other knit fabrics and lace	N	X	X	2 405 105	N	X	X	N
3132491	Warp knit fabrics greige goods @	N	X	X	633 654	N	X	X	454 342
31324911	Warp knit fabrics greige goods	N	X	X	633 654	N	X	X	N
3132491111	Warp knit fabrics greige goods, narrow fabrics (12 inches wide or less)	20	S	S	105 040	9	P25.7	14.2	30 393
3132491121	Warp knit fabrics greige goods, broad fabrics (more than 12 inches wide)	56	P553.8	268.0	528 614	52	313.2	139.5	423 949
3132491Y	Warp knit fabrics greige goods, nsk	N	X	X	—	N	X	X	N
3132491YWV	Warp knit fabrics greige goods, nsk	N	X	X	—	N	X	X	—
3132493	Finished warp knit fabrics, finished in knitting mill	N	X	X	1 486 521	N	X	X	N
31324931	Finished warp knit fabrics	N	X	X	1 481 394	N	X	X	N
3132493111	Finished warp knit fabrics, knit and finished in the same establishment, narrow (12 inches wide or less)	26	X	S	198 991	23	X	9443.8	125 322
3132493121	Finished warp knit fabrics, knit and finished in the same establishment, broad (more than 12 inches wide)	35	X	P476.3	1 282 403	38	X	316.3	726 818
3132493Y	Finished warp knit fabrics, nsk	N	X	X	5 127	N	X	X	N
3132493YWV	Finished warp knit fabrics, nsk	N	X	X	5 127	N	X	X	N
3132495	Lace and net goods, all leavers and nottingham lace machine products, including bobbins and barmen laces	N	X	X	43 182	N	X	X	55 669
31324951	Lace and net goods, all leavers and nottingham lace machine products, including bobbins and barmen laces	N	X	X	43 182	N	X	X	N
3132495100	Lace and net goods, all leavers and nottingham lace machine products, including bobbins and barmen laces	12	X	X	43 182	16	X	X	55 669
3132497	Contract and commission receipts for knitting only or knitting and finishing warp knit fabrics	N	X	X	82 093	N	X	X	N
31324971	Contract and commission receipts for knitting only or knitting and finishing of warp knit fabrics	N	X	X	80 807	N	X	X	N
3132497111	Contract and commission receipts for knitting only or knitting and finishing of narrow warp knit fabrics (12 inches wide or less)	6	X	X	6 181	5	X	X	2 355
3132497121	Contract and commission receipts for knitting only or knitting and finishing broad warp knit fabrics (more than 12 inches wide)	34	X	X	74 626	33	X	X	67 781

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
313249	Other knit fabrics and lace—Con.								
3132497	Contract and commission receipts for knitting only or knitting and finishing warp knit fabrics—Con.								
3132497Y	Contract and commission receipts for knitting only or knitting and finishing of warp knit fabrics, nsk	N	X	X	1 286	N	X	X	N
3132497YV	Contract and commission receipts for knitting only or knitting and finishing of warp knit fabrics, nsk, for nonadministrative-record establishments	N	X	X	1 252	N	X	X	N
3132497YVY	Contract and commission receipts for knitting only or knitting and finishing of warp knit fabrics, nsk, for administrative-record establishments	N	X	X	34	N	X	X	4 354
3132499	Nonapparel knit end products made in knitting mills, including towels and washcloths	N	X	X	109 001	N	X	X	N
31324991	Knit products (made in knitting mills), nonapparel knit end products (except fabrics), including towels and washcloths	N	X	X	109 001	N	X	X	N
3132499100	Knit products (made in knitting mills), nonapparel knit end products (except fabrics), including towels and washcloths	17	X	X	109 001	N	X	X	N
313249W	Other knit fabrics and lace, nsk, total	N	X	X	50 654	N	X	X	N
313249WY	Other knit fabrics and lace, nsk, total	N	X	X	50 654	N	X	X	N
313249WYV	Other knit fabrics and lace, nsk, for nonadministrative-record establishments	N	X	X	24 397	N	X	X	N
313249WYVY	Other knit fabrics and lace, nsk, for administrative-record establishments	N	X	X	26 257	N	X	X	N
313311	Finished broadwoven fabrics	N	X	X	9 107 244	N	X	X	N
3133111	Finished cotton broadwoven fabrics (not finished in weaving mills)	N	X	X	1 856 811	N	X	X	N
31331111	Finished cotton broadwoven fabrics (not finished in weaving mills)	N	X	X	1 758 477	N	X	X	N
313311111	Finished cotton broadwoven print cloth (not finished in weaving mills) \$ mil fin sq yd..	24	X	S	589 557	N	X	N	N
3133111121	Finished cotton broadwoven poplin and broadcloth (not finished in weaving mills) \$ mil fin sq yd..	6	X	D	D	N	X	N	N
3133111131	Finished cotton broadwoven sheeting, plain weave, including bedsheeting and osnaburgs (not finished in weaving mills) \$ mil fin sq yd..	11	X	932.6	404 192	N	X	N	N
3133111141	Finished cotton broadwoven tobacco, cheese, and bandage cloth (not finished in weaving mills) \$ mil fin sq yd..	1	X	D	D	N	X	N	N
3133111151	Finished cotton broadwoven fabrics, other plain weave fabrics (except pile), including lawns, voiles, batistes, and duck (not finished in weaving mills) \$ mil fin sq yd..	8	X	14.8	20 149	N	X	N	N
3133111161	Finished cotton broadwoven twill weave fabrics (not finished in weaving mills) \$ mil fin sq yd..	11	X	238.2	328 855	N	X	N	N
3133111171	Finished cotton broadwoven fabrics, weaves other than plain, twill, and pile, including sateens, oxfords, table damask, jacquard, and dobby shirting (not finished in weaving mills) \$ mil fin sq yd..	16	X	77.5	116 390	N	X	N	N
3133111181	Finished cotton broadwoven pile fabrics, including velvets, plushes, corduroy, terry toweling, and terry cloth (not finished in weaving mills) \$ mil fin sq yd..	6	X	D	D	N	X	N	N
3133111Y	Finished cotton broadwoven fabrics (not finished in weaving mills), nsk	N	X	X	98 334	N	X	X	N
3133111YV	Finished cotton broadwoven fabrics (not finished in weaving mills), nsk	N	X	X	98 334	N	X	X	N
3133113	Job or commission finishing of cotton broadwoven fabrics	N	X	X	1 359 146	N	X	X	866 451
31331131	Job or commission finishing of cotton broadwoven print cloth	N	X	X	455 222	N	X	X	N
313311311	Job or commission finishing of cotton broadwoven print cloth mil fin sq yd..	45	X	P757.5	455 222	38	X	P676.5	283 836

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
313311	Finished broadwoven fabrics—Con.								
3133113	Job or commission finishing of cotton broadwoven fabrics—Con.								
31331132	Job or commission finishing of cotton broadwoven plain weave fabrics (except print cloth)	N	X	X	264 715	N	X	X	N
3133113221	Job or commission finishing of cotton broadwoven poplin and broadcloth fabrics mil fin sq yd..	24	X	¶173.9	70 841	25	X	193.9	64 961
3133113231	Job or commission finishing of cotton broadwoven sheeting fabrics, plain weave, including bedsheeting and osnaburgs mil fin sq yd..	24	X	¶171.0	102 219	26	X	362.8	113 068
3133113241	Job or commission finishing of cotton broadwoven tobacco, cheese, and bandage cloth mil fin sq yd..	3	X	3.3	781	6	X	27.1	13 048
3133113251	Job or commission finishing of cotton broadwoven duck fabrics mil fin sq yd..	20	X	¶94.4	57 509	16	X	47.7	27 075
3133113261	Job or commission finishing of cotton broadwoven plain weave fabrics, other (except pile) including lawns, voiles, and batistes mil fin sq yd..	8	X	S	33 365	7	X	10.1	7 186
31331133	Job or commission finishing of cotton broadwoven twill weave fabrics (except pile)	N	X	X	379 474	N	X	X	N
3133113371	Job or commission finishing of cotton broadwoven twill weave fabrics (except pile) mil fin sq yd..	26	X	¶446.6	379 474	22	X	¶474.3	183 352
31331134	Job or commission finishing of cotton broadwoven fabrics (except plain weave and twill weave)	N	X	X	71 581	N	X	X	N
3133113481	Job or commission finishing of cotton broadwoven sateen fabrics mil fin sq yd..	13	X	¶29.9	21 838	14	X	47.3	31 406
3133113491	Job or commission finishing of cotton broadwoven fabrics (except plain weave, twill weave, sateens, and pile), including oxfords, table damask, jacquard and dobby shirting, and birdseye diaper cloth mil fin sq yd..	14	X	¶36.3	28 443	16	X	87.6	52 610
31331134B1	Job or commission finishing of cotton broadwoven pile fabrics (velvets, plushes, corduroy, terry toweling, terry cloth, and others) mil fin sq yd..	6	X	¶49.3	21 300	9	X	63.4	22 793
3133113Y	Job or commission finishing of cotton broadwoven fabrics, nsk	N	X	X	188 154	N	X	X	N
3133113YWV	Job or commission finishing of cotton broadwoven fabrics, nsk	N	X	X	188 154	N	X	X	67 116
3133115	Finished manmade fiber and silk broadwoven fabrics (not finished in weaving mills)	N	X	X	2 857 139	N	X	X	N
31331151	Finished manmade fiber broadwoven print cloth (not finished in weaving mills), of 85 percent or more spun yarns	N	X	X	102 029	N	X	X	N
3133115111	Finished manmade fiber broadwoven print cloth, of 85 percent or more spun yarns (not finished in weaving mills) \$ mil fin sq yd..	9	X	90.9	102 029	N	X	N	N
31331152	Finished manmade fiber broadwoven fabrics, plain weave except print cloth, (not finished in weaving mills), of 85 percent or more spun yarns	N	X	X	666 674	N	X	X	N
3133115221	Finished manmade fiber broadwoven poplin and broadcloth, of 85 percent or more spun yarns (not finished in weaving mills) \$ mil fin sq yd..	4	X	D	D	N	X	N	N
3133115231	Finished manmade fiber broadwoven sheeting, plain weave, including bedsheeting and osnaburgs, of 85 percent or more spun yarns (not finished in weaving mills) \$ mil fin sq yd..	3	X	381.3	507 868	N	X	N	N
3133115241	Finished manmade fiber broadwoven fabrics, other plain weave fabrics (except pile), including lawns, voiles, and batistes, of 85 percent or more spun yarns (not finished in weaving mills) \$ mil fin sq yd..	6	X	D	D	N	X	N	N
31331153	Finished manmade fiber broadwoven twill weave fabrics (not finished in weaving mills), of 85 percent or more spun yarns	N	X	X	160 830	N	X	X	N
3133115351	Finished manmade fiber broadwoven twill weave fabrics, of 85 percent or more spun yarns (not finished in weaving mills) \$ mil fin sq yd..	5	X	S	160 830	N	X	N	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
313311	Finished broadwoven fabrics—Con.								
3133115	Finished manmade fiber and silk broadwoven fabrics (not finished in weaving mills)—Con.								
31331154	Finished manmade fiber broadwoven sateen fabrics (not finished in weaving mills), of 85 percent or more spun yarns	N	X	X	56 224	N	X	X	N
3133115461	Finished manmade fiber broadwoven sateen fabrics, of 85 percent or more spun yarns (not finished in weaving mills) \$	5	X	29.5	56 224	N	X	N	N
31331155	Finished manmade fiber broadwoven fabrics (not finished in weaving mills), of 85 percent or more spun yarns, weaves other than plain, twill, sateens, and pile	N	X	X	582 060	N	X	X	N
3133115571	Finished manmade fiber broadwoven fabrics, weaves other than plain, twill, sateens, and pile, of 85 percent or more spun yarns (not finished in weaving mills) \$	51	X	S	582 060	N	X	N	N
31331156	Finished manmade fiber broadwoven pile fabrics, including velvets, plushes, and corduroys (not finished in weaving mills), of 85 percent or more spun yarns	N	X	X	92 872	N	X	X	N
3133115681	Finished manmade fiber broadwoven pile fabrics, including velvets, plushes, and corduroys, of 85 percent or more spun yarns (not finished in weaving mills) \$	3	X	74.3	92 872	N	X	N	N
31331157	Finished broadwoven fabrics, chiefly polyester (not finished in weaving mills), of 85 percent or more filament yarns	N	X	X	709 999	N	X	X	N
3133115791	Finished polyester broadwoven fabrics, of 85 percent or more filament yarns (not finished in weaving mills) \$	19	X	483.4	709 999	N	X	N	N
31331158	Finished manmade fiber and silk broadwoven fabrics (not finished in weaving mills), of 85 percent or more filament yarns, except polyester, and other fabrics including spun-filament yarn combinations	N	X	X	355 970	N	X	X	N
31331158B1	Finished rayon, acetate, and/or lyocell broadwoven fabrics, of 85 percent or more filament yarns (not finished in weaving mills) \$	10	X	46.1	98 903	N	X	N	N
31331158D1	Finished broadwoven fabrics of manmade fibers other than rayon, acetate, lyocell and polyester, of 85 percent or more filament yarns (not finished in weaving mills) \$	12	X	D	D	N	X	N	N
31331158F1	Other finished broadwoven fabrics, including combinations of spun and filament yarns, blends with wool, silk, and blends with silk (not finished in weaving mills) \$	3	X	D	D	N	X	N	N
3133115Y	Finished manmade fiber and silk broadwoven fabrics (not finished in weaving mills), nsk	N	X	X	130 481	N	X	X	N
3133115YWV	Finished manmade fiber and silk broadwoven fabrics (not finished in weaving mills), nsk	N	X	X	130 481	N	X	X	N
3133117	Job or commission finishing of manmade fiber and silk broadwoven fabrics	N	X	X	1 160 036	N	X	X	1 282 120
31331171	Job or commission finishing of manmade fiber broadwoven print cloth of 85 percent or more spun yarns	N	X	X	184 554	N	X	X	N
3133117111	Job or commission finishing of manmade fiber broadwoven print cloth of 85 percent or more spun yarns	25	X	300.4	184 554	33	X	672.8	341 367
31331172	Job or commission finishing of manmade fiber broadwoven fabrics of 85 percent or more spun yarns (except print cloth)	N	X	X	374 492	N	X	X	N
3133117221	Job or commission finishing of manmade fiber broadwoven poplin and broadcloth of 85 percent or more spun yarns	10	X	P74.6	34 661	10	X	109.2	51 984
3133117231	Job or commission finishing of manmade fiber broadwoven plain weave sheeting, including bedsheeting and osnaburgs, of 85 percent or more spun yarns	4	X	S	24 560	11	X	176.4	87 098

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
313311	Finished broadwoven fabrics—Con.								
3133117	Job or commission finishing of manmade fiber and silk broadwoven fabrics—Con.								
31331172	Job or commission finishing of manmade fiber broadwoven fabrics of 85 percent or more spun yarns (except print cloth)—Con.								
3133117241	Job or commission finishing of manmade fiber broadwoven fabrics of 85 percent or more spun yarns, plain weave (except print cloth, poplin, broadcloth, and sheeting) mil fin sq yd..	9	X	320.5	103 184	N	X	N	N
3133117251	Job or commission finishing of manmade fiber broadwoven fabrics, twill weave, of 85 percent or more spun yarns mil fin sq yd..	7	X	S	21 608	9	X	80.1	42 789
3133117261	Job or commission finishing of manmade fiber broadwoven fabrics, of 85 percent or more spun yarn, except plain weave, twill weave, and pile fabrics mil fin sq yd..	20	X	S	159 409	N	X	N	N
3133117271	Job or commission finishing of manmade fiber broadwoven pile fabrics of 85 percent or more spun yarns mil fin sq yd..	6	X	S	31 070	4	X	D	D
31331173	Job or commission finishing of broadwoven fabrics, chiefly polyester of 85 percent or more filament yarns	N	X	X	182 012	N	X	X	N
3133117381	Job or commission finishing of broadwoven fabrics, chiefly polyester of 85 percent or more filament yarns mil fin sq yd..	26	X	P306.8	182 012	36	X	307.9	190 230
31331174	Job or commission finishing of broadwoven fabrics, chiefly rayon, acetate, and/or lyocell, of 85 percent or more filament yarns	N	X	X	277 851	N	X	X	N
3133117491	Job or commission finishing of broadwoven fabrics, chiefly rayon, acetate, and/or lyocell, of 85 percent or more filament yarns mil fin sq yd..	23	X	9575.6	277 851	29	X	586.8	287 132
31331175	Job or commission finishing of manmade fiber and silk broadwoven fabrics, of 85 percent or more filament yarns except rayon, acetate, lyocell, and polyester; and combinations of spun-filament yarns	N	X	X	112 246	N	X	X	N
31331175B1	Job or commission finishing of manmade fiber broadwoven fabrics, of 85 percent or more filament yarns, except rayon, acetate, lyocell, and polyester mil fin sq yd..	10	X	S	85 896	15	X	117.5	81 517
31331175D1	Job or commission finishing of manmade fiber and silk broadwoven fabrics, other fabrics, including combinations of spun and filament yarns, blends with wool, silk, and blends with silk mil fin sq yd..	6	X	S	26 350	16	X	954.7	21 001
3133117Y	Job or commission finishing of manmade fiber and silk broadwoven fabrics, nsk	N	X	X	28 881	N	X	X	N
3133117YVW	Job or commission finishing of manmade fiber and silk broadwoven fabrics, nsk.	N	X	X	28 881	N	X	X	48 078
3133119	Finished broadwoven wool fabrics and felts (not finished in weaving mill)	N	X	X	90 657	N	X	X	N
31331191	Finished broadwoven wool fabrics and felts (not finished in weaving mill)	N	X	X	90 657	N	X	X	N
3133119100	Finished broadwoven wool fabrics and felts (not finished in weaving mill)	8	X	X	90 657	N	X	X	N
313311W	Finished broadwoven fabrics, nsk, total	N	X	X	1 783 455	N	X	X	N
313311WY	Finished broadwoven fabrics, nsk, total	N	X	X	1 783 455	N	X	X	N
313311WYWW	Finished broadwoven fabrics, nsk, for nonadministrative-record establishments	N	X	X	1 492 692	N	X	X	N
313311WYWY	Finished broadwoven fabrics, nsk, for administrative-record establishments	N	X	X	290 763	N	X	X	N

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313312	Finished fabrics (except broadwoven) and other finished textiles	N	X	X	4 403 742	N	X	X	N
3133120	Finished fabrics (except broadwoven) and other finished textiles	N	X	X	4 403 742	N	X	X	N
31331201	Finished yarn, raw stock, and narrow fabrics (except knit), not spun, thrown, woven, or braided in the same establishment	N	X	X	1 522 051	N	X	X	N
3133120111	Bleached yarns (except wool), not spun or thrown in the same establishment	8	X	P20.5	62 998	6	X	D	D
3133120121	Dyed carded cotton yarns, not spun in the same establishment	14	X	P49.1	124 971	29	X	64.0	147 404
3133120131	Dyed combed cotton yarns, not spun in the same establishment	13	X	33.9	130 410	15	X	60.1	123 909
3133120141	Dyed yarns of rayon, acetate, and/or lyocell, not spun or thrown in the same establishment	7	X	P7.2	34 539	16	X	26.5	53 442
3133120151	Dyed yarns of acrylic and/or modacrylic, not spun or thrown in the same establishment	7	X	Q20.3	59 606	6	X	D	D
3133120161	Dyed yarns, polyester blends with cotton, not spun or thrown in the same establishment	13	X	S	75 285	22	X	33.3	82 473
3133120171	Dyed yarns of polyester (except blends with cotton), not spun or thrown in the same establishment	12	X	53.7	152 306	18	X	S	116 584
3133120181	Dyed yarns of other manmade fibers and silk, not spun or thrown in the same establishment	12	X	S	114 637	21	X	S	110 013
3133120191	Mercerized cotton yarns, not spun in the same establishment	3	X	D	D	4	X	14.8	68 821
31331201B1	Raw stock, bleached or dyed (except wool)	3	X	D	D	7	X	S	69 988
31331201D1	Printed plastics film	1	X	D	D	1	X	—	D
31331201F1	Finished braided or woven narrow fabrics (except wool), not braided or woven in the same establishment	13	X	Q24.4	55 969	N	X	X	N
31331201H1	Finished wool yarns, including winding, tops, and raw stock, not combed or spun at the same establishment	14	X	X	98 389	N	X	X	N
31331201J1	Job or commission finishing of wool textiles, except broadwoven fabrics	2	X	X	D	3	X	X	3 119
31331201L1	Other textile and fabric finishing (except broadwoven and knit)	10	X	X	510 955	N	X	X	N
31331201N1	Commission receipts for winding, warping, etc., of yarn not thrown or spun in the same establishment	7	X	X	30 692	N	X	X	N
31331201P1	Finished thread and yarn of linen	—	X	X	—	N	X	X	N
31331202	Finished garments, including stone washed and tie dyed, not cut and sewn or knit in the same establishment	N	X	X	81 066	N	X	X	N
31331202M1	Finished garments, including stone washed and tie dyed, not cut and sewn or knit in the same establishment	17	X	X	81 066	N	X	X	N
31331203	Finished weft (circular) knit fabrics, except hosiery, not knit in the same establishment, broad (more than 12 inches wide)	N	X	X	1 385 498	N	X	X	N
3133120311	Finished weft (circular) knit fabrics, except hosiery, not knit in the same establishment, broad (more than 12 inches wide)	32	X	S	1 385 498	29	X	435.7	1 040 377
31331204	Finished warp knit fabrics, not knit in the same establishment, broad (more than 12 inches wide)	N	X	X	415 460	N	X	X	N
3133120411	Finished warp knit fabrics, not knit in the same establishment, broad (more than 12 inches wide)	18	X	221.3	415 460	21	X	260.5	762 016
31331205	Finished knit fabrics, not knit in the same establishment, narrow (12 inches wide or less)	N	X	X	152 136	N	X	X	N
3133120511	Finished weft (circular) knit fabrics, not knit in the same establishment, narrow (12 inches wide or less)	5	X	P20.3	36 468	8	X	S	13 515
3133120521	Finished warp knit fabrics, not knit in the same establishment, narrow (12 inches wide or less)	6	X	86.8	115 668	7	X	S	37 711

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313312	Finished fabrics (except broadwoven) and other finished textiles—Con.								
3133120	Finished fabrics (except broadwoven) and other finished textiles—Con.								
31331206	Contract and commission receipts for finishing only, weft (circular) knit fabrics	N	X	X	224 470	N	X	X	N
3133120611	Contract and commission receipts for finishing only, weft (circular) knit fabrics, broad (more than 12 inches wide)	28	X	X	D	N	X	X	N
3133120621	Contract and commission receipts for finishing only, weft (circular) knit fabrics, narrow (12 inches wide or less)	2	X	X	D	N	X	X	N
31331207	Contract and commission receipts for finishing only, warp knit fabrics and receipts for dyeing and finishing lace and net goods	N	X	X	223 610	N	X	X	N
3133120711	Contract and commission receipts for finishing only, warp knit fabrics, broad (more than 12 inches wide)	18	X	X	204 630	N	X	X	N
3133120721	Contract and commission receipts for finishing only, warp knit fabrics, narrow (12 inches wide or less)	—	X	X	—	N	X	X	N
3133120731	Contract and commission receipts for dyeing and finishing lace and net goods, except raschel and burned-out lace	5	X	X	18 980	9	X	X	41 801
3133120Y	Finished fabrics (except broadwoven fabric) and other finished textiles, nsk	N	X	X	399 451	N	X	X	N
3133120YWW	Finished fabrics (except broadwoven) and other finished textiles, nsk, for nonadministrative-record establishments	N	X	X	357 991	N	X	X	N
3133120YWY	Finished fabrics (except broadwoven) and other finished textiles, nsk, for administrative-record establishments	N	X	X	41 460	N	X	X	N
313320	Coated fabrics	N	X	X	2 127 092	N	X	X	N
3133201	Vinyl coated fabrics, including expanded vinyl coated	N	X	X	635 244	N	X	X	614 116
31332011	Vinyl coated fabrics, including expanded vinyl coated, lightweight fabrics, 10 oz or less per sq yd finished weight	N	X	X	184 245	N	X	X	N
3133201111	Vinyl coated fabrics, including expanded vinyl coated, lightweight fabrics, 10 oz or less per sq yd finished weight, woven fabrics base	13	X	X	65 035	18	X	X	59 708
3133201121	Vinyl coated fabrics, including expanded vinyl coated, lightweight fabrics, 10 oz or less per sq yd finished weight, knit fabrics base	11	X	X	60 193	9	X	X	53 034
3133201131	Vinyl coated fabrics, including expanded vinyl coated, lightweight fabrics, 10 oz or less per sq yd finished weight, nonwoven base	5	X	X	59 017	8	X	X	62 410
31332012	Vinyl coated fabrics, including expanded vinyl coated, mediumweight fabrics, more than 10 oz up to 16 oz per sq yd finished weight	N	X	X	185 267	N	X	X	N
3133201241	Vinyl coated fabrics, including expanded vinyl coated, mediumweight fabrics, more than 10 oz up to 16 oz per sq yd finished weight, woven fabrics base	12	X	X	80 915	16	X	X	91 949
3133201251	Vinyl coated fabrics, including expanded vinyl coated, mediumweight fabrics, more than 10 oz up to 16 oz per sq yd finished weight, knit fabrics base	12	X	X	65 174	9	X	X	70 116
3133201261	Vinyl coated fabrics, including expanded vinyl coated, mediumweight fabrics, more than 10 oz up to 16 oz per sq yd finished weight, nonwoven base	6	X	X	39 178	8	X	X	44 283

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
313320	Coated fabrics—Con.								
3133201	Vinyl coated fabrics, including expanded vinyl coated—Con.								
31332013	Vinyl coated fabrics, including expanded vinyl coated, heavyweight fabrics, more than 16 oz per sq yd finished weight	N	X	X	250 836	N	X	X	N
3133201371	Vinyl coated fabrics, including expanded vinyl coated, heavyweight fabrics, more than 16 oz per sq yd finished weight, woven fabrics base	11	X	X	138 190	16	X	X	138 697
3133201381	Vinyl coated fabrics, including expanded vinyl coated, heavyweight fabrics, more than 16 oz per sq yd finished weight, knit fabrics base	10	X	X	70 618	6	X	X	43 037
3133201391	Vinyl coated fabrics, including expanded vinyl coated, heavyweight fabrics, more than 16 oz per sq yd finished weight, nonwoven base	7	X	X	42 028	9	X	X	30 606
3133201Y	Vinyl coated fabrics, including expanded vinyl coated, nsk	N	X	X	14 896	N	X	X	N
3133201YVV	Vinyl coated fabrics, including expanded vinyl coated, nsk	N	X	X	14 896	N	X	X	20 276
3133203	Rubber coated fabrics	N	X	X	162 685	N	X	X	N
31332031	Rubber coated fabrics	N	X	X	162 685	N	X	X	N
3133203111	Rubber coated garment and footwear fabrics	4	X	X	13 005	7	X	X	24 843
3133203121	Rubber coated inflatable fabrics	6	X	X	24 060	6	X	X	22 998
3133203131	Other rubber coated fabrics (automotive and furniture upholstery, hospital and crib sheeting, and protective covering fabrics)	23	X	X	125 620	16	X	X	97 777
3133203Y	Rubber coated fabrics, nsk	N	X	X	—	N	X	X	N
3133203YVV	Rubber coated fabrics, nsk	N	X	X	—	N	X	X	N
3133205	Other coated or laminated fabrics and coated yarns, not rubberized	N	X	X	1 105 889	N	X	X	776 675
31332051	Pyroxylin and polyurethane coated fabrics	N	X	X	159 539	N	X	X	N
3133205111	Pyroxylin coated fabrics	2	X	X	D	5	X	X	54 216
3133205121	Polyurethane coated fabrics	15	X	X	D	12	X	X	87 757
31332052	Other coated or laminated fabrics, excluding rubberized fabrics	N	X	X	805 023	N	X	X	N
3133205231	Fiber coated fabrics	6	X	X	86 894	N	X	X	N
3133205241	Impregnated fabrics	12	X	X	125 173	N	X	X	N
3133205251	Laminated fabrics, lightweight fabrics, 10 oz or less per sq yd finished weight	20	X	X	160 097	N	X	X	N
3133205261	Laminated fabrics, mediumweight fabrics, more than 10 oz up to and including 16 oz per sq yd finished weight	23	X	X	230 623	N	X	X	N
3133205271	Laminated fabrics, heavyweight fabrics, more than 16 oz per sq yd finished weight	22	X	X	202 236	N	X	X	N
31332054	All other coated fabrics and yarns, all types except rubberized	N	X	X	136 513	N	X	X	N
3133205481	All other coated fabrics and yarns, all types except rubberized	26	X	X	136 513	10	X	X	100 776
3133205Y	Other coated or laminated fabrics and coated yarns, nsk	N	X	X	4 814	N	X	X	N
3133205YVV	Other coated or laminated fabrics and coated yarns, nsk	N	X	X	4 814	N	X	X	5 230
313320W	Fabric coating mills, nsk, total	N	X	X	223 274	N	X	X	N
313320WY	Fabric coating mills, nsk, total	N	X	X	223 274	N	X	X	N
313320WYVW	Fabric coating mills, nsk, for nonadministrative-record establishments	N	X	X	135 193	N	X	X	N
313320WYWY	Fabric coating mills, nsk, for administrative-record establishments	N	X	X	88 081	N	X	X	N
314110	Carpet and rugs	N	X	X	10 977 111	N	X	X	9 518 378
3141101	Woven carpets and rugs @	N	X	X	345 497	N	X	X	285 103
31411010	Woven carpets and rugs	N	X	X	345 497	N	X	X	N
3141101000	Woven carpets and rugs	14	X	23.9	345 497	19	X	18.8	285 103

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
314110	Carpet and rugs—Con.								
3141103	Tufted carpets and rugs @	N	X	X	9 968 548	N	X	X	8 820 737
31411031	Carpets and rugs, tufted only or tufted and finished in the same establishment	N	X	X	9 346 272	N	X	X	N
3141103110	Carpets and rugs, tufted only or tufted and finished in the same establishmentmil sq yd..	106	X	1 422.1	9 346 272	128	X	1 321.3	8 091 638
31411032	Carpets and rugs, finished only	N	X	X	615 640	N	X	X	N
3141103220	Carpets and rugs, finished onlymil sq yd..	28	X	94.8	615 640	25	X	158.7	706 724
3141103Y	Tufted carpets and rugs, nsk	N	X	X	6 636	N	X	X	N
3141103YVV	Tufted carpets and rugs, nsk	N	X	X	6 636	N	X	X	22 375
3141105	Carpets, rugs, and mats, nec (knitted, braided, hooked, needle-punched, woven paper yarn, coconut fiber, etc.) @	N	X	X	414 121	N	X	X	333 997
31411050	Carpets, rugs, and mats, nec (knitted, braided, hooked, needle-punched, woven paper yarn, coconut fiber, etc.)	N	X	X	414 121	N	X	X	N
3141105000	Carpets, rugs, and mats, nec (knitted, braided, hooked, needle-punched, woven paper yarn, coconut fiber, etc.)mil sq yd..	31	X	S	414 121	31	X	89.2	333 997
314110W	Carpet and rugs, nsk, total	N	X	X	248 945	N	X	X	78 541
314110WY	Carpet and rugs, nsk, total	N	X	X	248 945	N	X	X	N
314110WYWW	Carpet and rugs, nsk, for nonadministrative-record establishments	N	X	X	76 295	N	X	X	16 876
314110WYWY	Carpet and rugs, nsk, for administrative-record establishments	N	X	X	172 650	N	X	X	61 665
314121	Curtains and draperies	N	X	X	1 676 510	N	X	X	N
3141210	Curtains and draperies, including custom (made from purchased fabrics)	N	X	X	1 676 510	N	X	X	N
31412101	Curtains and draperies, knit, except lace	N	X	X	107 702	N	X	X	N
3141210111	Curtains and draperies, knit, except lace	36	X	X	107 702	49	X	X	87 167
31412102	Woven window curtains, all fabrics	N	X	X	398 816	N	X	X	N
3141210221	Woven window curtains, wholly or chiefly cotton	48	X	X	117 587	48	X	X	112 162
3141210231	Woven window curtains, rayon and/or acetate fabrics	22	X	X	103 934	23	X	X	61 735
3141210241	Woven window curtains, all other manmade fiber fabrics, including glass	30	X	X	147 688	29	X	X	165 290
3141210251	Woven window curtains, other materials	12	X	X	29 607	20	X	X	51 934
31412103	Woven draperies, all fabrics	N	X	X	567 174	N	X	X	N
3141210361	Woven draperies, wholly or chiefly cotton	101	X	X	107 693	88	X	X	100 890
3141210371	Woven draperies, rayon and/or acetate fabrics	43	X	X	110 403	60	X	X	93 071
3141210381	Woven draperies, all other manmade fiber fabrics, including glass	73	X	X	281 790	61	X	X	175 497
3141210391	Woven draperies, other materials	28	X	X	67 288	39	X	X	62 115
31412104	Custom drapes and curtains	N	X	X	267 252	N	X	X	N
31412104A1	Custom drapes and curtains	533	X	X	267 252	N	X	X	N
3141210Y	Curtains and draperies, nsk	N	X	X	335 566	N	X	X	N
3141210YWW	Curtains and draperies, nsk, for nonadministrative-record establishments	N	X	X	221 438	N	X	X	N
3141210YWY	Curtains and draperies, nsk, for administrative-record establishments	N	X	X	114 128	N	X	X	N
314129	Household furnishings	N	X	X	6 600 210	N	X	X	N
3141291	Bedspreads and bedsets	N	X	X	272 015	N	X	X	443 678
31412910	Bedspreads and bedsets	N	X	X	204 674	N	X	X	N
3141291010	Knit or crocheted bedspreads \$	6	X	X	2 052	7	X	X	5 924
3141291020	Tailored bedspreads, wholly or chiefly cotton fabrics, quilted \$	41	X	X	51 570	49	X	X	72 607
3141291030	Tailored bedspreads, wholly or chiefly manmade fabrics, quilted \$	33	X	X	84 901	41	X	X	135 174
3141291040	Tailored bedspreads, wholly or chiefly cotton fabrics, nonquilted \$	8	X	X	3 686	7	X	X	3 048
3141291050	Tailored bedspreads, wholly or chiefly manmade fabrics, nonquilted \$	4	X	X	6 576	6	X	X	42 391
3141291060	Nontailored bedspreads, wholly or chiefly cotton fabrics \$	13	X	X	29 207	14	X	X	136 111
3141291070	Nontailored bedspreads, wholly or chiefly manmade fabrics \$	9	X	X	26 682	13	X	X	26 111

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314129	Household furnishings—Con.								
3141291	Bedspreads and bedsets—Con.								
3141291Y	Bedspreads and bedsets, nsk	N	X	X	67 341	N	X	X	N
3141291YVV	Bedspreads and bedsets, nsk	N	X	X	67 341	N	X	X	22 312
3141293	Sheets and pillowcases @	N	X	X	1 444 112	N	X	X	1 001 944
31412930	Sheets and pillowcases, including crib-sizes	N	X	X	1 444 112	N	X	X	N
3141293000	Sheets and pillowcases, including crib-sizes \$	48	X	X	1 444 112	43	X	X	1 001 944
3141295	Towels and washcloths @	N	X	X	849 293	N	X	X	611 425
31412950	Towels and washcloths	N	X	X	813 840	N	X	X	N
3141295010	Terry towels and washcloths, including other pile \$	23	X	X	768 599	20	X	X	D
3141295020	Other towels and washcloths, including huck and crash \$	9	X	X	45 241	5	X	X	D
3141295Y	Towels and washcloths, nsk	N	X	X	35 453	N	X	X	N
3141295YVV	Towels and washcloths, nsk	N	X	X	35 453	N	X	X	45 204
3141297	Shower bath curtains, comforters and quilts, pillows, blankets, mattress protectors, table linen, and slip covers	N	X	X	3 803 084	N	X	X	N
31412971	Shower bath curtains, including plastics, unsupported film, coated fabrics, and all others	N	X	X	147 677	N	X	X	N
3141297101	Shower bath curtains, including plastics, unsupported film, coated fabrics, and all others	34	X	X	147 677	24	X	X	156 325
31412972	Comforters and quilts	N	X	X	949 562	N	X	X	N
3141297210	Quilted comforters and quilts, wholly or chiefly cotton (except down-filled) \$	32	X	X	275 384	26	X	X	285 375
3141297220	Quilted comforters and quilts, wholly or chiefly manmade (except down-filled) \$	25	X	X	545 171	37	X	X	481 661
3141297230	Quilted comforters and quilts, down-filled \$	10	X	X	129 007	12	X	X	104 649
31412973	Pillows, including bed, fancy, and cushions, including foam	N	X	X	1 044 957	N	X	X	N
31412973J1	Bed pillows, manmade fiber-filled	39	X	X	400 447	41	X	X	260 756
31412973K1	Bed pillows, other materials, including foam	25	X	X	116 100	30	X	X	104 867
31412973L1	Fancy pillows and cushions, foam rubber	29	X	X	64 988	38	X	X	74 284
31412973M1	Fancy pillows and cushions, other materials	82	X	X	463 422	80	X	X	256 245
31412974	Blankets, mattress protectors, table linen, and slip covers	N	X	X	1 626 375	N	X	X	N
3141297440	Blankets \$	24	X	X	338 953	22	X	X	115 241
3141297451	Quilted mattress protectors, including mattress covers, wholly or chiefly cotton	10	X	X	107 703	7	X	X	65 346
3141297461	Quilted mattress protectors, including mattress covers, all other fabrics	16	X	X	122 026	18	X	X	107 583
3141297471	Other quilted products	17	X	X	38 656	15	X	X	17 147
3141297481	Table linen, including tablecloths, napkins, and placemats, knit or crocheted	20	X	X	82 504	7	X	X	15 500
31412974A1	Table linen, including tablecloths, napkins, and placemats, wholly or chiefly cotton fabrics	25	X	X	190 837	N	X	X	N
31412974B1	Table linen, including tablecloths, napkins, and placemats, wholly or chiefly linen fabrics	7	X	X	D	N	X	X	N
31412974C1	Table linen, including tablecloths, napkins, and placemats, wholly or chiefly manmade fabrics	21	X	X	65 633	N	X	X	N
31412974D1	Table linen, including tablecloths, napkins, and placemats, other materials, including plastics	7	X	X	45 730	N	X	X	N
31412974E1	Other table linen, including dresser covers and scarves, doilies, tray cloths, including plastics (except lace)	8	X	X	23 499	4	X	X	24 731
31412974F1	Furniture slipcovers made from fabrics, plastics, and other material (except paper products)	14	X	X	222 919	16	X	X	101 094
31412974H1	Mattress slipcovers, nonquilted	7	X	X	12 404	4	X	X	D
31412974J1	Other slipcovers	14	X	X	90 624	10	X	X	52 190
31412974K1	All other household furnishings	60	X	X	D	67	X	X	213 312
3141297Y	Shower bath curtains, comforters and quilts, pillows, blankets, mattress protectors, table linen, and slip covers, nsk	N	X	X	34 513	N	X	X	N
3141297YVV	Shower bath curtains, comforters and quilts, pillows, blankets, mattress protectors, table linen, and slip covers, nsk	N	X	X	34 513	N	X	X	N

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314129	Household furnishings—Con.								
314129W	Household furnishings, nsk, total	N	X	X	231 706	N	X	X	N
314129WY	Household furnishings, nsk, total	N	X	X	231 706	N	X	X	N
314129WYWW	Household furnishings, nsk, for nonadministrative-record establishments	N	X	X	108 356	N	X	X	N
314129WYWY	Household furnishings, nsk, for administrative-record establishments	N	X	X	123 350	N	X	X	N
314911	Textile bags	N	X	X	919 967	N	X	X	N
3149110	Textile bags	N	X	X	919 967	N	X	X	N
31491101	Duffle bags and knapsacks, all materials (including cotton canvas and open-mesh cotton)	N	X	X	154 190	N	X	X	N
3149110111	Duffle bags and knapsacks, wholly or chiefly cotton (including cotton canvas and open-mesh cotton)	35	X	X	37 663	21	X	X	29 803
3149110151	Duffle bags and knapsacks, wholly or chiefly manmade fiber fabrics	38	X	X	116 527	30	X	X	79 916
31491102	All other textile bags	N	X	X	622 796	N	X	X	N
3149110221	Other bags, wholly or chiefly cotton (including cotton canvas and open-mesh cotton)	68	X	X	98 638	71	X	X	171 857
3149110231	Laundry, wardrobe, and shoe bags (including storage bags of textiles with or without external supporting frames)	16	X	X	20 239	25	X	X	41 759
3149110241	Textile bags, burlap	15	X	X	42 891	20	X	X	67 800
3149110261	Textile bags of split polyethylene or polypropylene strip (except duffie), standard	9	X	X	32 946	N	X	X	N
3149110271	Textile bags of split polyethylene or polypropylene strip (except duffie), bulk	16	X	X	109 060	N	X	X	N
3149110281	Textile bags of split polyethylene or polypropylene strip (except duffie), mesh	9	X	X	44 039	N	X	X	N
3149110291	Textile bags of other manmade fiber fabrics (except duffie)	60	X	X	137 481	42	X	X	74 506
31491102A1	Textile bags, other fabrics, including spun paper	24	X	X	137 502	N	X	X	N
3149110Y	Textile bags, nsk	N	X	X	142 981	N	X	X	N
3149110YWW	Textile bags, nsk, for nonadministrative-record establishments	N	X	X	88 657	N	X	X	N
3149110YWY	Textile bags, nsk, for administrative-record establishments	N	X	X	54 324	N	X	X	N
314912	Canvas and related products	N	X	X	1 464 525	N	X	X	1 051 025
3149120	Canvas and related products made from cotton, nylon, polyester, and other industrial fabrics	N	X	X	1 464 525	N	X	X	1 051 025
31491201	Canvas and related products made from cotton, nylon, polyester, and other industrial fabrics, awnings	N	X	X	267 463	N	X	X	N
3149120111	Canvas and related products made from cotton, nylon, polyester, and other industrial fabrics, awnings	285	X	X	267 463	249	X	X	207 086
31491202	Camping tents made from cotton, nylon, polyester, and other industrial fabrics	N	X	X	29 124	N	X	X	N
3149120221	Camping tents made from cotton, nylon, polyester, and other industrial fabrics	23	X	X	29 124	25	X	X	69 185
31491203	Other tents, including air supported structures and tension structures, made from cotton, nylon, polyester, and other industrial fabrics	N	X	X	133 087	N	X	X	N
3149120331	Other tents, including air supported structures and tension structures, made from cotton, nylon, polyester, and other industrial fabrics	59	X	X	133 087	47	X	X	82 628
31491204	Tarpaulins and other covers, flat, made from cotton, nylon, polyester, and other industrial fabrics	N	X	X	131 119	N	X	X	N
3149120441	Tarpaulins and other covers, flat, made from cotton, nylon, polyester, and other industrial fabrics	120	X	X	131 119	98	X	X	132 106
31491205	Tarpaulins and other covers, fitted, made from cotton, nylon, polyester, and other industrial fabrics	N	X	X	186 132	N	X	X	N
3149120551	Tarpaulins and other covers, fitted, made from cotton, nylon, polyester, and other industrial fabrics	125	X	X	186 132	84	X	X	121 229

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314912	Canvas and related products—Con.								
3149120	Canvas and related products made from cotton, nylon, polyester, and other industrial fabrics—Con.								
31491206	All other canvas products, including canvas sails, except bags	N	X	X	271 738	N	X	X	N
3149120661	Canvas sails, made from cotton, nylon, polyester, and other industrial fabrics	40	X	X	53 083	41	X	X	46 362
3149120671	All other canvas products, except bags, made from cotton, nylon, polyester, and other industrial fabrics	170	X	X	218 655	123	X	X	164 176
3149120Y	Canvas and related products, nsk	N	X	X	445 862	N	X	X	N
3149120YVW	Canvas and related products, nsk, for nonadministrative-record establishments	N	X	X	311 363	N	X	X	157 593
3149120YWY	Canvas and related products, nsk, for administrative-record establishments	N	X	X	134 499	N	X	X	70 660
314991	Rope, cordage, and twine	N	X	X	695 624	N	X	X	625 362
3149911	Cordage and twine, hard fiber	N	X	X	49 323	N	X	X	124 676
31499111	Cordage and twine, hard fiber	N	X	X	42 847	N	X	X	N
3149911111	Cordage and twine, hard fiber cordage rope and cable (including products of 3 strands or more) each strand composed of 2 yarns or more mil lb.	9	X	S	20 684	13	X	189.9	44 117
3149911121	Cordage and twine, hard fiber twine (including products laid or twisted, but not stranded, and twine of hard fiber and paper)	6	X	X	22 163	3	X	X	D
3149911Y	Cordage and twine, hard fiber, nsk	N	X	X	6 476	N	X	X	N
3149911YVW	Cordage and twine, hard fiber, nsk	N	X	X	6 476	N	X	X	D
3149913	Cordage and twine, soft fiber (except cotton)	N	X	X	503 547	N	X	X	362 559
31499131	Fish line and fish netting, commercial and recreational, manmade fiber	N	X	X	78 003	N	X	X	N
3149913111	Fish line, commercial, manmade fiber	7	X	X	D	7	X	X	5 315
3149913121	Fish line, recreational, manmade fiber	8	X	X	44 920	5	X	X	D
3149913131	Fish nets and fish netting, commercial, manmade fiber	10	X	X	28 072	10	X	X	20 893
3149913141	Fish nets and fish netting, recreational, manmade fiber	2	X	X	D	6	X	X	2 964
31499132	Rope three-sixteenths in. diameter and larger, manmade fiber	N	X	X	201 918	N	X	X	N
3149913251	Rope three-sixteenths in. diameter and larger, manmade fiber mil lb.	28	X	104.8	201 918	32	X	58.5	118 888
31499133	Industrial and agriculture twine, less than three-sixteenths in. diameter, manmade fiber	N	X	X	90 820	N	X	X	N
3149913361	Industrial and agriculture twine, less than three-sixteenths in. diameter, manmade fiber mil lb.	12	X	103.4	90 820	14	X	95.8	87 425
31499134	All other cordage and twine, manmade fiber	N	X	X	100 832	N	X	X	N
3149913471	All other cordage and twine, manmade fiber mil lb.	29	X	S	100 832	29	X	149.2	70 273
31499135	Cordage and twine, soft fiber (except cotton and manmade, including hemp, jute, and paper)	N	X	X	D	N	X	X	N
3149913581	Cordage and twine, soft fiber (except cotton and manmade, including hemp, jute, and paper)	4	X	X	D	7	X	X	14 009
3149913Y	Cordage and twine, soft fiber (except cotton), nsk	N	X	X	D	N	X	X	N
3149913YVW	Cordage and twine, soft fiber (except cotton), nsk	N	X	X	D	N	X	X	D
3149915	Cotton cordage and twine	N	X	X	59 002	N	X	X	73 899
31499151	Cotton cordage and twine	N	X	X	55 525	N	X	X	N
3149915111	Cotton cordage and twine, braided, regardless of size	7	X	X	27 874	9	X	X	18 428
3149915121	Cotton cordage, wrapping, seine, and other twine	7	X	X	13 604	5	X	X	22 608
3149915131	All other cotton cordage and twine, including fish nets	9	X	X	14 047	10	X	X	17 981
3149915Y	Cotton cordage and twine, nsk	N	X	X	3 477	N	X	X	N
3149915YVW	Cotton cordage and twine, nsk	N	X	X	3 477	N	X	X	14 882

Table 1. **Products Statistics: 1997 and 1992—Con.**

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NAICS product code	Product	1997				1992			
		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
314991	Rope, cordage, and twine— Con.								
314991W	Rope, cordage, and twine, nsk, total	N	X	X	83 752	N	X	X	64 228
314991WY	Rope, cordage, and twine, nsk, total	N	X	X	83 752	N	X	X	N
314991WYWW	Rope, cordage, and twine, nsk, for nonadministrative-record establishments	N	X	X	48 689	N	X	X	43 323
314991WYWY	Rope, cordage, and twine, nsk, for administrative-record establishments	N	X	X	35 063	N	X	X	20 905
314992	Tire cord and tire fabrics	N	X	X	1 294 525	N	X	X	928 006
3149920	Tire cord and tire fabrics @	N	X	X	1 294 525	N	X	X	928 006
31499201	Tire cord and tire fabrics	N	X	X	1 294 525	N	X	X	N
3149920100	Tire cord and tire fabrics	16	N	636.1	1 294 525	N	N	N	N
3149920Y	Tire cord and tire fabrics, nsk	N	X	X	—	N	X	X	N
3149920YWV	Tire cord and tire fabrics, nsk, for nonadministrative-record establishments	N	X	X	—	N	X	X	N
3149920WY	Tire cord and tire fabrics, nsk, for administrative record establishments	N	X	X	—	N	X	X	—
314999	All other miscellaneous textile products	N	X	X	6 089 265	N	X	X	N
3149991	Recovered fibers, processed mill waste, and related products	N	X	X	436 925	N	X	X	292 964
31499911	Recovered fibers, processed mill waste and related products	N	X	X	416 252	N	X	X	N
3149991111	Fibers recovered from mill waste, manmade fibers	20	X	S	99 158	23	X	P530.0	134 808
3149991121	Fibers recovered from mill waste, all other fibers, including oakum	10	X	S	88 686	14	X	P129.6	50 443
3149991131	Flock, all fibers (new stock, waste, or reclaimed fiber)	7	X	Q549.5	228 408	13	X	Q163.0	91 294
3149991Y	Recovered fibers, processed mill waste and related products, nsk	N	X	X	20 673	N	X	X	N
3149991YWV	Recovered fibers, processed mill waste and related products, nsk	N	X	X	20 673	N	X	X	16 419
3149993	Paddings and upholstery filling, batting, and wadding (except foam rubber and plastics)	N	X	X	562 674	N	X	X	534 982
31499931	Paddings and upholstery filling, batting, and wadding (except foam rubber and plastics)	N	X	X	549 497	N	X	X	N
3149993111	Automotive pads (except foam rubber and plastics)	12	X	S	102 505	11	X	S	81 917
3149993121	All other paddings (except foam rubber and plastics)	24	X	S	90 321	22	X	P44.7	81 159
3149993131	Batting, wadding, and mattress felts (except foam rubber and plastics) made from cotton linters, cotton waste, raw cotton, and all other natural fibers	26	X	Q224.6	95 425	N	X	X	N
3149993141	Batting, wadding, and mattress felts (except foam rubber and plastics) made from manmade fibers	22	X	S	195 616	34	X	X	141 939
3149993151	Upholstery filling (except foam rubber and plastics)	13	X	S	65 630	14	X	P73.3	77 014
3149993Y	Paddings and upholstery filling, batting, and wadding (except foam rubber and plastics) nsk	N	X	X	13 177	N	X	X	N
3149993YWV	Paddings and upholstery filling, batting, and wadding (except foam rubber and plastics) nsk	N	X	X	13 177	N	X	X	38 832
3149995	Embroideries (except Schiffli machine products)	N	X	X	556 538	N	X	X	414 886
31499951	Embroideries (except Schiffli machine products)	N	X	X	556 538	N	X	X	N
3149995100	Embroideries (except Schiffli machine products)	330	X	X	556 538	165	X	X	414 886
3149997	Other trimmings and findings	N	X	X	263 810	N	X	X	N
31499971	Other trimmings and findings	N	X	X	202 666	N	X	X	N
3149997111	All other nonapparel, including furniture trimmings (except automobile)	22	X	X	72 686	39	X	X	75 408
3149997121	Bias binding for the apparel trade and notion trade (except fused or sealed edge)	34	X	X	68 221	36	X	X	62 345
3149997131	Ribbons, fused or sealed edge (not woven with fast edges)	28	X	X	61 759	42	X	X	124 602
3149997Y	Other trimmings and findings, nsk	N	X	X	61 144	N	X	X	N
3149997YWV	Other trimmings and findings, nsk	N	X	X	61 144	N	X	X	25 770

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
314999	All other miscellaneous textile products—Con.								
3149999	Fabricated textile products, nec	N	X	X	3 265 358	N	X	X	N
31499991	Fabricated automobile seat covers and tire covers	N	X	X	554 502	N	X	X	N
3149999111	Fabricated automobile seat covers and tire covers .. 1,000 sets..	35	X	S	554 502	35	X	X	383 062
31499992	Fabricated flags, banners, and similar emblems	N	X	X	272 079	N	X	X	N
3149999231	Fabricated flags, banners, and similar emblems	110	X	X	272 079	142	X	X	284 532
31499993	Fabricated cut and sewn carpet and rugs	N	X	X	226 616	N	X	X	N
3149999371	Fabricated carpet and rugs made from carpeting not made in this plant (cutting, sewing, and binding only)	37	X	X	226 616	30	X	X	252 073
31499994	Fabricated textile products, including sleeping bags, parachutes, industrial shop towels, and carpet tiles	N	X	X	2 010 037	N	X	X	N
3149999421	Fabricated sleeping bags	16	X	S	207 152	16	X	X	191 855
3149999441	Fabricated parachutes	17	X	P46.8	58 990	19	X	X	82 552
3149999451	Fabricated industrial shop towels	4	X	S	37 289	7	X	S	37 745
3149999461	Fabricated carpet tiles (tufted and needlepunched) cut from broadloom	9	X	S	439 573	10	X	X	220 530
3149999481	Miscellaneous fabricated products, made primarily of fabric	346	X	X	1 267 033	N	X	X	N
3149999Y	Fabricated textile products, nec, nsk	N	X	X	202 124	N	X	X	N
3149999YWV	Fabricated textile products, nec, nsk	N	X	X	202 124	N	X	X	N
314999W	All other miscellaneous textile products, nsk, total	N	X	X	1 003 960	N	X	X	N
314999WY	All other miscellaneous textile products, nsk, total	N	X	X	1 003 960	N	X	X	N
314999WYWV	All other miscellaneous textile products, nsk, for nonadministrative-record establishments	N	X	X	890 468	N	X	X	N
314999WYWY	All other miscellaneous textile products, nsk, for administrative-record establishments	N	X	X	113 492	N	X	X	N
315111	Sheer hosiery	N	X	X	1 572 367	N	X	X	N
3151111	Women's, misses', and girls' finished hosiery, sheer, full-length, knee-length, and below the knee	N	X	X	292 425	N	X	X	N
31511111	Women's, misses', and girls' finished hosiery, sheer, full-length, knee-length, and below the knee	N	X	X	259 287	N	X	X	N
3151111111	Women's, misses', and girls' finished hosiery, sheer, knee-length, stretch and nonstretch	29	X	P26.1	175 804	28	X	33.6	144 454
3151111121	Women's, misses', and girls' finished hosiery, sheer, below the knee, including foot socks, anklets, and midcalf-crew	10	X	S	39 600	23	X	11.2	57 132
3151111131	Women's, misses', and girls' finished hosiery, sheer, full-length, stretch	6	X	S	6 499	12	X	4.1	23 898
3151111141	Women's, misses', and girls' finished hosiery, sheer, full-length, support	7	X	P1.3	18 920	5	X	1.5	12 577
3151111191	Women's, misses', and girls' finished hosiery, sheer, all other full-length	5	X	1.2	18 464	N	X	X	N
3151111Y	Women's, misses', and girls' finished hosiery, sheer, full-length, knee-length, and below the knee, nsk	N	X	X	33 138	N	X	X	N
3151111YWV	Women's, misses', and girls' finished hosiery, sheer, full-length, knee-length, and below the knee, nsk	N	X	X	33 138	N	X	X	N
3151113	Women's, misses', and girls' finished pantyhose, sheer, including tights, all needle	N	X	X	1 132 563	N	X	X	1 394 226
31511131	Women's, misses', and girls' finished pantyhose, sheer, including tights, less than 30 denier, sheer stretch	N	X	X	575 365	N	X	X	N
3151113111	Women's, misses', and girls' finished pantyhose, sheer, including tights, less than 30 denier, sheer stretch	21	X	43.4	575 365	37	X	63.3	644 851

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
315111	Sheer hosiery—Con.								
3151113	Women's, misses', and girls' finished pantyhose, sheer, including tights, all needle—Con.								
31511132	Women's, misses', and girls' finished pantyhose, sheer, including tights, elastomer, control top, no leg support, and opaque stretch, 30 denier or heavier	N	X	X	344 107	N	X	X	N
3151113221	Women's, misses', and girls' finished pantyhose, sheer, including tights, 30 denier or heavier, opaque stretch	22	X	P13.4	237 139	27	X	30.2	259 330
3151113231	Women's, misses', and girls' finished pantyhose, sheer, including tights, elastomer, control top, no leg support	13	X	P4.9	106 968	17	X	15.6	179 685
31511133	Other women's, misses', and girls' finished pantyhose, sheer, including tights, miscellaneous sheers	N	X	X	213 091	N	X	X	N
3151113341	Women's, misses', and girls' finished pantyhose, sheer, including tights, elastomer, leg support, under 35 denier	13	X	9.0	156 726	13	X	9.7	132 325
3151113351	Women's, misses', and girls' finished pantyhose, sheer, including tights, elastomer, leg support, 35 denier or heavier	12	X	1.7	37 971	14	X	8.7	120 056
3151113391	Women's, misses', and girls' finished pantyhose, sheer, including tights, miscellaneous sheers, including stockings, fancies, sewed on legs, waist connected legs, replacable legs, nonstretch, etc.	5	X	1.7	18 394	8	X	94.1	57 979
3151113Y	Women's, misses', and girls' finished pantyhose, sheer, including tights, all needle, nsk	N	X	X	—	N	X	X	N
3151113YWV	Women's, misses', and girls' finished pantyhose, sheer, including tights, all needle, nsk	N	X	X	—	N	X	X	—
3151115	Sheer hosiery (except socks) shipped in the greige	N	X	X	91 169	N	X	X	84 628
31511151	Sheer hosiery (except socks) shipped in the greige	N	X	X	91 169	N	X	X	N
3151115121	Sheer hosiery, shipped in the greige, full-fashioned and seamless, full-length and knee-length (except pantyhose and socks)	7	X	S	27 988	13	X	P7.7	21 537
3151115131	Sheer pantyhose, shipped in the greige	6	X	X	63 181	12	X	X	63 091
3151115Y	Sheer hosiery (except socks) shipped in the greige, nsk	N	X	X	—	N	X	X	N
3151115YWV	Sheer hosiery (except socks) shipped in the greige, nsk	N	X	X	—	N	X	X	—
315111W	Sheer hosiery, nsk, total	N	X	X	56 210	N	X	X	N
315111WY	Sheer hosiery, nsk, total	N	X	X	56 210	N	X	X	N
315111WYWW	Sheer hosiery, nsk, for nonadministrative-record establishments	N	X	X	24 381	N	X	X	N
315111WYWY	Sheer hosiery, nsk, for administrative-record establishments	N	X	X	31 829	N	X	X	N
315119	Other hosiery and socks	N	X	X	2 777 069	N	X	X	N
3151191	Men's finished seamless hosiery and socks, sizes 10 and up	N	X	X	1 300 278	N	X	X	1 134 698
31511911	Men's finished seamless hosiery and socks, sizes 10 and up, anklets, including slack socks, crew socks, and athletic socks, natural fibers, cotton and-or wool, etc.	N	X	X	737 224	N	X	X	N
3151191111	Men's finished seamless hosiery and socks, sizes 10 and up, anklets, including slack socks, crew socks, and athletic socks, natural fibers, cotton and-or wool, etc.	100	X	993.8	737 224	97	X	P62.8	460 815
31511912	Men's finished seamless hosiery and socks, sizes 10 and up, anklets, including slack socks, crew socks, and athletic socks, manmade fibers	N	X	X	134 154	N	X	X	N
3151191221	Men's finished seamless hosiery and socks, sizes 10 and up, anklets, including slack socks, crew socks, and athletic socks, manmade fibers	36	X	912.1	134 154	60	X	P24.7	218 122

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
315119	Other hosiery and socks—Con.								
3151191	Men's finished seamless hosiery and socks, sizes 10 and up—Con.								
31511913	Men's finished seamless hosiery and socks, sizes 10 and up, midcalf, including half hose, natural fibers, cotton and-or wool, etc.	N	X	X	220 088	N	X	X	N
3151191331	Men's finished seamless hosiery and socks, sizes 10 and up, midcalf, including half hose, natural fibers, cotton and-or wool, etc. mil doz pairs..	29	X	S	220 088	38	X	59.3	226 973
31511914	Men's finished seamless hosiery and socks, sizes 10 and up, midcalf, including half hose, manmade fibers	N	X	X	73 100	N	X	X	N
3151191441	Men's finished seamless hosiery and socks, sizes 10 and up, midcalf, including half hose, manmade fibers	11	X	S	73 100	29	X	9.0	97 933
31511915	All other men's finished seamless hosiery and socks, sizes 10 and up, including foot socks	N	X	X	126 357	N	X	X	N
3151191551	Men's finished seamless hosiery and socks, sizes 10 and up, knee, including bermuda and campus, natural fibers, cotton and-or wool, etc. mil doz pairs..	13	X	S	39 198	16	X	95.4	45 469
3151191561	Men's finished seamless hosiery and socks, sizes 10 and up, knee, including bermuda and campus, manmade fibers	9	X	6.3	51 335	20	X	7.2	60 518
3151191591	Men's finished seamless hosiery and socks, sizes 10 and up, all other, including foot socks	14	X	S	35 824	14	X	D	D
3151191Y	Men's finished seamless hosiery and socks, sizes 10 and up, nsk	N	X	X	9 355	N	X	X	N
3151191YVV	Men's finished seamless hosiery and socks, sizes 10 and up, nsk	N	X	X	9 355	N	X	X	D
3151193	All other finished hosiery, other than sheer	N	X	X	1 100 974	N	X	X	N
31511931	Women's, misses', girls', and boys', sizes 8-11, knee highs and finished anklets (except sheer), including slack, crew, and athletic socks, all fibers	N	X	X	681 187	N	X	X	N
3151193111	Women's, misses', girls', and boys', sizes 8-11, finished knee-length socks, including bermuda and campus, all fibers	10	X	X	36 106	14	X	X	16 398
3151193121	Women's, misses', girls', and boys', sizes 8-11, finished anklets (except sheer), including slack, crew, and athletic socks, natural fibers, cotton and-or wool, etc.	72	X	X	550 163	80	X	X	527 993
3151193131	Women's, misses', girls', and boys', sizes 8-11, finished anklets (except sheer), including slack, crew, and athletic socks, manmade fibers	27	X	X	94 918	31	X	X	69 780
31511932	Girls' and boys' all other finished hosiery (except anklets), including foot socks, and waist-highs, all fibers	N	X	X	176 406	N	X	X	N
3151193241	Girls' and boys' finished knee-length hosiery (except anklets), including bermuda and campus, natural fibers, cotton and-or wool, etc.	16	X	X	49 872	19	X	X	46 241
3151193251	Girls' and boys' finished knee-length hosiery (except anklets), including bermuda and campus, manmade fibers	11	X	X	47 623	17	X	X	35 084
3151193261	Girls' and boys' all other finished hosiery (except anklets), including foot socks and waist-highs	14	X	X	78 911	12	X	X	22 571
31511933	Infants' and children's, sizes 3-8.5, finished hosiery, including foot socks and waist highs, all fibers	N	X	X	239 924	N	X	X	N
3151193371	Infants' and children's, sizes 3-8.5, finished anklets, including slack socks, crew socks, and athletic socks, natural fibers, cotton and-or wool, etc.	37	X	X	207 248	32	X	X	167 917
3151193381	Infants' and children's, sizes 3-8.5, finished anklets, including slack socks, crew socks, and athletic socks, manmade fibers	7	X	X	8 960	20	X	X	29 608
3151193391	Infants' and children's, sizes 3-8.5, finished knee-length hosiery, including bermuda and campus	4	X	X	7 013	10	X	X	5 868
31511933B1	Infants' and children's, sizes 3-8.5, other finished hosiery, including foot socks and waist-highs	7	X	X	16 703	9	X	X	12 868

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
315119	Other hosiery and socks—Con.								
3151193	All other finished hosiery, other than sheer—Con.								
3151193Y	All other finished hosiery, other than sheer, nsk	N	X	X	3 457	N	X	X	N
3151193YVV	All other finished hosiery, other than sheer, nsk	N	X	X	3 457	N	X	X	N
3151195	Seamless hosiery shipped in the greige	N	X	X	224 767	N	X	X	229 472
31511951	Seamless hosiery shipped in the greige	N	X	X	218 134	N	X	X	N
3151195111	Seamless hosiery shipped in the greige, men's, all types, sizes 10 and up	50	X	X	106 313	53	X	X	101 885
3151195121	Seamless hosiery shipped in the greige, women's and misses' (except full-length and knee-length) girls' and boys'	35	X	X	82 005	47	X	X	91 060
3151195131	Seamless hosiery shipped in the greige, children's and infants'	14	X	X	29 816	21	X	X	33 779
3151195Y	Seamless hosiery shipped in the greige, nsk	N	X	X	6 633	N	X	X	N
3151195YVV	Seamless hosiery shipped in the greige, nsk	N	X	X	6 633	N	X	X	2 748
315119W	Other hosiery and socks, nsk, total	N	X	X	151 050	N	X	X	N
315119WY	Other hosiery and socks, nsk, total	N	X	X	151 050	N	X	X	N
315119WYWW	Other hosiery and socks, nsk, for nonadministrative-record establishments	N	X	X	95 874	N	X	X	N
315119WYWY	Other hosiery and socks, nsk, for administrative-record establishments	N	X	X	55 176	N	X	X	N
315191	Knit outerwear	N	X	X	3 927 154	N	X	X	N
3151911	Men's and junior boys' sweaters (from yarns or from fabrics knit in the same establishment)	N	X	X	125 773	N	X	X	172 255
31519111	Men's and junior boys' sweaters (from yarns or from fabrics knit in the same establishment)	N	X	X	125 773	N	X	X	N
3151911100	Men's and junior boys' sweaters (from yarns or from fabrics knit in the same establishment) \$	28	X	X	125 773	40	X	X	172 255
3151913	Women's, misses', and juniors' sweaters (from yarns or from fabrics knit in the same establishment)	N	X	X	370 325	N	X	X	301 578
31519131	Women's, misses', and juniors' sweaters (from yarns or from fabrics knit in the same establishment)	N	X	X	370 325	N	X	X	N
3151913100	Women's, misses', and juniors' sweaters (from yarns or from fabrics knit in the same establishment) \$	52	X	X	370 325	60	X	X	301 578
3151915	Girls', little boys', and infants' sweaters (from yarns or from fabrics knit in the same establishment)	N	X	X	41 709	N	X	X	25 783
31519151	Girls', little boys', and infants' sweaters (from yarns or from fabrics knit in the same establishment)	N	X	X	41 709	N	X	X	N
3151915100	Girls', little boys', and infants' sweaters (from yarns or from fabrics knit in the same establishment) \$	8	X	X	41 709	11	X	X	25 783
3151917	Men's and junior boys' knit shirts (from yarns or from fabrics knit in the same establishment)	N	X	X	1 657 225	N	X	X	1 449 207
31519171	Men's and junior boys' knit shirts (from yarns or from fabrics knit in the same establishment)	N	X	X	1 657 225	N	X	X	N
3151917100	Men's and junior boys' knit shirts (from yarns or from fabrics knit in the same establishment) \$	33	X	X	1 657 225	40	X	X	1 449 207
3151919	Women's, misses', and juniors' knit shirts and blouses (from yarns or from fabrics knit in the same establishment)	N	X	X	203 213	N	X	X	179 154
31519191	Women's, misses', and juniors' knit shirts and blouses (from yarns or from fabrics knit in the same establishment)	N	X	X	203 213	N	X	X	N
3151919100	Women's, misses', and juniors' knit shirts and blouses (from yarns or from fabrics knit in the same establishment) \$	30	X	X	203 213	26	X	X	179 154

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
315191	Knit outerwear—Con.								
315191A	Girls', little boys', and infants' knit shirts and blouses (from yarns or from fabrics knit in the same establishment)	N	X	X	18 149	N	X	X	64 018
315191A1	Girls', little boys', and infants' knit shirts and blouses (from yarns or from fabrics knit in the same establishment)	N	X	X	18 149	N	X	X	N
315191A100	Girls', little boys', and infants' knit shirts and blouses (from yarns or from fabrics knit in the same establishment) \$	6	X	X	18 149	9	X	X	64 018
315191C	All other knit outerwear products	N	X	X	684 343	N	X	X	743 102
315191C1	All other knit outerwear products	N	X	X	661 066	N	X	X	N
315191C110	Women's, misses', and juniors' knit outerwear (except sweaters, shirts, and blouses) (from yarns or from fabrics knit in the same establishment)	26	X	X	364 149	25	X	X	D
315191C120	Men's and junior boys' knit outerwear (except sweaters and shirts) (from yarns or from fabrics knit in the same establishment)	23	X	X	255 937	20	X	X	460 386
315191C130	Girls', little boys', and infants' knit outerwear (except sweaters, shirts, and blouses) (from yarns or from fabrics knit in the same establishment)	12	X	X	40 980	10	X	X	150 926
315191CY	All other knit outerwear products, nsk	N	X	X	23 277	N	X	X	N
315191CYWV	All other knit outerwear products, nsk	N	X	X	23 277	N	X	X	D
315191E	Contract and commission receipts for knitting only or knitting and finishing outerwear	N	X	X	251 542	N	X	X	411 242
315191E1	Contract and commission receipts for knitting only or knitting and finishing outerwear	N	X	X	251 542	N	X	X	N
315191E100	Contract and commission receipts for knitting only or knitting and finishing outerwear	174	X	X	251 542	191	X	X	399 509
315191G	Knit gloves and mittens, including fabric-and-leather combinations (made in knitting mills)	N	X	X	89 166	N	X	X	N
315191G1	Knit gloves and mittens, including fabric-and-leather combinations (made in knitting mills)	N	X	X	89 166	N	X	X	N
315191G100	Knit gloves and mittens, including fabric-and-leather combinations (made in knitting mills) \$	14	X	X	89 166	14	X	X	108 006
315191W	Knit outerwear, nsk, total	N	X	X	485 709	N	X	X	N
315191WY	Knit outerwear, nsk, total	N	X	X	485 709	N	X	X	N
315191WYWV	Knit outerwear, nsk, for nonadministrative-record establishments	N	X	X	354 929	N	X	X	N
315191WYWY	Knit outerwear, nsk, for administrative-record establishments	N	X	X	130 780	N	X	X	N
315192	Knit underwear and nightwear	N	X	X	785 521	N	X	X	N
3151921	Men's and junior boys' knit underwear and nightwear	N	X	X	514 835	N	X	X	D
31519211	Men's and junior boys' knit underwear and nightwear	N	X	X	514 835	N	X	X	N
3151921110	Men's and junior boys' knit underwear (from yarns or from fabrics knit in the same establishment) \$	16	X	X	513 528	23	X	X	725 936
3151921120	Men's and junior boys' knit nightwear (except robes) (from yarns or from fabrics knit in the same establishment) \$	3	X	X	1 307	2	X	X	D
3151921Y	Men's and junior boys' knit underwear and nightwear, nsk	N	X	X	—	N	X	X	N
3151921YWV	Men's and junior boys' knit underwear and nightwear, nsk	N	X	X	—	N	X	X	—

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315192	Knit underwear and nightwear—Con.								
3151923	Women's, misses', juniors', girls', little boys', and infants' knit underwear and nightwear.....	N	X	X	258 514	N	X	X	405 198
31519231	Women's, misses', juniors', girls', little boys', and infants' knit underwear and nightwear.....	N	X	X	258 514	N	X	X	N
3151923110	Women's, misses', juniors', girls', little boys', and infants' knit underwear, (except girdles) (from yarns or from fabrics knit in the same establishment) \$	19	X	X	221 506	31	X	X	351 409
3151923120	Women's, misses', juniors', girls', little boys', and infants' knit nightwear, (except robes) (from yarns or from fabrics knit in the same establishment) \$	5	X	X	37 008	13	X	X	53 789
3151923Y	Women's, misses', juniors', girls', little boys', and infants' knit underwear and nightwear, nsk	N	X	X	—	N	X	X	N
3151923YVV	Women's, misses', juniors', girls', little boys', and infants' knit underwear and nightwear, nsk	N	X	X	—	N	X	X	—
3151927	Women's, misses', and juniors' knit brassieres, girdles, and allied garments	N	X	X	D	N	X	X	N
31519271	Women's, misses', and juniors' knit brassieres, girdles, and allied garments	N	X	X	D	N	X	X	N
3151927110	Women's, misses', and juniors' knit corsets, girdles, including maternity and panty girdles, and combinations (except surgical corsets) (from yarns or from fabrics knit in the same establishment) \$	—	X	X	—	N	X	X	N
3151927120	Women's, misses', and juniors' knit brassieres, including maternity, bralettes, and bandeaux (from yarns or from fabrics knit in the same establishment) \$	1	X	X	D	N	X	X	N
3151927Y	Women's, misses', and juniors' knit brassieres, girdles, and allied garments, nsk	N	X	X	—	N	X	X	N
3151927YVV	Women's, misses', and juniors' knit brassieres, girdles, and allied garments, nsk	N	X	X	—	N	X	X	N
315192W	Knit underwear and nightwear, nsk, total	N	X	X	D	N	X	X	N
315192WY	Knit underwear and nightwear, nsk, total	N	X	X	D	N	X	X	N
315192WYWW	Knit underwear and nightwear, nsk, for nonadministrative-record establishments	N	X	X	D	N	X	X	N
315192WYWY	Knit underwear and nightwear, nsk, for administrative-record establishments	N	X	X	D	N	X	X	N
315211	Contract men's and boys' cut and sew apparel.....	N	X	X	1 832 910	N	X	X	N
3152111	Receipts for contract and commission work on men's, junior boys', little boys', and infants' suits and tailored coats and jackets	N	X	X	317 987	N	X	X	N
31521111	Receipts for contract and commission work on men's, junior boys', little boys', and infants' suits and tailored coats and jackets	N	X	X	317 987	N	X	X	N
3152111100	Receipts for contract and commission work on men's, junior boys', little boys', and infants' suits and tailored coats and jackets	71	X	X	317 987	97	X	X	281 160
3152113	Receipts for contract and commission work on men's, junior boys', little boys', and infants' shirts (except work shirts)	N	X	X	536 523	N	X	X	N
31521131	Receipts for contract and commission work on men's, junior boys', little boys', and infants' shirts (except work shirts)	N	X	X	536 523	N	X	X	N
3152113100	Receipts for contract and commission work on men's, junior boys', little boys', and infants' shirts (except work shirts)	161	X	X	536 523	240	X	X	599 335

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315211	Contract men's and boys' cut and sew apparel—Con.								
3152115	Receipts for contract and commission work on men's, junior boys', little boys', and infants' underwear and nightwear	N	X	X	123 634	N	X	X	67 129
31521151	Receipts for contract and commission work on men's, junior boys', little boys', and infants' underwear and nightwear	N	X	X	123 634	N	X	X	N
3152115100	Receipts for contract and commission work on men's, junior boys', little boys', and infants' underwear and nightwear	34	X	X	123 634	22	X	X	67 129
3152117	Receipts for contract and commission work on men's, junior boys', little boys', and infants' trousers and slacks	N	X	X	425 485	N	X	X	N
31521171	Receipts for contract and commission work on men's, junior boys', little boys', and infants' trousers and slacks	N	X	X	425 485	N	X	X	N
3152117100	Receipts for contract and commission work on men's, junior boys', little boys', and infants' trousers and slacks	107	X	X	425 485	162	X	X	634 665
3152119	Receipts for contract and commission work on men's and junior boys' work clothing (except jeans and jean-cut casual slacks)	N	X	X	72 466	N	X	X	N
31521191	Receipts for contract and commission work on men's and junior boys' work clothing (except jeans and jean-cut casual slacks)	N	X	X	72 466	N	X	X	N
3152119100	Receipts for contract and commission work on men's and junior boys' work clothing (except jeans and jean-cut casual slacks)	34	X	X	72 466	38	X	X	122 976
315211B	Receipts for contract and commission work on men's, junior boys', little boys', and infants' outerwear, nec	N	X	X	289 147	N	X	X	N
315211B1	Receipts for contract and commission work on men's, junior boys', little boys', and infants' outerwear, nec	N	X	X	289 147	N	X	X	N
315211B100	Receipts for contract and commission work on men's, junior boys', little boys', and infants' outerwear, nec	200	X	X	289 147	215	X	X	478 585
315211D	Receipts for contract and commission work on men's, junior boys', and little boys' robes	N	X	X	D	N	X	X	N
315211D1	Receipts for contract and commission work on men's, junior boys', and little boys' robes	N	X	X	D	N	X	X	N
315211D100	Receipts for contract and commission work on men's, junior boys', and little boys' robes	4	X	X	D	N	X	X	N
315211F	Receipts for contract and commission work on men's, junior boys', and little boys' raincoats and other waterproof outer garments	N	X	X	D	N	X	X	N
315211F1	Receipts for contract and commission work on men's, junior boys', and little boys' raincoats and other waterproof outer garments	N	X	X	D	N	X	X	N
315211F100	Receipts for contract and commission work on men's, junior boys', and little boys' raincoats and other waterproof outer garments	2	X	X	D	N	X	X	N
315211H	Receipts for contract and commission work on men's, junior boys', and little boys' embroidering (except Schiffli machine)	N	X	X	31 489	N	X	X	N
315211H1	Receipts for contract and commission work on men's, junior boys', and little boys' embroidering (except Schiffli machine), including tucking, pleating, hemstitching, and buttonholing for the trade	N	X	X	31 489	N	X	X	N
315211H100	Receipts for contract and commission work on men's, junior boys', and little boys' embroidering (except Schiffli machine), including tucking, pleating, hemstitching, and buttonholing for the trade	50	X	X	31 489	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
315211	Contract men's and boys' cut and sew apparel—Con.								
315211W	Contract men's and boys' cut and sew apparel, nsk, total	N	X	X	6 673	N	X	X	N
315211WY	Contract men's and boys' cut and sew apparel, nsk, total	N	X	X	6 673	N	X	X	N
315211WYWW	Contract men's and boys' cut and sew apparel, nsk, for nonadministrative-record establishments	N	X	X	—	N	X	X	N
315211WYWY	Contract men's and boys' cut and sew apparel, nsk, for administrative-record establishments	N	X	X	6 673	N	X	X	N
315212	Contract women's and girls' cut and sew apparel	N	X	X	3 993 291	N	X	X	N
3152121	Receipts for contract and commission work on women's, misses', juniors', girls', and infants' shirts and blouses	N	X	X	511 214	N	X	X	N
31521211	Receipts for contract and commission work on women's, misses', juniors', girls', and infants' shirts and blouses	N	X	X	511 214	N	X	X	N
3152121100	Receipts for contract and commission work on women's, misses', juniors', girls', and infants' shirts and blouses	742	X	X	511 214	734	X	X	708 130
3152123	Receipts for contract and commission work on women's, misses', juniors', girls', and infants' dresses	N	X	X	1 027 767	N	X	X	N
31521231	Receipts for contract and commission work on women's, misses', juniors', girls', and infants' dresses	N	X	X	1 027 767	N	X	X	N
3152123100	Receipts for contract and commission work on women's, misses', juniors', girls', and infants' dresses	1 362	X	X	1 027 767	N	X	X	N
3152125	Receipts for contract and commission work on women's, misses', juniors', girls', and infants' coats, suits, skirts, and jackets	N	X	X	372 099	N	X	X	N
31521251	Receipts for contract and commission work on women's, misses', juniors', girls', and infants' coats, suits, skirts, and jackets	N	X	X	372 099	N	X	X	N
3152125100	Receipts for contract and commission work on women's, misses', juniors', girls', and infants' coats, suits, skirts, and jackets	376	X	X	372 099	539	X	X	551 835
3152127	Receipts for contract and commission work on women's, misses', juniors', girls', and infants' outerwear, nec	N	X	X	1 779 161	N	X	X	N
31521271	Receipts for contract and commission work on women's, misses', juniors', girls', and infants' outerwear, nec	N	X	X	1 779 161	N	X	X	N
3152127100	Receipts for contract and commission work on women's, misses', juniors', girls', and infants' outerwear, nec	2 137	X	X	1 779 161	N	X	X	N
3152129	Receipts for contract and commission work on women's, misses', juniors', girls', and infants' underwear and nightwear	N	X	X	103 559	N	X	X	N
31521291	Receipts for contract and commission work on women's, misses', juniors', girls', and infants' underwear and nightwear	N	X	X	103 559	N	X	X	N
3152129100	Receipts for contract and commission work on women's, misses', juniors', girls', and infants' underwear and nightwear	74	X	X	103 559	N	X	X	N
315212B	Receipts for contract and commission work on brassieres, corsets, and allied garments	N	X	X	64 342	N	X	X	22 557
315212B1	Receipts for contract and commission work on brassieres, corsets, and allied garments	N	X	X	64 342	N	X	X	N
315212B100	Receipts for contract and commission work on brassieres, corsets, and allied garments	40	X	X	64 342	9	X	X	22 557

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315212	Contract women's and girls' cut and sew apparel—Con.								
315212D	Receipts for contract and commission work on women's, misses', juniors', and girls' robes and dressing gowns	N	X	X	D	N	X	X	N
315212D1	Receipts for contract and commission work on women's, misses', juniors', and girls' robes and dressing gowns	N	X	X	D	N	X	X	N
315212D100	Receipts for contract and commission work on women's, misses', juniors', and girls' robes and dressing gowns	12	X	X	D	N	X	X	N
315212F	Receipts for contract and commission work on women's, misses', juniors', and girls' raincoats and other waterproof outer garments	N	X	X	D	N	X	X	N
315212F1	Receipts for contract and commission work on women's, misses', juniors', and girls' raincoats and other waterproof outer garments	N	X	X	D	N	X	X	N
315212F100	Receipts for contract and commission work on women's, misses', juniors', and girls' raincoats and other waterproof outer garments	3	X	X	D	N	X	X	N
315212H	Receipts for contract and commission work on women's, misses', juniors', and girls' embroidering (except Schiffli machine)	N	X	X	51 876	N	X	X	N
315212H1	Receipts for contract and commission work on women's, misses', juniors', and girls' embroidering (except Schiffli machine), including tucking, pleating, hemstitching and buttonholing for the trade	N	X	X	51 876	N	X	X	N
315212H100	Receipts for contract and commission work on women's, misses', juniors', and girls' embroidering (except Schiffli machine), including tucking, pleating, hemstitching and buttonholing for the trade	75	X	X	51 876	N	X	X	N
315212J	Receipts for contract and commission work on handkerchiefs, garters, garter belts, academic caps and gowns, costumes, and ecclesiastical vestments	N	X	X	23 851	N	X	X	N
315212J1	Receipts for contract and commission work on handkerchiefs, garters, garter belts, academic caps and gowns, costumes, and ecclesiastical vestments	N	X	X	23 851	N	X	X	N
315212J100	Receipts for contract and commission work on handkerchiefs, garters, garter belts, academic caps and gowns, costumes, and ecclesiastical vestments	22	X	X	23 851	N	X	X	N
315212W	Contract women's and girls' cut and sew apparel, nsk, total	N	X	X	43 148	N	X	X	N
315212WY	Contract women's and girls' cut and sew apparel, nsk, total	N	X	X	43 148	N	X	X	N
315212WYWW	Contract women's and girls' cut and sew apparel, nsk, for nonadministrative-record establishments	N	X	X	947	N	X	X	N
315212WYWY	Contract women's and girls' cut and sew apparel, nsk, for administrative-record establishments	N	X	X	42 201	N	X	X	N
315221	Men's and boys' cut and sew underwear and nightwear	N	X	X	1 592 367	N	X	X	N
3152211	Men's, junior boys', and little boys' underwear @	N	X	X	1 415 208	N	X	X	N
31522110	Men's, junior boys', and little boys' underwear	N	X	X	1 415 208	N	X	X	N
3152211010	Men's and junior boys' underwear \$	41	X	X	D	N	X	X	N
3152211020	Little boys' underwear, including thermal, undershirts, knit undershorts and briefs, and woven boxer shorts \$	5	X	X	D	N	X	X	N
3152211Y	Men's, junior boys', and little boys' underwear, nsk	N	X	X	—	N	X	X	N
3152211YWV	Men's, junior boys', and little boys' underwear, nsk	N	X	X	—	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
315221	Men's and boys' cut and sew underwear and nightwear—Con.								
3152213	Men's, junior boys', and little boys' nightwear, including pajamas, night shirts, etc. (except robes) @	N	X	X	97 279	N	X	X	N
31522130	Men's, junior boys', and little boys' nightwear, including pajamas, night shirts, etc. (except robes)	N	X	X	97 279	N	X	X	N
3152213010	Men's and junior boys' nightwear, including pajamas, night shirts, etc. (except robes) \$	22	X	X	62 319	N	X	X	N
3152213020	Little boys' nightwear, including pajamas, gowns, etc. (except robes) \$	5	X	X	34 960	N	X	X	N
3152213Y	Men's, junior boys', and little boys' nightwear, including pajamas, night shirts, etc. (except robes), nsk	N	X	X	—	N	X	X	N
3152213YWV	Men's, junior boys', and little boys' nightwear, including pajamas, night shirts, etc. (except robes), nsk	N	X	X	—	N	X	X	N
3152215	Men's, junior boys', and little boys' robes @	N	X	X	59 957	N	X	X	N
31522150	Men's, junior boys', and little boys' robes	N	X	X	59 957	N	X	X	N
3152215000	Men's, junior boys', and little boys' robes	14	X	X	59 957	N	X	X	N
315221W	Men's and boys' cut and sew underwear and nightwear, nsk, total	N	X	X	19 923	N	X	X	N
315221WY	Men's and boys' cut and sew underwear and nightwear, nsk, total	N	X	X	19 923	N	X	X	N
315221WYWW	Men's and boys' cut and sew underwear and nightwear, nsk, for nonadministrative-record establishments	N	X	X	13 656	N	X	X	N
315221WYWY	Men's and boys' cut and sew underwear and nightwear, nsk, for administrative-record establishments	N	X	X	6 267	N	X	X	N
315222	Men's and boys' cut and sew suits, coats and overcoats	N	X	X	1 895 567	N	X	X	N
3152221	Men's, junior boys', and little boys' suits, including uniforms @	N	X	X	880 870	N	X	X	N
31522210	Men's, junior boys', and little boys' suits, including uniforms	N	X	X	880 870	N	X	X	N
3152221010	Men's and junior boys' suits, including uniforms	84	X	X	802 782	99	X	X	1 166 640
3152221020	Little boys' suits, including uniforms, overcoats, topcoats, tailored coats and vests, excluding raincoats and heavy nontailored outerwear	17	X	X	78 088	N	X	X	N
3152221Y	Men's, junior boys', and little boys' suits, including uniforms, nsk	N	X	X	—	N	X	X	N
3152221YWV	Men's, junior boys', and little boys' suits, including uniforms, nsk	N	X	X	—	N	X	X	N
3152223	Men's and junior boys' overcoats, topcoats, and tailored car and suburban coats, including uniform and wool water-repellent, excluding raincoats @	N	X	X	89 822	N	X	X	53 424
31522230	Men's and junior boys' overcoats, topcoats, and tailored car and suburban coats, including uniform and wool water-repellent, excluding raincoats	N	X	X	89 822	N	X	X	N
3152223000	Men's and junior boys' overcoats, topcoats, and tailored car and suburban coats, including uniform and wool water-repellent, excluding raincoats	27	X	X	89 822	26	X	X	53 424
3152225	Men's and junior boys' tailored dress and sport coats, including uniform and separate leisure-type, and tailored vests @	N	X	X	809 842	N	X	X	861 192
31522250	Men's and junior boys' tailored dress and sport coats, including uniform and separate leisure-type, and tailored vests	N	X	X	809 842	N	X	X	N
3152225000	Men's and junior boys' tailored dress and sport coats, including uniform and separate leisure-type, and tailored vests	67	X	X	809 842	91	X	X	861 192
3152227	Men's, junior boys', and little boys' raincoats and raincapas @	N	X	X	52 760	N	X	X	N
31522270	Men's, junior boys', and little boys' raincoats and raincapas	N	X	X	52 760	N	X	X	N
3152227000	Men's, junior boys', and little boys' raincoats and raincapas	22	X	X	52 760	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
315222	Men's and boys' cut and sew suits, coats and overcoats—Con.								
315222W	Men's and boys' cut and sew suits, coats and overcoats, nsk, total	N	X	X	62 273	N	X	X	N
315222WY	Men's and boys' cut and sew suits, coats and overcoats, nsk, total	N	X	X	62 273	N	X	X	N
315222WYWW	Men's and boys' cut and sew suits, coats and overcoats, nsk, for non-administrative record establishments	N	X	X	46 788	N	X	X	N
315222WYWY	Men's and boys' cut and sew suits, coats and overcoats, nsk, for administrative record establishments	N	X	X	15 485	N	X	X	N
315223	Men's and boys' cut and sew shirts (except work shirts)	N	X	X	5 289 588	N	X	X	N
3152231	Men's, junior boys', and little boys' knit shirts, dress and sport shirts, including polo, tennis, sweat, tank tops, and T-shirts @	N	X	X	4 079 816	N	X	X	N
31522310	Men's, junior boys', and little boys' knit shirts, dress and sport shirts, including polo, tennis, sweat, tank tops, and T-shirts	N	X	X	4 079 816	N	X	X	N
3152231010	Men's and junior boys' knit shirts, dress and sport shirts, including polo, tennis, sweat, tank tops, and T-shirts \$	282	X	X	3 886 611	N	X	X	N
3152231020	Little boys' knit shirts \$	45	X	X	193 205	N	X	X	N
3152231Y	Men's, junior boys', and little boys' knit shirts, dress and sport shirts, including polo, tennis, sweat, tank tops, and T-shirts, nsk,	N	X	X	—	N	X	X	N
3152231YWV	Men's, junior boys', and little boys' knit shirts, dress and sport shirts, including polo, tennis, sweat, tank tops, and T-shirts, nsk,	N	X	X	—	N	X	X	N
3152233	Men's, junior boys', and little boys' woven dress and sport shirts, including military-type uniform shirts @	N	X	X	984 106	N	X	X	N
31522330	Men's, junior boys', and little boys' woven dress and sport shirts, including military-type uniform shirts	N	X	X	984 106	N	X	X	N
3152233010	Men's and junior boys' woven dress and sport shirts, including military-type uniform shirts	118	X	X	950 084	N	X	X	N
3152233020	Little boys' woven dress and sport shirts, including military-type uniform shirts	11	X	X	34 022	N	X	X	N
3152233Y	Men's, junior boys', and little boys' woven dress and sport shirts, including military-type uniform shirts, nsk	N	X	X	—	N	X	X	N
3152233YWV	Men's, junior boys', and little boys' woven dress and sport shirts, including military-type uniform shirts, nsk	N	X	X	—	N	X	X	N
315223W	Men's and boys' cut and sew shirts (except work shirts), nsk, total	N	X	X	225 666	N	X	X	N
315223WY	Men's and boys' cut and sew shirts (except work shirts), nsk, total	N	X	X	225 666	N	X	X	N
315223WYWW	Men's and boys' cut and sew shirts (except work shirts), nsk, for nonadministrative-record establishments	N	X	X	188 817	N	X	X	N
315223WYWY	Men's and boys' cut and sew shirts (except work shirts), nsk, for administrative-record establishments	N	X	X	36 849	N	X	X	N
315224	Men's and boys' cut and sew trousers, slacks and jeans	N	X	X	6 593 077	N	X	X	N
3152241	Men's, junior boys', and little boys' separate dress and sport trousers, pants, and slacks, including little boys' play garments @	N	X	X	2 796 681	N	X	X	N
31522410	Men's, junior boys', and little boys' separate dress and sport trousers, pants, and slacks, including little boys' play garments	N	X	X	2 796 681	N	X	X	N
3152241010	Men's and junior boys' separate dress and sport trousers, pants, and slacks, including military-type uniform pants (except jeans and jean-cut casual slacks)	137	X	X	2 341 835	N	X	X	N
3152241020	Little boys' play garments, including slacks, playsuits, playshorts, dungarees, jeans, and bibbed overalls	58	X	X	454 846	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
315224	Men's and boys' cut and sew trousers, slacks and jeans—Con.								
3152241	Men's, junior boys', and little boys' separate dress and sport trousers, pants, and slacks, including little boys' play garments @—Con.								
3152241Y	Men's, junior boys', and little boys' separate dress and sport trousers, pants, and slacks, including little boys' play garments, nsk	N	X	X	—	N	X	X	N
3152241YWV	Men's, junior boys', and little boys' separate dress and sport trousers, pants, and slacks, including little boys' play garments, nsk	N	X	X	—	N	X	X	N
3152243	Men's and junior boys' jeans, including dungarees and jean-cut casual slacks @	N	X	X	3 774 490	N	X	X	3 870 557
31522430	Men's and junior boys' jeans, including dungarees and jean-cut casual slacks	N	X	X	3 774 490	N	X	X	N
3152243000	Men's and junior boys' jeans, including dungarees and jean-cut casual slacks	97	X	X	3 774 490	84	X	X	3 870 557
315224W	Men's and boys' cut and sew trousers, slacks and jeans, nsk, total	N	X	X	21 906	N	X	X	N
315224WY	Men's and boys' cut and sew trousers, slacks and jeans, nsk, total	N	X	X	21 906	N	X	X	N
315224WYWW	Men's and boys' cut and sew trousers, slacks and jeans, nsk, for nonadministrative-record establishments	N	X	X	11 589	N	X	X	N
315224WYWY	Men's and boys' cut and sew trousers, slacks and jeans, nsk, for administrative-record establishments	N	X	X	10 317	N	X	X	N
315225	Men's and boys' cut and sew work clothing	N	X	X	1 910 155	N	X	X	N
3152251	Men's and junior boys' work shirts @	N	X	X	481 142	N	X	X	392 242
31522510	Men's and junior boys' work shirts	N	X	X	481 142	N	X	X	N
3152251000	Men's and junior boys' work shirts	44	X	X	481 142	44	X	X	392 242
3152253	Men's and junior boys' work clothing (except shirts and jeans) and washable service apparel, including work pants, overalls, and work jackets @	N	X	X	1 359 617	N	X	X	957 753
31522530	Men's and junior boys' work clothing (except shirts and jeans) and washable service apparel, including work pants, overalls, and work jackets	N	X	X	1 359 617	N	X	X	N
3152253000	Men's and junior boys' work clothing (except shirts and jeans) and washable service apparel, including work pants, overalls, and work jackets	86	X	X	1 359 617	86	X	X	957 753
315225W	Men's and boys' cut and sew work clothing, nsk, total	N	X	X	69 396	N	X	X	N
315225WY	Men's and boys' cut and sew work clothing, nsk, total	N	X	X	69 396	N	X	X	N
315225WYWW	Men's and boys' cut and sew work clothing, nsk, for nonadministrative-record establishments	N	X	X	47 823	N	X	X	N
315225WYWY	Men's and boys' cut and sew work clothing, nsk, for administrative-record establishments	N	X	X	21 573	N	X	X	N
315228	Other men's and boys' cut and sew outerwear	N	X	X	2 264 032	N	X	X	N
3152281	Men's, junior boys', and little boys' heavy nontailored outerwear coats, jackets, and vests, including mackinaws, meltons, and lumber jackets (except ski) @	N	X	X	556 337	N	X	X	596 185
31522810	Men's and junior boys' heavy nontailored outerwear coats, jackets, and vests, including mackinaws, meltons, and lumber jackets (except ski wear)	N	X	X	556 337	N	X	X	N
3152281000	Men's and junior boys' heavy nontailored outerwear coats, jackets, and vests, including mackinaws, meltons, and lumber jackets (except ski wear)	82	X	X	556 337	96	X	X	596 185

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315228	Other men's and boys' cut and sew outerwear—Con.								
3152283	Men's, junior boys', and little boys' shorts, swimwear, sweaters and other outerwear @	N	X	X	1 354 929	N	X	X	N
31522830	Men's, junior boys', and little boys' swimwear and shorts, including dress and athletic	N	X	X	724 136	N	X	X	N
3152283010	Men's and junior boys' swimwear and shorts, including dress and athletic	109	X	X	637 449	106	X	X	621 122
3152283020	Little boys' other outerwear, including shorts and swimwear	25	X	X	86 687	N	X	X	N
31522831	Men's, junior boys', and little boys' sweaters, and men's and junior boys' other outerwear (except swimwear and shorts)	N	X	X	599 774	N	X	X	N
3152283130	Men's and junior boys' sweaters, including sweater vests \$	38	X	X	D	23	X	X	85 955
3152283140	Little boys' sweaters, including sweater vests \$	2	X	X	D	N	X	X	N
3152283150	Men's and junior boys' other outerwear, including ski and snow pants, leggings, light outerwear jackets, etc.	108	X	X	511 860	138	X	X	558 594
3152283Y	Men's, junior boys', and little boys' shorts, swimwear, sweaters and other outerwear, nsk	N	X	X	31 019	N	X	X	N
3152283YWV	Men's, junior boys', and little boys' shorts, swimwear, sweaters and other outerwear, nsk	N	X	X	31 019	N	X	X	N
3152285	Men's, junior boys', and little boys' waterproof outer garments, including smocks, plastics or rubberized	N	X	X	13 822	N	X	X	N
31522851	Men's, junior boys', and little boys' waterproof outer garments, including smocks, plastics or rubberized	N	X	X	13 822	N	X	X	N
3152285100	Men's, junior boys', and little boys' waterproof outer garments, including smocks, plastics and rubberized	8	X	X	13 822	N	X	X	N
315228W	Other men's and boys' cut and sew outerwear, nsk, total	N	X	X	338 944	N	X	X	N
315228WY	Other men's and boys' cut and sew outerwear, nsk, total	N	X	X	338 944	N	X	X	N
315228WYWW	Other men's and boys' cut and sew outerwear, nsk, total, for nonadministrative-record establishments	N	X	X	308 578	N	X	X	N
315228WYWY	Other men's and boys' cut and sew outerwear, nsk, total, for administrative-record establishments	N	X	X	30 366	N	X	X	N
315231	Women's and girls' cut and sew lingerie, loungewear and nightwear	N	X	X	3 858 303	N	X	X	N
3152311	Women's, misses', juniors', and girls' underwear (except brassieres, corsets, and girdles) @	N	X	X	1 193 903	N	X	X	N
31523110	Women's, misses', juniors', and girls' underwear, including slips and teddies (except brassieres, corsets, and girdles)	N	X	X	788 587	N	X	X	N
3152311010	Women's, misses', and juniors' underwear, including slips and teddies (except brassieres, corsets, and girdles) \$	59	X	X	695 549	N	X	X	N
3152311020	Girls' underwear, including slips and teddies (except brassieres, corsets, and girdles) \$	13	X	X	93 038	N	X	X	N
3152311Y	Women's, misses', juniors', and girls' underwear, including slips and teddies (except brassieres, corsets, and girdles), nsk	N	X	X	405 316	N	X	X	N
3152311YWV	Women's, misses', juniors', and girls' underwear, including slips and teddies (except brassieres, corsets, and girdles), nsk	N	X	X	405 316	N	X	X	N

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315231	Women's and girls' cut and sew lingerie, loungewear and nightwear—Con.								
3152313	Women's, misses', juniors', and girls' nightwear, including pajamas and gowns (except robes) @	N	X	X	522 806	N	X	X	N
31523130	Women's, misses', juniors', and girls' nightwear, including pajamas and gowns (except robes)	N	X	X	452 356	N	X	X	N
3152313010	Women's, misses', and juniors' nightwear, including pajamas and gowns (except robes) \$	47	X	X	348 509	N	X	X	N
3152313020	Girls' nightwear, including pajamas and gowns (except robes) \$	11	X	X	103 847	N	X	X	N
3152313Y	Women's, misses', juniors', and girls' nightwear, including pajamas and gowns (except robes), nsk	N	X	X	70 450	N	X	X	N
3152313YVV	Women's, misses', juniors', and girls' nightwear, including pajamas and gowns (except robes), nsk	N	X	X	70 450	N	X	X	N
3152315	Women's, misses', and juniors' brassieres, including maternity, bra-lettes, and bandeaux @	N	X	X	1 458 432	N	X	X	1 191 002
31523150	Brassieres, including maternity, bra-lettes, and bandeaux	N	X	X	1 458 432	N	X	X	N
3152315000	Brassieres, including maternity, bra-lettes, and bandeaux \$	33	X	X	1 458 432	51	X	X	1 191 002
3152317	Women's, misses', and juniors' corsets, girdles, combinations, and accessories @	N	X	X	349 606	N	X	X	N
31523171	Women's, misses', and juniors' corsets, girdles, combinations, and accessories	N	X	X	349 606	N	X	X	N
3152317110	Women's, misses', and juniors' corsets, girdles, including maternity, panty girdles, and combinations (except surgical corsets) \$	23	X	X	347 768	27	X	X	335 242
3152317121	Corset accessories, including clasps and stays	—	X	X	—	N	X	X	—
3152317131	Garters	3	X	D	D	N	X	X	N
3152317151	Garter belts	1	X	X	D	5	X	X	14 930
3152317Y	Women's, misses', and juniors' corsets, girdles, combinations, and accessories, nsk	N	X	X	—	N	X	X	N
3152317YVV	Women's, misses', and juniors' corsets, girdles, combinations, and accessories, nsk	N	X	X	—	N	X	X	N
3152319	Women's, misses', juniors', and girls' robes and dressing gowns @	N	X	X	230 611	N	X	X	N
31523190	Women's, misses', juniors', and girls' robes and dressing gowns	N	X	X	230 611	N	X	X	N
3152319000	Women's, misses', juniors', and girls' robes and dressing gowns	46	X	X	230 611	N	X	X	N
315231W	Women's and girls' cut and sew lingerie, loungewear and nightwear, nsk, total	N	X	X	102 945	N	X	X	N
315231WY	Women's and girls' cut and sew lingerie, loungewear and nightwear, nsk, total	N	X	X	102 945	N	X	X	N
315231WYWW	Women's and girls' cut and sew lingerie, loungewear and nightwear, nsk, for nonadministrative-record establishments	N	X	X	72 286	N	X	X	N
315231WYWY	Women's and girls' cut and sew lingerie, loungewear and nightwear, nsk, for administrative-record establishments	N	X	X	30 659	N	X	X	N
315232	Women's and girls' cut and sew blouses and shirts	N	X	X	4 149 397	N	X	X	N
3152321	Women's, misses', juniors', and girls' knit shirts and blouses, including polo, tennis, cowl, tank, sweat, and T-shirts @	N	X	X	2 243 507	N	X	X	N
31523210	Women's, misses', and juniors' knit shirts and blouses, including polo, tennis, cowl, tank, sweat, and T-shirts	N	X	X	1 899 576	N	X	X	N
3152321010	Women's, misses', and juniors' knit shirts and blouses, including polo, tennis, cowl, tank, sweat, and T-shirts \$	583	X	X	1 899 576	413	X	X	1 495 796
31523211	Girls' knit shirts and blouses, including polo, tennis, tank, sweat, and T-shirts	N	X	X	338 488	N	X	X	N
3152321120	Girls' knit shirts and blouses, including polo, tennis, tank, sweat, and T-shirts \$	74	X	X	338 488	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
315232	Women's and girls' cut and sew blouses and shirts—Con.								
3152321	Women's, misses', juniors', and girls' knit shirts and blouses, including polo, tennis, cowl, tank, sweat, and T-shirts @—Con.								
3152321Y	Women's, misses', juniors', and girls' knit shirts and blouses, including polo, tennis, cowl, tank, sweat, and T-shirts, nsk	N	X	X	5 443	N	X	X	N
3152321YVV	Women's, misses', juniors', and girls' knit shirts and blouses, including polo, tennis, cowl, tank, sweat, and T-shirts, nsk	N	X	X	5 443	N	X	X	N
3152323	Women's, misses', juniors', and girls' woven shirts and blouses @	N	X	X	1 826 263	N	X	X	N
31523230	Women's, misses', juniors', and girls' woven shirts and blouses	N	X	X	1 823 212	N	X	X	N
3152323010	Women's, misses', and juniors' woven shirts and blouses	333	X	X	1 616 279	349	X	X	1 879 794
3152323020	Girls' woven shirts and blouses	32	X	X	206 933	N	X	X	N
3152323Y	Women's, misses', juniors', and girls' woven shirts and blouses, nsk	N	X	X	3 051	N	X	X	N
3152323YVV	Women's, misses', juniors', and girls' woven shirts and blouses, nsk	N	X	X	3 051	N	X	X	N
315232W	Women's and girls' cut and sew blouses and shirts, nsk, total	N	X	X	79 627	N	X	X	N
315232WY	Women's and girls' cut and sew blouses and shirts, nsk, total	N	X	X	79 627	N	X	X	N
315232WYVV	Women's and girls' cut and sew blouses and shirts, nsk, for nonadministrative-record establishments	N	X	X	21 416	N	X	X	N
315232WYVV	Women's and girls' cut and sew blouses and shirts, nsk, for administrative-record establishments	N	X	X	58 211	N	X	X	N
315233	Women's and girls' cut and sew dresses	N	X	X	4 607 780	N	X	X	N
3152330	Women's and girls' dresses @	N	X	X	4 607 780	N	X	X	N
31523300	Women's and girls' dresses	N	X	X	4 383 265	N	X	X	N
3152330010	Women's, misses', and juniors' dresses	553	X	X	3 948 077	N	X	X	N
3152330020	Girls' dresses	105	X	X	435 188	N	X	X	N
3152330Y	Women's and girls' cut and sew dresses, nsk	N	X	X	224 515	N	X	X	N
3152330YVV	Women's and girls' cut and sew dresses, nsk, for non-administrative record establishments	N	X	X	182 112	N	X	X	N
3152330YVV	Women's and girls' cut and sew dresses, nsk, for administrative record establishments	N	X	X	42 403	N	X	X	N
315234	Women's and girls' cut and sew suits, coats, tailored jackets and skirts	N	X	X	3 423 450	N	X	X	N
3152341	Women's, misses', juniors', and girls' coats and capes (except fur, leather, down- and feather-filled, and raincoats) @	N	X	X	532 637	N	X	X	N
31523410	Women's, misses', juniors', and girls' coats and capes (except fur, leather, down- and feather-filled, and raincoats)	N	X	X	521 291	N	X	X	N
3152341010	Women's, misses', and juniors' coats and capes (except fur, leather, down- and feather-filled, ski, and raincoats)	109	X	X	500 214	N	X	X	N
3152341020	Girls' coats, jackets, suits, snowsuits, and coat-and-legging sets (except raincoats)	15	X	X	21 077	N	X	X	N
3152341Y	Women's, misses', juniors', and girls' coats and capes (except fur, leather, down- and feather-filled, and raincoats), nsk	N	X	X	11 346	N	X	X	N
3152341YVV	Women's, misses', juniors', and girls' coats and capes (except fur, leather, down- and feather-filled, and raincoats), nsk	N	X	X	11 346	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
315234	Women's and girls' cut and sew suits, coats, tailored jackets and skirts—Con.								
3152343	Women's, misses', juniors', and girls' suits, pantsuits, and military-type uniform jackets (except ski and snow suits) @	N	X	X	352 249	N	X	X	343 180
31523430	Women's, misses', and juniors' suits, pantsuits, and military-type uniform jackets (except ski and snowsuits)	N	X	X	352 249	N	X	X	N
3152343000	Women's, misses', and juniors' suits, pantsuits, and military-type uniform jackets (except ski and snowsuits)	104	X	X	352 249	113	X	X	343 180
3152345	Women's, misses', juniors', and girls' skirts, tailored jackets, and vests @	N	X	X	2 479 548	N	X	X	N
31523450	Women's, misses', juniors', and girls' separate skirts, including military-type uniform skirts	N	X	X	1 302 038	N	X	X	N
3152345010	Women's, misses', and juniors' separate skirts, including military-type uniform skirts	280	X	X	1 081 883	315	X	X	1 489 933
3152345030	Girls' other outerwear, including skirts, swimwear, sweatpants, leotards, neckwear, and headwear	56	X	X	220 155	N	X	X	N
31523451	Women's, misses', and juniors' tailored jackets and vests, including military-type uniform jackets (except fur and leather)	N	X	X	1 177 510	N	X	X	N
3152345120	Women's, misses', and juniors' tailored jackets and vests, including military-type uniform jackets (except fur and leather)	204	X	X	1 177 510	235	X	X	1 071 841
3152345Y	Women's, misses', juniors', and girls' skirts, tailored jackets, and vests, nsk	N	X	X	—	N	X	X	N
3152345YVV	Women's, misses', juniors', and girls' skirts, tailored jackets, and vests, nsk	N	X	X	—	N	X	X	N
3152347	Women's, misses', juniors', and girls' raincoats and raincapas @	N	X	X	19 563	N	X	X	N
31523470	Women's, misses', juniors', and girls' raincoats and raincapas	N	X	X	19 563	N	X	X	N
3152347000	Women's, misses', juniors', and girls' raincoats and raincapas	12	X	X	19 563	N	X	X	N
315234W	Women's and girls' cut and sew suits, coats, tailored jackets and skirts, nsk, total	N	X	X	39 453	N	X	X	N
315234WY	Women's and girls' cut and sew suits, coats, tailored jackets and skirts, nsk, total	N	X	X	39 453	N	X	X	N
315234WYWW	Women's and girls' cut and sew suits, coats, tailored jackets and skirts, nsk, for nonadministrative-record establishments	N	X	X	8 046	N	X	X	N
315234WYWY	Women's and girls' cut and sew suits, coats, tailored jackets and skirts, nsk, for administrative-record establishments	N	X	X	31 407	N	X	X	N
315239	Other women's and girls' cut and sew outerwear	N	X	X	7 543 529	N	X	X	N
3152391	Women's, misses', and juniors' washable service apparel, including aprons, smocks, hovers, uniforms for maids, nurses, etc., and hospital patient wear @	N	X	X	265 530	N	X	X	285 329
31523910	Women's, misses', and juniors' washable service apparel, including aprons, smocks, hovers, uniforms for maids, nurses, etc., and hospital patient wear	N	X	X	265 530	N	X	X	N
3152391000	Women's, misses', and juniors' washable service apparel, including aprons, smocks, hovers, uniforms for maids, nurses, etc., and hospital patient wear	53	X	X	265 530	71	X	X	285 329
3152393	Women's, misses', and juniors' swimwear @	N	X	X	798 267	N	X	X	587 040
31523930	Women's, misses', and juniors' swimwear	N	X	X	798 267	N	X	X	N
3152393000	Women's, misses', and juniors' swimwear	102	X	X	798 267	74	X	X	587 040

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
315239	Other women's and girls' cut and sew outerwear—Con.								
3152395	Women's, misses', juniors', and girls' slacks, including jeans and jean-cut casual slacks @	N	X	X	4 675 267	N	X	X	N
31523950	Women's, misses', juniors', and girls' slacks, including jeans and jean-cut casual slacks	N	X	X	4 675 267	N	X	X	N
3152395010	Women's, misses', and juniors' slacks, including jeans and jean-cut casual slacks	351	X	X	4 225 028	N	X	X	N
3152395020	Girls' slacks, including jeans and jean-cut casual slacks, and play garments	77	X	X	450 239	N	X	X	N
3152395Y	Women's, misses', juniors', and girls' slacks, including jeans and jean-cut casual slacks, nsk	N	X	X	—	N	X	X	N
3152395YWV	Women's, misses', juniors', and girls' slacks, including jeans and jean-cut casual slacks, nsk	N	X	X	—	N	X	X	N
3152397	Women's, misses', and juniors' sweaters, shorts, and other outerwear, and girls' sweaters @	N	X	X	1 561 337	N	X	X	N
31523970	Women's, misses', and juniors' shorts, including tennis skirts, pedal pushers, bermudas, and jamaicas	N	X	X	739 563	N	X	X	N
3152397020	Women's, misses', and juniors' shorts, including tennis skirts, pedal pushers, bermudas, and jamaicas	148	X	X	739 563	179	X	X	599 368
31523971	Women's, misses', and juniors' sweaters and other outerwear, and girls' sweaters	N	X	X	796 637	N	X	X	N
3152397110	Women's, misses', and juniors' sweaters, including sweater vests \$	82	X	X	357 474	49	X	X	188 912
3152397130	Women's, misses', and juniors' other outerwear, including jogging pants and suits, ski suits and jackets, leotards, and nontailored jackets	155	X	X	430 032	214	X	X	486 873
3152397140	Girls' sweaters, including sweater vests \$	7	X	X	9 131	N	X	X	N
3152397Y	Women's, misses', and juniors' sweaters, shorts, and other outerwear, and girls' sweaters, nsk	N	X	X	25 137	N	X	X	N
3152397YWV	Women's, misses', and juniors' sweaters, shorts, and other outerwear, and girls' sweaters, nsk	N	X	X	25 137	N	X	X	N
3152399	Women's, misses', juniors', and girls' waterproof outer garments, including smocks and dress shields, plastics or rubberized	N	X	X	1 905	N	X	X	N
31523991	Women's, misses', juniors', and girls' waterproof outer garments, including smocks and dress shields, plastics or rubberized	N	X	X	1 905	N	X	X	N
3152399100	Women's, misses', juniors', and girls' waterproof outer garments, including smocks and dress shields, plastics or rubberized	3	X	X	1 905	N	X	X	N
315239W	Other women's and girls' cut and sew outerwear, nsk, total	N	X	X	241 223	N	X	X	N
315239WY	Other women's and girls' cut and sew outerwear, nsk, total	N	X	X	241 223	N	X	X	N
315239WYWV	Other women's and girls' cut and sew outerwear, nsk, for nonadministrative-record establishments	N	X	X	178 181	N	X	X	N
315239WYWY	Other women's and girls' cut and sew outerwear, nsk, for administrative-record establishments	N	X	X	63 042	N	X	X	N
315291	Infants' cut and sew apparel	N	X	X	794 910	N	X	X	N
3152910	Infants' apparel @	N	X	X	794 910	N	X	X	N
31529101	Infants' underwear and nightwear	N	X	X	294 202	N	X	X	N
3152910110	Infants' underwear \$	5	X	X	71 538	N	X	X	N
3152910120	Infants' nightwear, including pajamas, gowns, and robes \$	12	X	X	222 664	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
315291	Infants' cut and sew apparel —Con.								
3152910	Infants' apparel @ —Con.								
31529102	Infants' shirts, dresses, coats and jackets, play garments, sweaters, and other outerwear	N	X	X	497 917	N	X	X	N
3152910230	Infants' knit shirts \$	21	X	X	66 698	N	X	X	N
3152910240	Infants' woven dress and sport shirts	3	X	X	1 014	N	X	X	N
3152910250	Infants' dresses	26	X	X	63 525	N	X	X	N
3152910260	Infants' coats and jackets	8	X	X	7 604	N	X	X	N
3152910270	Infants' play garments, including playsuits, playshorts, dungarees, jeans, bibbed overalls, slacks, halter tops, creepers, and rompers	37	X	X	323 853	N	X	X	N
31529102A0	Infants' sweaters, including sweater vests \$	2	X	X	1 092	N	X	X	N
31529102C0	Infants' other outerwear, including neckwear, headwear, swimwear, leotards, and sweatpants	11	X	X	34 131	N	X	X	N
3152910Y	Infants' cut and sew apparel, nsk, total	N	X	X	2 791	N	X	X	N
3152910YWW	Infants' cut and sew apparel, nsk, for non-administrative record establishments	N	X	X	1 436	N	X	X	N
3152910YWY	Infants' cut and sew apparel, nsk, for administrative record establishments	N	X	X	1 355	N	X	X	N
315292	Fur and leather apparel	N	X	X	232 538	N	X	X	N
3152921	Fur coats, capes, jackets, neck pieces, fur linings, and other fur garments, accessories, and trimmings	N	X	X	94 647	N	X	X	N
31529211	Fur coats, capes, jackets, neck pieces, fur linings, and other fur garments, accessories, and trimmings	N	X	X	94 647	N	X	X	N
3152921100	Fur coats, capes, jackets, neck pieces, fur linings, and other fur garments, accessories, and trimmings	56	X	X	94 647	N	X	X	N
3152925	Leather and sheep-lined clothing	N	X	X	108 192	N	X	X	N
31529251	Men's and junior boys' leather coats and jackets	N	X	X	47 591	N	X	X	N
3152925111	Men's and junior boys' leather coats and jackets, 1,000 units..	24	X	S	47 591	27	X	88.5	98 296
31529252	Leather and sheep-lined clothing, except men's and junior boys' leather coats and jackets	N	X	X	53 995	N	X	X	N
3152925221	Women's, misses', and juniors' leather coats and jackets, 1,000 units..	21	X	117.3	32 990	29	X	71.3	60 640
3152925231	All other leather clothing and sheep-lined clothing, including girls' and little boys', 1,000 units..	14	X	S	21 005	18	X	43.6	27 922
3152925Y	Leather and sheep-lined clothing, nsk	N	X	X	6 606	N	X	X	N
3152925YWW	Leather and sheep-lined clothing, nsk	N	X	X	6 606	N	X	X	N
315292W	Fur and leather apparel, nsk, total	N	X	X	29 699	N	X	X	N
315292WY	Fur and leather apparel, nsk, total	N	X	X	29 699	N	X	X	N
315292WYWW	Fur and leather apparel, nsk, for nonadministrative-record establishments	N	X	X	1 356	N	X	X	N
315292WYWY	Fur and leather apparel, nsk, for administrative-record establishments	N	X	X	28 343	N	X	X	N
315299	All other cut and sew apparel	N	X	X	863 948	N	X	X	N
3152991	Men's and junior boys' athletic uniforms @	N	X	X	206 515	N	X	X	N
31529911	Men's and junior boys' athletic uniforms	N	X	X	206 515	N	X	X	N
3152991100	Men's and junior boys' athletic uniforms	51	X	X	206 515	53	X	X	200 723
3152993	Women's, misses', and juniors' athletic uniforms	N	X	X	72 986	N	X	X	N
31529931	Women's, misses', and juniors' athletic uniforms	N	X	X	72 986	N	X	X	N
3152993100	Women's, misses', and juniors' athletic uniforms	37	X	X	72 986	30	X	X	33 967

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315299	All other cut and sew apparel—Con.								
3152995	Apparel, nec	N	X	X	410 785	N	X	X	N
31529951	Apparel, nec	N	X	X	410 785	N	X	X	N
3152995111	Burial garments	9	X	S	9 987	7	X	X	D
3152995121	Academic caps and gowns, and costumes, including theatrical	52	X	X	306 977	61	X	X	197 832
3152995131	Ecclesiastical vestments and special garments for fraternal orders (except tailored clothing and military-type uniforms)	32	X	X	93 821	47	X	X	59 637
3152995Y	Apparel, nec, nsk	N	X	X	—	N	X	X	N
3152995YVW	Apparel, nec, nsk	N	X	X	—	N	X	X	N
315299W	All other cut and sew apparel, nsk, total	N	X	X	173 662	N	X	X	N
315299WY	All other cut and sew apparel, nsk, total	N	X	X	173 662	N	X	X	N
315299WYVW	All other cut and sew apparel, nsk, for nonadministrative-record establishments	N	X	X	148 055	N	X	X	N
315299WYVY	All other cut and sew apparel, nsk, for administrative-record establishments	N	X	X	25 607	N	X	X	N
315991	Hats, caps, and millinery	N	X	X	861 088	N	X	X	864 723
3159911	Hats and hat bodies, except cloth and millinery	N	X	X	174 249	N	X	X	178 615
31599111	Hats and hat bodies, except cloth and millinery	N	X	X	173 844	N	X	X	N
3159911111	Finished straw hats, except harvest hats, men's and junior boys'	24	X	234.8	47 533	28	X	P343.8	55 912
3159911121	Wool-felt finished hats, excluding millinery	14	X	212.1	33 481	14	X	309.2	34 685
3159911131	Fur-felt finished hats, excluding millinery	13	X	116.5	74 964	11	X	102.2	44 544
3159911141	Hat bodies, except hat bodies finished into hats or millinery in the same plant	11	X	192.5	17 866	8	X	1619.4	43 474
3159911Y	Hats and hat bodies, except cloth and millinery, nsk	N	X	X	405	N	X	X	N
3159911YVW	Hats and hat bodies, except cloth and millinery, nsk	N	X	X	405	N	X	X	—
3159913	Cloth hats and caps	N	X	X	526 969	N	X	X	493 406
31599131	Cloth hats and caps	N	X	X	526 969	N	X	X	N
3159913111	Men's and junior boys' cloth hats, except uniform	42	X	2 586.4	67 299	34	X	S	73 127
3159913121	Men's and junior boys' caps, except uniform	68	X	S	386 675	62	X	P7 944.8	337 435
3159913131	Men's and junior boys' uniform hats and caps	22	X	S	28 651	30	X	S	43 992
3159913141	All other hats and caps (harvest hats, women's uniform hats and caps, headwear made from purchased knit fabrics, etc.)	24	X	S	44 344	16	X	772.5	25 652
3159913Y	Cloth hats and caps, nsk	N	X	X	—	N	X	X	N
3159913YVW	Cloth hats and caps, nsk	N	X	X	—	N	X	X	13 200
3159915	Millinery (women's, misses', juniors', girls', little boys', and infants' trimmed hats made from hat bodies or other millinery materials)	N	X	X	102 084	N	X	X	99 913
31599151	Millinery (women's, misses', juniors', girls', little boys', and infants' trimmed hats made from hat bodies or other millinery materials)	N	X	X	102 084	N	X	X	N
3159915111	Women's, misses', juniors', girls', little boys', and infants' fur-felt and wool-felt millinery	19	X	206.2	28 497	20	X	258.3	31 753
3159915121	Women's, misses', juniors', girls', little boys', and infants' fabrics millinery, made from all types of fabrics (including ribbon and pile fabrics)	14	X	S	32 536	15	X	S	28 426
3159915131	Women's, misses', juniors', girls', little boys', and infants' all other millinery, including flowered millinery, straw (natural or synthetic), whimsies, miniatures, and hat frames	28	X	P425.1	41 051	25	X	S	31 188
3159915Y	Millinery (women's, misses', juniors', girls', little boys', and infants' trimmed hats made from hat bodies or other millinery materials), nsk	N	X	X	—	N	X	X	N
3159915YVW	Millinery (women's, misses', juniors', girls', little boys', and infants' trimmed hats made from hat bodies or other millinery materials), nsk	N	X	X	—	N	X	X	8 546

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315991	Hats, caps, and millinery—Con.								
315991W	Hats, caps, and millinery, nsk, total	N	X	X	57 786	N	X	X	92 789
315991WY	Hats, caps, and millinery, nsk, total	N	X	X	57 786	N	X	X	N
315991WYWW	Hats, caps, and millinery, nsk, for nonadministrative-record establishments	N	X	X	32 764	N	X	X	81 848
315991WYWY	Hats, caps, and millinery, nsk, for administrative-record establishments	N	X	X	25 022	N	X	X	10 941
315992	Gloves and mittens	N	X	X	456 260	N	X	X	N
3159921	Gloves and mittens made from woven or purchased knit fabric @	N	X	X	310 970	N	X	X	204 747
31599210	Gloves and mittens made from woven or purchased knit fabric	N	X	X	310 970	N	X	X	N
3159921000	Gloves and mittens made from woven or purchased knit fabric \$	37	X	X	310 970	35	X	X	204 747
3159923	Gloves and mittens, leather-and-fabric combinations @	N	X	X	29 764	N	X	X	27 315
31599230	Gloves and mittens, leather-and-fabric combinations	N	X	X	29 764	N	X	X	N
3159923000	Gloves and mittens, leather-and-fabric combinations \$	22	X	X	29 764	26	X	X	27 315
3159925	Gloves and mittens, all leather @	N	X	X	90 291	N	X	X	N
31599250	Gloves and mittens, all leather	N	X	X	90 291	N	X	X	N
3159925000	Gloves and mittens, all leather \$	37	X	X	90 291	N	X	X	N
315992W	Gloves and mittens, nsk, total	N	X	X	25 235	N	X	X	N
315992WY	Gloves and mittens, nsk, total	N	X	X	25 235	N	X	X	N
315992WYWW	Gloves and mittens, nsk, for nonadministrative-record establishments	N	X	X	14 079	N	X	X	N
315992WYWY	Gloves and mittens, nsk, for administrative-record establishments	N	X	X	11 156	N	X	X	N
315993	Men's and boys' neckwear	N	X	X	539 871	N	X	X	543 645
3159930	Men's and boys' neckwear	N	X	X	539 871	N	X	X	543 645
31599301	Men's and boys' neckwear, made from woven fabrics, silk and polyester	N	X	X	497 990	N	X	X	N
3159930111	Neckties made from woven fabrics (including prints), all silk	60	X	S	440 775	53	X	N	335 655
3159930121	Neckties made from woven fabrics (including prints), all polyester	21	X	P9 809.0	57 215	39	X	N	73 092
31599302	Men's and boys' neckwear, all other except silk and polyester made from woven fabrics	N	X	X	21 925	N	X	X	N
3159930231	Neckties made from woven fabrics (including prints), all other fabrics (including blends)	11	X	2 705.3	10 375	27	X	N	48 219
3159930241	All other men's and boys' neckwear (including leather neckties and knit or woven mufflers and scarves)	6	X	613.3	11 550	9	X	N	8 560
3159930Y	Men's and boys' neckwear, nsk	N	X	X	19 956	N	X	X	N
3159930YWW	Men's and boys' neckwear, nsk, for non-administrative record establishments	N	X	X	1 617	N	X	X	66 969
3159930YWY	Men's and boys' neckwear, nsk, for administrative record establishments	N	X	X	18 339	N	X	X	11 150
315999	Other apparel accessories and other apparel	N	X	X	1 979 028	N	X	X	N
3159991	Women's, misses', and juniors' scarfs, dickies, and other neckwear	N	X	X	29 856	N	X	X	N
31599911	Women's, misses', and juniors' scarfs, dickies, and other neckwear	N	X	X	29 856	N	X	X	N
3159991100	Women's, misses', and juniors' scarfs, dickies, and other neckwear	25	X	X	29 856	18	X	X	29 205
3159993	Aprons and bibs, plastics and rubberized	N	X	X	34 579	N	X	X	N
31599931	Aprons and bibs, plastics and rubberized	N	X	X	34 579	N	X	X	N
3159993100	Aprons and bibs, plastics and rubberized	7	X	X	34 579	N	X	X	N

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315999	Other apparel accessories and other apparel—Con.								
3159995	Leather belts	N	X	X	408 874	N	X	X	351 307
31599951	Leather belts	N	X	X	351 385	N	X	X	N
3159995111	Women's, misses', juniors', girls' and little boys' leather belts, made for sale to apparel firms	19	X	S	51 912	33	X	S	74 531
3159995121	Women's, misses', juniors', girls' and little boys' leather belts, made for sale separately	15	X	P7 259.3	113 292	24	X	1 353.2	43 509
3159995131	Men's and junior boys' leather belts, made for sale to apparel firms	18	X	13 526.1	126 020	25	X	P1 981.0	86 480
3159995141	Men's and junior boys' leather belts, made for sale separately	14	X	S	60 161	22	X	2 373.1	141 680
3159995Y	Leather belts, nsk	N	X	X	57 489	N	X	X	N
3159995YWV	Leather belts, nsk	N	X	X	57 489	N	X	X	5 107
3159997	Belts, other than leather	N	X	X	50 941	N	X	X	165 391
31599971	Belts, other than leather	N	X	X	41 638	N	X	X	N
3159997111	Women's, misses', juniors', girls', and little boys' belts, other than leather, made for sale to apparel firms	12	X	S	14 142	42	X	P3 214.1	55 602
3159997121	Women's, misses', juniors', girls', and little boys' belts, other than leather, made for sale separately	4	X	S	6 693	17	X	2 672.7	41 375
3159997131	Men's and junior boys' belts, other than leather, made for sale to apparel firms	2	X	960.7	1 399	21	X	P1 192.8	33 741
3159997141	Men's and junior boys' belts, other than leather, made for sale separately	7	X	S	19 404	19	X	1 540.1	27 961
3159997Y	Belts, other than leather, nsk	N	X	X	9 303	N	X	X	N
3159997YWV	Belts, other than leather, nsk	N	X	X	9 303	N	X	X	6 712
315999A	Hose supporters, arm bands, suspenders, and handkerchiefs	N	X	X	53 624	N	X	X	N
315999A1	Hose supporters, arm bands, and suspenders	N	X	X	D	N	X	X	N
315999A111	Hose supporters, arm bands, and suspenders	12	X	D	D	N	X	X	N
315999A2	Handkerchiefs	N	X	X	D	N	X	X	N
315999A221	Men's and junior boys' handkerchiefs	2	X	D	D	7	X	D	D
315999A231	Women's, misses', juniors', girls', and little boys' handkerchiefs	2	X	D	D	2	X	D	D
315999AY	Hose supporters, arm bands, suspenders, and handkerchiefs, nsk	N	X	X	—	N	X	X	N
315999AYWV	Hose supporters, arm bands, suspenders, and handkerchiefs, nsk	N	X	X	—	N	X	X	N
315999C	Fabricated textile products, nec	N	X	X	711 936	N	X	X	N
315999C1	All other apparel and apparel accessories, including aprons and diapers	N	X	X	709 097	N	X	X	N
315999C111	All other apparel and apparel accessories, including aprons and diapers	120	X	X	656 516	N	X	X	N
315999C121	Hat bands, hat linings, tip printing and stamping, sweats, cap fronts, and hatters' fur, cut or blown, for sale as such	31	X	X	52 581	30	X	X	D
315999CY	Fabricated textile products, nec, nsk	N	X	X	2 839	N	X	X	N
315999CYWV	Fabricated textile products, nec, nsk	N	X	X	2 839	N	X	X	N
315999E	Apparel findings and trimmings (except men's and junior boys' coat, suit, and trouser findings)	N	X	X	160 159	N	X	X	N
315999E1	Apparel findings and trimmings (except men's and junior boys' coat, suit, and trouser findings)	N	X	X	160 159	N	X	X	N
315999E100	Apparel findings and trimmings (except men's and junior boys' coat, suit, and trouser findings)	82	X	X	160 159	99	X	X	289 646
315999G	Custom-made garments	N	X	X	176 253	N	X	X	N
315999G1	Custom-made garments	N	X	X	176 253	N	X	X	N
315999G100	Custom-made garments	281	X	X	176 253	N	X	X	N
315999W	Other apparel accessories and other apparel, nsk, total	N	X	X	352 806	N	X	X	N
315999WY	Other apparel accessories and other apparel, nsk, total	N	X	X	352 806	N	X	X	N
315999WYWV	Other apparel accessories and other apparel, nsk, for nonadministrative-record establishments	N	X	X	251 715	N	X	X	N
315999WYWY	Other apparel accessories and other apparel, nsk, for administrative-record establishments	N	X	X	101 091	N	X	X	N

Table 1. Products Statistics: 1997 and 1992—Con.

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NAICS product code	Product	1997				1992			
		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
316110	Tanned or finished leather and hides	N	X	X	3 716 635	N	X	X	N
3161101	Finished and unfinished leather	N	X	X	3 205 197	N	X	X	2 632 038
31611011	Sole leather, full grain and grain split, cattle hide, kip side, bag, case, and strap leather	N	X	X	161 306	N	X	X	N
316110111	Sole leather, full grain and grain split (except offal and wetting), cattle hide and kip sidemil sq ft..	16	X	34.7	96 576	9	X	90.2	224 163
316110112	Bag, case, and strap leather (sides), full grain and grain split (except offal and wetting), cattle hide and kip sidemil sq ft..	13	X	20.6	64 730	17	X	P36.5	68 252
31611012	Upholstery leather (top grains and machine buffs), full grain and grain (except offal and wetting), cattle hide and kip side	N	X	X	1 030 265	N	X	X	N
316110123	Upholstery leather (top grains and machine buffs), full grain and grain split (except offal and wetting), cattle hide and kip sidemil sq ft..	14	X	349.9	1 030 265	11	X	233.3	682 974
31611013	Upper leather (including patent (sides)), full grain and grain split (except offal and wetting), cattle hide and kip side	N	X	X	718 722	N	X	X	N
316110134	Upper leather (including patent (sides)), full grain and grain split (except offal and wetting), cattle hide and kip sidemil sq ft..	20	X	302.7	718 722	31	X	292.4	648 325
31611014	Garment leather, cattle hide and kip side offal, finished cattle hide and kip side leather splits, and other leather grains	N	X	X	271 070	N	X	X	N
316110145	Garment leather (sides), full grain and grain split (except offal and wetting), cattle hide and kip sidemil sq ft..	8	X	18.1	32 316	17	X	30.4	52 002
316110146	Other leather grains, including flat and handbag leather, lining leather (sides), and belting and mechanical leather, cattle hide and kip sidemil sq ft..	22	X	44.5	123 436	24	X	P165.3	207 121
316110147	Cattle hide and kip side offal (heads, shoulders, bellies, etc.) and wetting leather, finishedmil sq ft..	13	X	P25.7	54 836	14	X	44.9	37 929
316110148	Finished cattle hide and kip side leather splits, including shoulder splits, deep buffs, buffing, and fleshersmil sq ft..	12	X	61.8	60 482	13	X	74.0	61 732
31611015	Wet blues and other cattle hide and kip side leathers	N	X	X	849 644	N	X	X	N
316110159	Wet blues, cattle hide and kip side leathers, unfinished 1,000 hides (whole hide equiv) ..	14	X	1 862.2	714 685	19	X	503.3	354 797
31611015A	Other cattle hide and kip side leathers, unfinished 1,000 hides (whole hide equiv) ..	19	X	202.8	134 959	15	X	108.4	178 888
31611016	Calf, sheep, lamb, and other animal leathers	N	X	X	166 813	N	X	X	N
31611016B	All calf and whole kip leathers, finished and unfinishedmil sq ft..	4	X	D	D	5	X	19.7	35 709
31611016C	Sheep and lamb garment leathers, finished and unfinishedmil sq ft..	6	X	28.3	38 183	6	X	13.8	18 549
31611016D	Other sheep and lamb leathers, finished and unfinished (including glove, shoe, fleshers, skivers, and shearings)mil sq ft..	6	X	20.7	34 784	9	X	21.3	34 273
31611016E	Other animal leathers, finished and unfinished (including horse, goat, pigskin, colt, mule, ass, and pony leathers)	12	X	X	D	N	X	X	N
3161101Y	Finished and unfinished leather, nsk	N	X	X	7 377	N	X	X	N
3161101YWV	Finished and unfinished leather, nsk	N	X	X	7 377	N	X	X	7 100
3161104	Contract and commission receipts for tanning or finishing leather owned by others	N	X	X	131 233	N	X	X	186 310
31611041	Contract and commission receipts for tanning or finishing leather owned by others	N	X	X	131 233	N	X	X	N
3161104100	Contract and commission receipts for tanning or finishing leather owned by others	28	X	X	131 233	N	X	X	N
3161107	Furs, dressed and dyed or bleached	N	X	X	19 875	N	X	X	25 595
31611071	Furs, dressed and dyed or bleached	N	X	X	19 875	N	X	X	N
316110712	Furs, dressed and dyed or bleached	8	X	X	7 866	9	X	X	14 951
316110713	Receipts for dressing and dyeing or bleaching furs done in your plant on materials owned by others	6	X	X	12 009	4	X	X	7 382

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		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
316110	Tanned or finished leather and hides—Con.								
3161107	Furs, dressed and dyed or bleached—Con.								
3161107Y	Furs, dressed and dyed or bleached, nsk	N	X	X	—	N	X	X	N
3161107YWW	Furs, dressed and dyed or bleached, nsk	N	X	X	—	N	X	X	3 262
316110W	Leather and hide tanning and finishing, nsk, total	N	X	X	360 330	N	X	X	N
316110WY	Leather and hide tanning and finishing, nsk, total	N	X	X	360 330	N	X	X	N
316110WYWW	Leather and hide tanning and finishing, nsk, for nonadministrative-record establishments	N	X	X	240 502	N	X	X	N
316110WYWY	Leather and hide tanning and finishing, nsk, for administrative-record establishments	N	X	X	119 828	N	X	X	N
316211	Rubber and plastics footwear	N	X	X	899 620	N	X	X	803 436
3162111	Protective footwear @	N	X	X	265 161	N	X	X	234 871
31621110	Protective footwear	N	X	X	265 161	N	X	X	N
3162111000	Protective footwear	18	X	14.0	265 161	12	X	X	234 871
3162114	Shoes with soles vulcanized, molded, or cemented to fabric uppers, excluding sandals and slippers @	N	X	X	614 260	N	X	X	543 999
31621141	Shoes, athletic, with soles vulcanized, molded, or cemented to fabric uppers (including tennis, running, basketball, etc.), excluding sandals and slippers	N	X	X	536 161	N	X	X	N
3162114110	Shoes, athletic, with soles vulcanized, molded, or cemented to fabric uppers (including tennis, running, basketball, etc.), excluding sandals and slippers	20	X	28.8	536 161	N	X	X	N
31621142	Shoes, nonathletic, with soles vulcanized, molded, or cemented to fabric uppers, excluding sandals and slippers	N	X	X	78 099	N	X	X	N
3162114210	Shoes, nonathletic, with soles vulcanized, molded, or cemented to fabric uppers, excluding sandals and slippers	7	X	13.2	78 099	N	X	X	N
3162114Y	Shoes with soles vulcanized, molded, or cemented to fabric uppers, excluding sandals and slippers, nsk	N	X	X	—	N	X	X	N
3162114YWW	Shoes with soles vulcanized, molded, or cemented to fabric uppers, excluding sandals and slippers, nsk	N	X	X	—	N	X	X	N
316211W	Rubber and plastics footwear, nsk, total	N	X	X	20 199	N	X	X	24 566
316211WY	Rubber and plastics footwear, nsk, total	N	X	X	20 199	N	X	X	N
316211WYWW	Rubber and plastics footwear, nsk, for nonadministrative-record establishments	N	X	X	11 764	N	X	X	16 402
316211WYWY	Rubber and plastics footwear, nsk, for administrative-record establishments	N	X	X	8 435	N	X	X	6 934
316212	House slippers	N	X	X	192 446	N	X	X	258 828
3162120	House slippers @	N	X	X	192 446	N	X	X	258 828
31621200	House slippers, all types, except slipper socks	N	X	X	D	N	X	X	N
3162120010	House slippers, all types, except slipper socks	16	X	D	D	21	X	65.0	245 928
31621201	Slipper socks made from purchased socks	N	X	X	D	N	X	X	N
3162120121	Slipper socks made from purchased socks	2	X	D	D	7	X	4.7	11 876
3162120Y	House slippers, nsk, total	N	X	X	16 990	N	X	X	N
3162120YWW	House slippers, nsk, for nonadministrative-record establishments	N	X	X	12 753	N	X	X	65
3162120YWY	House slippers, nsk, for administrative-record establishments	N	X	X	4 237	N	X	X	972

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
316213	Men's footwear, except athletic	N	X	X	1 679 921	N	X	X	1 806 564
3162130	Men's footwear, except athletic (size run 6 and larger) @	N	X	X	1 679 921	N	X	X	1 806 564
31621300	Men's footwear, except athletic (size run 6 and larger)	N	X	X	1 655 480	N	X	X	N
3162130000	Men's footwear, except athletic (size run 6 and larger) mil pairs..	78	X	P33.8	1 655 480	N	X	X	N
3162130Y	Men's footwear, except athletic, nsk, total	N	X	X	24 441	N	X	X	N
3162130YWW	Men's footwear, except athletic, nsk, for nonadministrative-record establishments	N	X	X	19	N	X	X	N
3162130YWY	Men's footwear, except athletic, nsk, for administrative-record establishments	N	X	X	24 422	N	X	X	9 035
316214	Women's footwear, except athletic	N	X	X	744 752	N	X	X	1 228 552
3162140	Women's footwear, except athletic (size run 4 and larger) @	N	X	X	744 752	N	X	X	1 228 552
31621400	Women's footwear, except athletic (size run 4 and larger)	N	X	X	735 779	N	X	X	N
3162140000	Women's footwear, except athletic (size run 4 and larger) mil pairs..	76	X	28.6	735 779	N	X	X	N
3162140Y	Women's footwear, except athletic, nsk, total	N	X	X	8 973	N	X	X	N
3162140YWW	Women's footwear, except athletic, nsk, for administrative-record establishments	N	X	X	—	N	X	X	N
3162140YWY	Women's footwear, except athletic, nsk, for nonadministrative-record establishments	N	X	X	8 973	N	X	X	9 046
316219	Other footwear	N	X	X	219 630	N	X	X	314 189
3162190	Footwear, except rubber, nec @	N	X	X	219 630	N	X	X	314 189
31621900	Footwear, except rubber, nec	N	X	X	180 567	N	X	X	N
3162190010	Athletic shoes, (except rubber sole-fabric upper) whether for organized sports or street wear mil pairs..	14	X	P3.9	72 269	23	X	6.2	104 618
3162190020	All other footwear (including youths', boys', misses', children's, and infants' excluding rubber footwear and slippers) mil pairs..	37	X	P9.1	108 298	46	X	P19.0	201 008
3162190Y	Footwear, except rubber, nec, nsk, total	N	X	X	39 063	N	X	X	N
3162190YWW	Footwear, except rubber, nec, nsk, for nonadministrative-record establishments	N	X	X	28 155	N	X	X	2 418
3162190YWY	Footwear, except rubber, nec, nsk, for administrative-record establishments	N	X	X	10 908	N	X	X	6 158
316991	Luggage	N	X	X	1 096 427	N	X	X	863 626
3169910	Suitcases, briefcases, bags, and musical instrument cases	N	X	X	1 096 427	N	X	X	863 626
31699101	Suitcases, briefcases, bags, and musical instrument cases	N	X	X	1 020 910	N	X	X	N
3169910111	Suitcases-pullmans, structured 22 inches and greater, outer surface of all leather or mostly leather thousands..	13	X	1 122.6	82 138	N	X	N	N
3169910121	Suitcases-pullmans, structured 22 inches and greater, outer surface of all textile or mostly textile materials thousands..	13	X	3 639.7	136 472	N	X	N	N
3169910131	Suitcases-pullmans, structured 22 inches and greater, outer surface of supported vinyl or plastics thousands..	7	X	D	D	N	X	N	N
3169910141	Suitcases-pullmans, structured 22 inches and greater, molded and semimolded thousands..	1	X	D	D	N	X	N	N
3169910143	Suitcases-pullmans, structured 22 inches and greater, all other materials thousands..	4	X	10.1	1 017	N	X	N	N
3169910144	Suitcases-pullmans, structured under 22 inches, outer surface of all leather or mostly leather thousands..	2	X	D	D	N	X	N	N
3169910149	Suitcases-pullmans, structured under 22 inches, outer surface of textile or mostly textile materials thousands..	4	X	202.3	14 658	N	X	N	N
3169910152	Suitcases-pullmans, structured under 22 inches, outer surface of supported vinyl or plastics thousands..	3	X	129.7	1 774	N	X	N	N
3169910154	Suitcases-pullmans, structured under 22 inches, molded and semimolded thousands..	1	X	D	D	N	X	N	N
3169910156	Suitcases-pullmans, structured under 22 inches, all other materials thousands..	2	X	D	D	N	X	N	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
316991	Luggage—Con.								
3169910	Suitcases, briefcases, bags, and musical instrument cases—Con.								
31699101	Suitcases, briefcases, bags, and musical instrument cases—Con.								
3169910158	Casual bags, unstructured, outer surface of all textile or mostly textile materials thousands..	32	X	4 998.3	130 904	N	X	N	N
3169910160	Casual bags, unstructured, all other materials thousands..	10	X	787.7	16 652	N	X	N	N
3169910162	Garment bags-suit bags, outer surface of all textile or mostly textile materials thousands..	9	X	901.9	53 392	N	X	N	N
3169910175	Garment bags-suit bags, all other materials thousands..	3	X	59.0	3 435	N	X	N	N
3169910185	Sports bags, outer surface of all textile or mostly textile materials thousands..	14	X	386.4	8 342	N	X	N	N
3169910195	Sports bags, all other materials thousands..	2	X	37.3	448	N	X	N	N
31699101A5	Backpacks-daypacks, outer surface of all textile or mostly textile materials thousands..	14	X	4 308.2	104 899	N	X	N	N
31699101B5	Backpacks-daypacks, all other materials thousands..	2	X	8.6	290	N	X	N	N
31699101C5	Computer bags, outer surface of all textile or mostly textile materials thousands..	9	X	416.8	14 827	N	X	N	N
31699101D5	Computer bags, all other materials thousands..	8	X	216.1	10 563	N	X	N	N
31699101F2	Business cases, outer surface of leather or mostly leather thousands..	26	X	454.8	35 340	N	X	N	N
31699101F3	Business cases, outer surface of textile or mostly textile materials thousands..	24	X	912.3	33 323	N	X	N	N
31699101F5	Business cases, molded and semimolded thousands..	9	X	778.9	32 205	N	X	N	N
31699101F6	Business cases, all other materials thousands..	18	X	P2 188.3	35 035	N	X	N	N
31699101G1	Other luggage, outer surface of leather or mostly leather thousands..	18	X	8 715.4	90 266	N	X	N	N
31699101G2	Other luggage, outer surface of textile or mostly textile materials thousands..	28	X	2 198.0	45 356	N	X	N	N
31699101G3	Other luggage, molded and semimolded thousands..	10	X	3 251.1	49 999	N	X	N	N
31699101G4	Other luggage, all other materials thousands..	20	X	13 355.2	51 638	N	X	N	N
3169910Y	Luggage, nsk, for both nonadministrative and administrative-record establishments thousands..	N	X	X	75 517	N	X	X	N
3169910YWW	Luggage, nsk, for nonadministrative-record establishments thousands..	N	X	X	42 681	N	X	X	45 402
3169910YWY	Luggage, nsk, for administrative-record establishments thousands..	N	X	X	32 836	N	X	X	26 728
316992	Women's handbags and purses	N	X	X	250 951	N	X	X	410 747
3169920	Women's and children's handbags and purses thousands..	N	X	X	250 951	N	X	X	410 747
31699201	Women's and children's handbags and purses thousands..	N	X	X	213 671	N	X	X	N
3169920111	Women's and children's handbags and purses, outer surface of all leather or mostly leather thousands..	36	X	9 757.0	158 360	47	X	15 508.8	261 308
3169920121	Women's and children's handbags and purses, outer surface of all plastics or mostly plastics (including vinyl) thousands..	12	X	2 377.3	21 099	19	X	4 448.8	63 139
3169920131	Women's and children's handbags and purses, outer surface of all other materials, except precious metals thousands..	8	X	2 766.2	34 212	14	X	2 596.1	33 416
3169920Y	Women's and children's handbags and purses, nsk thousands..	N	X	X	37 280	N	X	X	N
3169920YWW	Women's and children's handbags and purses, nsk, for nonadministrative-record establishments thousands..	N	X	X	24 322	N	X	X	31 250
3169920YWY	Women's and children's handbags and purses, nsk, for administrative-record establishments thousands..	N	X	X	12 958	N	X	X	21 647
316993	Personal leather goods, except women's handbags and purses	N	X	X	494 453	N	X	X	522 277
3169930	Personal leather goods, nec thousands..	N	X	X	494 453	N	X	X	522 277
31699301	Billfolds, wallets, french purses, and clutches thousands..	N	X	X	239 603	N	X	X	N
3169930111	Leather or mostly leather billfolds, wallets, french purses, and clutches thousands..	46	X	20 253.8	221 787	33	X	22 665.4	231 986
3169930121	Billfolds, wallets, french purses, and clutches other than leather (plastics, fiber, etc.) thousands..	14	X	3 695.5	17 816	14	X	P2 705.9	13 652

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		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
316993	Personal leather goods, except women's handbags and purses—Con.								
3169930	Personal leather goods, nec—Con.								
31699302	Travel kits, jewelry boxes and cases, compacts, vanity cases, and other personal goods.....	N	X	X	238 318	N	X	X	N
3169930231	Personal leather travel kits (fitted and unfitted) thousands..	13	X	2 639.7	24 751	10	X	3 468.0	33 825
3169930241	Personal leather jewelry boxes and cases (except precious metal), pocket size thousands..	11	X	D	D	10	X	2 244.8	26 873
3169930251	Personal compacts and vanity cases with outer surface of all leather or mostly leather..... thousands..	1	X	D	D	N	X	—	—
3169930261	Other personal goods (including key, cigarette, eyeglass, pass card and instrument cases), all leather or mostly leather.....	39	X	X	123 216	37	X	X	107 162
3169930271	Other personal goods (including key, cigarette, eyeglass, pass card and instrument cases), other than leather.....	21	X	X	63 496	33	X	X	79 061
3169930Y	Personal leather goods, nec, nsk, for both nonadministrative-and administrative-record establishments.....	N	X	X	16 532	N	X	X	N
3169930YWW	Personal leather goods, nec, nsk, for nonadministrative-record establishments.....	N	X	X	6 834	N	X	X	24 620
3169930YWY	Personal leather goods, nec, nsk, for administrative-record establishments.....	N	X	X	9 698	N	X	X	5 111
316999	All other leather goods	N	X	X	791 121	N	X	X	N
3169991	All other leather goods, nec.....	N	X	X	165 174	N	X	X	N
31699911	All other leather good manufacturing	N	X	X	165 174	N	X	X	N
3169991111	Boot and shoe cut stock and findings outer soles and innersoles of leather..... mil doz..	11	X	1.3	57 389	17	X	2.3	96 968
3169991121	Other boot and shoe leather cut stock (heels, counters, box toes, taps, etc.).....	12	X	X	D	24	X	X	77 337
3169991131	Wood heel blocks made for sale as such.....	2	X	X	D	N	X	X	N
3169991141	Other (shanks, welting, etc.).....	15	X	X	42 547	N	X	X	N
3169991Y	All other leather good manufacturing, nsk.....	N	X	X	—	N	X	X	N
3169991YVV	All other leather good manufacturing, nsk.....	N	X	X	—	N	X	X	N
3169994	Leather goods, nec.....	N	X	X	574 335	N	X	X	N
31699941	Leather saddlery, harness, and accouterments, dog collars, leashes, and other household pet accessories made of leather.....	N	X	X	222 006	N	X	X	N
3169994121	Leather saddlery, harness, and accouterments.....	65	X	X	108 070	54	X	X	89 356
3169994141	Dog collars, leashes, and other household pet accessories made of leather.....	24	X	X	113 936	25	X	X	85 349
31699942	Other leather goods (including leather novelties, industrial leather belting and leather products made wholly or mostly of leather, desk sets, holsters, etc.).....	N	X	X	352 329	N	X	X	N
3169994211	Leather novelties.....	28	X	X	101 915	33	X	X	60 844
3169994231	Industrial leather belting and other industrial leather products made wholly or mostly of leather.....	21	X	X	123 504	21	X	X	44 303
3169994251	Other leather goods (desk sets, holsters, etc.).....	60	X	X	126 910	79	X	X	143 975
3169994Y	Leather goods, nec, nsk.....	N	X	X	—	N	X	X	N
3169994YVV	Leather goods, nec, nsk.....	N	X	X	—	N	X	X	N
316999W	All other leather goods, nsk, total.....	N	X	X	51 612	N	X	X	N
316999WY	All other leather good manufacturing, nsk, for both nonadministrative-and administrative-record establishments.....	N	X	X	51 612	N	X	X	N
316999WYWW	All other leather good manufacturing, nsk, for nonadministrative-record establishments.....	N	X	X	21 927	N	X	X	N
316999WYWY	All other leather good manufacturing, nsk, for administrative-record establishments.....	N	X	X	29 685	N	X	X	N

Table 1. Products Statistics: 1997 and 1992—Con.

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS product code	Product	1997				1992			
		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
321113	Sawmill products	N	X	X	23 320 321	N	X	X	N
3211131	Hardwood lumber, not edge worked, not manufactured from purchased lumber	N	X	X	3 954 467	N	X	X	N
32111311	Hardwood lumber, not edge worked, not manufactured from purchased lumber	N	X	X	3 001 601	N	X	X	N
3211131111	Beech rough lumber, not edge worked, not manufactured from purchased lumber \$	64	X	X	58 003	N	X	X	N
3211131121	Oak rough lumber, not edge worked, not manufactured from purchased lumber \$ mil bd ft. .	664	X	¶1 940.2	1 226 107	N	X	N	N
3211131131	Other hardwood rough lumber, not edge worked, not manufactured from purchased lumber \$ mil bd ft. .	696	X	¶2 428.4	1 342 571	N	X	N	N
3211131141	Hardwood dressed lumber, not edge worked, not manufactured from purchased lumber \$ mil bd ft. .	85	X	¶538.7	374 920	N	X	N	N
3211131Y	Hardwood lumber, not edge worked, not manufactured from purchased lumber, nsk	N	X	X	952 866	N	X	X	N
3211131YWV	Hardwood lumber, not edge worked, not manufactured from purchased lumber, nsk	N	X	X	952 866	N	X	X	N
3211133	Softwood lumber, not edge worked, not manufactured from purchased lumber	N	X	X	14 038 252	N	X	X	N
32111331	Softwood rough lumber, not edge worked, not manufactured from purchased lumber	N	X	X	2 729 306	N	X	X	N
3211133111	Softwood rough lumber, less than 2 inches in nominal thickness, not edge worked, not manufactured from purchased lumber \$ mil bd ft. .	262	X	D	D	N	X	N	N
3211133121	Softwood rough 2-inch lumber, 2 inches in nominal thickness only, not edge worked, not manufactured from purchased lumber \$ mil bd ft. .	160	X	D	D	N	X	N	N
3211133131	Softwood rough lumber and timbers, more than 2 inches in nominal thickness, not edge worked, not manufactured from purchased lumber \$ mil bd ft. .	175	X	S	444 830	N	X	N	N
32111332	Softwood dressed lumber, less than 2 inches in nominal thickness, not edge worked, not manufactured from purchased lumber	N	X	X	1 866 654	N	X	X	N
3211133241	Softwood dressed lumber, less than 2 inches in nominal thickness, not edge worked, not manufactured from purchased lumber \$ mil bd ft. .	193	X	3 638.3	1 866 654	N	X	N	N
32111333	Softwood dressed 2-inch lumber, 2 inches in nominal thickness only, not edge worked, not manufactured from purchased lumber	N	X	X	6 351 987	N	X	X	N
3211133351	Softwood dressed 2-inch lumber, 2 inches in nominal thickness only, not edge worked, not manufactured from purchased lumber \$ mil bd ft. .	185	X	16 178.2	6 351 987	N	X	N	N
32111334	Softwood dressed lumber and timbers more than 2 inches in nominal thickness, not edge worked, not manufactured from purchased lumber	N	X	X	984 059	N	X	X	N
3211133461	Softwood dressed lumber and timbers, more than 2 inches in nominal thickness, not edge worked, not manufactured from purchased lumber \$ mil bd ft. .	116	X	2 139.7	984 059	N	X	N	N
3211133Y	Softwood lumber, not edge worked, not manufactured from purchased lumber, nsk	N	X	X	2 106 246	N	X	X	N
3211133YWV	Softwood lumber, not edge worked, not manufactured from purchased lumber, nsk	N	X	X	2 106 246	N	X	X	N
3211135	Wood chips, except field chips	N	X	X	2 593 967	N	X	X	2 596 693
32111351	Wood chips, except field chips, measured in short tons	N	X	X	1 663 958	N	X	X	N
3211135111	Softwood chips, except field chips, measured in short tons 1,000 s tons. .	329	X	¶39 407.6	1 166 449	321	X	35 428.8	1 045 123
3211135121	Hardwood chips, except field chips, measured in short tons 1,000 s tons. .	400	X	S	497 509	321	X	S	314 827

Table 1. Products Statistics: 1997 and 1992—Con.

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NAICS product code	Product	1997				1992			
		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
321113	Sawmill products—Con.								
3211135	Wood chips, except field chips—Con.								
32111352	Wood chips, except field chips, measured in standard units (one standard unit, 200 cu ft of gravity packed chips, one standard cord)	N	X	X	694 110	N	X	X	N
3211135231	Softwood chips, except field chips, measured in standard units (one standard unit, 200 cu ft of gravity packed chips, one standard cord)	145	X	S	509 589	209	X	13 202.9	836 447
3211135241	Hardwood chips, except field chips, measured in standard units (one standard unit, 200 cu ft of gravity packed chips, one standard cord)	80	X	S	184 521	108	X	95 292.6	238 700
3211135Y	Wood chips, except field chips, nsk	N	X	X	235 899	N	X	X	N
3211135YWV	Wood chips, except field chips, nsk	N	X	X	235 899	N	X	X	161 596
3211137	Wood ties, siding, shingles, and shakes and contract sawing of logs owned by others	N	X	X	239 072	N	X	X	N
32111371	Wood ties, siding, shingles, and shakes and contract sawing of logs owned by others	N	X	X	180 094	N	X	X	N
3211137111	Railway crossties and mine ties (untreated) mil bd ft.	79	X	S	64 285	89	X	N	52 168
3211137121	Wood siding (weatherboards or clapboards), including drilled or treated, except treated with permanent wood preservatives	21	X	S	75 357	17	X	P60.2	46 380
3211137131	Wood shingles and shakes 1,000 squares.	16	X	S	11 138	N	X	N	N
3211137141	Receipts for contract or custom sawing of logs owned by others	33	X	X	29 314	51	X	X	33 946
3211137Y	Wood ties, siding, shingles, and shakes and contract sawing of logs owned by others, nsk	N	X	X	58 978	N	X	X	N
3211137YWV	Wood ties, siding, shingles, and shakes and contract sawing of logs owned by others, nsk	N	X	X	58 978	N	X	X	N
321113W	Sawmill products, nsk, total	N	X	X	2 494 563	N	X	X	N
321113WY	Sawmill products, nsk, total	N	X	X	2 494 563	N	X	X	N
321113WYWV	Sawmill products, nsk, for nonadministrative-record establishments	N	X	X	1 982 747	N	X	X	N
321113WYWY	Sawmill products, nsk, for administrative-record establishments	N	X	X	511 816	N	X	X	N
321114	Wood preservation products	N	X	X	4 377 047	N	X	X	2 623 995
3211141	Wood poles, piles, and posts owned and treated by the same establishment	N	X	X	561 544	N	X	X	546 431
32111411	Wood poles, piles, and posts owned and treated by the same establishment	N	X	X	401 735	N	X	X	N
3211141111	Wood poles, piles, and posts owned and treated with pentachlorophenol by the same establishment, not more than 15 feet in length	6	X	1.4	11 719	11	X	N	31 311
3211141121	Wood poles, piles, and posts owned and treated with arsenical chemicals by the same establishment, not more than 15 feet in length	23	X	97.7	44 542	41	X	N	84 947
3211141131	Wood poles, piles, and posts owned and treated with other chemicals by the same establishment, not more than 15 feet in length	5	X	S	10 687	N	X	N	N
3211141141	Wood poles, piles, and posts owned and treated with pentachlorophenol by the same establishment, more than 15 feet in length	16	X	P16.5	151 086	25	X	N	169 196
3211141151	Wood poles, piles, and posts owned and treated with arsenical chemicals by the same establishment, more than 15 feet in length	27	X	12.3	86 616	35	X	N	70 771
3211141161	Wood poles, piles, and posts owned and treated with creosote by the same establishment, more than 15 feet in length	14	X	98.6	63 122	24	X	N	93 524
3211141171	Wood poles, piles, and posts owned and treated with other chemicals by the same establishment, more than 15 feet in length	5	X	S	33 963	7	X	N	32 052
3211141Y	Wood poles, piles, and posts owned and treated by the same establishment, nsk	N	X	X	159 809	N	X	X	N
3211141YWV	Wood poles, piles, and posts owned and treated by the same establishment, nsk	N	X	X	159 809	N	X	X	57 781

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		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
321114	Wood preservation products—Con.								
3211145	Other wood products owned and treated by the same establishment	N	X	X	3 339 717	N	X	X	1 746 942
32111451	Other wood products owned and treated by the same establishment	N	X	X	2 888 085	N	X	X	N
3211145111	Railway crossties and mine ties (except switch or bridge) owned and treated by the same establishment	17	X	P433.3	223 225	17	X	N	168 296
3211145121	Rough and dressed lumber, not edge worked, owned and treated with fire-retardant, interior and exterior, by the same establishment	9	X	95.3	68 347	18	X	q77.0	46 636
3211145131	Rough and dressed lumber, not edge worked, owned and treated with pentachlorophenol by the same establishment	8	X	q103.1	56 994	12	X	P166.5	63 251
3211145141	Rough and dressed lumber, not edge worked, owned and treated with arsenical chemicals by the same establishment	90	X	4 090.1	2 266 669	92	X	q2 659.4	1 026 182
3211145151	Rough and dressed lumber, not edge worked, owned and treated with other chemicals by the same establishment	12	X	X	55 913	29	X	X	89 470
3211145161	Wood siding, flooring, and other edge worked lumber owned and treated by the same establishment	13	X	84.2	66 730	15	X	q59.7	24 564
3211145171	Switch and bridge ties owned and treated by the same establishment	9	X	52.2	41 761	12	X	N	29 215
3211145191	Other wood products owned and treated by the same establishment, including plywood and sawn wood fence pickets, paling, and rails	33	X	X	108 446	38	X	X	99 167
3211145Y	Other wood products owned and treated by the same establishment, nsk	N	X	X	451 632	N	X	X	N
3211145YVV	Other wood products owned and treated by the same establishment, nsk	N	X	X	451 632	N	X	X	200 161
3211149	Contract wood preservation	N	X	X	125 584	N	X	X	127 735
32111491	Contract wood preservation	N	X	X	123 043	N	X	X	N
3211149111	Receipts for treating wood owned by others with arsenical chemicals	42	X	X	42 117	60	X	X	44 917
3211149121	Receipts for treating wood owned by others with creosote	7	X	X	64 423	12	X	X	42 118
3211149191	Receipts for treating wood owned by others with other chemicals, including fire-retardant and pentachlorophenol	16	X	X	16 503	20	X	X	27 092
3211149Y	Contract wood preservation, nsk	N	X	X	2 541	N	X	X	N
3211149YVV	Contract wood preservation, nsk	N	X	X	2 541	N	X	X	13 608
321114W	Wood preservation products, nsk, total	N	X	X	350 202	N	X	X	202 887
321114WY	Wood preservation products, nsk, total	N	X	X	350 202	N	X	X	N
321114WYVV	Wood preservation products, nsk, for nonadministrative-record establishments	N	X	X	210 399	N	X	X	160 100
321114WYVY	Wood preservation products, nsk, for administrative-record establishments	N	X	X	139 803	N	X	X	42 787
321211	Hardwood veneer and plywood	N	X	X	2 741 916	N	X	X	2 023 278
3212111	Hardwood veneer, including veneer backed with paper, cloth, or other flexible material	N	X	X	967 784	N	X	X	605 974
32121111	Oak veneer, including veneer backed with paper, cloth, or other flexible material	N	X	X	301 239	N	X	X	N
3212111111	Oak veneer, including veneer backed with paper, cloth, or other flexible material	64	X	S	301 239	54	X	P1 945.1	220 797
32121112	Hardwood veneer, except oak, including veneer backed with paper, cloth, or other flexible material	N	X	X	512 150	N	X	X	N
3212111221	Birch veneer, including veneer backed with paper, cloth, or other flexible material	19	X	S	54 455	12	X	q416.1	29 980
3212111231	Maple veneer, including veneer backed with paper, cloth, or other flexible material	39	X	S	113 308	27	X	439.4	39 493
3212111241	Walnut veneer, including veneer backed with paper, cloth, or other flexible material	26	X	S	28 572	21	X	S	40 515
3212111251	Other domestic hardwood veneers, including veneers backed with paper, cloth, or other flexible material	83	X	S	299 203	68	X	q1 224.9	153 321

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
321211	Hardwood veneer and plywood—Con.								
3212111	Hardwood veneer, including veneer backed with paper, cloth, or other flexible material—Con.								
32121112	Hardwood veneer, except oak, including veneer backed with paper, cloth, or other flexible material—Con.								
3212111261	Imported hardwood veneers, including veneers backed with paper, cloth, or other flexible material mil sq ft sm..	13	X	S	16 612	6	X	S	6 041
3212111Y	Hardwood veneer, including veneer backed with paper, cloth, or other flexible material, nsk	N	X	X	154 395	N	X	X	N
3212111YWV	Hardwood veneer, including veneer backed with paper, cloth, or other flexible material, nsk	N	X	X	154 395	N	X	X	115 827
3212113	Hardwood plywood, except prefinished hardwood plywood made from purchased hardwood plywood	N	X	X	1 178 478	N	X	X	678 467
32121131	Hardwood plywood, veneer core, except prefinished hardwood plywood made from purchased hardwood plywood	N	X	X	841 484	N	X	X	N
3212113111	Hardwood plywood, veneer core, except prefinished hardwood plywood made from purchased hardwood plywood mil sq ft sm..	46	X	S	841 484	47	X	822.7	454 300
32121132	Hardwood plywood, except veneer core and prefinished hardwood plywood made from purchased hardwood plywood	N	X	X	311 276	N	X	X	N
3212113221	Hardwood plywood, particleboard core, except prefinished hardwood plywood made from purchased hardwood plywood mil sq ft sm..	23	X	S	153 628	26	X	P101.7	87 198
3212113231	Hardwood plywood, medium density fiberboard (MDF) core, except prefinished hardwood plywood made from purchased hardwood plywood mil sq ft sm..	23	X	S	139 729	22	X	987.5	71 023
3212113291	Hardwood plywood, other core, including lumber, hardboard, oriented strandboard and waferboard, except prefinished hardwood plywood made from purchased hardwood plywood mil sq ft sm..	13	X	S	17 919	15	X	P13.9	30 009
3212113Y	Hardwood plywood, except prefinished hardwood plywood made from purchased hardwood plywood, nsk	N	X	X	25 718	N	X	X	N
3212113YWV	Hardwood plywood, except prefinished hardwood plywood made from purchased hardwood plywood, nsk	N	X	X	25 718	N	X	X	35 937
3212115	Prefinished hardwood plywood made from purchased hardwood plywood	N	X	X	153 347	N	X	X	178 358
32121151	Prefinished hardwood plywood made from purchased hardwood plywood	N	X	X	153 347	N	X	X	N
3212115100	Prefinished hardwood plywood made from purchased hardwood plywood mil sq ft sm..	22	X	S	153 347	13	X	738.1	178 358
3212117	Hardwood plywood type products	N	X	X	215 480	N	X	X	478 153
32121171	Hardwood veneered panels, including two-ply veneers	N	X	X	151 711	N	X	X	N
3212117111	Hardwood veneered panels, including two-ply veneers mil sq ft sm..	24	X	S	151 711	32	X	510.9	296 980
32121172	Other hardwood plywood type products, including cellular panels and curved and molded plywood	N	X	X	48 155	N	X	X	N
3212117291	Other hardwood plywood type products, including cellular panels and curved and molded plywood mil sq ft sm..	21	X	S	48 155	32	X	S	133 743
3212117Y	Hardwood plywood type products, nsk	N	X	X	15 614	N	X	X	N
3212117YWV	Hardwood plywood type products, nsk	N	X	X	15 614	N	X	X	N
321211W	Hardwood veneer and plywood, nsk, total	N	X	X	226 827	N	X	X	82 326
321211WY	Hardwood veneer and plywood, nsk, total	N	X	X	226 827	N	X	X	N
321211WYWW	Hardwood veneer and plywood, nsk, for nonadministrative-record establishments	N	X	X	141 407	N	X	X	61 274
321211WYWY	Hardwood veneer and plywood, nsk, for administrative-record establishments	N	X	X	85 420	N	X	X	21 052

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		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
321212	Softwood veneer and plywood	N	X	X	5 023 144	N	X	X	4 777 611
3212121	Softwood veneer, including veneer backed with paper, cloth, or other flexible material	N	X	X	754 456	N	X	X	609 467
32121211	Softwood veneer, including veneer backed with paper, cloth, or other flexible material	N	X	X	754 456	N	X	X	N
3212121100	Softwood veneer, including veneer backed with paper, cloth, or other flexible material mil sq ft (1 in. basis) ..	58	X	¶1 585.8	754 456	64	X	¶2 731.5	609 467
3212123	Softwood plywood, rough, including touch sanded, interior and exterior	N	X	X	2 957 731	N	X	X	2 751 120
32121231	Interior softwood plywood, rough, including touch sanded, C - D exterior glue	N	X	X	1 399 845	N	X	X	N
3212123111	Interior softwood plywood, rough, including touch sanded, C - D exterior glue mil sq ft (3/8 in. basis) ..	26	X	6 752.9	1 399 845	29	X	8 977.5	1 673 290
32121232	Interior softwood plywood, rough, including touch sanded, underlayment exterior glue	N	X	X	669 793	N	X	X	N
3212123221	Interior softwood plywood, rough, including touch sanded, underlayment exterior glue mil sq ft (3/8 in. basis) ..	22	X	2 944.2	669 793	20	X	2 620.6	539 930
32121233	Other interior softwood plywood, rough, including touch sanded	N	X	X	223 408	N	X	X	N
3212123331	Other interior softwood plywood, rough, including touch sanded mil sq ft (3/8 in. basis) ..	14	X	¶1 019.4	223 408	17	X	1 205.2	225 079
32121234	Exterior softwood plywood, rough, including touch sanded, C - C and C - C plugged	N	X	X	272 420	N	X	X	N
3212123441	Exterior softwood plywood, rough, including touch sanded, C - C mil sq ft (3/8 in. basis) ..	20	X	¶907.2	217 402	14	X	310.3	68 600
3212123451	Exterior softwood plywood, rough, including touch sanded, C - C plugged mil sq ft (3/8 in. basis) ..	14	X	186.2	55 018	11	X	436.3	96 266
3212123Y	Softwood plywood, rough, including touch sanded, interior and exterior, nsk	N	X	X	392 265	N	X	X	N
3212123YVV	Softwood plywood, rough, including touch sanded, interior and exterior, nsk	N	X	X	392 265	N	X	X	147 955
3212125	Softwood plywood, sanded, interior and exterior	N	X	X	805 030	N	X	X	772 992
32121251	Softwood plywood, sanded, interior and exterior	N	X	X	731 293	N	X	X	N
3212125111	Interior softwood plywood, sanded mil sq ft (3/8 in. basis) ..	1	X	D	D	7	X	170.0	41 021
3212125121	Exterior softwood plywood, sanded, A - C mil sq ft (3/8 in. basis) ..	17	X	870.4	278 628	16	X	1 274.7	327 794
3212125131	Exterior softwood plywood, sanded, B - B plyform mil sq ft (3/8 in. basis) ..	16	X	274.0	77 299	9	X	329.0	72 737
3212125141	Exterior softwood plywood, sanded, B - C mil sq ft (3/8 in. basis) ..	17	X	1 001.4	260 637	20	X	1 006.0	224 449
3212125151	Other exterior softwood plywood, sanded mil sq ft (3/8 in. basis) ..	13	X	D	D	13	X	152.2	34 326
3212125Y	Softwood plywood, sanded, interior and exterior, nsk	N	X	X	73 737	N	X	X	N
3212125YVV	Softwood plywood, sanded, interior and exterior, nsk	N	X	X	73 737	N	X	X	72 665
3212127	Softwood plywood specialties	N	X	X	440 591	N	X	X	458 007
32121271	Softwood plywood specialties	N	X	X	435 560	N	X	X	N
3212127111	Softwood plywood siding mil sq ft (3/8 in. basis) ..	13	X	887.7	286 470	13	X	943.8	259 979
3212127121	Softwood plywood overlays mil sq ft (3/8 in. basis) ..	7	X	215.5	101 754	8	X	181.5	58 824
3212127191	Other softwood plywood specialties . mil sq ft (3/8 in. basis) ..	10	X	129.1	47 336	N	X	N	N
3212127Y	Softwood plywood specialties, nsk	N	X	X	5 031	N	X	X	N
3212127YVV	Softwood plywood specialties, nsk	N	X	X	5 031	N	X	X	D
3212129	Softwood plywood type products	N	X	X	8 034	N	X	X	132 599
32121291	Softwood plywood type products	N	X	X	4 571	N	X	X	N
3212129111	Softwood veneered panels, including two-ply veneers mil sq ft sm ..	—	X	—	—	10	X	¶452.2	106 281
3212129191	Other softwood plywood type products, including cellular panels, and curved and molded plywood	3	X	X	4 571	12	X	X	26 318
3212129Y	Softwood plywood type products, nsk	N	X	X	3 463	N	X	X	N
3212129YVV	Softwood plywood type products, nsk	N	X	X	3 463	N	X	X	N

Table 1. Products Statistics: 1997 and 1992—Con.

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NAICS product code	Product	1997				1992			
		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
321212	Softwood veneer and plywood—Con.								
321212W	Softwood veneer and plywood, nsk, total	N	X	X	57 302	N	X	X	53 426
321212WY	Softwood veneer and plywood, nsk, total	N	X	X	57 302	N	X	X	N
321212WYWW	Softwood veneer and plywood, nsk, for nonadministrative-record establishments	N	X	X	28 818	N	X	X	46 735
321212WYWY	Softwood veneer and plywood, nsk, for administrative-record establishments	N	X	X	28 484	N	X	X	6 691
321213	Engineered wood members (except trusses)	N	X	X	1 326 062	N	X	X	N
3212130	Engineered structural wood members, except trusses	N	X	X	1 326 062	N	X	X	N
32121301	Laminated veneer lumber	N	X	X	314 631	N	X	X	N
3212130111	Laminated veneer lumber	6	X	20.3	314 631	N	X	N	N
32121302	Other engineered structural wood members, except trusses and laminated veneer lumber	N	X	X	1 011 431	N	X	X	N
3212130221	Glued laminated timber, beams	29	X	326.4	333 364	61	X	S	271 024
3212130231	Wood I-joists, I-beams	8	X	520.9	515 751	N	X	N	N
3212130241	Other engineered structural wood members	9	X	S	162 316	N	X	N	N
3212130Y	Engineered structural wood member manufacturing (except truss), nsk, total	N	X	X	—	N	X	X	N
3212130YWW	Engineered structural wood member manufacturing (except truss), nsk, for nonadministrative-record establishments	N	X	X	—	N	X	X	N
3212130YWY	Engineered structural wood member manufacturing (except truss), nsk, for administrative-record establishments	N	X	X	—	N	X	X	N
321214	Wood trusses	N	X	X	3 487 428	N	X	X	N
3212140	Wood trusses	N	X	X	3 487 428	N	X	X	N
32121401	Wood trusses	N	X	X	2 653 757	N	X	X	N
3212140111	Wood roof trusses, metal plate connected	542	X	X	2 278 358	N	X	X	N
3212140121	Wood floor trusses, metal plate connected	239	X	X	364 410	N	X	X	N
3212140131	Other wood trusses	12	X	X	10 989	N	X	X	N
3212140Y	Wood truss manufacturing, nsk, total	N	X	X	833 671	N	X	X	N
3212140YWW	Wood truss manufacturing, nsk, for nonadministrative-record establishments	N	X	X	756 227	N	X	X	N
3212140YWY	Wood truss manufacturing, nsk, for administrative-record establishments	N	X	X	77 444	N	X	X	N
321219	Reconstituted wood products	N	X	X	5 159 801	N	X	X	3 987 115
3212191	Particleboard made from particleboard produced at this location	N	X	X	1 270 675	N	X	X	948 492
32121911	Particleboard, industrial, including commercial and shelving, made from particleboard produced at this location	N	X	X	1 040 834	N	X	X	N
3212191111	Particleboard, industrial, including commercial and shelving, made from particleboard produced at this location	20	X	3 723.0	1 040 834	N	X	N	N
32121912	Other particleboard, including underlayment, manufactured (mobile) home decking, stepping, siding, sheathing, and door core, made from particleboard produced at this location	N	X	X	161 936	N	X	X	N
3212191221	Particleboard, flooring, including underlayment and manufactured (mobile) home decking, made from particleboard produced at this location	9	X	399.8	108 043	N	X	N	N
3212191291	Other particleboard, including stepping, siding, sheathing, and door core, made from particleboard produced at this location	7	X	140.8	53 893	N	X	N	N
3212191Y	Particleboard made from particleboard produced at this location, nsk	N	X	X	67 905	N	X	X	N
3212191YWV	Particleboard made from particleboard produced at this location, nsk	N	X	X	67 905	N	X	X	50 557

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
321219	Reconstituted wood products—Con.								
3212192	Waferboard and oriented strandboard	N	X	X	1 249 636	N	X	X	1 131 599
32121921	Waferboard and oriented strandboard	N	X	X	1 208 794	N	X	X	N
3212192111	Waferboard and oriented strandboard sheathing mil sq ft (3/8 in. basis) ..	13	X	6 882.1	796 045	9	X	4 183.4	700 780
3212192121	Waferboard and oriented strandboard underlayment mil sq ft (3/8 in. basis) ..	8	X	1 155.4	146 499	7	X	579.5	109 946
3212192191	Other waferboard and oriented strandboard mil sq ft (3/8 in. basis) ..	8	X	2 011.4	266 250	N	X	N	N
3212192Y	Waferboard and oriented strandboard, nsk	N	X	X	40 842	N	X	X	N
3212192YWV	Waferboard and oriented strandboard, nsk	N	X	X	40 842	N	X	X	—
3212193	Medium density fiberboard (MDF) made from MDF produced at this location	N	X	X	454 350	N	X	X	383 429
32121931	Medium density fiberboard (MDF) made from MDF produced at this location	N	X	X	431 795	N	X	X	N
3212193111	Industrial medium density fiberboard (MDF) made from MDF produced at this location mil sq ft (3/4 in. basis) ..	10	X	884.9	301 860	N	X	N	N
3212193191	Other medium density fiberboard (MDF) made from MDF produced at this location mil sq ft (3/4 in. basis) ..	6	X	349.0	129 935	N	X	N	N
3212193Y	Medium density fiberboard (MDF) made from MDF produced at this location, nsk	N	X	X	22 555	N	X	X	N
3212193YWV	Medium density fiberboard (MDF) made from MDF produced at this location, nsk	N	X	X	22 555	N	X	X	7 418
3212194	Hardboard made from hardboard produced at this location	N	X	X	945 403	N	X	X	683 397
32121941	Hardboard made from hardboard produced at this location	N	X	X	931 258	N	X	X	N
3212194111	Standard hardboard (not machined or coated) made from hardboard produced at this location mil sq ft (1/8 in. basis) ..	4	X	D	D	5	X	1 267.6	116 882
3212194121	Service, tempered, and other basic hardboard (not machined or coated) made from hardboard produced at this location mil sq ft (1/8 in. basis) ..	4	X	S	64 870	3	X	D	D
3212194131	Machined and cut hardboard, including molded, cut to size, perforated, and panel stock, not coated, made from hardboard produced at this location mil sq ft (1/8 in. basis) ..	2	X	D	D	3	X	D	D
3212194141	Coated or laminated hardboard interior paneling made from hardboard produced at this location mil sq ft (1/8 in. basis) ..	2	X	D	D	4	X	176.8	25 649
3212194151	Coated or laminated hardboard siding made from hardboard produced at this location mil sq ft (1/8 in. basis) ..	6	X	2 561.1	352 483	5	X	S	301 650
3212194161	Other coated or laminated hardboard, including doorskins, garage door panels, and furniture stock, made from hardboard produced at this location mil sq ft (1/8 in. basis) ..	3	X	D	D	3	X	D	D
3212194Y	Hardboard made from hardboard produced at this location, nsk	N	X	X	14 145	N	X	X	N
3212194YWV	Hardboard made from hardboard produced at this location, nsk	N	X	X	14 145	N	X	X	14 946
3212195	Cellulosic fiberboard (insulating board)	N	X	X	140 535	N	X	X	104 301
32121951	Cellulosic fiberboard (insulating board)	N	X	X	140 535	N	X	X	N
3212195100	Cellulosic fiberboard (insulating board) mil sq ft (1/2 in. basis) ..	7	X	1 113.3	140 535	5	X	1 097.4	104 301
3212197	Hardboard made from purchased hardboard	N	X	X	207 125	N	X	X	175 853
32121971	Hardboard made from purchased hardboard	N	X	X	197 644	N	X	X	N
3212197111	Machined and cut hardboard, including molded, cut to size, perforated, and panel stock, not coated, made from purchased hardboard mil sq ft (1/8 in. basis) ..	12	X	S	20 196	8	X	S	22 677
3212197121	Coated or laminated hardboard interior paneling made from purchased hardboard mil sq ft (1/8 in. basis) ..	10	X	S	116 068	6	X	100.4	46 422
3212197131	Other coated or laminated hardboard, including doorskins, garage door panels, furniture stock, and siding, made from purchased hardboard	14	X	X	61 380	21	X	X	61 624
3212197Y	Hardboard made from purchased hardboard, nsk	N	X	X	9 481	N	X	X	N
3212197YWV	Hardboard made from purchased hardboard, nsk	N	X	X	9 481	N	X	X	45 130

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
321219	Reconstituted wood products—Con.								
3212198	Prefinished particleboard and medium density fiberboard (MDF) made from purchased particleboard and MDF	N	X	X	678 788	N	X	X	443 498
32121981	Prefinished particleboard and medium density fiberboard (MDF) made from purchased particleboard and MDF	N	X	X	578 035	N	X	X	N
3212198111	Prefinished particleboard made from purchased particleboard	45	X	S	447 659	54	X	9737.9	321 652
3212198121	Prefinished or coated medium density fiberboard (MDF) made from purchased MDF	32	X	S	130 376	30	X	S	70 490
3212198Y	Prefinished particleboard and medium density fiberboard (MDF) made from purchased particleboard and MDF, nsk	N	X	X	100 753	N	X	X	N
3212198YVV	Prefinished particleboard and medium density fiberboard (MDF) made from purchased particleboard and MDF, nsk	N	X	X	100 753	N	X	X	51 356
321219W	Reconstituted wood products, nsk, total	N	X	X	213 289	N	X	X	116 546
321219WY	Reconstituted wood products, nsk, total	N	X	X	213 289	N	X	X	N
321219WYWW	Reconstituted wood products, nsk, for nonadministrative-record establishments	N	X	X	117 562	N	X	X	98 626
321219WYWY	Reconstituted wood products, nsk, for administrative-record establishments	N	X	X	95 727	N	X	X	17 920
321911	Wood windows and doors	N	X	X	8 012 652	N	X	X	N
3219111	Wood window units	N	X	X	2 568 504	N	X	X	2 393 830
32191111	Double hung wood window units	N	X	X	878 831	N	X	X	N
3219111111	Double hung wood window units, clad	56	X	P4 120.5	693 283	62	X	P5 075.4	679 716
3219111121	Other double hung wood window units	64	X	P1 415.7	185 548	64	X	P2 485.6	217 350
32191112	Casement wood window units	N	X	X	911 740	N	X	X	N
3219111231	Casement wood window units, clad	58	X	P4 244.9	758 667	48	X	P5 217.3	760 650
3219111241	Other casement wood window units	59	X	P879.5	153 073	64	X	S	188 758
32191113	All other wood window units, including horizontal sliding, awning, and single hung	N	X	X	359 183	N	X	X	N
3219111351	Horizontal sliding wood window units, clad	21	X	146.9	34 534	N	X	N	N
3219111361	Other horizontal sliding wood window units	20	X	S	15 564	N	X	N	N
3219111391	All other wood window units, including awning and single hung	55	X	P1 859.9	309 085	N	X	N	N
3219111Y	Wood window units, nsk	N	X	X	418 750	N	X	X	N
3219111YVV	Wood window units, nsk	N	X	X	418 750	N	X	X	94 099
3219113	Wood sash, excluding sash shipped in window units	N	X	X	137 073	N	X	X	134 229
32191131	Wood sash, excluding sash shipped in window units	N	X	X	122 008	N	X	X	N
3219113111	Knockdown and open wood sash, excluding sash shipped in window units	9	X	X	53 416	19	X	X	71 356
3219113121	Glazed wood sash, excluding sash shipped in window units	20	X	924.1	68 592	21	X	P1 008.3	57 206
3219113Y	Wood sash, excluding sash shipped in window units, nsk	N	X	X	15 065	N	X	X	N
3219113YVV	Wood sash, excluding sash shipped in window units, nsk	N	X	X	15 065	N	X	X	5 667
3219115	Wood window and door frames, including door frames shipped in door units, excluding window frames shipped in window units	N	X	X	462 800	N	X	X	462 937
32191151	Wood window and door frames, including door frames shipped in door units, excluding window frames shipped in window units	N	X	X	457 666	N	X	X	N
3219115111	Wood window frames, excluding window frames shipped in window units	30	X	X	100 092	49	X	X	141 325
3219115121	Wood door frames, including door frames shipped in door units	115	X	X	357 574	103	X	X	295 773
3219115Y	Wood window and door frames, including door frames shipped in door units, excluding window frames shipped in window units, n.s.k.	N	X	X	5 134	N	X	X	N
3219115YVV	Wood window and door frames, including door frames shipped in door units, excluding window frames shipped in window units, n.s.k.	N	X	X	5 134	N	X	X	25 839

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321911	Wood windows and doors— Con.								
3219117	Wood panel, flush, and molded face doors, interior and exterior, including doors with glazed sections	N	X	X	2 044 489	N	X	X	1 590 749
32191171	Wood panel, flush, and molded face doors, interior and exterior, including doors with glazed sections	N	X	X	1 350 404	N	X	X	N
3219117111	Panel Douglas fir doors, interior and exterior, including doors with glazed sections	49	X	1 211.3	143 988	66	X	S	165 604
3219117115	Panel western pine doors, interior and exterior, including doors with glazed sections	36	X	S	157 916	61	X	S	233 825
3219117121	Other panel wood doors, interior and exterior, including doors with glazed sections	153	X	S	218 895	112	X	9703.4	111 526
3219117131	Flush, hollow core, softwood faced doors, interior and exterior, including doors with glazed sections	16	X	X	14 589	14	X	X	56 349
3219117135	Flush, hollow core, hardwood faced doors (including lauan, birch, oak, etc.), interior and exterior, including doors with glazed sections	53	X	S	119 527	91	X	S	254 942
3219117141	Flush, hollow core, hardboard faced doors, interior and exterior, including doors with glazed sections	38	X	S	118 439	42	X	99 370.6	174 097
3219117145	Flush, hollow core, other faced doors, interior and exterior, including doors with glazed sections	11	X	S	14 902	13	X	S	23 677
3219117151	Flush, solid wood stave core, hardwood faced doors (including lauan, birch, oak, etc.), interior and exterior, including doors with glazed sections	40	X	X	37 707	55	X	X	105 461
3219117155	Flush, solid composition core, hardwood faced doors (including lauan, birch, oak, etc.), interior and exterior, including doors with glazed sections	55	X	S	292 007	56	X	S	210 315
3219117161	Flush, solid core, other faced doors, interior and exterior, including doors with glazed sections	17	X	S	11 655	N	X	N	N
3219117171	Molded face doors, interior and exterior, including doors with glazed sections	40	X	S	220 779	N	X	N	N
3219117Y	Wood panel, flush, and molded face doors, interior and exterior, including doors with glazed sections, nsk	N	X	X	694 085	N	X	X	N
3219117YV	Wood panel, flush, and molded face doors, interior and exterior, including doors with glazed sections, nsk	N	X	X	694 085	N	X	X	N
3219119	Other wood doors, including garage, bifold, patio, cabinet, screen, storm, and louver	N	X	X	1 339 481	N	X	X	970 859
32191191	Other wood doors, including garage, bifold, patio, cabinet, screen, storm, and louver	N	X	X	1 247 561	N	X	X	N
3219119111	Wood garage doors	28	X	X	77 972	34	X	X	119 592
3219119121	Wood bifold doors	42	X	X	61 010	48	X	X	99 309
3219119131	Wood patio doors, sliding	44	X	X	251 561	41	X	X	237 662
3219119141	Wood patio doors, swinging	41	X	X	321 238	31	X	X	188 788
3219119151	Wood cabinet doors	115	X	X	423 632	N	X	X	N
3219119191	Other wood doors, including screen, storm, and louver	49	X	X	112 148	N	X	X	N
3219119Y	Other wood doors, including garage, patio, bifold, cabinet, screen, storm, and louver, nsk	N	X	X	91 920	N	X	X	N
3219119YV	Other wood doors, including garage, patio, bifold, cabinet, screen, storm, and louver, nsk	N	X	X	91 920	N	X	X	49 531
321911W	Wood windows and doors, nsk, total	N	X	X	1 460 305	N	X	X	N
321911WY	Wood windows and doors, nsk, total	N	X	X	1 460 305	N	X	X	N
321911WYWW	Wood windows and doors, nsk, for nonadministrative-record establishments	N	X	X	1 353 287	N	X	X	N
321911WYWY	Wood windows and doors, nsk, for administrative-record establishments	N	X	X	107 018	N	X	X	N
321912	Cut stock, resawn lumber, and planed lumber	N	X	X	5 572 374	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
321912	Cut stock, resawn lumber, and planed lumber—Con.								
3219121	Hardwood lumber, not edge worked, manufactured from purchased lumber and edge worked	N	X	X	884 650	N	X	X	N
32191211	Hardwood lumber, not edge worked, manufactured from purchased lumber and edge worked	N	X	X	700 031	N	X	X	N
3219121111	Beech rough lumber, not edge worked, manufactured from purchased lumber \$	5	X	X	1 942	N	X	X	N
3219121121	Oak rough lumber, not edge worked, manufactured from purchased lumber \$	72	X	P136.1	133 807	N	X	N	N
3219121131	Other hardwood rough lumber, not edge worked, manufactured from purchased lumber \$	74	X	P242.6	206 478	N	X	N	N
3219121141	Hardwood dressed lumber, not edge worked, manufactured from purchased lumber \$	48	X	Q294.2	329 156	N	X	N	N
3219121151	Hardwood lumber, edge worked (tongued, grooved, rabbeted, etc.)	24	X	S	28 648	N	X	N	N
3219121Y	Hardwood lumber, not edge worked, manufactured from purchased lumber and edge worked, nsk	N	X	X	184 619	N	X	X	N
3219121YVV	Hardwood lumber, not edge worked, manufactured from purchased lumber and edge worked, nsk	N	X	X	184 619	N	X	X	N
3219123	Softwood lumber, not edge worked, manufactured from purchased lumber and edge worked	N	X	X	1 738 525	N	X	X	N
32191231	Softwood lumber, not edge worked, manufactured from purchased lumber and edge worked	N	X	X	1 166 893	N	X	X	N
3219123111	Softwood rough lumber, less than 2 inches in nominal thickness, not edge worked, manufactured from purchased lumber \$	25	X	D	D	N	X	N	N
3219123121	Softwood rough 2-inch lumber, 2 inches in nominal thickness only, not edge worked, manufactured from purchased lumber \$	16	X	D	D	N	X	N	N
3219123131	Softwood rough lumber and timbers, more than 2 inches in nominal thickness, not edge worked, manufactured from purchased lumber \$	10	X	S	13 214	N	X	N	N
3219123141	Softwood dressed lumber, less than 2 inches in nominal thickness, not edge worked, manufactured from purchased lumber \$	48	X	Q384.0	220 235	N	X	N	N
3219123151	Softwood dressed 2-inch lumber, 2 inches in nominal thickness only, not edge worked, manufactured from purchased lumber \$	46	X	493.9	206 542	N	X	N	N
3219123161	Softwood dressed lumber and timbers, more than 2 inches in nominal thickness, not edge worked, manufactured from purchased lumber \$	28	X	Q151.2	80 402	N	X	N	N
3219123171	Softwood lumber, edge worked (tongued, grooved, rabbeted, etc.)	49	X	P407.4	224 813	N	X	N	N
3219123Y	Softwood lumber, not edge worked, manufactured from purchased lumber and edge worked, nsk	N	X	X	571 632	N	X	X	N
3219123YVV	Softwood lumber, not edge worked, manufactured from purchased lumber and edge worked, nsk	N	X	X	571 632	N	X	X	N
3219125	Hardwood cut stock and dimension	N	X	X	1 218 113	N	X	X	845 149
32191251	Hardwood furniture cut stock, rough or surfaced, cut to size	N	X	X	180 287	N	X	X	N
3219125111	Hardwood furniture cut stock, rough or surfaced, cut to size, for cabinets	24	X	S	79 415	N	X	N	N
3219125115	Hardwood furniture cut stock, rough or surfaced, cut to size, not for cabinets	47	X	Q81.5	100 872	N	X	N	N
32191252	Hardwood furniture dimension, semimachined, including edge and face glued parts	N	X	X	176 804	N	X	X	N
3219125221	Hardwood furniture dimension, semimachined, including edge and face glued parts, for cabinets	22	X	P27.7	52 167	N	X	N	N
3219125225	Hardwood furniture dimension, semimachined, including edge and face glued parts, not for cabinets	35	X	P62.7	124 637	N	X	N	N

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NAICS product code	Product	1997				1992			
		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
321912	Cut stock, resawn lumber, and planed lumber—Con.								
3219125	Hardwood cut stock and dimension—Con.								
32191253	Hardwood furniture dimension, fully machined, ready for assembly	N	X	X	366 332	N	X	X	N
3219125331	Hardwood furniture dimension, fully machined, ready for assembly, for cabinets mil bd ft lum cons..	23	X	S	219 623	N	X	N	N
3219125335	Hardwood furniture dimension, fully machined, ready for assembly, not for cabinets mil bd ft lum cons..	60	X	S	146 709	N	X	N	N
32191254	Hardwood industrial cut stock and dimension, and compression-modified or densified wood	N	X	X	227 956	N	X	X	N
3219125441	Hardwood industrial cut stock, rough or surfaced, cut to size	41	X	X	104 270	36	X	X	42 766
3219125444	Hardwood industrial dimension, semimachined, including edge and face glued parts	11	X	X	D	16	X	X	11 073
3219125447	Hardwood industrial dimension, fully machined, ready for assembly mil bd ft lum cons..	20	X	S	108 798	30	X	S	124 116
3219125451	Compression-modified or densified wood (whether or not impregnated with synthetic resin)	1	X	X	D	3	X	X	1 301
3219125Y	Hardwood cut stock and dimension, nsk	N	X	X	266 734	N	X	X	N
3219125YVV	Hardwood cut stock and dimension, nsk	N	X	X	266 734	N	X	X	65 506
3219127	Softwood cut stock and dimension	N	X	X	985 470	N	X	X	N
32191271	Softwood cut stock and dimension	N	X	X	931 351	N	X	X	N
3219127111	Softwood furniture cut stock mil bd ft..	24	X	S	77 407	37	X	P58.8	59 931
3219127121	Softwood industrial cut stock mil bd ft..	86	X	S	751 811	107	X	P586.1	528 701
3219127131	Softwood semimachined and fully machined furniture and industrial dimension	36	X	X	102 133	N	X	X	N
3219127Y	Softwood cut stock and dimension, nsk	N	X	X	54 119	N	X	X	N
3219127YVV	Softwood cut stock and dimension, nsk	N	X	X	54 119	N	X	X	N
3219129	Sawn wood fence stock, wood lath, and contract resawing and planing	N	X	X	135 572	N	X	X	N
32191291	Sawn wood fence stock, wood lath, and contract resawing and planing	N	X	X	132 589	N	X	X	N
3219129111	Sawn wood fence pickets, posts, and rails not assembled into fence sections	20	X	X	45 425	31	X	X	31 014
3219129121	Wood lath	11	X	X	12 140	12	X	X	10 898
3219129131	Receipts for contract resawing and planing	90	X	X	75 024	N	X	X	N
3219129Y	Sawn wood fence stock, wood lath, and contract resawing and planing, nsk	N	X	X	2 983	N	X	X	N
3219129YVV	Sawn wood fence stock, wood lath, and contract resawing and planing, nsk	N	X	X	2 983	N	X	X	N
321912W	Cut stock, resawn lumber, and planed lumber, nsk, total	N	X	X	610 044	N	X	X	N
321912WY	Cut stock, resawn lumber, and planed lumber, nsk, total	N	X	X	610 044	N	X	X	N
321912WYWW	Cut stock, resawn lumber, and planed lumber, nsk, for nonadministrative-record establishments	N	X	X	481 337	N	X	X	N
321912WYWY	Cut stock, resawn lumber, and planed lumber, nsk, for administrative-record establishments	N	X	X	128 707	N	X	X	N
321918	Other millwork (including flooring)	N	X	X	4 273 985	N	X	X	N
3219181	Wood moldings, except prefinished moldings made from purchased moldings, including moldings covered with metal, plastics, etc.	N	X	X	1 504 625	N	X	X	1 194 825
32191811	Wood moldings, except prefinished moldings made from purchased moldings, including moldings covered with metal, plastics, etc.	N	X	X	1 353 809	N	X	X	N
3219181111	Pine wood moldings, except prefinished moldings made from purchased moldings, including moldings covered with metal, plastics, etc.	78	X	X	830 077	89	X	X	678 402
3219181121	Other softwood moldings, except prefinished moldings made from purchased moldings, including moldings covered with metal, plastics, etc.	37	X	X	87 813	60	X	X	113 503

Table 1. Products Statistics: 1997 and 1992—Con.

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
321918	Other millwork (including flooring)—Con.								
3219181	Wood moldings, except prefinished moldings made from purchased moldings, including moldings covered with metal, plastics, etc.—Con.								
32191811	Wood moldings, except prefinished moldings made from purchased moldings, including moldings covered with metal, plastics, etc.—Con.								
3219181131	Hardwood moldings, except prefinished moldings made from purchased moldings, including lauan and hardwood covered with metal, plastics, etc.	168	X	X	435 919	174	X	X	279 380
3219181Y	Wood moldings, except prefinished moldings made from purchased moldings, including moldings covered with metal, plastics, etc., nsk	N	X	X	150 816	N	X	X	N
3219181YWV	Wood moldings, except prefinished moldings made from purchased moldings, including moldings covered with metal, plastics, etc., nsk	N	X	X	150 816	N	X	X	123 540
3219183	Prefinished wood moldings made from purchased moldings, including moldings covered with metal, plastics, etc.	N	X	X	64 823	N	X	X	152 015
32191831	Prefinished wood moldings made from purchased moldings, including moldings covered with metal, plastics, etc.	N	X	X	44 153	N	X	X	N
3219183111	Prefinished softwood moldings made from purchased moldings, including softwood covered with metal, plastics, etc.	20	X	X	17 060	28	X	X	98 959
3219183121	Prefinished hardwood moldings made from purchased moldings, including lauan and hardwood covered with metal, plastics, etc.	28	X	X	27 093	29	X	X	15 250
3219183Y	Prefinished wood moldings made from purchased moldings, including moldings covered with metal, plastics, etc., nsk	N	X	X	20 670	N	X	X	N
3219183YWV	Prefinished wood moldings made from purchased moldings, including moldings covered with metal, plastics, etc., nsk	N	X	X	20 670	N	X	X	37 806
3219185	Other wood millwork products, including stairwork, exterior millwork, and softwood flooring	N	X	X	1 157 870	N	X	X	N
32191851	Other wood millwork products, including stairwork, exterior millwork, and softwood flooring	N	X	X	971 573	N	X	X	N
3219185111	Softwood stairwork, including treads, risers, balusters, brackets, crooks, newels, rails, etc.	62	X	X	83 459	74	X	X	110 201
3219185121	Hardwood stairwork, including treads, risers, balusters, brackets, crooks, newels, rails, etc.	142	X	X	250 744	133	X	X	172 048
3219185131	Exterior wood millwork, including porch columns, porch rails, newels, trellises, and entrances	43	X	X	112 197	40	X	X	62 940
3219185141	Nonstandard or specialty softwood moldings, carvings, and ornaments	24	X	X	19 303	29	X	X	50 548
3219185151	Nonstandard or specialty hardwood moldings, carvings, and ornaments	65	X	X	55 530	78	X	X	75 283
3219185161	Softwood flooring	16	X	X	19 595	15	X	X	13 308
3219185191	Other wood millwork products, n.e.c., including shutters and interior millwork	245	X	X	430 745	N	X	X	N
3219185Y	Other wood millwork products, including stairwork, exterior millwork, and softwood flooring, nsk	N	X	X	186 297	N	X	X	N
3219185YWV	Other wood millwork products, including stairwork, exterior millwork, and softwood flooring, nsk	N	X	X	186 297	N	X	X	N
3219187	Hardwood flooring	N	X	X	1 215 573	N	X	X	659 368
32191871	Oak flooring	N	X	X	810 657	N	X	X	N
3219187111	Oak flooring (three-quarter inch, one-half inch, and three-eighth inch nominally thick tongue and groove (T&G) and end matched (EM) strip; and five-sixteenth inch nominally thick square edge strip)	42	X	P409.7	657 958	41	X	273.1	380 887
3219187121	Oak parquetry	8	X	922.3	31 384	11	X	27.6	42 373
3219187131	Other oak flooring	13	X	49.1	121 315	21	X	41.6	80 387

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
321918	Other millwork (including flooring)—Con.								
3219187	Hardwood flooring—Con.								
32191872	Hardwood flooring, except oak	N	X	X	187 382	N	X	X	N
3219187241	Maple flooring mil bd ft.,	18	X	26.7	58 095	10	X	15.4	26 192
3219187251	Glued laminated hardwood truck trailer flooring and railroad car decking mil bd ft.,	8	X	48.6	103 480	7	X	45.4	80 807
3219187291	Other hardwood flooring	24	X	X	25 807	15	X	X	23 994
3219187Y	Hardwood flooring, nsk	N	X	X	217 534	N	X	X	N
3219187YVV	Hardwood flooring, nsk	N	X	X	217 534	N	X	X	24 728
321918W	Other millwork (including flooring), nsk, total	N	X	X	331 094	N	X	X	N
321918WY	Other millwork (including flooring), nsk, total	N	X	X	331 094	N	X	X	N
321918WYWW	Other millwork (including flooring), nsk, for nonadministrative-record establishments	N	X	X	153 543	N	X	X	N
321918WYWY	Other millwork (including flooring), nsk, for administrative-record establishments	N	X	X	177 551	N	X	X	N
321920	Wood containers and pallets	N	X	X	4 309 881	N	X	X	N
3219201	Nailed and lock-corner wood boxes	N	X	X	195 944	N	X	X	136 754
32192011	Nailed and lock-corner wood boxes	N	X	X	162 469	N	X	X	N
3219201111	Nailed and lock-corner wood boxes made from lumber	110	X	X	102 545	72	X	X	65 762
3219201121	Nailed and lock-corner wood boxes made from veneer, plywood, and wood and fiber combination, including wood and part wood cigar boxes	62	X	X	59 924	55	X	X	55 909
3219201Y	Nailed and lock-corner wood boxes, nsk	N	X	X	33 475	N	X	X	N
3219201YVV	Nailed and lock-corner wood boxes, nsk	N	X	X	33 475	N	X	X	15 083
3219203	Wood box and crate shook	N	X	X	173 159	N	X	X	230 722
32192031	Wood box and crate shook	N	X	X	155 969	N	X	X	N
3219203111	Wood box and crate shook made from lumber, for fruits and vegetables	28	X	X	41 179	35	X	X	60 876
3219203121	Wood box and crate shook made from lumber, not for fruits and vegetables	89	X	X	72 132	132	X	X	114 068
3219203131	Wood box and crate shook made from veneer and plywood	51	X	X	42 658	26	X	X	40 696
3219203Y	Wood box and crate shook, nsk	N	X	X	17 190	N	X	X	N
3219203YVV	Wood box and crate shook, nsk	N	X	X	17 190	N	X	X	15 082
3219205	Wood and metal combination and wood pallets and pallet containers	N	X	X	3 092 738	N	X	X	N
32192051	Wood pallets, except skids	N	X	X	2 281 516	N	X	X	N
3219205111	Wood pallets, except skids	1 089	X	X	2 281 516	1 027	X	X	1 449 144
32192052	Wood skids, wood and metal combination pallets, and wood and metal combination and wood pallet containers	N	X	X	216 066	N	X	X	N
3219205221	Wood skids	201	X	X	144 888	167	X	X	105 938
3219205231	Wood and metal combination pallets	14	X	X	10 978	67	X	X	92 601
3219205241	Wood and metal combination and wood pallet containers	37	X	X	60 200	64	X	X	73 491
3219205Y	Wood and metal combination and wood pallets and pallet containers, nsk	N	X	X	595 156	N	X	X	N
3219205YVV	Wood and metal combination and wood pallets and pallet containers, nsk	N	X	X	595 156	N	X	X	N
3219207	Wood container parts and wood containers, nec	N	X	X	546 122	N	X	X	N
32192071	Wood container parts and wood containers, nec	N	X	X	434 106	N	X	X	N
3219207111	Wirebound wood boxes made from lumber	13	X	X	27 847	12	X	X	25 363
3219207121	Wirebound wood boxes made from veneer and plywood, for fruits and vegetables	9	X	X	70 418	14	X	X	78 039
3219207131	Wirebound wood boxes made from veneer and plywood, not for fruits and vegetables	4	X	X	18 663	14	X	X	21 162
3219207141	Wood slack and tight cooperage (hogsheads, barrels, kegs, tubs, etc.), new and reconverted used	32	X	X	171 314	19	X	X	98 070
3219207151	Wood jewelry boxes, silverware chests, instrument cases, cigar and cigarette boxes, microscope cases, tool or utility cases, and similar boxes, cases, and chests	53	X	X	66 204	44	X	X	42 927

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
321920	Wood containers and pallets—Con.								
3219207	Wood container parts and wood containers, nec—Con.								
32192071	Wood container parts and wood containers, nec—Con.								
3219207191	Other wood container parts and wood containers, nec	31	X	X	79 660	N	X	X	N
3219207Y	Wood container parts and wood containers, nec, nsk	N	X	X	112 016	N	X	X	N
3219207YWV	Wood container parts and wood containers, nec, nsk	N	X	X	112 016	N	X	X	N
321920W	Wood containers and pallets, nsk, total	N	X	X	301 918	N	X	X	N
321920WY	Wood containers and pallets, nsk, total	N	X	X	301 918	N	X	X	N
321920WYWW	Wood containers and pallets, nsk, for nonadministrative-record establishments	N	X	X	49 797	N	X	X	N
321920WYWY	Wood containers and pallets, nsk, for administrative-record establishments	N	X	X	252 121	N	X	X	N
321991	Manufactured homes (mobile homes)	N	X	X	10 064 087	N	X	X	4 446 189
3219911	Manufactured homes (mobile homes)	N	X	X	9 651 119	N	X	X	3 920 654
32199111	Manufactured homes (mobile homes), 13 feet 11 inches or less in width	N	X	X	815 707	N	X	X	N
3219911111	Manufactured homes (mobile homes), 11 feet 11 inches or less in width	6	X	P4.8	87 186	7	X	1.9	26 309
3219911121	Manufactured homes (mobile homes), 12 feet to 13 feet 11 inches in width	15	X	29.9	728 521	N	X	N	N
32199112	Manufactured homes (mobile homes), 14 feet or more in width	N	X	X	2 779 790	N	X	X	N
3219911231	Manufactured homes (mobile homes), 14 feet to 15 feet 11 inches in width	36	X	67.6	1 269 302	N	X	N	N
3219911241	Manufactured homes (mobile homes), 16 feet or more in width	34	X	67.9	1 510 488	N	X	N	N
32199113	Manufactured homes (mobile homes), multisection	N	X	X	5 156 277	N	X	X	N
3219911351	Manufactured homes (mobile homes), multisection	48	X	160.4	5 156 277	58	X	90.8	2 224 143
3219911Y	Manufactured homes (mobile homes), nsk	N	X	X	899 345	N	X	X	N
3219911YWV	Manufactured homes (mobile homes), nsk	N	X	X	899 345	N	X	X	197 746
3219915	Nonresidential mobile buildings	N	X	X	349 800	N	X	X	162 541
32199151	Nonresidential mobile buildings	N	X	X	321 684	N	X	X	N
3219915111	Nonresidential mobile buildings, office and other commercial	28	X	911.6	166 781	23	X	95.1	64 404
3219915121	Other nonresidential mobile buildings, including classroom and industrial	22	X	S	154 903	18	X	94.1	62 253
3219915Y	Nonresidential mobile buildings, nsk	N	X	X	28 116	N	X	X	N
3219915YWV	Nonresidential mobile buildings, nsk	N	X	X	28 116	N	X	X	35 884
321991W	Manufactured homes (mobile homes), nsk, total	N	X	X	63 168	N	X	X	362 994
321991WY	Manufactured home (mobile home) manufacturing, nsk, total	N	X	X	63 168	N	X	X	N
321991WYWW	Manufactured home (mobile home) manufacturing, nsk, for nonadministrative-record establishments	N	X	X	30 364	N	X	X	357 669
321991WYWY	Manufactured home (mobile home) manufacturing, nsk, for administrative-record establishments	N	X	X	32 804	N	X	X	5 325
321992	Prefabricated wood buildings	N	X	X	2 858 640	N	X	X	2 163 573

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321992	Prefabricated wood buildings—Con.								
3219921	Components for prefabricated stationary wood buildings (not sold as complete units)	N	X	X	230 146	N	X	X	270 911
32199211	Components for prefabricated stationary wood buildings (not sold as complete units)	N	X	X	196 733	N	X	X	N
3219921111	Components for prefabricated stationary wood residential buildings, including homes, townhouses, and apartments (not sold as complete units)	81	X	X	179 112	76	X	X	167 537
3219921121	Components for prefabricated stationary wood nonresidential buildings, including motels and hotels (not sold as complete units)	21	X	X	17 621	29	X	X	35 808
3219921Y	Components for prefabricated stationary wood buildings (not sold as complete units), nsk	N	X	X	33 413	N	X	X	N
3219921YVV	Components for prefabricated stationary wood buildings (not sold as complete units), nsk	N	X	X	33 413	N	X	X	67 566
3219923	Precut packages for prefabricated stationary wood buildings (complete units)	N	X	X	596 241	N	X	X	406 096
32199231	Precut packages for prefabricated stationary wood buildings (complete units)	N	X	X	581 107	N	X	X	N
3219923111	Precut packages for prefabricated stationary residential log homes (complete units)	77	X	S	234 594	51	X	15.2	121 346
3219923121	Precut packages for other prefabricated stationary residential wood buildings, including homes, townhouses, and apartments (complete units)	16	X	S	135 157	24	X	5.7	86 704
3219923131	Precut packages for prefabricated stationary nonresidential wood buildings, including motels and hotels (complete units)	14	X	X	211 356	22	X	X	194 848
3219923Y	Precut packages for prefabricated stationary wood buildings (complete units), nsk	N	X	X	15 134	N	X	X	N
3219923YVV	Precut packages for prefabricated stationary wood buildings (complete units), nsk	N	X	X	15 134	N	X	X	3 198
3219925	Prefabricated stationary wood buildings shipped in panel form (complete units)	N	X	X	442 965	N	X	X	339 546
32199251	Prefabricated stationary wood buildings shipped in panel form (complete units)	N	X	X	413 591	N	X	X	N
3219925111	Prefabricated stationary residential single family wood buildings, including townhouses, shipped in panel form (complete units)	33	X	P10.0	324 923	31	X	P9.9	254 838
3219925121	Prefabricated stationary residential multifamily wood buildings shipped in panel form (complete units)	6	X	.6	13 777	8	X	P.6	5 778
3219925131	Prefabricated stationary nonresidential wood buildings, including motels and hotels, shipped in panel form (complete units)	12	X	S	74 891	13	X	S	39 269
3219925Y	Prefabricated stationary wood buildings shipped in panel form (complete units), nsk	N	X	X	29 374	N	X	X	N
3219925YVV	Prefabricated stationary wood buildings shipped in panel form (complete units), nsk	N	X	X	29 374	N	X	X	39 661
3219927	Prefabricated stationary wood buildings shipped in three-dimensional assemblies	N	X	X	1 178 019	N	X	X	821 976
32199271	Prefabricated stationary residential wood buildings, including homes, townhouses, and apartments, shipped in three-dimensional assemblies	N	X	X	814 337	N	X	X	N
3219927111	Prefabricated stationary residential wood buildings, including homes, townhouses, and apartments, shipped in three-dimensional assemblies	62	X	S	814 337	58	X	P17.2	588 331
32199272	Prefabricated stationary nonresidential wood buildings, including motels and hotels, shipped in three-dimensional assemblies	N	X	X	298 920	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
321992	Prefabricated wood buildings—Con.								
3219927	Prefabricated stationary wood buildings shipped in three-dimensional assemblies—Con.								
32199272	Prefabricated stationary nonresidential wood buildings, including motels and hotels, shipped in three-dimensional assemblies—Con.								
3219927221	Prefabricated stationary nonresidential wood buildings, including motels and hotels, shipped in three-dimensional assemblies 1,000 units . .	65	X	S	298 920	33	X	913.3	132 257
3219927Y	Prefabricated stationary wood buildings shipped in three-dimensional assemblies, nsk	N	X	X	64 762	N	X	X	N
3219927YWV	Prefabricated stationary wood buildings shipped in three-dimensional assemblies, nsk	N	X	X	64 762	N	X	X	101 388
321992W	Prefabricated wood buildings, nsk, total	N	X	X	411 269	N	X	X	325 044
321992WY	Prefabricated wood buildings, nsk, total	N	X	X	411 269	N	X	X	N
321992WYWW	Prefabricated wood buildings, nsk, for nonadministrative-record establishments	N	X	X	339 814	N	X	X	269 437
321992WYWY	Prefabricated wood buildings, nsk, for administrative-record establishments	N	X	X	71 455	N	X	X	55 607
321999	All other miscellaneous wood products	N	X	X	3 844 186	N	X	X	N
3219990	All other miscellaneous wood products	N	X	X	3 844 186	N	X	X	N
32199901	Other wood products	N	X	X	3 139 574	N	X	X	N
3219990111	Finished wood moldings for mirrors and pictures	45	X	X	101 393	48	X	X	53 978
3219990114	Cork and cork products of natural, waste (including granulated and ground), and composition cork (except gaskets)	19	X	X	76 473	28	X	X	70 873
3219990121	Wood statuettes and other ornaments, including ashtrays, bookends, plaques, and trophies	58	X	X	74 211	45	X	X	56 667
3219990124	Wood tableware and kitchenware	30	X	X	51 900	35	X	X	49 978
3219990127	Wood fence pickets, posts, and rails assembled into fence sections	36	X	X	53 806	40	X	X	51 142
3219990131	Wood toothpicks, skewers, candy sticks, ice cream sticks, tongue depressors, drink mixers, and similar small wood wares	10	X	X	87 208	12	X	X	59 256
3219990134	Firewood and fuel wood containing an added binder, including compressed logs	13	X	X	119 541	29	X	X	72 119
3219990137	Bamboo, rattan, willow, and chip basketwork, wickerwork, and related products of fibrous vegetable substances, except furniture and laundry hampers	11	X	X	32 376	N	X	X	N
3219990141	Lasts for boots and shoes (wood and other materials), remodeled last sole patterns and forms, shoe trees, and stretchers	4	X	X	D	5	X	X	11 886
3219990144	Wood striking tool handles (axe, pick, hammer, etc.)	16	X	X	30 096	15	X	X	25 096
3219990147	Other wood handtool handles, including spade, shovel, rake, scythe, and other mechanics, farm, garden, household, etc.	15	X	X	35 615	20	X	X	30 691
3219990151	Wood broom, mop, and paintbrush handles	14	X	X	28 539	13	X	X	24 260
3219990154	Other wood handles, wood tools, tool bodies, and backs for brooms, mops, and brushes	13	X	X	21 202	16	X	X	17 834
3219990157	Wood dowels and dowel pins (plain or sanded, grooved, or otherwise advanced in condition)	30	X	X	67 920	30	X	X	51 357
3219990161	Wood stepladders	11	X	X	54 500	14	X	X	54 974
3219990164	Wood rung ladders (nonextension, extension, and scaffolding ladders)	9	X	X	6 556	18	X	X	13 762
3219990167	Wood reels for wire and cable	42	X	X	325 578	36	X	X	163 055
3219990171	Wood flour	7	X	X	42 167	8	X	X	25 703
3219990174	Wood toilet seats, including molded wood	9	X	X	153 998	7	X	X	101 008
3219990191	Miscellaneous wood products, nec.	829	X	X	D	N	X	X	N

Table 1. **Products Statistics: 1997 and 1992—Con.**

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		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
321999	All other miscellaneous wood products—Con.								
3219990	All other miscellaneous wood products—Con.								
3219990Y	All other miscellaneous wood products, nsk, total	N	X	X	704 612	N	X	X	N
3219990YWW	All other miscellaneous wood products, nsk, for nonadministrative-record establishments	N	X	X	557 839	N	X	X	N
3219990YWY	All other miscellaneous wood products, nsk, for administrative-record establishments	N	X	X	146 773	N	X	X	N
322110	Pulp	N	X	X	6 371 092	N	X	X	6 103 858
3221101	Special alpha and dissolving woodpulp (sulfite and sulfate for chemical conversion, papermaking, and other uses)	N	X	X	842 210	N	X	X	921 469
32211011	Special alpha and dissolving woodpulp (sulfite and sulfate for chemical conversion, papermaking, and other uses)	N	X	X	842 210	N	X	X	N
3221101100	Special alpha and dissolving woodpulp (sulfite and sulfate for chemical conversion, papermaking, and other uses)	6	1 039.3	1 073.2	842 210	7	1 518.8	1 498.4	921 469
3221103	Sulfate woodpulp, including soda	N	X	X	4 638 302	N	X	X	4 411 596
32211031	Sulfate woodpulp, including soda	N	X	X	4 638 302	N	X	X	N
3221103111	Sulfate woodpulp, bleached and semibleached, including soda	28	27 302.7	10 069.2	4 387 129	29	27 740.5	9 628.4	4 333 125
3221103121	Sulfate woodpulp, unbleached	9	25 766.6	909.0	251 173	10	22 733.1	271.4	78 471
3221103Y	Sulfate woodpulp, including soda, nsk	N	X	X	—	N	X	X	N
3221103YWW	Sulfate woodpulp, including soda, nsk	N	X	X	—	N	X	X	—
3221105	Sulfite and other woodpulp	N	X	X	251 393	N	X	X	280 448
32211051	Sulfite and other woodpulp	N	X	X	251 393	N	X	X	N
3221105111	Sulfite woodpulp, bleached and unbleached	7	1 813.8	456.6	208 426	7	1 685.2	D	D
3221105121	Groundwood pulp (stone, refiner, and thermomechanical)	1	6 710.7	D	D	—	5 987.3	—	—
3221105131	Semichemical woodpulp	2	P4 584.2	D	D	—	3 703.9	—	—
3221105141	Other woodpulp, including defibrated or exploded, screenings, damaged, etc.	—	D	—	—	1	D	D	D
3221105Y	Sulfite and other woodpulp, nsk	N	X	X	—	N	X	X	N
3221105YWW	Sulfite and other woodpulp, nsk	N	X	X	—	N	X	X	—
3221107	Pulp, other than wood, and pulp mill byproducts, nec	N	X	X	639 187	N	X	X	490 345
32211071	Pulp, other than wood, and pulp mill byproducts, nec	N	X	X	639 187	N	X	X	N
3221107111	Cotton linter pulp	3	D	D	D	4	S	173.9	187 972
3221107121	Other pulp, including pulp made from straw, rag, flax, deinked paper, bagasse, etc.	17	P4 586.7	D	D	13	2 444.4	P457.9	206 189
3221107131	Turpentine, sulfate	30	930.8	27.0	41 133	29	P30.4	30.3	26 941
3221107141	Other pulp mill cooking liquor byproducts (skimmings, binders, fuel, etc.)	12	P1 827.2	1 546.0	79 413	18	2 760.0	864.4	69 243
3221107Y	Pulp, other than wood, and pulp mill byproducts, nec, nsk	N	X	X	—	N	X	X	N
3221107YWW	Pulp, other than wood, and pulp mill byproducts, nec, nsk	N	X	X	—	N	X	X	—
322110W	Pulp mill products, nsk, total	N	X	X	—	N	X	X	—
322110WY	Pulp mill products, nsk, total	N	X	X	—	N	X	X	N
322110WYWW	Pulp mill products, nsk, for nonadministrative-record establishments	N	X	X	—	N	X	X	—
322110WYWY	Pulp mill products, nsk, for administrative-record establishments	N	X	X	—	N	X	X	—

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
322121	Paper (except newsprint)	N	X	X	39 984 666	N	X	X	N
3221211	Clay-coated printing and converting paper	N	X	X	8 452 880	N	X	X	7 360 722
32212111	Clay-coated groundwood printing and converting paper (containing more than 10 percent mechanical fiber), including prime-coated body stock	N	X	X	3 706 540	N	X	X	N
322121111	Clay-coated groundwood printing and converting paper (containing more than 10 percent mechanical fiber), including prime-coated body stock	12	X	4 818.5	3 706 540	N	X	N	N
32212112	Clay-coated freesheet printing and converting paper (containing not more than 10 percent mechanical fiber), including prime-coated body stock	N	X	X	4 746 340	N	X	X	N
3221211221	Clay-coated freesheet printing and converting paper, coated one side (containing not more than 10 percent mechanical fiber), including prime-coated body stock	16	X	983.1	955 531	N	X	N	N
3221211231	Clay-coated freesheet printing and converting paper, coated two sides (containing not more than 10 percent mechanical fiber), including prime-coated body stock	16	X	4 007.3	3 790 809	N	X	N	N
3221211Y	Clay-coated printing and converting paper, nsk	N	X	X	—	N	X	X	N
3221211YWV	Clay-coated printing and converting paper, nsk	N	X	X	—	N	X	X	15 141
3221213	Uncoated freesheet paper (containing not more than 10 percent mechanical fiber)	N	X	X	11 633 314	N	X	X	8 693 189
32212131	Bond and writing paper, and form bond in rolls, uncoated freesheet	N	X	X	3 472 714	N	X	X	N
322121311	Bond and writing paper, including protective check, uncoated freesheet	18	X	3 050.4	2 287 119	22	X	2 138.3	1 870 075
3221213115	Form bond paper in rolls, uncoated freesheet	15	X	1 866.3	1 185 595	17	X	1 883.6	1 093 296
32212132	Other writing paper, including body stock for communication papers, technical and reproduction, tablet, ledger, onion skin, papeterie and wedding, etc., uncoated freesheet	N	X	X	2 095 580	N	X	X	N
3221213221	Body stock for communication, copying, and related papers, uncoated freesheet	9	X	1 090.5	787 854	11	X	406.5	265 236
3221213225	Other uncoated freesheet technical and reproduction papers, including mimeograph and gelatin and spirit process duplicating	10	X	1 134.3	848 845	13	X	1 755.3	1 100 297
3221213231	Writing tablet paper, uncoated freesheet	11	X	1 327.8	216 922	14	X	353.2	193 732
3221213235	Other writing paper, including ledger, onion skin, papeterie and wedding, etc., uncoated freesheet	10	X	351.0	241 959	14	X	97.5	71 541
32212133	Publication and printing paper, uncoated freesheet, all types	N	X	X	2 776 755	N	X	X	N
3221213341	Plain publication and printing paper, uncoated freesheet, including machine finish, English finish, antique, bulking, eggshell, and supercalendered	7	X	257.7	214 668	9	X	365.2	348 550
3221213345	Offset publication and printing paper, uncoated freesheet	23	X	2 231.6	1 730 654	22	X	2 143.3	1 499 168
3221213351	Other uncoated publication and printing freesheet paper	21	X	1 894.5	831 433	22	X	844.2	629 201
32212134	Cover and text papers, envelope, body stock for coating, and all other converting and miscellaneous uncoated freesheet paper	N	X	X	3 288 265	N	X	X	N
3221213461	Cover and text papers, uncoated freesheet	18	X	548.8	899 380	21	X	391.6	602 355
3221213471	Envelope (white wove) paper, uncoated freesheet	13	X	1 043.4	673 392	15	X	1 044.9	543 556
3221213481	Kraft envelope (bleached kraft and brown kraft) paper, uncoated freesheet	10	X	1 243.5	177 234	10	X	322.0	210 837
3221213491	Uncoated freesheet body stock paper for coating (base or raw stock for conversion of off-machine coating) and miscellaneous uncoated freesheet nec	12	X	1 261.4	1 538 259	12	X	285.4	247 094
3221213Y	Uncoated freesheet (containing not more than 10 percent mechanical fiber), nsk	N	X	X	—	N	X	X	N
3221213YWV	Uncoated freesheet (containing not more than 10 percent mechanical fiber), nsk	N	X	X	—	N	X	X	18 251

Table 1. **Products Statistics: 1997 and 1992—Con.**

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
322121	Paper (except newsprint)—Con.								
3221215	Bleached bristols, excluding cotton fiber index and bogus (weight more than 150 grams per sq meter)	N	X	X	1 230 728	N	X	X	1 153 677
32212151	Bleached bristols, excluding cotton fiber index and bogus (weight more than 150 g per sq m)	N	X	X	1 230 728	N	X	X	N
3221215111	Uncoated bleached bristol tag stock (weight more than 150 g per sq m)	10	X	S	150 667	9	X	199.9	150 108
3221215121	Uncoated bleached bristol file folder stock (weight more than 150 g per sq m)	10	X		311.2	10	X	243.2	180 949
3221215131	Other uncoated bleached bristols, including tabulating card, index, printing, and postcard stock (weight more than 150 g per sq m), excluding cotton fiber index and bogus	14	X		301.9	17	X	330.0	280 343
3221215141	Coated bleached bristols (weight more than 150 g per sq m), excluding cotton fiber index and bogus	5	X		720.0	7	X	548.8	542 277
3221215Y	Bleached bristols (weight more than 150 g-m2), excluding cotton fiber index and bogus, nsk	N	X	X	—	N	X	X	N
3221215YVV	Bleached bristols (weight more than 150 g-m2), excluding cotton fiber index and bogus, nsk	N	X	X	—	N	X	X	—
3221217	Cotton fiber paper (containing 25 percent or more cotton or similar fibers) and thin paper	N	X	X	762 448	N	X	X	804 562
32212171	Cotton fiber paper (containing 25 percent or more cotton or similar fibers) and thin paper	N	X	X	691 127	N	X	X	N
3221217111	Cotton fiber paper (containing 25 percent or more cotton or similar fibers)	11	X		141.5	N	X	N	N
3221217121	Thin paper including carbonizing, Bible, mimeograph and duplicating stencil tissue, India, tipping, condenser, cigarette paper, etc.	6	X		133.3	4	X	157.6	387 048
3221217Y	Cotton fiber paper (containing 25 percent or more cotton or similar fibers) and thin paper, nsk	N	X	X	71 321	N	X	X	N
3221217YVV	Cotton fiber paper (containing 25 percent or more cotton or similar fibers) and thin paper, nsk	N	X	X	71 321	N	X	X	5 893
3221219	Unbleached kraft (not less than 80 percent) packaging and industrial converting paper	N	X	X	1 292 969	N	X	X	1 299 177
32212191	Unbleached kraft (not less than 80 percent) packaging and industrial converting paper	N	X	X	1 280 676	N	X	X	N
3221219111	Unbleached kraft shipping sack paper (meets minimum Federal specifications UU-S-48) and other unbleached kraft shipping sack paper	4	X		440.5	10	X	680.7	331 843
3221219121	Unbleached kraft bag and sack paper (except shipping), including grocers' and other unbleached kraft bag and sack for notion, millinery, etc.	16	X		1 252.9	19	X	1 552.5	675 905
3221219131	Unbleached kraft wrapping and specialty packaging paper (92 lb or less), including flour, sugar, dog food, fast foods, dairy products, etc.	10	X		156.6	14	X	203.8	107 884
3221219191	Other unbleached kraft converting paper, including creping (92 lb or less), asphaltting paper, coating and laminating, gumming, etc.	11	X		913.6	10	X	304.4	177 098
3221219Y	Unbleached kraft (not less than 80 percent) packaging and industrial converting paper, nsk	N	X	X	12 293	N	X	X	N
3221219YVV	Unbleached kraft (not less than 80 percent) packaging and industrial converting paper, nsk	N	X	X	12 293	N	X	X	6 447
322121A	Packaging and industrial converting paper, except unbleached kraft	N	X	X	1 098 365	N	X	X	950 888
322121A1	Packaging and industrial converting paper, except unbleached kraft	N	X	X	1 080 132	N	X	X	N
322121A111	Shipping sack paper (except unbleached kraft), including combination kraft and rope, bleached and semibleached	3	X		32.7	8	X	186.2	134 155

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
322121	Paper (except newsprint)—Con.								
322121A	Packaging and industrial converting paper, except unbleached kraft—Con.								
322121A1	Packaging and industrial converting paper, except unbleached kraft—Con.								
322121A121	Other bag and sack paper, except unbleached kraft and shipping, including grocers', liquor, millinery, notion, variety, etc. 1,000 s tons..	8	X	178.1	118 656	7	X	112.6	75 685
322121A131	Specialty packaging (92 lb or less) and wrapping paper, except unbleached kraft (butcher, flour, sugar, fast foods, confectionery, etc.) 1,000 s tons..	16	X	626.6	687 977	15	X	496.6	521 054
322121A141	Other converting stock, including asphalt and crepe stocks (not more than 92 lb), coating and laminating, gummed, twisting and spinning stock (19 lb or more), and waxing stock (18 lb or more) 1,000 s tons..	11	X	165.3	189 982	N	X	N	N
322121A151	Glassine, greaseproof, and vegetable parchment, all grades regardless of end use (92 lb or less) 1,000 s tons..	6	X	45.1	56 862	7	X	66.0	99 218
322121AY	Packaging and industrial converting paper, except unbleached kraft, nsk	N	X	X	18 233	N	X	X	N
322121AYWV	Packaging and industrial converting paper, except unbleached kraft, nsk	N	X	X	18 233	N	X	X	9 562
322121C	Special industrial paper, except specialty packaging, including absorbent, battery separator, electrical papers, etc.	N	X	X	1 843 513	N	X	X	1 478 724
322121C1	Special industrial paper, except specialty packaging, including absorbent, battery separator, electrical papers, etc.	N	X	X	1 843 513	N	X	X	N
322121C100	Special industrial paper, except specialty packaging, including absorbent, battery separator, electrical papers, etc. 1,000 s tons..	35	X	987.9	1 843 513	43	X	1 131.7	1 478 724
322121E	Construction paper	N	X	X	D	N	X	X	158 962
322121E1	Construction paper	N	X	X	D	N	X	X	N
322121E111	Roofing felts, saturating and dry 1,000 s tons..	12	X	340.7	93 423	7	X	298.5	70 157
322121E121	Other construction paper, including sheathing paper, floor covering felts, automotive, insulating paper blankets, etc. 1,000 s tons..	9	X	363.5	D	6	X	102.6	71 263
322121EY	Construction paper, nsk	N	X	X	—	N	X	X	N
322121EYWV	Construction paper, nsk	N	X	X	—	N	X	X	17 542
322121G	Tissue paper and other machine-creped paper	N	X	X	2 364 687	N	X	X	5 024 700
322121G1	Toilet tissue stock	N	X	X	753 376	N	X	X	N
322121G111	Toilet tissue stock 1,000 s tons..	20	N	841.5	753 376	15	N	2 269.0	1 973 733
322121G2	Toweling paper stock, except wiper stock	N	X	X	786 040	N	X	X	N
322121G221	Toweling paper stock, except wiper stock 1,000 s tons..	19	N	914.8	786 040	18	N	1 675.5	1 420 083
322121G3	Tissue paper and other machine-creped paper, excluding toilet tissue stock and toweling paper stock	N	X	X	825 271	N	X	X	N
322121G331	Facial tissue stock, except toweling, napkin, and toilet 1,000 s tons..	7	N	20.5	21 440	11	N	363.8	493 994
322121G341	Napkin paper stock, except sanitary napkin stock wadding 1,000 s tons..	18	N	293.6	281 974	20	N	672.0	535 249
322121G351	Wiper tissue stock, regular, facial, and wadding stock 1,000 s tons..	3	N	6.4	10 361	9	N	88.0	107 348
322121G361	Other sanitary paper stock, including sanitary napkin stock wadding, aseptic paper stock, reinforced paper stock, etc. 1,000 s tons..	13	N	273.9	264 603	15	N	283.0	260 479
322121G371	Wrapping tissue, including florist tissue stock, hosiery paper, interleaving, antitarnish, etc. 1,000 s tons..	8	N	S	116 987	13	N	117.5	134 891
322121G391	Other tissue paper stock, including waxing tissue stock, creped wadding for interior packaging (excluding sanitary and thin) 1,000 s tons..	9	N	120.1	129 906	10	N	51.6	53 376
322121GY	Tissue paper and other machine-creped paper, nsk	N	X	X	—	N	X	X	N
322121GYWV	Tissue paper and other machine-creped paper, nsk	N	X	X	—	N	X	X	45 547

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
322121	Paper (except newsprint)—Con.								
322121J	Sanitary napkins and tampons (made in paper mills)	N	X	X	D	N	X	X	N
322121J1	Sanitary napkins and tampons (made in paper mills)	N	X	X	D	N	X	X	N
322121J111	Sanitary napkins, including maternity pads (made in paper mills) \$	2	X	D	D	N	X	N	N
322121J121	Tampons (made in paper mills) \$	—	X	—	—	N	X	N	N
322121JY	Sanitary napkins and tampons (made in paper mills), nsk	N	X	X	—	N	X	X	N
322121JYV	Sanitary napkins and tampons (made in paper mills), nsk	N	X	X	—	N	X	X	N
322121L	Disposable diapers (usually containing pulp or cellulose fibers), and similar disposable products (made in paper mills)	N	X	X	1 707 020	N	X	X	N
322121L1	Disposable diapers (usually containing pulp or cellulose fibers), and similar disposable products (made in paper mills)	N	X	X	1 707 020	N	X	X	N
322121L111	Disposable diapers, except adult (usually containing pulp or cellulose fibers), including disposable training pants (made in paper mills) #	3	X	D	D	N	X	N	N
322121L121	Disposable adult diapers, usually containing pulp or cellulose fibers (made in paper mills) #	1	X	X	D	N	X	X	N
322121L131	Disposable incontinent pads and bedpads (made in paper mills) #	2	X	X	D	N	X	X	N
322121LY	Disposable diapers and similar disposable products (made in paper mills), nsk	N	X	X	—	N	X	X	N
322121LYV	Disposable diapers and similar disposable products (made in paper mills), nsk	N	X	X	—	N	X	X	N
322121N	Sanitary tissue paper products (made in paper mills)	N	X	X	9 293 076	N	X	X	N
322121N1	Facial tissues and handkerchiefs, including sputum wipes (made in paper mills)	N	X	X	795 176	N	X	X	N
322121N111	Facial tissues and handkerchiefs, including sputum wipes (made in paper mills) \$	9	X	258.0	795 176	N	X	N	N
322121N2	Paper table napkins, bulk and dispenser industrial and retail package (resale) types (made in paper mills) #	N	X	X	D	N	X	X	N
322121N221	Paper table napkins, industrial, regular type, single-ply, bulk (made in paper mills) #	5	X	D	D	N	X	N	N
322121N223	Paper table napkins, industrial, regular type, single-ply, dispenser (made in paper mills) #	3	X	D	D	N	X	N	N
322121N225	Paper table napkins, industrial (bulk and dispenser type), facial tissue type, two-ply or more (made in paper mills) #	2	X	D	D	N	X	N	N
322121N227	Paper table napkins, retail packages (resale), regular type, single-ply (made in paper mills) \$	10	X	P264.6	659 462	N	X	N	N
322121N229	Paper table napkins, retail packages (resale), facial tissue type, two-ply or more (made in paper mills) #	3	X	D	D	N	X	N	N
322121N3	Toilet tissue, rolls and ovals, retail packages (resale), facial tissue type, two-ply or more (made in paper mills)	N	X	X	1 282 722	N	X	X	N
322121N331	Toilet tissue, rolls and ovals, retail packages (resale), facial tissue type, two-ply or more (made in paper mills) \$	9	X	P644.7	1 282 722	N	X	N	N
322121N4	Toilet tissue, rolls and ovals, retail packages (resale), regular type, single-ply (made in paper mills) #	N	X	X	D	N	X	X	N
322121N433	Toilet tissue, rolls and ovals, retail packages (resale), regular type, single-ply (made in paper mills) #	9	X	D	D	N	X	N	N
322121N5	Toilet tissue, rolls and ovals, industrial, and interfolded and flat package type (made in paper mills) #	N	X	X	D	N	X	X	N
322121N535	Toilet tissue, rolls and ovals, industrial, facial tissue type, two-ply or more (made in paper mills) #	6	X	D	D	N	X	N	N
322121N541	Toilet tissue, rolls and ovals, industrial, regular type, single-ply (made in paper mills) #	7	X	D	D	N	X	N	N
322121N551	Toilet tissue, interfolded and flat package (made in paper mills) #	2	X	D	D	N	X	N	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
322121	Paper (except newsprint)—Con.								
322121N	Sanitary tissue paper products (made in paper mills)—Con.								
322121N6	Paper towels (rolled, folded, or interfolded), industrial (made in paper mills).....	N	X	X	791 194	N	X	X	N
322121N661	Paper towels (rolled, folded, or interfolded), industrial (made in paper mills) \$ 1,000 s tons..	6	X	579.5	791 194	N	X	N	N
322121N7	Paper towels (rolled, folded, or interfolded), retail packages (resale) (made in paper mills) #	N	X	X	D	N	X	X	N
322121N771	Paper towels (rolled, folded, or interfolded), retail packages (resale), single-ply (made in paper mills) #	6	X	D	D	N	X	N	N
322121N773	Paper towels (rolled, folded, or interfolded), retail packages (resale), two-ply or more (made in paper mills) \$ 1,000 s tons..	9	X	445.8	927 045	N	X	N	N
322121N8	Other sanitary tissue paper products (made in paper mills) #	N	X	X	D	N	X	X	N
322121N881	Paper wipers (windshield, industrial, and lithographic plate), except nonwoven (made in paper mills) #	2	X	D	D	N	X	N	N
322121N891	Other sanitary paper products, including absorbent pads, toilet seat covers, bibs, headrests, tray covers, etc. (made in paper mills) #	3	X	D	D	N	X	N	N
322121NY	Sanitary tissue paper products (made in paper mills), nsk	N	X	X	70 255	N	X	X	N
322121NYWV	Sanitary tissue paper products (made in paper mills), nsk	N	X	X	70 255	N	X	X	N
322121W	Paper (except newsprint) mill products, nsk, total	N	X	X	47 078	N	X	X	N
322121WY	Paper (except newsprint) mill products, nsk, total	N	X	X	47 078	N	X	X	N
322121WYWW	Paper (except newsprint) mill products, nsk, for nonadministrative-record establishments	N	X	X	47 078	N	X	X	N
322121WYWY	Paper (except newsprint) mill products, nsk, for administrative-record establishments	N	X	X	—	N	X	X	N
322122	Newsprint	N	X	X	5 045 995	N	X	X	N
3221221	Newsprint	N	X	X	3 712 495	N	X	X	2 924 869
32212211	Newsprint	N	X	X	3 712 495	N	X	X	N
3221221100	Newsprint 1,000 s tons..	21	X	7 146.9	3 712 495	20	X	7 217.4	2 924 869
3221223	Uncoated groundwood paper (containing more than 10 percent mechanical fiber)	N	X	X	1 333 500	N	X	X	972 107
32212231	Uncoated groundwood paper (containing more than 10 percent mechanical fiber)	N	X	X	1 333 500	N	X	X	N
3221223111	Uncoated groundwood publication and printing paper, including supercalendered	16	X	1 820.4	1 250 761	N	X	X	N
3221223121	Other converting and miscellaneous groundwood paper, including form bond, wallpaper base, and body stock for coating	7	X	111.4	82 739	6	X	98.8	78 129
3221223Y	Uncoated groundwood paper (containing more than 10 percent mechanical fiber), nsk	N	X	X	—	N	X	X	N
3221223YWV	Uncoated groundwood paper (containing more than 10 percent mechanical fiber), nsk	N	X	X	—	N	X	X	20 716
322122W	Newsprint mill products, nsk, total	N	X	X	—	N	X	X	N
322122WY	Newsprint mill products, nsk, total	N	X	X	—	N	X	X	N
322122WYWW	Newsprint mill products, nsk, for nonadministrative-record establishments	N	X	X	—	N	X	X	N
322122WYWY	Newsprint mill products, nsk, for administrative-record establishments	N	X	X	—	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
322130	Paperboard	N	X	X	18 681 404	N	X	X	16 372 973
3221301	Unbleached kraft packaging and industrial converting paperboard (80 percent or more virgin woodpulp)	N	X	X	7 443 912	N	X	X	7 438 633
32213011	Unbleached kraft linerboard	N	X	X	6 195 050	N	X	X	N
3221301111	Unbleached kraft linerboard, 1,000 s tons..	22	X	18 560.3	6 195 050	24	X	18 432.3	6 242 516
32213012	Other unbleached kraft packaging and industrial converting paperboard, including tube, can, and drum paperboard, corrugating medium, folding carton-type board, etc.	N	X	X	1 248 862	N	X	X	N
3221301221	Other unbleached kraft packaging and industrial converting paperboard, including tube, can, and drum paperboard, corrugating medium, folding carton-type board, etc., 1,000 s tons..	11	X	2 962.4	1 248 862	13	X	2 752.2	1 196 117
3221301Y	Unbleached kraft packaging and industrial converting paperboard (80 percent or more virgin woodpulp), nsk	N	X	X	—	N	X	X	N
3221301YWV	Unbleached kraft packaging and industrial converting paperboard (80 percent or more virgin woodpulp), nsk	N	X	X	—	N	X	X	—
3221303	Bleached packaging and industrial converting paperboard (80 percent or more virgin bleached woodpulp)	N	X	X	3 971 630	N	X	X	3 341 916
32213031	Bleached folding carton-type paperboard	N	X	X	1 848 375	N	X	X	N
3221303111	Bleached folding carton-type paperboard, 1,000 s tons..	11	X	2 585.4	1 848 375	12	X	2 153.5	1 557 757
32213032	Bleached milk carton board	N	X	X	923 553	N	X	X	N
3221303221	Bleached milk carton board, 1,000 s tons..	5	X	1 166.1	923 553	5	X	1 172.9	803 856
32213033	Other solid bleached paperboard, including linerboard, heavyweight cup and round nested food container board, plate, dish, and tray stock, and paperboard for moist, liquid, and oily foods	N	X	X	1 199 702	N	X	X	N
3221303331	Bleached linerboard, 1,000 s tons..	9	X	275.9	193 337	8	X	336.7	208 232
3221303341	Bleached heavyweight cup and round nested food container paperboard, 1,000 s tons..	10	X	856.8	564 273	8	X	616.0	398 396
3221303351	Bleached plate, dish, and tray paperboard stock, 1,000 s tons..	9	X	362.5	211 968	10	X	378.3	199 136
3221303361	Other solid bleached paperboard, including paperboard for moist, liquid, and oily foods, 1,000 s tons..	6	X	376.7	230 124	6	X	295.9	174 539
3221303Y	Bleached packaging and industrial converting paperboard (80 percent or more virgin bleached woodpulp), nsk	N	X	X	—	N	X	X	N
3221303YWV	Bleached packaging and industrial converting paperboard (80 percent or more virgin bleached woodpulp), nsk	N	X	X	—	N	X	X	—
3221305	Semichemical paperboard, including corrugating medium (75 percent or more virgin woodpulp)	N	X	X	815 423	N	X	X	1 216 603
32213051	Semichemical paperboard, including corrugating medium (75 percent or more virgin woodpulp)	N	X	X	815 423	N	X	X	N
3221305100	Semichemical paperboard, including corrugating medium (75 percent or more virgin woodpulp), 1,000 s tons..	9	X	P3 475.7	815 423	13	X	3 939.1	1 216 603
3221307	Recycled paperboard	N	X	X	6 362 406	N	X	X	4 261 131
32213071	Recycled corrugating medium	N	X	X	1 405 449	N	X	X	N
3221307111	Recycled corrugating medium, 1,000 s tons..	34	X	5 722.1	1 405 449	22	X	3 549.2	983 741
32213072	Recycled linerboard and container chip and filler board	N	X	X	1 854 183	N	X	X	N
3221307221	Recycled linerboard, 1,000 s tons..	25	X	5 433.3	1 800 003	13	X	1 679.7	603 995
3221307231	Recycled container chip and filler board, 1,000 s tons..	5	X	S	54 180	11	X	544.7	182 464
32213073	Recycled clay-coated folding carton board	N	X	X	1 046 000	N	X	X	N
3221307341	Recycled clay-coated folding carton board, 1,000 s tons..	11	X	2 219.4	1 046 000	11	X	1 954.9	932 498
32213074	Recycled unlined folding carton chipboard, and lined, including kraft and white	N	X	X	478 890	N	X	X	N
3221307451	Recycled unlined folding carton chipboard, 1,000 s tons..	15	X	788.5	292 992	16	X	440.4	147 027
3221307461	Recycled lined folding carton board, including kraft and white, 1,000 s tons..	13	X	434.6	185 898	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
322130	Paperboard—Con.								
3221307	Recycled paperboard—Con.								
32213075	Other recycled paperboard, including setup, tube, can, and drum stock, gypsum linerboard, panelboard and wallboard stock, and other special combination packaging and converting paperboard	N	X	X	1 567 273	N	X	X	N
3221307571	Recycled setup board	6	X	175.5	77 582	9	X	121.2	44 678
3221307575	Recycled tube, can, and drum paperboard stock	14	X	1 754.4	699 169	19	X	1 316.5	421 595
3221307581	Recycled gypsum linerboard	6	X	870.5	390 640	9	X	543.3	161 022
3221307591	Other recycled paperboard, including panelboard and wallboard stock and other special combination packaging and industrial converting paperboard	19	X	1 030.1	399 882	25	X	P1 166.6	457 568
3221307Y	Recycled paperboard, nsk	N	X	X	10 611	N	X	X	N
3221307YVV	Recycled paperboard, nsk	N	X	X	10 611	N	X	X	235 963
3221309	Wet machine board, including binders' board and shoe board	N	X	X	86 373	N	X	X	81 384
32213091	Wet machine board, including binders' board and shoe board	N	X	X	86 373	N	X	X	N
3221309100	Wet machine board, including binders' board and shoe board	7	X	S	86 373	7	X	127.9	81 384
322130W	Paperboard mill products, nsk, total	N	X	X	D	N	X	X	33 306
322130WY	Paperboard mill products, nsk, total	N	X	X	1 660	N	X	X	N
322130WYWW	Paperboard mill products, nsk, for nonadministrative-record establishments	N	X	X	1 660	N	X	X	33 306
322130WYWY	Paperboard mill products, nsk, for administrative-record establishments	N	X	X	—	N	X	X	—
322211	Corrugated and solid fiber boxes	N	X	X	24 075 306	N	X	X	19 138 492
3222110	Corrugated and solid fiber boxes, including pallets	N	X	X	24 075 306	N	X	X	19 138 492
32221101	Corrugated shipping containers for food and beverages and carryout boxes for retail food	N	X	X	5 503 790	N	X	X	N
3222110111	Corrugated shipping containers for food and beverages	207	X	P119 535.0	5 100 492	185	X	97 519.4	4 219 681
3222110114	Corrugated carryout boxes for retail food	63	X	8 721.9	403 298	51	X	P4 114.5	172 467
32221102	Corrugated shipping containers for paper and allied products	N	X	X	2 293 320	N	X	X	N
3222110221	Corrugated shipping containers for paper and allied products	209	X	P51 061.8	2 293 320	214	X	P42 612.9	1 747 821
32221103	Corrugated shipping containers for metal and electrical machinery, equipment, supplies, products, and appliances	N	X	X	2 261 142	N	X	X	N
3222110341	Corrugated shipping containers for metal products, machinery, equipment, and supplies, except electrical	242	X	919 292.5	1 297 515	234	X	914 734.1	834 085
3222110345	Corrugated shipping containers for electrical machinery, equipment, supplies, and appliances	194	X	914 190.0	963 627	197	X	P12 494.3	680 555
32221104	Corrugated shipping containers for all other end uses nec	N	X	X	6 655 483	N	X	X	N
3222110431	Corrugated shipping containers for glass, clay, and stone products	115	X	12 196.2	565 839	124	X	P14 213.2	586 841
3222110433	Corrugated shipping containers for chemicals and drugs, including paints, varnishes, cosmetics, and soaps	168	X	917 705.3	923 363	169	X	P16 219.4	775 624
3222110435	Corrugated shipping containers for lumber and wood products, including furniture	164	X	911 913.9	679 856	154	X	P9 876.3	522 166
3222110437	Corrugated shipping containers for all other end uses not specified (leather, rubber, plastics, petroleum, etc.) #	260	X	X	4 486 425	337	X	X	4 036 372
32221105	Corrugated paperboard in sheets and rolls, lined and unlined	N	X	X	2 281 883	N	X	X	N
3222110551	Corrugated paperboard in sheets and rolls, lined and unlined	97	X	X	2 281 883	113	X	X	1 482 108
32221106	Other corrugated and solid fiber products, including containers, pallets, pads, partitions, point-of-purchase displays, etc.	N	X	X	2 361 850	N	X	X	N
3222110661	Corrugated solid fiber containers	51	X	X	429 938	41	X	X	435 652
3222110665	Corrugated and solid fiber pallets, pads, and partitions	136	X	X	597 084	121	X	X	488 405
3222110691	Other corrugated and solid fiber products, including point-of-purchase displays, etc.	184	X	X	1 334 828	163	X	X	1 370 009

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
322211	Corrugated and solid fiber boxes—Con.								
3222110	Corrugated and solid fiber boxes, including pallets—Con.								
3222110Y	Corrugated and solid fiber boxes, nsk, total	N	X	X	2 717 838	N	X	X	N
3222110YWW	Corrugated and solid fiber boxes, nsk, for nonadministrative-record establishments	N	X	X	2 194 725	N	X	X	1 702 476
3222110YWY	Corrugated and solid fiber boxes, nsk, for administrative-record establishments	N	X	X	523 113	N	X	X	84 230
322212	Folding paperboard boxes	N	X	X	8 564 381	N	X	X	7 731 347
3222120	Folding paperboard boxes, packaging, and packaging components	N	X	X	8 564 381	N	X	X	7 731 347
32221201	Folding paperboard boxes for dry food and produce, including pet and animal food	N	X	X	869 959	N	X	X	N
3222120111	Folding paperboard boxes for dry food and produce, including pet and animal food, 1,000 s tons..	74	X	¶683.3	869 959	68	X	¶612.3	815 630
32221202	Folding paperboard boxes for bottled and canned beverages, including carriers for alcoholic and nonalcoholic beverages	N	X	X	888 345	N	X	X	N
3222120221	Folding paperboard boxes for bottled and canned beverages, including carriers for alcoholic and nonalcoholic beverages, 1,000 s tons..	34	X	¶762.7	888 345	33	X	595.2	789 294
32221203	Folding paperboard boxes for cosmetics and medicinal products	N	X	X	752 134	N	X	X	N
3222120331	Folding paperboard boxes for cosmetics	73	X	X	298 555	N	X	X	N
3222120335	Folding paperboard boxes for medicinal products	85	X	X	453 579	N	X	X	N
32221204	Folding paperboard boxes for paper goods or products, including book mailers	N	X	X	383 201	N	X	X	N
3222120441	Folding paperboard boxes for paper goods or products, including book mailers, 1,000 s tons..	83	X	¶246.0	383 201	103	X	¶356.5	488 009
32221205	Folding paperboard boxes for fresh bakery products, butter, and ice cream and food pails	N	X	X	537 496	N	X	X	N
3222120551	Folding paperboard boxes for fresh bakery products, 1,000 s tons..	57	X	S	254 949	56	X	S	205 679
3222120555	Folding paperboard boxes for butter and ice cream and food pails, 1,000 s tons..	38	X	¶174.0	282 547	39	X	¶159.6	298 998
32221206	Folding paperboard boxes, packaging components, for all other end uses	N	X	X	4 105 083	N	X	X	N
3222120661	Folding paperboard boxes for biscuits and crackers, 1,000 s tons..	39	X	¶185.7	230 122	42	X	¶140.1	172 139
3222120663	Folding paperboard boxes for candy	73	X	X	230 058	74	X	X	204 303
3222120665	Folding paperboard boxes for processed meats, margarine, lard, and shortening, 1,000 s tons..	30	X	¶84.8	146 010	40	X	S	130 378
3222120667	Folding paperboard boxes for frozen foods, 1,000 s tons..	53	X	¶328.0	426 159	52	X	¶224.8	388 409
3222120671	Folding paperboard carryout boxes and trays for retail food, 1,000 s tons..	39	X	¶254.2	395 806	39	X	¶280.9	355 394
3222120673	Folding paperboard boxes for sporting goods, toys, and photographic equipment, 1,000 s tons..	58	X	S	165 488	N	X	N	N
3222120675	Folding paperboard boxes for soaps and detergents, 1,000 s tons..	40	X	¶220.6	308 885	41	X	¶228.5	338 810
3222120677	Folding paperboard boxes for tobacco, 1,000 s tons..	18	X	196.3	365 543	28	X	S	365 556
3222120681	Folding paperboard boxes for hardware and household supplies	117	X	X	523 133	116	X	X	426 306
3222120683	Paperboard backs for blister and skin packaging	37	X	X	160 350	37	X	X	76 991
3222120691	Folding paperboard boxes, packaging, and packaging components for all other end uses, n.e.c.	187	X	X	1 153 529	N	X	X	N
3222120Y	Folding paperboard boxes, nsk, total	N	X	X	1 028 163	N	X	X	N
3222120YWW	Folding paperboard boxes, nsk, for nonadministrative-record establishments	N	X	X	886 199	N	X	X	798 507
3222120YWY	Folding paperboard boxes, nsk, for administrative-record establishments	N	X	X	141 964	N	X	X	30 688

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
322213	Setup paperboard boxes	N	X	X	635 310	N	X	X	516 224
3222130	Setup (rigid) paperboard boxes	N	X	X	635 310	N	X	X	516 224
32221301	Setup (rigid) paperboard boxes, classified by end use	N	X	X	559 068	N	X	X	N
3222130111	Setup (rigid) paperboard boxes for textiles, wearing apparel, and hosiery	47	X	X	62 446	30	X	X	66 705
3222130121	Setup (rigid) paperboard boxes for department stores and other retail stores	48	X	X	108 368	45	X	X	74 163
3222130131	Setup (rigid) paperboard boxes for confections	42	X	X	64 143	40	X	X	53 180
3222130141	Setup (rigid) paperboard boxes for cosmetics, including soap	27	X	X	67 553	19	X	X	33 283
3222130191	Setup (rigid) paperboard boxes for all other end uses nec, (including stationery and office supplies, and hardware and household supplies)	110	X	X	256 558	N	X	X	N
3222130Y	Setup paperboard boxes, nsk, total	N	X	X	76 242	N	X	X	N
3222130YWW	Setup paperboard boxes, nsk, for nonadministrative-record establishments	N	X	X	58 250	N	X	X	84 275
3222130YWY	Setup paperboard boxes, nsk, for administrative-record establishments	N	X	X	17 992	N	X	X	9 670
322214	Fiber cans, tubes, drums, and similar products	N	X	X	2 144 548	N	X	X	1 821 527
3222141	Paperboard fiber drums with ends of any material	N	X	X	374 327	N	X	X	373 934
32221411	Paperboard fiber drums with ends of any material	N	X	X	374 327	N	X	X	N
3222141100	Paperboard fiber drums with ends of any material	14	X	X	374 327	13	X	X	373 934
3222143	Fiber cans, tubes, and similar fiber products	N	X	X	1 657 352	N	X	X	1 290 836
32221431	Fiber cans, all fiber and composite	N	X	X	512 859	N	X	X	N
3222143111	Fiber cans, all fiber and composite	16	X	X	512 859	27	X	X	502 513
32221432	Fiber cores and tubes	N	X	X	1 021 670	N	X	X	N
3222143221	Fiber cores and tubes, 1,000 s tons..	54	X	212.6	1 021 670	58	X	799.9	576 893
32221433	Paperboard cones, reels, spools, bobbins, blocks, and all vulcanized fiber products	N	X	X	87 706	N	X	X	N
3222143331	Paperboard cones, reels, spools, bobbins, and blocks	11	X	X	D	15	X	X	65 265
3222143391	All vulcanized fiber products (boxes, cans, tubes, drums, etc.)	5	X	X	D	12	X	X	68 939
3222143Y	Fiber cans, tubes, and similar fiber products, nsk	N	X	X	35 117	N	X	X	N
3222143YWW	Fiber cans, tubes, and similar fiber products, nsk	N	X	X	35 117	N	X	X	77 226
322214W	Fiber cans, tubes, drums, and similar products, nsk, total	N	X	X	112 869	N	X	X	156 757
322214WY	Fiber cans, tubes, drums, and similar products, nsk, total	N	X	X	112 869	N	X	X	N
322214WYWW	Fiber cans, tubes, drums, and similar products, nsk, for nonadministrative-record establishments	N	X	X	18 737	N	X	X	139 722
322214WYWY	Fiber cans, tubes, drums, and similar products, nsk, for administrative-record establishments	N	X	X	94 132	N	X	X	17 035
322215	Nonfolding sanitary food containers	N	X	X	2 482 816	N	X	X	2 461 334
3222151	Milk and milk-type paperboard cartons, including juice, beverage, and other products	N	X	X	672 333	N	X	X	677 955
32221511	Milk and milk-type paperboard cartons, including juice, beverage, and other products	N	X	X	672 333	N	X	X	N
3222151100	Milk and milk-type paperboard cartons, including juice, beverage, and other products, 1,000 s tons..	7	X	486.1	672 333	5	X	475.8	677 955

Table 1. **Products Statistics: 1997 and 1992—Con.**

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
322215	Nonfolding sanitary food containers—Con.								
3222153	Cups and liquid-tight paper and paperboard containers	N	X	X	1 132 893	N	X	X	1 113 479
32221531	Cups and liquid-tight paper and paperboard containers	N	X	X	1 112 955	N	X	X	N
3222153111	Liquid-tight and round-nested paperboard food containers, including lids and tops,	5	X	S	217 801	7	X	54.9	175 000
3222153121	Paperboard drinking cups and portion serving cups	20	X	S	895 154	17	X	690.7	929 879
3222153Y	Cups and liquid-tight paper and paperboard containers, nsk	N	X	X	19 938	N	X	X	N
3222153YWV	Cups and liquid-tight paper and paperboard containers, nsk	N	X	X	19 938	N	X	X	8 600
3222155	Other sanitary paper and paperboard food containers, boards, and trays, nec, except folding	N	X	X	651 125	N	X	X	617 720
32221551	Other sanitary paper and paperboard food containers, boards, and trays, nec, except folding	N	X	X	635 683	N	X	X	N
3222155111	Pressed paperboard plates, dishes, spoons, and similar products	16	X	S	441 475	22	X	298.7	465 059
3222155121	Other sanitary paper and paperboard items, including tablecloths, soda straws, and ovenable paperboard food trays	16	X	S	194 208	N	X	N	N
3222155Y	Other sanitary paper and paperboard food containers, boards, and trays, nec, except folding, nsk	N	X	X	15 442	N	X	X	N
3222155YWV	Other sanitary paper and paperboard food containers, boards, and trays, nec, except folding, nsk	N	X	X	15 442	N	X	X	18 753
322215W	Nonfolding sanitary food containers, nsk, total	N	X	X	26 465	N	X	X	52 180
322215WY	Nonfolding sanitary food containers, nsk, total	N	X	X	26 465	N	X	X	N
322215WYWV	Nonfolding sanitary food containers, nsk, for nonadministrative-record establishments	N	X	X	11 248	N	X	X	47 615
322215WYWY	Nonfolding sanitary food containers, nsk, for administrative-record establishments	N	X	X	15 217	N	X	X	4 565
322221	Coated and laminated packaging paper and plastics film	N	X	X	1 473 582	N	X	X	N
3222211	Single-web paper, coated rolls and sheets, including waxed, for flexible packaging uses	N	X	X	981 949	N	X	X	820 481
32222111	Single-web paper, coated rolls and sheets, including waxed, for flexible packaging uses	N	X	X	968 073	N	X	X	N
3222211111	Plastics-coated single-web paper, rolls and sheets, for flexible packaging uses	32	X	P193.3	373 263	23	X	177.4	336 022
3222211121	Coated single-web paper (other than plastics-coated), rolls and sheets, including waxed, for flexible packaging uses	41	X	P231.7	594 810	44	X	P189.3	460 932
3222211Y	Single-web paper, coated rolls and sheets, including waxed, for flexible packaging uses, nsk	N	X	X	13 876	N	X	X	N
3222211YWV	Single-web paper, coated rolls and sheets, including waxed, for flexible packaging uses, nsk	N	X	X	13 876	N	X	X	23 527
3222213	Multiweb laminated rolls and sheets, except foil and film-film, for flexible packaging uses	N	X	X	461 466	N	X	X	N
32222131	Paper-paper multiweb laminated rolls and sheets, for flexible packaging uses	N	X	X	267 623	N	X	X	N
3222213111	Paper-paper multiweb laminated rolls and sheets, for flexible packaging uses	18	X	160.3	267 623	N	X	N	N
32222132	Film-paper multiweb laminated rolls and sheets, for flexible packaging uses	N	X	X	155 937	N	X	X	N
3222213221	Film-paper multiweb laminated rolls and sheets, for flexible packaging uses	16	X	P37.3	155 937	17	X	S	130 360
3222213Y	Multiweb laminated rolls and sheets, except foil and film-film, for flexible packaging uses, nsk	N	X	X	37 906	N	X	X	N
3222213YWV	Multiweb laminated rolls and sheets, except foil and film-film, for flexible packaging uses, nsk	N	X	X	37 906	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
322221	Coated and laminated packaging paper and plastics film—Con.								
322221W	Coated and laminated packaging paper and plastics film, nsk, total	N	X	X	30 167	N	X	X	N
322221WY	Coated and laminated package paper and plastics film, nsk, total	N	X	X	30 167	N	X	X	N
322221WYWW	Coated and laminated package paper and plastics film, nsk, for nonadministrative-record establishments	N	X	X	3 874	N	X	X	N
322221WYWY	Coated and laminated package paper and plastics film, nsk, for administrative-record establishments	N	X	X	26 293	N	X	X	N
322222	Coated and laminated paper	N	X	X	11 192 036	N	X	X	N
3222221	Printing paper, coated at establishments other than where paper was produced	N	X	X	498 250	N	X	X	244 777
32222211	Printing paper, coated at establishments other than where paper was produced	N	X	X	449 205	N	X	X	N
3222221111	Printing paper, coated one side (for labels and similar uses), coated at establishments other than where paper was produced	32	X	X	344 298	23	X	X	99 573
3222221121	Printing paper, coated two sides (for printing of magazines, directories, catalogs, and similar uses), coated at establishments other than where paper was produced	12	X	X	104 907	16	X	X	134 864
3222221Y	Printing paper, coated at establishments other than where paper was produced, nsk	N	X	X	49 045	N	X	X	N
3222221YWV	Printing paper, coated at establishments other than where paper was produced, nsk	N	X	X	49 045	N	X	X	10 340
3222223	Gummed products	N	X	X	249 377	N	X	X	242 619
32222231	Gummed products	N	X	X	221 441	N	X	X	N
3222223111	Gummed sealing tape, paper base and reinforced base, used for sealing and securing	8	X	X	175 301	10	X	X	156 364
3222223121	Other gummed paper products, including flat gummed papers, unprinted stock labels, corrugators' kraft tapes, etc.	5	X	X	46 140	10	X	X	61 827
3222223Y	Gummed products, nsk	N	X	X	27 936	N	X	X	N
3222223YWV	Gummed products, nsk	N	X	X	27 936	N	X	X	24 428
3222225	Pressure-sensitive products	N	X	X	7 118 564	N	X	X	4 784 013
32222251	Pressure-sensitive single-faced tape, paper backing, excluding electrical	N	X	X	783 259	N	X	X	N
3222225111	Pressure-sensitive single-faced tape, paper backing, excluding electrical	34	X	X	783 259	24	X	X	544 170
32222252	Pressure-sensitive single-faced tape, film backing, excluding electrical	N	X	X	1 423 396	N	X	X	N
3222225221	Pressure-sensitive single-faced tape, film backing, excluding electrical	27	X	X	1 423 396	28	X	X	1 192 056
32222253	All other pressure-sensitive tape, excluding surgical and rubber-backed	N	X	X	1 154 129	N	X	X	N
3222225331	Pressure-sensitive single-faced tape, cloth backing, excluding surgical and electrical	16	X	X	174 172	12	X	X	127 703
3222225341	Pressure-sensitive single-faced tape, electrical, all backings (except rubber)	13	X	X	194 327	12	X	X	202 755
3222225351	Pressure-sensitive single-faced tape, reinforced and laminated, all backings, except surgical and rubber-backed	17	X	X	261 895	12	X	X	120 013
3222225361	Pressure-sensitive single-faced tape, other, excluding surgical and rubber-backed	21	X	X	157 238	12	X	X	107 463
3222225371	Pressure-sensitive double-faced tape, excluding surgical and rubber-backed	18	X	X	366 497	12	X	X	228 372
32222254	Pressure-sensitive base stock for labels	N	X	X	2 178 932	N	X	X	N
3222225475	Pressure-sensitive base stock for labels	53	X	X	2 178 932	42	X	X	1 219 670
32222255	Other pressure-sensitive products, nec, unprinted	N	X	X	1 202 105	N	X	X	N
3222225581	Pressure-sensitive base stock for other than labels	16	X	X	421 518	10	X	X	98 015
3222225585	Pressure-sensitive labels, unprinted	25	X	X	290 782	28	X	X	250 313
3222225591	Other pressure-sensitive products, nec, unprinted	22	X	X	489 805	21	X	X	285 078

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
322222	Coated and laminated paper—Con.								
3222225	Pressure-sensitive products—Con.								
3222225Y	Pressure-sensitive products, nsk	N	X	X	376 743	N	X	X	N
3222225YVV	Pressure-sensitive products, nsk	N	X	X	376 743	N	X	X	408 405
3222226	Wallcoverings	N	X	X	456 830	N	X	X	460 874
32222261	Wallcoverings	N	X	X	450 713	N	X	X	N
3222226111	Wallcoverings, paper with less than 2 mils of coating	15	X	X	93 158	16	X	X	143 814
3222226121	Wallcoverings, paper-coated or laminated with 2 mils or more of plastics, including prepasted and nonpasted	11	X	X	114 237	N	X	X	N
3222226131	Wallcoverings, fabric-backed, coated or laminated, woven	10	X	X	169 319	11	X	X	131 736
3222226141	Wallcoverings, fabric-backed, coated or laminated, nonwoven	8	X	X	64 531	9	X	X	92 366
3222226191	Other wallcoverings, including scenic and panel decorations (excluding rigid panels or tile form wallcoverings and wallcoverings that do not contain some paper or fabrics)	7	X	X	9 468	6	X	X	3 775
3222226Y	Wallcoverings, nsk	N	X	X	6 117	N	X	X	N
3222226YVV	Wallcoverings, nsk	N	X	X	6 117	N	X	X	19 243
3222227	Gift wrap paper	N	X	X	412 009	N	X	X	602 185
32222271	Gift wrap paper	N	X	X	412 009	N	X	X	N
3222227111	Gift wrap paper, retail counter items, all types and weights, in rolls	16	X	X	330 524	9	X	X	252 663
3222227121	Gift wrap paper, retail counter items, all types and weights, in folds	8	X	X	36 078	8	X	X	183 459
3222227191	Other paper gift wrapping (including counter rolls and flat sheets for stores' own use, and paper gift wrap materials shipped to other manufacturers for further processing)	11	X	X	45 407	8	X	X	153 461
3222227Y	Gift wrap paper, nsk	N	X	X	—	N	X	X	N
3222227YVV	Gift wrap paper, nsk	N	X	X	—	N	X	X	12 602
3222229	Other coated and processed papers, nec, except for packaging uses	N	X	X	2 025 694	N	X	X	1 530 036
32222291	Other coated and processed papers, except for packaging uses	N	X	X	1 902 205	N	X	X	N
3222229111	Processed papers (embossed, leatherette, etc.), except for packaging uses	11	X	X	211 629	9	X	X	55 279
3222229121	Waxed and wax-laminated paper for nonpackaging uses, including household	12	X	X	78 012	12	X	X	122 845
3222229131	Carbonless paper, coated at establishments other than where paper was produced	6	X	X	D	6	X	X	N
3222229141	Plastics-coated paper, except for packaging uses	18	X	X	72 551	14	X	X	70 466
3222229151	Other coated and processed papers, except for packaging uses, including oiled, soap impregnated, treated, etc., but excluding sensitized paper	46	X	X	D	54	X	X	N
3222229Y	Other coated and processed papers, except for packaging uses, nsk	N	X	X	123 489	N	X	X	N
3222229YVV	Other coated and processed papers, except for packaging uses, nsk	N	X	X	123 489	N	X	X	83 359
322222W	Coated and laminated paper, nsk, total	N	X	X	431 312	N	X	X	N
322222WY	Coated and laminated paper, nsk, total	N	X	X	431 312	N	X	X	N
322222WYVV	Coated and laminated paper, nsk, for nonadministrative-record establishments	N	X	X	162 633	N	X	X	N
322222WYWY	Coated and laminated paper, nsk, for administrative-record establishments	N	X	X	268 679	N	X	X	N
322223	Plastics, foil, and coated paper bags	N	X	X	561 838	N	X	X	N
3222231	Specialty bags, pouches, and liners, coated single-web paper	N	X	X	143 081	N	X	X	226 235
32222311	Specialty bags, pouches, and liners, coated single-web paper	N	X	X	143 081	N	X	X	N
3222231100	Specialty bags, pouches, and liners, coated single-web paper 1,000 s tons..	30	X	975.1	143 081	39	X	S	226 235

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
322223	Plastics, foil, and coated paper bags—Con.								
3222233	Specialty bags, pouches, and liners, multiweb laminations and foil, except film-film	N	X	X	399 077	N	X	X	N
32222331	Specialty bags, pouches, and liners, multiweb laminations and foil, except film-film	N	X	X	399 077	N	X	X	N
3222233111	Paper-film multiweb specialty bags, pouches, and liners	17	X	S	146 491	N	X	N	N
3222233121	Foil specialty bags, pouches, and liners, and all paper or film combinations with foil	18	X	S	69 931	16	X	P18.2	53 443
3222233131	Other multiweb specialty bags, pouches, and liners, except film-film	17	X	S	182 655	N	X	N	N
3222233Y	Specialty bags, pouches, and liners, multiweb laminations and foil, except film-film, nsk	N	X	X	—	N	X	X	N
3222233YWV	Specialty bags, pouches, and liners, multiweb laminations and foil, except film-film, nsk	N	X	X	—	N	X	X	N
322223W	Plastics, foil, and coated paper bags, nsk, total	N	X	X	19 680	N	X	X	N
322223WY	Plastics, foil, and coated paper bags, nsk, total	N	X	X	19 680	N	X	X	N
322223WYWW	Plastics, foil, and coated paper bags, nsk, for nonadministrative-record establishments	N	X	X	3 827	N	X	X	N
322223WYWY	Plastics, foil, and coated paper bags, nsk, for administrative-record establishments	N	X	X	15 853	N	X	X	N
322224	Uncoated paper and multiwall bags	N	X	X	2 594 761	N	X	X	2 624 812
3222241	Uncoated single-web paper grocers' bags and sacks and variety and shopping bags	N	X	X	1 010 846	N	X	X	1 128 288
32222411	Uncoated paper grocers' bags and sacks	N	X	X	552 393	N	X	X	N
3222241111	Uncoated paper grocers' bags and sacks	14	X	681.0	552 393	19	X	P1 143.2	767 076
32222412	Uncoated paper variety bags and pouches (merchandise) and shopping bags	N	X	X	197 415	N	X	X	N
3222241221	Uncoated paper variety bags and pouches (merchandise)	14	X	P56.9	94 176	18	X	P71.2	89 560
3222241231	Uncoated paper shopping bags	7	X	P45.3	103 239	8	X	S	110 096
32222413	Other uncoated paper bags and pouches, nec, including specialty bags, mothproof bags, etc.	N	X	X	210 957	N	X	X	N
3222241341	Other uncoated paper bags and pouches, nec, including specialty bags, mothproof bags, etc.	23	X	71.2	210 957	24	X	S	139 785
3222241Y	Uncoated paper grocers' bags and sacks and variety and shopping bags, nsk	N	X	X	50 081	N	X	X	N
3222241YWV	Uncoated paper grocers' bags and sacks and variety and shopping bags, nsk	N	X	X	50 081	N	X	X	21 771
3222243	Shipping sacks and multiwall bags, all materials except textiles	N	X	X	1 538 505	N	X	X	1 464 521
32222431	Single and double wall shipping sacks and bags, all materials except textiles	N	X	X	211 834	N	X	X	N
3222243111	Single and double wall shipping sacks and bags, all materials except textiles	36	X	¶166.7	211 834	28	X	¶192.5	238 211
32222432	Multiwall (three-ply or more) shipping sacks and bags, all materials except textiles	N	X	X	1 279 457	N	X	X	N
3222243221	Multiwall (three-ply or more) shipping sacks and bags, all materials except textiles	28	X	864.1	1 279 457	28	X	1 047.7	1 192 213
3222243Y	Shipping sacks and multiwall bags, all materials except textiles, nsk	N	X	X	47 214	N	X	X	N
3222243YWV	Shipping sacks and multiwall bags, all materials except textiles, nsk	N	X	X	47 214	N	X	X	34 097
322224W	Uncoated paper and multiwall bags, nsk, total	N	X	X	45 410	N	X	X	32 003
322224WY	Uncoated paper and multiwall bags, nsk, total	N	X	X	45 410	N	X	X	N
322224WYWW	Uncoated paper and multiwall bags, nsk, for nonadministrative-record establishments	N	X	X	23 077	N	X	X	27 599
322224WYWY	Uncoated paper and multiwall bags, nsk, for administrative-record establishments	N	X	X	22 333	N	X	X	4 404

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322225	Laminated aluminum foil for flexible packaging uses	N	X	X	1 411 708	N	X	X	N
3222250	Laminated aluminum foil rolls and sheets for flexible packaging uses	N	X	X	1 411 708	N	X	X	N
32222501	Laminated aluminum film-foil (without paper) rolls and sheets for flexible packaging uses	N	X	X	444 679	N	X	X	N
3222250101	Laminated aluminum film-foil (without paper) rolls and sheets for flexible packaging uses	26	X	S	444 679	33	X	P183.2	451 426
32222502	Extrusion laminated aluminum foil-paper combination rolls and sheets for flexible packaging uses	N	X	X	226 872	N	X	X	N
3222250206	Extrusion laminated aluminum foil-paper combination rolls and sheets for flexible packaging uses	21	X	94.9	226 872	20	X	S	272 141
32222503	Adhesive or wax laminated aluminum foil-paper combination rolls and sheets for flexible packaging uses	N	X	X	368 136	N	X	X	N
3222250311	Adhesive or wax laminated aluminum foil-paper combination rolls and sheets for flexible packaging uses	19	X	P184.1	368 136	24	X	P214.4	368 879
32222504	Other laminated aluminum foils and gift wrap	N	X	X	345 937	N	X	X	N
3222250416	Laminated aluminum foil-film-paper combination rolls and sheets for flexible packaging uses	28	X	X	340 073	21	X	X	287 362
3222250421	Laminated aluminum foil gift wrap	4	X	X	5 864	5	X	X	19 195
3222250Y	Laminated aluminum foil rolls and sheets for flexible packaging uses, nsk, total	N	X	X	26 084	N	X	X	N
3222250YWW	Laminated aluminum foil rolls and sheets for flexible packaging uses, nsk, for nonadministrative-record establishments	N	X	X	23 723	N	X	X	N
3222250YWY	Laminated aluminum foil rolls and sheets for flexible packaging uses, nsk, for administrative-record establishments	N	X	X	2 361	N	X	X	N
322226	Surface-coated paperboard	N	X	X	1 138 806	N	X	X	N
3222260	Pasted, lined, laminated, or surface-coated paperboard	N	X	X	1 138 806	N	X	X	N
32222601	Pasted, lined, laminated, or surface-coated paperboard	N	X	X	1 138 277	N	X	X	N
3222260100	Pasted, lined, laminated, or surface-coated paperboard	61	X	1 428.4	1 138 277	49	X	P912.1	742 707
3222260Y	Pasted, lined, laminated, or surface-coated paperboard, nsk, total	N	X	X	529	N	X	X	N
3222260YWW	Pasted, lined, laminated, or surface-coated paperboard, nsk, for nonadministrative-record establishments	N	X	X	529	N	X	X	N
3222260YWY	Pasted, lined, laminated, or surface-coated paperboard, nsk, for administrative-record establishments	N	X	X	—	N	X	X	N
322231	Die-cut paper and paperboard office supplies	N	X	X	2 287 708	N	X	X	N
3222311	Die-cut paper and paperboard office supplies	N	X	X	1 192 411	N	X	X	903 770
32223111	Hanging and expandable file folders, all types and materials	N	X	X	374 363	N	X	X	N
3222311111	Hanging file folders, all types and materials	23	X	S	241 406	22	X	P1 019.7	170 934
3222311121	Expanding file folders (including wallets), all types and materials	17	X	S	132 957	18	X	P102.2	95 045
32223112	Other file folders (including file jackets and file pockets), all types and materials	N	X	X	395 200	N	X	X	N
3222311231	Other file folders (including file jackets and file pockets), all types and materials	41	X	S	395 200	48	X	P3 594.5	354 100
32223113	Other die-cut paper and paperboard office supplies, including index, guide, and tabulating cards, presentation and report covers, etc.	N	X	X	306 698	N	X	X	N
3222311391	Other die-cut paper and paperboard office supplies, including index, guide, and tabulating cards (including guide cards for file folders), presentation and report covers (except looseleaf), etc.	78	X	6 024.0	306 698	N	X	N	N
3222311Y	Die-cut paper and paperboard office supplies, nsk.	N	X	X	116 150	N	X	X	N
3222311YWW	Die-cut paper and paperboard office supplies, nsk.	N	X	X	116 150	N	X	X	44 345

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NAICS product code	Product	1997				1992			
		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
322231	Die-cut paper and paperboard office supplies—Con.								
3222313	Paper supplies for business machines and other miscellaneous unprinted paper office supplies, nec	N	X	X	853 149	N	X	X	422 895
32223131	Paper supplies for business machines and other miscellaneous unprinted paper office supplies, nec	N	X	X	786 491	N	X	X	N
3222313111	Paper rolls for adding and other business machines, except rolls for facsimile and photocopy machines	21	X	X	233 958	18	X	X	182 361
3222313191	Other unprinted paper supplies, including photocopy, laser, safety, facsimile, teletype, etc. (excluding sensitized paper)	23	X	X	552 533	17	X	X	161 405
3222313Y	Paper supplies for business machines and other miscellaneous unprinted paper office supplies, nec., nsk	N	X	X	66 658	N	X	X	N
3222313YVV	Paper supplies for business machines and other miscellaneous unprinted paper office supplies, nec, nsk	N	X	X	66 658	N	X	X	79 129
322231W	Die-cut paper and paperboard office supplies, nsk, total	N	X	X	242 148	N	X	X	N
322231WY	Die-cut paper and paperboard office supplies, nsk, total	N	X	X	242 148	N	X	X	N
322231WYWW	Die-cut paper and paperboard office supplies, nsk, for nonadministrative-record establishments	N	X	X	124 514	N	X	X	N
322231WYWY	Die-cut paper and paperboard office supplies, nsk, for administrative-record establishments	N	X	X	117 634	N	X	X	N
322232	Envelopes	N	X	X	3 478 408	N	X	X	2 641 007
3222320	Envelopes, commercial, all types and materials	N	X	X	3 478 408	N	X	X	2 641 007
32223201	Envelopes, commercial, all types and materials	N	X	X	2 812 407	N	X	X	N
3222320111	Envelopes, commercial, clasp and string-and-button types, including mailing	23	X	2 726.2	72 988	30	X	2 257.9	100 606
3222320121	Envelopes, commercial, white or colored mailing, except clasp and string-and-button types	101	X	128 336.8	2 116 074	86	X	121 487.9	1 625 759
3222320131	Envelopes, commercial, kraft mailing, except clasp and string-and-button types	47	X	12 831.5	231 532	57	X	P10 040.3	231 754
3222320141	Envelopes, commercial, all other types, including padded shipping envelopes	34	X	P13 067.0	391 813	44	X	P13 159.1	274 717
3222320Y	Envelopes, nsk, total	N	X	X	666 001	N	X	X	N
3222320YWW	Envelopes, nsk, for nonadministrative-record establishments	N	X	X	605 809	N	X	X	383 690
3222320YWY	Envelopes, nsk, for administrative-record establishments	N	X	X	60 192	N	X	X	24 481
322233	Stationery, tablet, and related products	N	X	X	1 507 044	N	X	X	1 268 776
3222331	Stationery	N	X	X	214 646	N	X	X	333 307
32223311	Stationery	N	X	X	201 028	N	X	X	N
3222331111	Boxed stationery and portfolios	21	X	X	57 894	31	X	X	106 873
3222331121	Wedding and social announcements, paper, cards, and envelopes	18	X	X	90 493	15	X	X	84 530
3222331131	All other stationery products, including packaged paper and envelopes, noncommercial	27	X	X	52 641	22	X	X	105 950
3222331Y	Stationery, nsk	N	X	X	13 618	N	X	X	N
3222331YVV	Stationery, nsk	N	X	X	13 618	N	X	X	35 954
3222333	Tablets, pads, and related products	N	X	X	1 226 382	N	X	X	809 361
32223331	Tablets and pads, 8 1/2 in. x 11 in. and 8 1/2 in. x 14 in., except columnar	N	X	X	57 050	N	X	X	N
3222333111	Tablets and pads, 8 1/2 in. x 11 in. and 8 1/2 in. x 14 in., except columnar	19	X	X	57 050	22	X	X	66 135
32223332	All other tablets and pads, including columnar	N	X	X	95 711	N	X	X	N
3222333221	All other tablets and pads, including columnar	32	X	X	95 711	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
322233	Stationery, tablet, and related products—Con.								
3222333	Tablets, pads, and related products—Con.								
32223333	Notebooks, bound with wire (except columnar), staples, thread, or plastics (including composition, memo, and stenographic but excluding case made)	N	X	X	309 208	N	X	X	N
3222333331	Notebooks, bound with wire (except columnar), staples, thread, or plastics (including composition, memo, and stenographic but excluding case made)	44	X	X	309 208	34	X	X	222 426
32223334	Looseleaf paper fillers, school and commercial types	N	X	X	130 465	N	X	X	N
3222333441	Looseleaf paper fillers, school and commercial types	20	X	X	130 465	17	X	X	101 139
32223335	Wrapped ream paper (exclude looseleaf fillers, photographic and photocopy paper, and paper for fax machines)	N	X	X	430 819	N	X	X	N
3222333551	Wrapped ream paper (exclude looseleaf fillers, photographic and photocopy paper, and paper for fax machines)	19	X	X	430 819	12	X	X	77 352
32223336	All other tablets, pads, and related products, nec	N	X	X	173 712	N	X	X	N
3222333691	All other tablets, pads, and related products, nec	19	X	X	173 712	20	X	X	26 582
3222333Y	Tablets, pads, and related products, nsk	N	X	X	29 417	N	X	X	N
3222333YWV	Tablets, pads, and related products, nsk	N	X	X	29 417	N	X	X	158 620
322233W	Stationery, tablets, and related products, nsk, total	N	X	X	66 016	N	X	X	126 108
322233WY	Stationery, tablets, and related products, nsk, total	N	X	X	66 016	N	X	X	N
322233WYWW	Stationery, tablets, and related products, nsk, for nonadministrative-record establishments	N	X	X	17 851	N	X	X	109 938
322233WYWY	Stationery, tablets, and related products, nsk, for administrative-record establishments	N	X	X	48 165	N	X	X	16 170
322291	Sanitary paper products	N	X	X	7 478 370	N	X	X	N
3222911	Sanitary napkins and tampons (not made in paper mills)	N	X	X	1 504 634	N	X	X	N
32229111	Sanitary napkins and tampons (not made in paper mills)	N	X	X	1 504 634	N	X	X	N
3222911111	Sanitary napkins, including maternity pads (not made in paper mills) \$	9	X	11 345.1	838 798	N	X	N	N
3222911121	Tampons (not made in paper mills) \$	5	X	5 368.5	665 836	N	X	N	N
3222911Y	Sanitary napkins and tampons (not made in paper mills), nsk	N	X	X	—	N	X	X	N
3222911YWV	Sanitary napkins and tampons (not made in paper mills), nsk	N	X	X	—	N	X	X	N
3222913	Disposable diapers (usually containing pulp or cellulose fibers) and similar disposable products (not made in paper mills)	N	X	X	4 209 954	N	X	X	N
32229131	Disposable diapers (usually containing pulp or cellulose fibers) and similar disposable products (not made in paper mills)	N	X	X	4 209 954	N	X	X	N
3222913111	Disposable diapers, except adult (usually containing pulp or cellulose fibers), including disposable training pants (not made in paper mills) #	13	X	D	D	N	X	N	N
3222913121	Disposable adult diapers, usually containing pulp or cellulose fibers (not made in paper mills) #	14	X	X	D	N	X	X	N
3222913131	Disposable incontinent pads and bedpads (not made in paper mills) #	12	X	X	D	N	X	X	N
3222913Y	Disposable diapers (usually containing pulp or cellulose fibers) and similar disposable products (not made in paper mills), nsk	N	X	X	—	N	X	X	N
3222913YWV	Disposable diapers (usually containing pulp or cellulose fibers) and similar disposable products (not made in paper mills), nsk	N	X	X	—	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
322291	Sanitary paper products—Con.								
3222915	Sanitary tissue paper products (not made in paper mills)	N	X	X	1 648 240	N	X	X	N
32229151	Facial tissues and handkerchiefs, including sputum wipes (not made in paper mills)	N	X	X	36 205	N	X	X	N
3222915111	Facial tissues and handkerchiefs, including sputum wipes (not made in paper mills) \$ 1,000 s tons..	4	X	12.1	36 205	N	X	N	N
32229152	Paper table napkins, bulk and dispenser industrial and retail types (not made in paper mills) #	N	X	X	D	N	X	X	N
3222915221	Paper table napkins, industrial, regular type, single-ply, bulk (not made in paper mills) # 1,000 s tons..	12	X	D	D	N	X	N	N
3222915223	Paper table napkins, industrial, regular type, single-ply, dispenser (not made in paper mills) # 1,000 s tons..	9	X	D	D	N	X	N	N
3222915225	Paper table napkins, industrial (bulk and dispenser type), facial tissue type, two-ply or more (not made in paper mills) # 1,000 s tons..	8	X	D	D	N	X	N	N
3222915227	Paper table napkins, retail packages (resale), regular type, single-ply (not made in paper mills) \$ 1,000 s tons..	10	X	P53.2	123 798	N	X	N	N
3222915229	Paper table napkins, retail packages (resale), facial tissue type, two-ply or more (not made in paper mills) # 1,000 s tons..	6	X	D	D	N	X	N	N
32229153	Toilet tissue, rolls and ovals, retail packages (resale), facial tissue type, two-ply or more (not made in paper mills)	N	X	X	228 108	N	X	X	N
3222915331	Toilet tissue, rolls and ovals, retail packages (resale), facial tissue type, two-ply or more (not made in paper mills) \$ 1,000 s tons..	8	X	S	228 108	N	X	N	N
32229154	Toilet tissue, rolls and ovals, retail packages (resale), regular type, single-ply (not made in paper mills) #	N	X	X	D	N	X	X	N
3222915433	Toilet tissue, rolls and ovals, retail packages (resale), regular type, single-ply (not made in paper mills) # 1,000 s tons..	5	X	D	D	N	X	N	N
32229155	Toilet tissue, rolls and ovals, industrial, facial tissue, regular, interfolded and flat package type (not made in paper mills) #	N	X	X	D	N	X	X	N
3222915535	Toilet tissue, rolls and ovals, industrial, facial tissue type, two-ply or more (not made in paper mills) # 1,000 s tons..	10	X	D	D	N	X	N	N
3222915541	Toilet tissue, rolls and ovals, industrial, regular type, single-ply (not made in paper mills) # 1,000 s tons..	5	X	D	D	N	X	N	N
3222915551	Toilet tissue, interfolded and flat package (not made in paper mills) # 1,000 s tons..	—	X	D	D	N	X	N	N
32229156	Paper towels (rolled, folded, or interfolded), industrial (not made in paper mills)	N	X	X	317 758	N	X	X	N
3222915661	Paper towels (rolled, folded, or interfolded), industrial (not made in paper mills) \$ 1,000 s tons..	10	X	S	317 758	N	X	N	N
32229157	Paper towels (rolled, folded, or interfolded), retail packages (resale) (not made in paper mills) #	N	X	X	D	N	X	X	N
3222915771	Paper towels (rolled, folded, or interfolded), retail packages (resale), single-ply (not made in paper mills) # 1,000 s tons..	6	X	D	D	N	X	N	N
3222915773	Paper towels (rolled, folded, or interfolded), retail packages (resale), two-ply or more (not made in paper mills) \$ 1,000 s tons..	4	X	46.3	86 964	N	X	N	N
32229158	Other sanitary tissue paper products, except surgical and medical (not made in paper mills) #	N	X	X	D	N	X	X	N
3222915881	Paper wipers (windshield, industrial, and lithographic plate), except nonwoven (not made in paper mills) # 1,000 s tons..	8	X	D	D	N	X	N	N
3222915891	Other sanitary paper products, including absorbent pads, toilet seat covers, bibs, headrests, tray covers, etc. (not made in paper mills) # 1,000 s tons..	19	X	D	D	N	X	N	N
3222915Y	Sanitary tissue paper products (not made in paper mills), nsk	N	X	X	16 944	N	X	X	N
3222915YWV	Sanitary tissue paper products (not made in paper mills), nsk	N	X	X	16 944	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
322291	Sanitary paper products—Con.								
322291W	Sanitary paper products, nsk, total	N	X	X	115 542	N	X	X	N
322291WY	Sanitary paper products, nsk, total	N	X	X	115 542	N	X	X	N
322291WYWW	Sanitary paper products, nsk, for nonadministrative-record establishments	N	X	X	25 367	N	X	X	N
322291WYWY	Sanitary paper products, nsk, for administrative-record establishments	N	X	X	90 175	N	X	X	N
322299	Other converted paper products	N	X	X	3 564 365	N	X	X	N
3222991	Molded pulp goods, including egg cartons, florist pots, food trays, etc.	N	X	X	466 042	N	X	X	354 360
32229911	Molded pulp goods, including egg cartons, florist pots, food trays, etc.	N	X	X	466 042	N	X	X	N
3222991100	Molded pulp goods, including egg cartons, florist pots, food trays, etc.	18	X	X	466 042	12	X	X	354 360
3222993	Other converted paper and paperboard products, nec	N	X	X	2 647 945	N	X	X	N
32229931	Paper party and holiday goods and accessories, including novelties, displays, decorations (except crepe paper), party hats, etc.	N	X	X	195 425	N	X	X	N
3222993111	Paper party and holiday goods and accessories, including novelties, displays, decorations (except crepe paper), party hats, etc.	12	X	X	195 425	22	X	X	153 619
32229932	Cellulose insulation, paper dollies, placemats, tray dollies, and paper folders and mounts, all types, except file folders	N	X	X	199 907	N	X	X	N
3222993221	Cellulose insulation	24	X	X	62 670	32	X	X	56 854
3222993231	Paper dollies, placemats, and tray dollies (or tray covers)	8	X	X	73 192	12	X	X	54 287
3222993241	Paper folders and mounts, all types, except file folders	9	X	X	64 045	17	X	X	67 251
32229933	Paper filters and paper wrapping products, nec, including creped wadding and crepe paper (except fine crepe paper)	N	X	X	245 802	N	X	X	N
3222993351	Paper filters, including coffee	8	X	X	138 400	N	X	X	N
3222993361	Paper wrapping products, nec, including creped wadding and crepe paper (except fine crepe paper)	26	X	X	107 402	31	X	X	84 690
32229934	Die-cut paper and paperboard products, except office supplies, including fillers and flats for egg cases (except molded pulp), bottle caps, closures and lids, unprinted cards	N	X	X	217 390	N	X	X	N
3222993471	Die-cut paper and paperboard products, except office products, including fillers and flats for egg cases (except molded pulp), bottle caps, closures and lids, unprinted cards	58	X	X	217 390	N	X	X	N
32229935	Other miscellaneous paper and paperboard products, nec, including fine crepe paper; unprinted tags, tickets, and labels; cigarette paper; paper draperies and table skirts; etc.	N	X	X	1 602 525	N	X	X	N
3222993591	Other miscellaneous paper and paperboard products, nec, including fine crepe paper; unprinted tags, tickets, and labels; cigarette paper; paper draperies and table skirts; etc.	207	X	X	1 602 525	N	X	X	N
3222993Y	Other converted paper and paperboard products, nsk	N	X	X	186 896	N	X	X	N
3222993YWV	Other converted paper and paperboard products, nsk	N	X	X	186 896	N	X	X	N
322299W	All other converted paper products, nsk, total	N	X	X	450 378	N	X	X	N
322299WY	All other converted paper products, nsk, total	N	X	X	450 378	N	X	X	N
322299WYWW	All other converted paper products, nsk, for nonadministrative-record establishments	N	X	X	404 759	N	X	X	N
322299WYWY	All other converted paper products, nsk, for administrative-record establishments	N	X	X	45 619	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
323110	Commercial lithographic printing.....	N	X	X	47 430 013	N	X	X	N
3231101	Magazine and periodical printing (lithographic) (offset)	N	X	X	5 232 685	N	X	X	4 643 410
32311011	Magazine and periodical printing, (lithographic) (offset)	N	X	X	4 724 288	N	X	X	N
3231101111	Magazine and periodical printing (excluding Sunday magazine and comic supplements) (lithographic), sheet-fed	677	X	X	953 347	661	X	X	693 427
3231101113	Magazine and periodical printing (excluding Sunday magazine and comic supplements) (lithographic), web-fed	249	X	X	3 597 164	261	X	X	3 255 762
3231101121	Magazine and comic supplement printing (lithographic), for Sunday newspapers	16	X	X	173 777	20	X	X	198 532
3231101Y	Magazine and periodical printing (lithographic), nsk	N	X	X	508 397	N	X	X	N
3231101YWV	Magazine and periodical printing (lithographic), nsk	N	X	X	508 397	N	X	X	495 689
3231103	Label and wrapper printing (lithographic) (offset)	N	X	X	1 940 329	N	X	X	1 539 256
32311031	Label and wrapper printing (lithographic)	N	X	X	1 693 597	N	X	X	N
3231103111	Label printing (lithographic), custom and stock labels, including bordered, made of paper, flat (except pressure-sensitive)	311	X	X	814 052	268	X	X	605 221
3231103116	Label printing (lithographic), custom and stock labels, including bordered, made of paper, rolls (except pressure-sensitive)	29	X	X	41 000	25	X	X	49 715
3231103121	Label printing (lithographic), custom and stock labels, including bordered, made of paper, pressure-sensitive (self-adhesive)	201	X	X	321 457	161	X	X	204 593
3231103126	Label printing (lithographic), custom and stock labels, including bordered, made of materials other than paper or cloth	38	X	X	109 914	34	X	X	38 901
3231103131	Printed rolls and sheets for packaging purposes (printing only) (lithographic), made of paper (single-web)	87	X	X	321 513	55	X	X	163 503
3231103136	Printed rolls and sheets for packaging purposes (printing only) (lithographic), made of materials other than paper or cloth, including multiweb structures	31	X	X	85 661	23	X	X	195 314
3231103Y	Label and wrapper printing (lithographic), nsk	N	X	X	246 732	N	X	X	N
3231103YWV	Label and wrapper printing (lithographic), nsk	N	X	X	246 732	N	X	X	282 009
3231105	Catalog and directory printing (lithographic) (offset)	N	X	X	5 063 520	N	X	X	3 963 868
32311051	Catalog and directory printing (lithographic)	N	X	X	4 618 381	N	X	X	N
3231105111	Catalog printing (lithographic), including direct mail catalogs, sheet-fed	892	X	X	860 242	891	X	X	692 146
3231105113	Catalog printing (lithographic), including direct mail catalogs, web-fed	240	X	X	2 319 386	309	X	X	1 853 369
3231105121	Telephone directory printing (lithographic)	46	X	X	1 228 124	36	X	X	846 316
3231105126	Other directory printing (lithographic), including business reference services, sheet-fed	103	X	X	112 934	87	X	X	51 871
3231105128	Other directory printing (lithographic), including business reference services, web-fed	44	X	X	97 695	51	X	X	135 450
3231105Y	Catalog and directory printing (lithographic), nsk	N	X	X	445 139	N	X	X	N
3231105YWV	Catalog and directory printing (lithographic), nsk	N	X	X	445 139	N	X	X	384 716
3231107	Financial and legal printing (lithographic) (offset)	N	X	X	2 613 461	N	X	X	1 775 814
32311071	Financial and legal printing (lithographic)	N	X	X	2 356 966	N	X	X	N
3231107111	SEC filing and prospectus printing (lithographic), sheet-fed	61	X	X	106 205	47	X	X	96 296
3231107113	SEC filing and prospectus printing (lithographic), web-fed	36	X	X	481 431	22	X	X	254 664
3231107121	Annual report and other corporate financial printing (lithographic), sheet-fed	497	X	X	474 225	406	X	X	325 947
3231107123	Annual report and other corporate financial printing (lithographic), web-fed	64	X	X	399 545	67	X	X	164 152

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
323110	Commercial lithographic printing—Con.								
3231107	Financial and legal printing (lithographic) (offset)—Con.								
32311071	Financial and legal printing (lithographic)—Con.								
3231107131	Other financial and legal printing (lithographic), including insurance forms, briefs, etc. (except checkbooks, sheet-fed)	164	X	X	149 045	186	X	X	139 967
3231107133	Other financial and legal printing (lithographic), including insurance forms, briefs, etc. (except checkbooks), web-fed	30	X	X	94 870	40	X	X	67 522
3231107141	Bank printing (lithographic), excluding bank forms and checkbooks, sheet-fed	86	X	X	407 658	110	X	X	118 934
3231107143	Bank printing (lithographic), excluding bank forms and checkbooks, web-fed	58	X	X	116 884	60	X	X	223 685
3231107151	Bank form printing (lithographic), including passbooks, debit-credit slips, ledger and statement sheets, installment-loan coupons, etc. (except checkbooks)	59	X	X	127 103	66	X	X	92 528
3231107Y	Financial and legal printing (lithographic), nsk	N	X	X	256 495	N	X	X	N
3231107YVV	Financial and legal printing (lithographic), nsk	N	X	X	256 495	N	X	X	292 119
3231109	Advertising printing (lithographic) (offset)	N	X	X	14 989 698	N	X	X	13 218 922
32311091	Direct mail advertising printing (lithographic), including circulars, letters, pamphlets, cards, etc.	N	X	X	4 315 686	N	X	X	N
3231109111	Direct mail advertising printing (lithographic), including circulars, letters, pamphlets, cards, etc., sheet-fed	1 496	X	X	2 115 138	1 569	X	X	1 649 528
3231109113	Direct mail advertising printing (lithographic), including circulars, letters, pamphlets, cards, etc., web-fed	301	X	X	2 200 548	409	X	X	1 864 492
32311092	Advertising printing (lithographic), except direct mail advertising	N	X	X	8 946 122	N	X	X	N
3231109221	Display advertising poster printing (lithographic), including outdoor advertising, car cards, window, etc.	325	X	X	299 450	297	X	X	224 527
3231109226	Counter, floor display, point-of-purchase, and other advertising display material printing (lithographic), sheet-fed	502	X	X	872 332	442	X	X	577 217
3231109228	Counter, floor display, point-of-purchase, and other advertising display material printing (lithographic), web-fed	41	X	X	154 374	48	X	X	117 533
3231109236	Preprinted newspaper advertising insert printing (lithographic) (advertising supplements not regularly issued), rolls, including hi-fi and spectacular	57	X	X	368 917	87	X	X	288 980
3231109241	Preprinted newspaper advertising insert printing (lithographic) (advertising supplements not regularly issued), sections (two pages or more)	73	X	X	1 523 112	168	X	X	1 525 935
3231109246	Shopping news printing (lithographic)	73	X	X	223 455	109	X	X	97 145
3231109251	Book jacket printing (lithographic)	53	X	X	100 807	58	X	X	133 694
3231109256	Other advertising printing (lithographic), including brochures, magazine inserts, etc., sheet-fed	1 469	X	X	3 395 450	1 754	X	X	2 694 879
3231109258	Other advertising printing (lithographic), including brochures, magazine inserts, etc., web-fed	272	X	X	2 008 225	378	X	X	1 913 038
3231109Y	Advertising printing (lithographic), nsk	N	X	X	1 727 890	N	X	X	N
3231109YVV	Advertising printing (lithographic), nsk	N	X	X	1 727 890	N	X	X	2 131 954
323110B	Other general job printing, nec (lithographic) (offset)	N	X	X	10 088 528	N	X	X	N
323110B1	Other general job printing (lithographic)	N	X	X	7 436 488	N	X	X	N
323110B111	Newspaper printing (lithographic)	186	X	X	1 718 421	479	X	X	892 496
323110B116	Scientific and technical recording chart and chart paper printing (lithographic)	37	X	X	83 323	N	X	X	N
323110B121	Map, atlas, and globe cover printing (lithographic), including road maps and strip maps	73	X	X	54 141	63	X	X	62 993
323110B126	Calendar and calendar pad printing (lithographic), sheet-fed	221	X	X	215 744	171	X	X	168 229

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
323110	Commercial lithographic printing—Con.								
323110B	Other general job printing, nec (lithographic) (offset)—Con.								
323110B1	Other general job printing (lithographic)—Con.								
323110B128	Calendar and calendar pad printing (lithographic), web-fed	28	X	X	283 665	43	X	X	208 554
323110B136	Ticket, coupon, and food and beverage check printing (lithographic), including transportation and amusement	96	X	X	157 988	92	X	X	157 461
323110B141	Playing card printing (lithographic)	13	X	X	164 228	15	X	X	91 649
323110B146	Printed decalcomanias and pressure-sensitives (self-adhesive) (lithographic), including bumper stickers, etc., excluding labels	33	X	X	43 750	20	X	X	26 762
323110B151	Lithographic printing on metal	22	X	X	167 693	25	X	X	337 754
323110B156	Credit and identification card printing (lithographic) (plastics, paper laminations, etc.)	35	X	X	230 574	27	X	X	64 429
323110B161	Business card printing (lithographic)	378	X	X	221 022	278	X	X	189 736
323110B166	Other business form printing, nec (lithographic), excluding blankbooks and looseleaf forms, sheet-fed	474	X	X	457 401	565	X	X	364 505
323110B168	Other business form printing, nec (lithographic), excluding blankbooks and looseleaf forms, web-fed	126	X	X	323 809	128	X	X	219 416
323110B176	Art reproduction and picture print printing (lithographic)	153	X	X	133 491	160	X	X	101 166
323110B181	Greeting cards, printed for publication by others (lithographic)	76	X	X	90 337	N	X	X	N
323110B191	All other general commercial lithographic printing, nec, sheet-fed	733	X	X	1 983 177	N	X	X	N
323110B193	All other general commercial lithographic printing, nec, web-fed	256	X	X	1 107 724	N	X	X	N
323110BY	Other general job printing (lithographic), nsk	N	X	X	2 652 040	N	X	X	N
323110BYWV	Other general job printing (lithographic), nsk	N	X	X	2 652 040	N	X	X	N
323110W	Commercial lithographic printing, nsk, total	N	X	X	7 501 792	N	X	X	N
323110WY	Commercial lithographic printing, nsk, total	N	X	X	7 501 792	N	X	X	N
323110WYWV	Commercial lithographic printing, nsk, for nonadministrative-record establishments	N	X	X	6 523 461	N	X	X	N
323110WYWY	Commercial lithographic printing, nsk, for administrative-record establishments	N	X	X	978 331	N	X	X	N
323111	Commercial gravure printing	N	X	X	3 927 548	N	X	X	N
3231111	Magazine and periodical printing (gravure)	N	X	X	780 767	N	X	X	551 058
32311111	Magazine and periodical printing (gravure)	N	X	X	780 767	N	X	X	N
3231111111	Magazine and periodical printing (gravure), excluding magazine and comic supplements for Sunday newspapers	9	X	X	D	14	X	X	398 171
3231111116	Magazine and comic supplement printing (gravure) for Sunday newspapers	2	X	X	D	4	X	X	152 679
3231111Y	Magazine and periodical printing (gravure), nsk	N	X	X	—	N	X	X	N
3231111YWV	Magazine and periodical printing (gravure), nsk	N	X	X	—	N	X	X	208
3231113	Label and wrapper printing (gravure)	N	X	X	736 982	N	X	X	535 056
32311131	Label printing (gravure)	N	X	X	492 619	N	X	X	N
3231113111	Label printing (gravure), custom and stock labels, including bordered, made of paper, flat (except pressure-sensitive)	8	X	X	141 554	9	X	X	85 305
3231113116	Label printing (gravure), custom and stock labels, including bordered, made of paper, rolls (except pressure-sensitive)	13	X	X	206 365	14	X	X	198 102
3231113121	Label printing (gravure), custom and stock labels, including bordered, made of paper, pressure-sensitive (self-adhesive)	12	X	X	45 012	6	X	X	5 544
3231113126	Label printing (gravure), custom and stock labels, including bordered, made of materials other than paper or cloth	8	X	X	99 688	9	X	X	59 265

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
323111	Commercial gravure printing—Con.								
3231113	Label and wrapper printing (gravure)—Con.								
32311132	Wrapper printing (gravure)	N	X	X	197 730	N	X	X	N
3231113231	Printed rolls and sheets for packaging purposes (printing only) (gravure), made of paper (single-web)	6	X	X	120 781	11	X	X	N
3231113236	Printed rolls and sheets for packaging purposes (printing only) (gravure), made of materials other than paper or cloth, including multiweb structures	4	X	X	76 949	5	X	X	N
3231113Y	Label and wrapper printing (gravure), nsk	N	X	X	46 633	N	X	X	N
3231113YWV	Label and wrapper printing (gravure), nsk	N	X	X	46 633	N	X	X	24 199
3231115	Catalog and directory printing (gravure)	N	X	X	837 823	N	X	X	883 148
32311151	Catalog and directory printing (gravure)	N	X	X	837 823	N	X	X	N
3231115100	Catalog and directory printing (gravure)	6	X	X	837 823	10	X	X	883 148
3231117	Advertising printing (gravure)	N	X	X	702 355	N	X	X	930 344
32311171	Advertising printing (gravure)	N	X	X	700 975	N	X	X	N
3231117111	Direct mail advertising printing (gravure), including circulars, letters, pamphlets, cards, and printed envelopes	23	X	X	258 061	25	X	X	N
3231117116	Preprinted newspaper advertising insert printing (advertising supplements not regularly issued)	4	X	X	249 135	6	X	X	N
3231117121	Other advertising printing (gravure), including shopping news, brochures, book jackets, etc.	19	X	X	193 779	25	X	X	N
3231117Y	Advertising printing (gravure), nsk	N	X	X	1 380	N	X	X	N
3231117YWV	Advertising printing (gravure), nsk	N	X	X	1 380	N	X	X	6 827
3231119	Other general job printing, nec (gravure)	N	X	X	556 474	N	X	X	N
32311191	Other general job printing (gravure)	N	X	X	462 698	N	X	X	N
3231119111	Printed decalcomanias and pressure-sensitives (self-adhesive) (gravure), including bumper stickers, etc., except labels	5	X	X	D	6	X	X	43 129
3231119191	All other general commercial gravure printing, nec, including customized stationery and business cards	33	X	X	D	N	X	X	N
3231119Y	Other general job printing (gravure), nsk	N	X	X	93 776	N	X	X	N
3231119YWV	Other general job printing (gravure), nsk	N	X	X	93 776	N	X	X	N
323111W	Commercial gravure printing, nsk, total	N	X	X	313 147	N	X	X	N
323111WY	Commercial gravure printing, nsk, total	N	X	X	313 147	N	X	X	N
323111WYWW	Commercial gravure printing, nsk, for nonadministrative-record establishments	N	X	X	139 988	N	X	X	N
323111WYWY	Commercial gravure printing, nsk, for administrative-record establishments	N	X	X	173 159	N	X	X	N
323112	Commercial flexographic printing	N	X	X	4 359 286	N	X	X	N
3231121	Label and wrapper printing (flexographic)	N	X	X	3 532 321	N	X	X	2 066 349
32311211	Label printing (flexographic), custom and stock labels, including bordered, made of paper, flat (except pressure-sensitive)	N	X	X	105 399	N	X	X	N
3231121111	Label printing (flexographic), custom and stock labels, including bordered, made of paper, flat (except pressure-sensitive)	44	X	X	105 399	22	X	X	27 791
32311212	Label printing (flexographic), custom and stock labels, including bordered, made of paper, rolls (except pressure-sensitive)	N	X	X	213 234	N	X	X	N
3231121216	Label printing (flexographic), custom and stock labels, including bordered, made of paper, rolls (except pressure-sensitive)	73	X	X	213 234	49	X	X	129 312

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323112	Commercial flexographic printing—Con.								
3231121	Label and wrapper printing (flexographic)—Con.								
32311213	Label printing (flexographic), custom and stock labels, including bordered, made of paper, pressure-sensitive, flat	N	X	X	361 824	N	X	X	N
3231121321	Label printing (flexographic), custom and stock labels, including bordered, made of paper, pressure-sensitive, flat	92	X	X	361 824	71	X	X	242 225
32311214	Label printing (flexographic), custom and stock labels, including bordered, made of paper, pressure-sensitive, rolls	N	X	X	1 486 877	N	X	X	N
3231121426	Label printing (flexographic), custom and stock labels, including bordered, made of paper, pressure-sensitive, rolls	321	X	X	1 486 877	248	X	X	934 466
32311215	Label printing (flexographic), custom and stock labels, including bordered, made of materials other than paper or cloth	N	X	X	232 503	N	X	X	N
3231121531	Label printing (flexographic), custom and stock labels, including bordered, made of materials other than paper or cloth	62	X	X	232 503	50	X	X	130 766
32311216	Printed rolls and sheets for packaging purposes (printing only) (flexographic), made of paper (single-web)	N	X	X	224 410	N	X	X	N
3231121636	Printed rolls and sheets for packaging purposes (printing only) (flexographic), made of paper (single-web)	30	X	X	224 410	33	X	X	114 520
32311217	Printed rolls and sheets for packaging purposes (printing only) (flexographic), made of polyethylene (single-web)	N	X	X	170 826	N	X	X	N
3231121741	Printed rolls and sheets for packaging purposes (printing only) (flexographic), made of polyethylene (single-web)	29	X	X	170 826	33	X	X	152 126
32311218	Other printed rolls and sheets for packaging purposes (printing only) (flexographic), including multiweb structures	N	X	X	120 568	N	X	X	N
3231121846	Other printed rolls and sheets for packaging purposes (printing only) (flexographic), including multiweb structures	22	X	X	120 568	27	X	X	110 404
3231121Y	Label and wrapper printing (flexographic), nsk	N	X	X	616 680	N	X	X	N
3231121YWV	Label and wrapper printing (flexographic), nsk	N	X	X	616 680	N	X	X	224 739
3231123	Flexographic printing, nec (excluding labels and wrappers)	N	X	X	725 630	N	X	X	N
32311231	Magazine, periodical, and Sunday comic and supplement printing (flexographic)	N	X	X	D	N	X	X	N
3231123111	Magazine and periodical printing (flexographic)	2	X	X	D	2	X	X	N
3231123116	Magazine and comic supplement printing (flexographic) for Sunday newspapers	1	X	X	D	3	X	X	N
32311232	Flexographic printing, nec (excluding labels and wrappers)	N	X	X	D	N	X	X	N
3231123221	Financial and legal printing (flexographic), including annual corporate reports, bank printing, etc.	5	X	X	D	1	X	X	N
3231123226	Advertising printing (flexographic), including direct mail, display, preprinted newspaper inserts, book jackets	13	X	X	74 508	N	X	X	N
3231123231	Shopping news printing (flexographic)	—	X	X	—	N	X	X	N
3231123236	Newspaper printing (flexographic), except shopping news	—	X	X	—	8	X	X	4 663
3231123291	All other flexographic printing, nec	66	X	X	325 334	N	X	X	N
3231123Y	Flexographic printing, nec (excluding labels and wrappers), nsk	N	X	X	265 818	N	X	X	N
3231123YWV	Flexographic printing, nec (excluding labels and wrappers), nsk	N	X	X	265 818	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
323112	Commercial flexographic printing—Con.								
323112W	Commercial flexographic printing, nsk, total	N	X	X	101 335	N	X	X	N
323112WY	Commercial flexographic printing, nsk, total	N	X	X	101 335	N	X	X	N
323112WYWW	Commercial flexographic printing, nsk for nonadministrative-record establishments	N	X	X	72 235	N	X	X	N
323112WYWY	Commercial flexographic printing, nsk, for administrative-record establishments	N	X	X	29 100	N	X	X	N
323113	Commercial screen printing	N	X	X	6 049 991	N	X	X	N
3231131	Screen printing, except on textiles	N	X	X	2 779 259	N	X	X	N
32311311	Screen printed labels	N	X	X	535 207	N	X	X	N
3231131111	Screen printed paper labels, custom and stock, including bordered, pressure-sensitive, flat	83	X	X	197 465	51	X	X	121 535
3231131116	Screen printed paper labels, custom and stock, including bordered, pressure-sensitive, rolls	31	X	X	78 981	19	X	X	56 775
3231131121	Other screen printed paper labels, custom and stock, including bordered	11	X	X	9 379	9	X	X	15 783
3231131126	Screen printed labels made of materials other than paper or cloth, custom and stock, including bordered	91	X	X	239 182	88	X	X	207 590
3231131181	Screen printed greeting cards, printed for publication by others	4	X	X	10 200	N	X	X	N
32311312	Screen printed advertising materials	N	X	X	559 947	N	X	X	N
3231131231	Screen printed display advertising posters, including outdoor advertising, car cards, window, etc.	153	X	X	254 542	132	X	X	176 255
3231131236	Screen printed display advertising, including counter, floor display, point-of-purchase, and other printed advertising display material	109	X	X	235 190	100	X	X	124 885
3231131241	Other screen printed advertising materials	36	X	X	70 215	59	X	X	83 448
32311313	Screen printed decalcomanias and pressure-sensitives (self-adhesive), including bumper stickers, etc., excluding labels	N	X	X	531 603	N	X	X	N
3231131346	Screen printed decalcomanias and pressure-sensitives (self-adhesive), including bumper stickers, etc., excluding labels	178	X	X	531 603	183	X	X	405 041
32311314	Screen printing, nec, except on textiles	N	X	X	683 725	N	X	X	N
3231131451	Screen printing on metal	108	X	X	137 479	96	X	X	86 745
3231131456	Screen printing on glass or plastics containers for others	55	X	X	195 084	56	X	X	98 814
3231131491	All other general commercial screen printing, nec (excluding printing on apparel or fabrics)	126	X	X	351 162	N	X	X	N
3231131Y	Screen printing, except on textiles, nsk	N	X	X	468 777	N	X	X	N
3231131YWV	Screen printing, except on textiles, nsk	N	X	X	468 777	N	X	X	N
3231133	Screen printing on garments, apparel accessories, and other fabric articles	N	X	X	2 551 895	N	X	X	N
32311331	Screen printing on garments, apparel accessories, and other fabric articles	N	X	X	2 403 332	N	X	X	N
3231133111	Screen printing on apparel and apparel accessories, made of any material	872	X	X	1 970 064	N	X	X	N
3231133116	Screen printing on fabric articles other than apparel or apparel accessories	120	X	X	386 125	N	X	X	N
3231133121	Stamped art goods for embroidering, punching, and needlework	17	X	X	47 143	8	X	X	36 599
3231133Y	Screen printing on garments, apparel accessories, and other fabric articles, nsk	N	X	X	148 563	N	X	X	N
3231133YWV	Screen printing on garments, apparel accessories, and other fabric articles, nsk	N	X	X	148 563	N	X	X	N
323113W	Commercial screen printing, nsk, total	N	X	X	718 837	N	X	X	N
323113WY	Commercial screen printing, nsk, total	N	X	X	718 837	N	X	X	N
323113WYWW	Commercial screen printing, nsk, for nonadministrative-record establishments	N	X	X	405 622	N	X	X	N
323113WYWY	Commercial screen printing, nsk, for administrative-record establishments	N	X	X	313 215	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
323114	Quick printing	N	X	X	3 822 265	N	X	X	N
3231140	Quick printing	N	X	X	3 822 265	N	X	X	N
32311401	Quick printing	N	X	X	2 995 098	N	X	X	N
3231140100	Quick printing	3 702	X	X	2 995 098	N	X	X	N
3231140Y	Quick printing, nsk, total	N	X	X	827 167	N	X	X	N
3231140YWW	Quick printing, nsk, for nonadministrative-record establishments	N	X	X	79 909	N	X	X	N
3231140YWY	Quick printing, nsk, for administrative-record establishments	N	X	X	747 258	N	X	X	N
323115	Digital printing	N	X	X	492 767	N	X	X	N
3231150	Digital printing	N	X	X	492 767	N	X	X	N
32311501	Digital printing	N	X	X	454 120	N	X	X	N
3231150100	Digital printing	519	X	X	454 120	N	X	X	N
3231150Y	Digital printing, nsk, total	N	X	X	38 647	N	X	X	N
3231150YWW	Digital printing, nsk, for nonadministrative-record establishments	N	X	X	9 007	N	X	X	N
3231150YWY	Digital printing, nsk, for administrative-record establishments	N	X	X	29 640	N	X	X	N
323116	Manifold business form printing	N	X	X	8 238 472	N	X	X	N
3231161	Unit set forms, loose or bound	N	X	X	1 594 840	N	X	X	1 363 479
32311611	Unit set forms, loose or bound, except custom printed	N	X	X	573 331	N	X	X	N
3231161111	Unit set label-form combination business forms, loose or bound	21	X	X	30 491	16	X	X	21 113
3231161121	Unit set business forms, loose or bound, stock (including imprinted), with one-time carbon	30	X	X	315 279	31	X	X	80 923
3231161126	Unit set business forms, loose or bound, stock (including imprinted), carbonless	55	X	X	227 561	42	X	X	97 950
32311612	Unit set business forms, loose or bound, custom-printed, with one-time carbon	N	X	X	272 344	N	X	X	N
3231161231	Unit set business forms, loose or bound, custom-printed, with one-time carbon	147	X	X	272 344	183	X	X	340 059
32311613	Unit set business forms, loose or bound, custom-printed, carbonless	N	X	X	511 909	N	X	X	N
3231161336	Unit set business forms, loose or bound, custom-printed, carbonless	266	X	X	511 909	253	X	X	607 405
32311614	Tabulating card sets	N	X	X	12 505	N	X	X	N
3231161441	Tabulating card sets	7	X	X	12 505	10	X	X	9 234
3231161Y	Unit set forms, loose or bound, nsk	N	X	X	224 751	N	X	X	N
3231161YWV	Unit set forms, loose or bound, nsk	N	X	X	224 751	N	X	X	206 795
3231163	Manifold books and pegboard accounting systems	N	X	X	160 355	N	X	X	330 534
32311631	Manifold books and pegboard accounting systems	N	X	X	121 368	N	X	X	N
3231163111	Pegboard accounting systems	18	X	X	68 748	18	X	X	103 067
3231163116	Sales and other manifold books	39	X	X	52 620	33	X	X	168 002
3231163Y	Manifold books and pegboard accounting systems, nsk	N	X	X	38 987	N	X	X	N
3231163YWV	Manifold books and pegboard accounting systems, nsk	N	X	X	38 987	N	X	X	59 465
3231165	Custom continuous business forms	N	X	X	2 523 101	N	X	X	2 647 581
32311651	Label-form combination, jumbo roll-feed, and self-mailer custom-printed continuous business forms	N	X	X	543 673	N	X	X	N
3231165111	Custom continuous label-form combination business forms	44	X	X	374 443	45	X	X	105 561
3231165116	Custom continuous jumbo roll-feed business forms	29	X	X	91 341	18	X	X	88 344
3231165121	Custom continuous peel-back self-mailer business forms	20	X	X	21 462	20	X	X	61 228
3231165126	Custom continuous insert self-mailer business forms	18	X	X	36 550	19	X	X	100 120
3231165131	All other custom continuous self-mailer business forms	8	X	X	19 877	11	X	X	30 960
32311652	One-part custom-printed continuous business forms	N	X	X	481 842	N	X	X	N
3231165236	Custom continuous business forms, one-part, with product affixed	24	X	X	121 925	34	X	X	82 799
3231165241	All other custom continuous business forms, nec, one-part with no product affixed	138	X	X	359 917	147	X	X	522 711

Table 1. Products Statistics: 1997 and 1992—Con.

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NAICS product code	Product	1997				1992			
		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
323116	Manifold business form printing—Con.								
3231165	Custom continuous business forms—Con.								
32311653	All other custom continuous multiple-part business forms, with one-time carbon	N	X	X	227 923	N	X	X	N
3231165346	All other custom continuous multiple-part business forms, with one-time carbon	122	X	X	227 923	170	X	X	387 467
32311654	All other custom continuous multiple-part business forms, carbonless	N	X	X	876 297	N	X	X	N
3231165451	All other custom continuous multiple-part business forms, carbonless	212	X	X	876 297	225	X	X	911 382
3231165Y	Custom continuous forms, nsk	N	X	X	393 366	N	X	X	N
3231165YVW	Custom continuous forms, nsk	N	X	X	393 366	N	X	X	357 009
3231167	Stock continuous business forms	N	X	X	1 065 457	N	X	X	1 590 806
32311671	Stock continuous business forms	N	X	X	929 196	N	X	X	N
3231167111	Stock continuous label-form combination business forms	7	X	X	102 380	6	X	X	42 231
3231167116	Stock continuous jumbo roll-feed business forms	5	X	X	42 758	6	X	X	19 622
3231167121	All other stock continuous business forms, nec, one-part	25	X	X	620 347	38	X	X	811 429
3231167126	All other stock continuous business forms, nec, multiple-part with one-time carbon	17	X	X	61 996	26	X	X	89 141
3231167131	All other stock continuous business forms, nec, multiple-part, carbonless	26	X	X	101 715	30	X	X	260 170
3231167Y	Stock continuous forms, nsk	N	X	X	136 261	N	X	X	N
3231167YVW	Stock continuous forms, nsk	N	X	X	136 261	N	X	X	368 213
3231169	Checkbooks (including inserts and refills, but excluding those in continuous form and die-cut)	N	X	X	1 618 640	N	X	X	1 677 577
32311691	Checkbooks (including inserts and refills, but excluding those in continuous form and die-cut)	N	X	X	1 618 640	N	X	X	N
3231169100	Checkbooks (including inserts and refills, but excluding those in continuous form and die-cut)	42	X	X	1 618 640	N	X	X	N
323116W	Manifold business form printing, nsk, total	N	X	X	1 276 079	N	X	X	N
323116WY	Manifold business form printing, nsk, total	N	X	X	1 276 079	N	X	X	N
323116WYVW	Manifold business form printing, nsk, for nonadministrative-record establishments	N	X	X	1 041 405	N	X	X	N
323116WYVY	Manifold business form printing, nsk, for administrative-record establishments	N	X	X	234 674	N	X	X	N
323117	Book printing	N	X	X	5 602 444	N	X	X	4 730 237
3231171	Textbook printing and binding	N	X	X	999 809	N	X	X	683 748
32311711	Hardbound elementary and high school (grades K through 12) textbook printing and binding, including teachers' editions	N	X	X	225 473	N	X	X	N
3231171111	Hardbound elementary and high school (grades K through 12) textbook printing and binding, including teachers' editions	17	X	X	225 473	21	X	X	162 316
32311712	Paperbound elementary and high school (grades K through 12) textbook printing and binding, including teachers' editions	N	X	X	299 551	N	X	X	N
3231171216	Paperbound elementary and high school (grades K through 12) textbook printing and binding, including teachers' editions	58	X	X	299 551	57	X	X	168 070
32311713	Hardbound college (grades 13 and up, for any post high school level courses) textbook printing and binding	N	X	X	172 610	N	X	X	N
3231171321	Hardbound college (grades 13 and up, for any post high school level courses) textbook printing and binding	25	X	X	172 610	24	X	X	140 290
32311714	Paperbound college (grades 13 and up, for any post high school level courses) textbook printing and binding	N	X	X	220 139	N	X	X	N
3231171426	Paperbound college (grades 13 and up, for any post high school level courses) textbook printing and binding	66	X	X	220 139	62	X	X	150 734

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NAICS product code	Product	1997				1992			
		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
323117	Book printing—Con.								
3231171	Textbook printing and binding—Con.								
32311715	Workbook and standardized test printing and binding, all grade levels	N	X	X	67 552	N	X	X	N
3231171531	Workbook and standardized test printing and binding, all grade levels	45	X	X	67 552	30	X	X	47 349
3231171Y	Textbooks, printing and binding, nsk	N	X	X	14 484	N	X	X	N
3231171YVV	Textbooks, printing and binding, nsk	N	X	X	14 484	N	X	X	14 989
3231173	Technical, scientific, and professional book printing and binding	N	X	X	946 619	N	X	X	1 014 861
32311731	Technical, scientific, and professional book printing and binding	N	X	X	904 467	N	X	X	N
3231173111	Hardbound technical, scientific, and professional book printing and binding	40	X	X	150 779	45	X	X	152 772
3231173116	Paperbound technical, scientific, and professional book printing and binding	223	X	X	753 688	262	X	X	802 012
3231173Y	Technical, scientific, and professional book printing and binding, nsk	N	X	X	42 152	N	X	X	N
3231173YVV	Technical, scientific, and professional book printing and binding, nsk	N	X	X	42 152	N	X	X	60 077
3231175	Religious book printing and binding	N	X	X	339 078	N	X	X	206 998
32311751	Religious book printing and binding	N	X	X	334 697	N	X	X	N
3231175111	Hardbound (including flexible cover) religious book printing and binding	38	X	X	206 626	25	X	X	76 825
3231175116	Paperbound religious book printing and binding	81	X	X	128 071	69	X	X	89 069
3231175Y	Religious books, printing and binding, nsk	N	X	X	4 381	N	X	X	N
3231175YVV	Religious books, printing and binding, nsk	N	X	X	4 381	N	X	X	41 104
3231177	General book (trade, etc.) printing and binding	N	X	X	1 316 352	N	X	X	1 125 713
32311771	Hardbound book club and mail order book printing and binding	N	X	X	196 455	N	X	X	N
3231177111	Hardbound book club and mail order book printing and binding	19	X	X	196 455	13	X	X	128 527
32311772	Paperbound book club and mail order book printing and binding	N	X	X	96 381	N	X	X	N
3231177216	Paperbound book club and mail order book printing and binding	50	X	X	96 381	38	X	X	81 155
32311773	Mass market rack-size paperbound book printing and binding, distributed predominantly to mass market outlets	N	X	X	218 790	N	X	X	N
3231177321	Mass market rack-size paperbound book printing and binding, distributed predominantly to mass market outlets	30	X	X	218 790	27	X	X	131 698
32311774	Hardbound adult trade book printing and binding, sold primarily through retail or wholesale book sellers	N	X	X	335 481	N	X	X	N
3231177426	Hardbound adult trade book printing and binding, sold primarily through retail or wholesale book sellers	33	X	X	335 481	36	X	X	364 820
32311775	Paperbound adult trade book printing and binding, sold primarily through retail or wholesale book sellers	N	X	X	248 643	N	X	X	N
3231177531	Paperbound adult trade book printing and binding, sold primarily through retail or wholesale book sellers	68	X	X	248 643	62	X	X	280 089
32311776	Hardbound juvenile book printing and binding (fiction and nonfiction, including toy and coloring books)	N	X	X	76 347	N	X	X	N
3231177636	Hardbound juvenile book printing and binding (fiction and nonfiction, including toy and coloring books)	15	X	X	76 347	12	X	X	44 686
32311777	Paperbound juvenile book printing and binding (fiction and nonfiction, including toy and coloring books)	N	X	X	79 402	N	X	X	N
3231177741	Paperbound juvenile book printing and binding (fiction and nonfiction, including toy and coloring books)	45	X	X	79 402	33	X	X	47 937
3231177Y	General book (trade, etc.) printing and binding, nsk	N	X	X	64 853	N	X	X	N
3231177YVV	General book (trade, etc.) printing and binding, nsk	N	X	X	64 853	N	X	X	46 801

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
323117	Book printing—Con.								
3231179	Other book printing and binding, nec	N	X	X	901 400	N	X	X	729 351
32311791	Other book printing and binding, nec	N	X	X	844 789	N	X	X	N
3231179111	Encyclopedia printing and binding	5	X	X	D	3	X	X	49 182
3231179116	Other hardbound reference book printing and binding (including dictionaries, thesauruses, etc.)	20	X	X	D	10	X	X	44 538
3231179121	Other paperbound reference book printing and binding (including dictionaries, thesauruses, etc.)	55	X	X	150 622	42	X	X	64 334
3231179126	All other hardbound book printing and binding, nec (including music books, university press books, etc.)	41	X	X	276 481	36	X	X	310 285
3231179131	All other paperbound book printing and binding, nec (including music books, university press books, etc.)	133	X	X	267 853	98	X	X	255 034
3231179Y	Other books, nec, printing and binding, nsk	N	X	X	56 611	N	X	X	N
3231179YVV	Other books, nec, printing and binding, nsk	N	X	X	56 611	N	X	X	5 978
323117A	Books, printing only, not bound	N	X	X	114 774	N	X	X	137 225
323117A1	Books, printing only, not bound	N	X	X	114 774	N	X	X	N
323117A100	Books, printing only, not bound	116	X	X	114 774	94	X	X	137 225
323117C	Pamphlet printing and binding or printing only (excluding advertising pamphlets)	N	X	X	471 886	N	X	X	308 321
323117C1	Pamphlets printing and binding or printing only (excluding advertising pamphlets)	N	X	X	471 886	N	X	X	N
323117C100	Pamphlets printing and binding or printing only (excluding advertising pamphlets)	421	X	X	471 886	338	X	X	308 321
323117W	Book printing, nsk, total	N	X	X	512 526	N	X	X	524 020
323117WY	Book printing, nsk, total	N	X	X	512 526	N	X	X	N
323117WYVV	Book printing, nsk, for nonadministrative-record establishments	N	X	X	355 675	N	X	X	455 224
323117WYVY	Book printing, nsk, for administrative-record establishments	N	X	X	156 851	N	X	X	68 796
323118	Blankbooks and looseleaf binders and devices	N	X	X	2 322 741	N	X	X	N
3231181	Blankbook making, except checkbooks	N	X	X	475 826	N	X	X	404 711
32311811	Blankbook making, except checkbooks	N	X	X	469 289	N	X	X	N
3231181111	Albums and scrapbooks, including photograph, stamp, and all other bound books used for storage, excluding looseleaf	28	X	X	207 237	28	X	X	236 634
3231181116	Diaries, time planners-organizers, and appointment books, including refills, excluding looseleaf	18	X	X	200 692	16	X	X	103 723
3231181121	All other blankbooks, including ledger and account books, columnar books, memo books, and address books	20	X	X	61 360	22	X	X	50 472
3231181Y	Blankbook making, except checkbooks, nsk	N	X	X	6 537	N	X	X	N
3231181YVV	Blankbook making, except checkbooks, nsk	N	X	X	6 537	N	X	X	13 882
3231183	Looseleaf binders, devices, and forms, including those used for time planners-organizers, appointment books, photo albums, scrap books, etc.	N	X	X	1 638 364	N	X	X	1 104 404
32311831	Looseleaf binders, devices, and forms	N	X	X	1 474 143	N	X	X	N
3231183111	Stock (cataloged) three-ring looseleaf binders	42	X	X	537 990	39	X	X	344 625
3231183116	Custom (including decorated) three-ring looseleaf binders	96	X	X	440 024	105	X	X	322 955
3231183121	Flexible prong, plastics channel, presentation, report, and brief cover binders	16	X	X	153 686	30	X	X	98 512
3231183126	Post binders	15	X	X	7 054	21	X	X	12 240
3231183131	All other binders, including rigid prong, post-and-sleeve, and ring other than three-ring	28	X	X	109 432	26	X	X	55 617
3231183136	Looseleaf devices and forms, including indexes, sheet protectors, looseleaf refills for time planners-organizers, photo albums, etc., metals, and looseleaf binder components and devices	76	X	X	225 957	73	X	X	174 018
3231183Y	Looseleaf binders, devices, and forms, nsk	N	X	X	164 221	N	X	X	N
3231183YVV	Looseleaf binders, devices, and forms, nsk	N	X	X	164 221	N	X	X	96 437

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		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
323118	Blankbooks and looseleaf binders and devices—Con.								
323118W	Blankbooks and looseleaf binders and devices, nsk, total	N	X	X	208 551	N	X	X	N
323118WY	Blankbook and looseleaf binder and device manufacturing, nsk, total	N	X	X	208 551	N	X	X	N
323118WYWW	Blankbook and looseleaf binder and device manufacturing, nsk, for nonadministrative-record establishments	N	X	X	131 705	N	X	X	N
323118WYWY	Blankbook and looseleaf binder and device manufacturing, nsk, for administrative-record establishments	N	X	X	76 846	N	X	X	N
323119	Other commercial printing	N	X	X	3 458 992	N	X	X	N
3231191	Magazine and periodical printing (letterpress)	N	X	X	25 590	N	X	X	62 372
32311911	Magazine and periodical printing (letterpress)	N	X	X	25 590	N	X	X	N
3231191100	Magazine and periodical printing (letterpress)	41	X	X	25 590	N	X	X	N
3231193	Label and wrapper printing (letterpress)	N	X	X	716 576	N	X	X	290 844
32311931	Label and wrapper printing (letterpress)	N	X	X	556 928	N	X	X	N
3231193111	Label printing (letterpress), custom and stock labels, including bordered, made of paper, flat (except pressure-sensitive)	23	X	X	22 204	21	X	X	27 656
3231193116	Label printing (letterpress), custom and stock labels, including bordered, made of paper, rolls (except pressure-sensitive)	18	X	X	38 323	8	X	X	20 286
3231193121	Label printing (letterpress), custom and stock labels, including bordered, made of paper, pressure-sensitive (self-adhesive), flat	13	X	X	14 338	23	X	X	23 641
3231193126	Label printing (letterpress), custom and stock labels, including bordered, made of paper, pressure-sensitive (self-adhesive), rolls	56	X	X	451 619	47	X	X	120 099
3231193131	Label printing (letterpress), custom and stock labels, including bordered, made of materials other than paper or cloth	11	X	X	15 983	10	X	X	23 630
3231193136	Printed rolls and sheets for packaging purposes (letterpress), made of paper (single-web)	5	X	X	D	12	X	X	N
3231193141	Printed rolls and sheets for packaging purposes (letterpress), made of materials other than paper or cloth, including multiweb structures	2	X	X	D	3	X	X	N
3231193Y	Label and wrapper printing (letterpress), nsk	N	X	X	159 648	N	X	X	N
3231193YWV	Label and wrapper printing (letterpress), nsk	N	X	X	159 648	N	X	X	47 120
3231195	Catalog and directory printing (letterpress)	N	X	X	31 895	N	X	X	90 186
32311951	Catalog and directory printing (letterpress)	N	X	X	31 895	N	X	X	N
3231195100	Catalog and directory printing (letterpress)	58	X	X	31 895	N	X	X	N
3231197	Financial and legal printing (letterpress)	N	X	X	26 497	N	X	X	75 211
32311971	Financial and legal printing (letterpress)	N	X	X	26 497	N	X	X	N
3231197100	Financial and legal printing (letterpress)	33	X	X	26 497	N	X	X	N
3231199	Advertising printing (letterpress)	N	X	X	244 225	N	X	X	332 103
32311991	Advertising printing (letterpress)	N	X	X	164 315	N	X	X	N
3231199111	Direct mail advertising printing (letterpress), including circulars, letters, pamphlets, cards, and printed envelopes	66	X	X	54 493	71	X	X	118 815
3231199116	Display advertising poster printing (letterpress), including outdoor advertising, car cards, window, etc.	29	X	X	18 026	18	X	X	17 000
3231199121	Counter, floor display, point-of-purchase, and other display advertising material printing (letterpress)	8	X	X	D	15	X	X	24 950
3231199126	Preprinted newspaper advertising insert printing (letterpress) (advertising supplements not regularly issued), rolls, including hi-fi and spectacolor	—	X	X	D	5	X	X	7 375

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		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
323119	Other commercial printing—Con.								
3231199	Advertising printing (letterpress)—Con.								
32311991	Advertising printing (letterpress)—Con.								
3231199131	Preprinted newspaper advertising insert printing (letterpress) (advertising supplements not regularly issued), sections (two pages or more)	—	X	X	—	6	X	X	6 368
3231199136	Shopping news printing (letterpress)	1	X	X	D	2	X	X	1 061
3231199141	Other advertising printing (letterpress), including brochures, pamphlets, book jackets, magazine inserts, circular folders, etc.	60	X	X	78 518	74	X	X	82 418
3231199Y	Advertising printing (letterpress), nsk	N	X	X	79 910	N	X	X	N
3231199YVV	Advertising printing (letterpress), nsk	N	X	X	79 910	N	X	X	74 116
323119B	Other general job printing (letterpress)	N	X	X	925 571	N	X	X	N
323119B1	Other general job printing (letterpress)	N	X	X	596 535	N	X	X	N
323119B111	Scientific and technical recording chart and chart paper printing (letterpress) (containing preprinted grids and scale markings)	5	X	X	D	8	X	X	22 421
323119B116	Newspaper printing (letterpress)	5	X	X	D	31	X	X	110 178
323119B121	Printed decalcomanias and pressure-sensitives (self-adhesive) (letterpress), including bumper stickers, etc., excluding labels	54	X	X	36 843	35	X	X	38 595
323119B126	Business card printing (letterpress)	27	X	X	16 654	28	X	X	21 443
323119B131	Other business form printing, nec (letterpress), excluding blankbooks and looseleaf forms	76	X	X	76 907	54	X	X	69 390
323119B136	Tag printing (letterpress), including embossed	26	X	X	53 574	35	X	X	66 613
323119B141	Ticket, coupon, and food and beverage check printing (letterpress), including transportation and amusement	22	X	X	49 332	19	X	X	34 915
323119B146	Calendar and calendar pad printing (letterpress)	12	X	X	46 200	11	X	X	29 173
323119B191	All other general commercial letterpress printing, nec, including customized stationery	152	X	X	265 284	N	X	X	N
323119BY	Other general job printing (letterpress), nsk	N	X	X	329 036	N	X	X	N
323119BYVV	Other general job printing (letterpress), nsk	N	X	X	329 036	N	X	X	N
323119E	Engraving (printing)	N	X	X	247 625	N	X	X	289 715
323119E1	Engraving (printing)	N	X	X	201 027	N	X	X	N
323119E111	Security engraving	4	X	X	D	2	X	X	N
323119E116	Social engraving	8	X	X	D	21	X	X	N
323119E121	Business card engraving	31	X	X	31 988	33	X	X	21 270
323119E126	Other commercial engraving	47	X	X	75 569	63	X	X	97 430
323119EY	Engraving (printing), nsk	N	X	X	46 598	N	X	X	N
323119EYVV	Engraving (printing), nsk	N	X	X	46 598	N	X	X	51 657
323119W	Other commercial printing, nsk, total	N	X	X	1 241 013	N	X	X	N
323119WY	Other commercial printing, nsk, total	N	X	X	1 241 013	N	X	X	N
323119WYWW	Other commercial printing, nsk, for nonadministrative-record establishments	N	X	X	917 105	N	X	X	N
323119WYWY	Other commercial printing, nsk, for administrative-record establishments	N	X	X	323 908	N	X	X	N
323121	Tradebinding and related work	N	X	X	1 915 223	N	X	X	1 311 656
3231211	Edition, library, and other hardcover bookbinding	N	X	X	294 603	N	X	X	249 628
32312111	Hardbound edition binding of elementary, high school, and college textbooks, and technical, scientific, business, and professional books (all grades)	17	X	X	11 038	25	X	X	26 001
3231211116	Hardbound edition binding of general consumer and trade books (including adult and juvenile trade books, book club, and direct mail books)	28	X	X	44 959	33	X	X	49 938
3231211121	Hardbound edition binding of all other books, nec, including religious and reference books	25	X	X	26 197	29	X	X	35 891

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
323121	Tradebinding and related work—Con.								
3231211	Edition, library, and other hardcover bookbinding—Con.								
32312112	Library binding, hard cover binding of periodicals and records, and other hard cover binding (except edition)	N	X	X	181 577	N	X	X	N
3231211226	Library binding, hard cover binding of periodicals and records, and other hard cover binding (except edition)	44	X	X	181 577	52	X	X	136 058
3231211Y	Edition, library, and other hardcover bookbinding, nsk	N	X	X	30 832	N	X	X	N
3231211YWV	Edition, library, and other hardcover bookbinding, nsk	N	X	X	30 832	N	X	X	1 740
3231213	Other book and pamphlet binding, and related binding and post-press work, nec	N	X	X	1 248 965	N	X	X	750 042
32312131	Soft cover adhesive binding of books (49 pages or more, exclusive of the covers)	N	X	X	97 959	N	X	X	N
3231213111	Soft cover adhesive binding of books (49 pages or more, exclusive of the covers)	105	X	X	97 959	97	X	X	86 623
32312132	Soft cover mechanical binding of books (49 pages or more, exclusive of the covers)	N	X	X	99 732	N	X	X	N
3231213216	Soft cover mechanical binding of books (49 pages or more, exclusive of the covers)	107	X	X	99 732	114	X	X	75 952
32312133	Pamphlet and other soft cover binding	N	X	X	157 318	N	X	X	N
3231213321	Pamphlet and other soft cover adhesive binding	61	X	X	40 291	58	X	X	34 346
3231213326	Pamphlet and other soft cover mechanical binding	166	X	X	117 027	174	X	X	112 565
32312134	Sample books, swatches, and cards (color, carpet, upholstery, drapery, etc.)	N	X	X	223 685	N	X	X	N
3231213431	Sample books, swatches, and cards (color, carpet, upholstery, drapery, etc.)	83	X	X	223 685	83	X	X	222 957
32312135	Receipts for miscellaneous binding and postpress work, including collating, perforating, folding, glueing, die-cutting, gold or foil stamping, etc.	N	X	X	571 327	N	X	X	N
3231213536	Receipts for miscellaneous binding and postpress work, including collating, perforating, folding, glueing, die-cutting, gold or foil stamping, etc.	407	X	X	571 327	175	X	X	145 496
3231213Y	Other book and pamphlet binding, and related binding and post-press work, nsk	N	X	X	98 944	N	X	X	N
3231213YWV	Other book and pamphlet binding, and related binding and post-press work, nsk	N	X	X	98 944	N	X	X	72 103
323121W	Tradebinding and related work, nsk, total	N	X	X	371 655	N	X	X	311 986
323121WY	Tradebinding and related work, nsk, total	N	X	X	371 655	N	X	X	N
323121WYWW	Tradebinding and related work, nsk, for nonadministrative-record establishments	N	X	X	297 123	N	X	X	266 280
323121WYWY	Tradebinding and related work, nsk, for administrative-record establishments	N	X	X	74 532	N	X	X	45 706
323122	Prepress services	N	X	X	5 165 549	N	X	X	N
3231221	Prepress services, except platemaking (including film, assembled flats, color separations, typesetting, imagesetting, etc.)	N	X	X	3 533 395	N	X	X	N
32312211	Prepress services, except platemaking (including film, assembled flats, color separations, typesetting, imagesetting, etc.)	N	X	X	3 533 395	N	X	X	N
3231221100	Prepress services, except platemaking (including film, assembled flats, color separations, typesetting, imagesetting, etc.)	1 821	X	X	3 533 395	N	X	X	N

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323122	Prepress services—Con.								
3231223	Printing plates, prepared for printing, excluding blank plates.....	N	X	X	721 759	N	X	X	N
32312231	Printing plates, prepared for printing, excluding blank plates.....	N	X	X	617 998	N	X	X	N
3231223106	Lithographic plates, prepared for printing, excluding blank plates.....	185	X	X	211 092	N	X	X	N
3231223111	Letterpress plates, prepared for printing, excluding blank plates.....	33	X	X	13 481	N	X	X	N
3231223116	Flexographic plates, natural and synthetic rubber, prepared for printing, excluding blank plates.....	70	X	X	86 774	80	X	X	76 377
3231223121	Flexographic plates, photopolymer, prepared for printing, excluding blank plates.....	118	X	X	177 312	120	X	X	133 069
3231223126	Gravure plates, prepared for printing, excluding blank plates.....	21	X	X	72 485	25	X	X	S
3231223191	Other printing plates prepared for printing, nec, excluding blank plates.....	45	X	X	56 854	N	X	X	N
3231223Y	Printing plates, prepared for printing, excluding blank plates, nsk.....	N	X	X	103 761	N	X	X	N
3231223YVV	Printing plates, prepared for printing, excluding blank plates, nsk.....	N	X	X	103 761	N	X	X	N
323122W	Prepress services, nsk, total.....	N	X	X	910 395	N	X	X	N
323122WY	Prepress services, nsk, total.....	N	X	X	910 395	N	X	X	N
323122WYWW	Prepress services, nsk, for nonadministrative-record establishments.....	N	X	X	694 625	N	X	X	N
323122WYWY	Prepress services, nsk, for administrative-record establishments.....	N	X	X	215 770	N	X	X	N
324110	Refined petroleum products.....	N	X	X	152 755 956	N	X	X	131 640 098
3241101	Gasoline, including finished base stocks and blending agents.....	N	X	X	77 557 632	N	X	X	70 094 648
32411011	Gasoline, including finished base stocks and blending agents.....	N	X	X	76 888 379	N	X	X	N
3241101111	Aviation gasoline (except jet fuel), including finished base stocks and blending agents..... mil bbl..	17	X	21.6	1 013 731	18	X	30.5	871 354
3241101121	Motor gasoline, including finished base stocks and blending agents..... mil bbl..	62	X	2 816.1	75 874 648	81	X	2 779.8	69 223 294
3241101Y	Gasoline, including finished base stocks and blending agents, nsk.....	N	X	X	669 253	N	X	X	N
3241101YVV	Gasoline, including finished base stocks and blending agents, nsk.....	N	X	X	669 253	N	X	X	—
3241104	Jet fuel.....	N	X	X	14 017 775	N	X	X	11 948 667
32411041	Jet fuel.....	N	X	X	13 835 166	N	X	X	N
3241104111	Jet fuel, naphtha-type..... mil bbl..	22	X	S	2 641 296	38	X	75.7	1 766 987
3241104121	Jet fuel, kerosene-type..... mil bbl..	47	X	470.4	11 193 870	43	X	438.7	10 181 680
3241104Y	Jet fuel, nsk.....	N	X	X	182 609	N	X	X	N
3241104YVV	Jet fuel, nsk.....	N	X	X	182 609	N	X	X	—
3241107	Kerosene, except jet fuel.....	N	X	X	960 019	N	X	X	923 616
32411071	Kerosene, except jet fuel.....	N	X	X	960 019	N	X	X	N
3241107100	Kerosene, except jet fuel..... mil bbl..	26	X	37.3	960 019	35	X	40.9	923 616
324110A	Light fuel oils.....	N	X	X	28 941 405	N	X	X	26 388 975
324110A1	Light fuel oils.....	N	X	X	28 643 819	N	X	X	N
324110A111	Distillate light fuel oil, including grades No. 1, 2, light diesel-type, light gas-enrichment oils, etc..... mil bbl..	70	X	1 142.9	27 377 088	86	X	1 143.9	25 873 803
324110A121	No. 4 type light fuel oil..... mil bbl..	14	X	959.5	1 266 731	21	X	25.6	515 172
324110AY	Light fuel oils, nsk.....	N	X	X	297 586	N	X	X	N
324110AYVV	Light fuel oils, nsk.....	N	X	X	297 586	N	X	X	—
324110D	Heavy fuel oils, including grades No. 5, 6, heavy diesel-type, heavy gas-enrichment oils, etc.....	N	X	X	4 295 288	N	X	X	4 710 865
324110D1	Heavy fuel oils, including grades No. 5, 6, heavy diesel-type, heavy gas-enrichment oils, etc.....	N	X	X	4 295 288	N	X	X	N
324110D100	Heavy fuel oils, including grades No. 5, 6, heavy diesel-type, heavy gas-enrichment oils, etc..... mil bbl..	57	X	262.6	4 295 288	69	X	342.2	4 710 865

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324110	Refined petroleum products—Con.								
324110G	Lubricating oils and greases, made in a refinery	N	X	X	704 035	N	X	X	1 446 280
324110G1	Lubricating oils and greases, made in a refinery	N	X	X	667 596	N	X	X	N
324110G111	Lubricating oils (including hydraulic fluids, quenching and cutting oils, transformer oils, liquid rust preventives, etc.), made in a refinery \$	16	X	P11.7	556 138	20	X	29.6	1 392 436
324110G121	Lubricating greases, made in a refinery \$	8	X	S	111 458	8	X	2.2	53 844
324110GY	Lubricating oils and greases, made in a refinery, nsk	N	X	X	36 439	N	X	X	N
324110GYWV	Lubricating oils and greases, made in a refinery, nsk	N	X	X	36 439	N	X	X	—
324110J	Unfinished oils and lubricating oil base stock	N	X	X	8 219 990	N	X	X	4 768 081
324110J1	Unfinished oils and lubricating oil base stock	N	X	X	7 826 566	N	X	X	N
324110J111	Unfinished oils, naphthenic and paraffinic	33	X	129.5	3 298 305	29	X	74.7	1 432 010
324110J121	Naphtha and other unfinished oils for use as petrochemical feedstocks, excluding carbon black	29	X	65.2	2 161 763	29	X	51.9	1 184 866
324110J131	Carbon black feedstock (unfinished oils)	14	X	S	154 226	17	X	19.0	224 255
324110J141	Lubricating oil petroleum-base bright stock	11	X	9.3	358 447	14	X	4.6	186 545
324110J151	Lubricating oil petroleum-base neutral stock	16	X	32.1	1 212 715	18	X	25.8	1 031 997
324110J161	Lubricating oil petroleum-base red and pale oils	10	X	P4.6	184 531	9	X	2.4	100 840
324110J171	Other lubricating oil petroleum-base stocks	14	X	15.7	456 579	15	X	22.8	606 986
324110JY	Unfinished oils and lubricating oil base stock, nsk	N	X	X	393 424	N	X	X	N
324110JYWV	Unfinished oils and lubricating oil base stock, nsk	N	X	X	393 424	N	X	X	582
324110M	Asphalt	N	X	X	3 320 500	N	X	X	1 975 500
324110M1	Asphalt	N	X	X	2 954 739	N	X	X	N
324110M111	Paving grade asphalts	51	X	P140.0	2 463 004	48	X	106.3	1 536 894
324110M121	Roofing grade asphalts	22	X	10.5	222 233	26	X	15.9	248 841
324110M131	Miscellaneous asphalts, nec	20	X	15.0	269 502	20	X	11.0	181 576
324110MY	Asphalt, nsk	N	X	X	365 761	N	X	X	N
324110MYWV	Asphalt, nsk	N	X	X	365 761	N	X	X	8 189
324110P	Liquefied refinery gases, including other aliphatics (feed stock and other uses), made in a refinery	N	X	X	8 157 277	N	X	X	5 315 892
324110P1	Liquefied refinery gases, including other aliphatics (feed stock and other uses), made in a refinery	N	X	X	8 110 982	N	X	X	N
324110P111	Liquefied refinery gases (including other aliphatics), made in a refinery, for use as a chemical raw material (including synthetic rubber components) \$	34	X	X	4 526 761	39	X	X	2 990 925
324110P121	Liquefied refinery gases (including other aliphatics), made in a refinery, produced for other uses \$	29	X	X	3 584 221	32	X	X	2 324 967
324110PY	Liquefied refinery gases including other aliphatics (feed stock and other uses), made in a refinery, nsk	N	X	X	46 295	N	X	X	N
324110PYWV	Liquefied refinery gases including other aliphatics (feed stock and other uses), made in a refinery, nsk	N	X	X	46 295	N	X	X	—
324110T	Other finished petroleum products, including waxes	N	X	X	5 091 239	N	X	X	3 978 444
324110T1	Other finished petroleum products, including waxes	N	X	X	4 941 721	N	X	X	N
324110T111	Petrolatum	8	X	S	86 098	10	X	4.8	183 695
324110T121	Petroleum coke	23	X	S	661 878	18	X	301.1	266 307
324110T131	Calcined petroleum coke, made in a refinery	8	X	S	264 381	12	X	3 378.5	150 932
324110T141	Road oil, made in a refinery	4	X	S	13 046	6	X	.8	14 910
324110T151	Still gas (refinery gas)	5	X	S	137 467	8	X	53.5	93 677
324110T161	Special petroleum naphthas	7	X	3.3	120 197	9	X	7.2	183 726
324110T171	Aromatics (benzene, toluene, xylene, etc.), made in a refinery, for use as a chemical raw material \$	17	X	X	2 082 146	20	X	X	1 901 450
324110T181	Aromatics (benzene, toluene, xylene, etc.), made in a refinery, for other uses \$	7	X	X	254 442	8	X	X	407 501
324110T191	Microcrystalline petroleum waxes, made in a refinery \$	7	X	11.9	113 417	10	X	S	91 216

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
324110	Refined petroleum products—Con.								
324110T	Other finished petroleum products, including waxes—Con.								
324110T1	Other finished petroleum products, including waxes—Con.								
324110T1A1	Fully refined crystalline petroleum waxes, made in a refinery \$ mil bbl. .	13	X	4.2	273 867	9	X	3.4	181 712
324110T1B1	Other crystalline petroleum waxes, made in a refinery \$ mil bbl. .	10	X	S	41 082	7	X	.9	38 225
324110T1C1	Other finished petroleum products, made in a refinery mil bbl. .	24	X	37.2	893 700	24	X	19.3	465 093
324110TY	Other finished petroleum products, including waxes, nsk	N	X	X	149 518	N	X	X	N
324110TYWV	Other finished petroleum products, including waxes, nsk	N	X	X	149 518	N	X	X	—
324110W	Petroleum refineries, nsk, total	N	X	X	1 490 796	N	X	X	89 130
324110WY	Petroleum refineries, nsk, total	N	X	X	1 490 796	N	X	X	N
324110WYWW	Petroleum refineries, nsk, for nonadministrative-record establishments	N	X	X	1 490 796	N	X	X	88 611
324110WYWY	Petroleum refineries, nsk, for administrative-record establishments	N	X	X	—	N	X	X	—
324121	Asphalt paving mixtures and blocks	N	X	X	5 561 898	N	X	X	3 652 483
3241210	Asphalt paving mixtures and blocks	N	X	X	5 561 898	N	X	X	3 652 483
32412101	Asphalt paving mixtures and blocks	N	X	X	4 275 524	N	X	X	N
3241210111	Emulsified asphalt, including liquid additives	83	X	X	790 945	71	X	X	486 753
3241210121	Other liquid asphalt and tar paving materials, including cut-backs	39	X	X	390 519	40	X	X	296 348
3241210131	Asphalt and tar paving mixtures (except liquid), including bituminous or asphaltic concrete, and asphaltic paving cements	313	X	X	3 020 060	357	X	X	2 177 264
3241210141	Other asphalt paving mixtures	18	X	X	74 000	19	X	X	47 749
3241210Y	Asphalt paving mixtures and blocks, nsk	N	X	X	1 286 374	N	X	X	N
3241210YWW	Asphalt paving mixtures and blocks, nsk, for nonadministrative-record establishments	N	X	X	1 058 996	N	X	X	604 177
3241210YWY	Asphalt paving mixtures and blocks, nsk, for administrative-record establishments	N	X	X	227 378	N	X	X	39 673
324122	Asphalt shingles and coating materials	N	X	X	4 724 254	N	X	X	3 631 215
3241221	Roofing asphalts and pitches, coatings, and cements	N	X	X	857 622	N	X	X	543 852
32412211	Roofing asphalt	N	X	X	456 517	N	X	X	N
3241221111	Roofing asphalt 1,000 s tons. .	22	X	2 033.8	456 517	13	X	357.9	194 499
32412212	Fibrated and nonfibrated asphaltic roofing coatings	N	X	X	167 379	N	X	X	N
3241221221	Fibrated asphaltic roofing coatings mil gal. .	13	X	S	105 569	25	X	49.2	107 724
3241221231	Nonfibrated asphaltic roofing coatings mil gal. .	11	X	S	61 810	19	X	115.6	92 133
32412213	Other roofing asphalts, pitches, coatings, and cements	N	X	X	210 558	N	X	X	N
3241221341	Asphaltic roofing cements	12	X	X	56 139	19	X	X	43 411
3241221351	Other roofing asphalts and pitches, coatings, and cements, including coal tar base coatings, cements, and roofing pitch	22	X	X	154 419	26	X	X	98 699
3241221Y	Roofing asphalts and pitches, coatings, and cements, nsk	N	X	X	23 168	N	X	X	N
3241221YWV	Roofing asphalts and pitches, coatings, and cements, nsk	N	X	X	23 168	N	X	X	7 386
3241222	Prepared asphalt and tar roofing and siding products, including saturated felts and boards for nonbuilding use	N	X	X	3 588 157	N	X	X	2 928 057
32412221	Asphalt smooth-surfaced roll roofing and cap sheets, organic and fiberglass base	N	X	X	243 658	N	X	X	N
3241222121	Asphalt smooth-surfaced roll roofing and cap sheets, organic base mil sales sq. .	11	X	S	88 586	14	X	17.8	95 041
3241222131	Asphalt smooth-surfaced roll roofing and cap sheets, fiberglass base mil sales sq. .	10	X	S	155 072	16	X	48.9	256 190
32412222	Asphalt mineral-surfaced roll roofing and cap sheets, organic and fiberglass base	N	X	X	163 691	N	X	X	N
3241222241	Asphalt mineral-surfaced roll roofing and cap sheets, organic base mil sales sq. .	9	X	S	62 443	12	X	10.0	73 399
3241222251	Asphalt mineral-surfaced roll roofing and cap sheets, fiberglass base mil sales sq. .	13	X	S	101 248	12	X	8.2	124 906

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324122	Asphalt shingles and coating materials—Con.								
3241222	Prepared asphalt and tar roofing and siding products, including saturated felts and boards for nonbuilding use—Con.								
32412223	Asphalt strip shingles, organic base (excluding laminated), all weights	N	X	X	301 708	N	X	X	N
3241222361	Asphalt strip shingles, organic base (excluding laminated), 235 to 240 lb-sales sq. mil sales sq. .	7	X	P6.0	115 960	8	X	6.9	124 301
3241222371	Asphalt strip shingles, organic base (excluding laminated), all other weights	7	X	S	185 748	5	X	7.1	138 672
32412224	Asphalt strip shingles, inorganic base (excluding laminated), 215 to 235 lb-sales sq.	N	X	X	587 203	N	X	X	N
3241222481	Asphalt strip shingles, inorganic base (excluding laminated), 215 to 235 lb-sales sq. mil sales sq. .	13	X	Q32.7	587 203	15	X	105.0	468 236
32412225	Asphalt strip shingles, inorganic base (excluding laminated), all other weights	N	X	X	610 722	N	X	X	N
3241222591	Asphalt strip shingles, inorganic base (excluding laminated), all other weights	10	X	Q34.2	610 722	12	X	48.1	741 869
32412226	Laminated or multilayered asphalt strip shingles and individual shingles	N	X	X	882 986	N	X	X	N
32412226A1	Laminated or multilayered asphalt strip shingles, organic or inorganic base	15	X	D	D	10	X	17.2	498 541
32412226B1	Asphalt and tar individual shingles, organic or inorganic base, all styles	4	X	D	D	8	X	3.8	38 198
32412227	Other prepared asphalt and tar products for roofing and siding	N	X	X	770 906	N	X	X	N
3241222711	Asphalt and tar saturated felts and boards for nonbuilding use	1	X	X	D	7	X	X	19 248
32412227C1	Modified bitumen membranes, styrene butadiene styrene (SBS)	10	X	5.2	144 853	N	X	X	N
32412227D1	Modified bitumen membranes, atactic polypropylene (APP)	10	X	4.0	107 512	N	X	X	N
32412227E1	Saturated asphalt and tar building ply felts, organic base	5	X	X	46 228	9	X	X	77 267
32412227F1	Saturated asphalt and tar building ply felts, fiberglass base	9	X	X	D	8	X	X	50 503
32412227G1	Other saturated asphalt and tar building felts, organic base	12	X	X	171 231	9	X	X	72 052
32412227H1	Other saturated asphalt and tar building felts, fiberglass base	6	X	X	58 580	4	X	X	11 866
32412227J1	Other prepared asphalt and tar products for roofing and siding	20	X	X	170 355	N	X	X	N
3241222Y	Prepared asphalt and tar roofing and siding products, including saturated felts and boards for nonbuilding use, nsk	N	X	X	27 283	N	X	X	N
3241222YWV	Prepared asphalt and tar roofing and siding products, including saturated felts and boards for nonbuilding use, nsk	N	X	X	27 283	N	X	X	10 324
324122W	Asphalt shingles and coating materials, nsk, total	N	X	X	278 475	N	X	X	159 306
324122WY	Asphalt shingles and coating materials, nsk	N	X	X	278 475	N	X	X	N
324122WYWW	Asphalt shingles and coating materials, nsk, for nonadministrative-record establishments	N	X	X	168 863	N	X	X	135 755
324122WYWY	Asphalt shingles and coating materials, nsk, for administrative-record establishments	N	X	X	109 612	N	X	X	23 032
324191	Petroleum lubricating oils and greases.....	N	X	X	5 991 493	N	X	X	4 914 724
3241910	Lubricating oils and greases, not made in a refinery	N	X	X	5 991 493	N	X	X	4 914 724
32419101	Petroleum lubricating oils and greases, not made in a refinery	N	X	X	4 960 840	N	X	X	N
3241910111	Lubricating oils (including hydraulic fluids, quenching and cutting oils, transformer oils, liquid rust preventives, etc.), not made in a refinery \$	157	X	Q50.6	4 563 073	224	X	P42.2	4 082 801
3241910121	Lubricating greases, not made in a refinery \$	48	X	S	397 767	68	X	2.5	383 891

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NAICS product code	Product	1997				1992			
		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
324191	Petroleum lubricating oils and greases—Con.								
3241910	Lubricating oils and greases, not made in a refinery—Con.								
3241910Y	Petroleum lubricating oils and greases, not made in a refinery, nsk.....	N	X	X	1 030 653	N	X	X	N
3241910YWW	Petroleum lubricating oils and greases, not made in a refinery, nsk, for nonadministrative-record establishments.....	N	X	X	558 816	N	X	X	414 690
3241910YWY	Petroleum lubricating oils and greases, not made in a refinery, nsk, for administrative-record establishments.....	N	X	X	471 837	N	X	X	32 823
324199	All other petroleum and coal products.....	N	X	X	1 632 114	N	X	X	N
3241991	Coke oven and blast furnace products, not made in steel mills.....	N	X	X	450 235	N	X	X	N
32419911	Coke oven and blast furnace products, not made in steel mills.....	N	X	X	450 235	N	X	X	N
3241991111	Coke oven products not made in steel mills, coke, except screenings and breeze \$.....1,000 s tons..	7	3 208.8	3 244.2	411 766	N	N	N	N
3241991121	Coke oven products not made in steel mills, screenings and breeze \$.....1,000 s tons..	4	325.3	255.6	13 958	N	N	N	N
3241991131	Coke oven products not made in steel mills, crude tar \$.....mil gal..	5	29.4	29.5	16 779	N	N	N	N
3241991141	Coke oven products not made in steel mills, crude light oil \$.....mil gal..	4	8.7	8.8	5 146	N	N	N	N
3241991151	Coke oven products not made in steel mills, other (including tar derivatives, ammonia, light oil derivations, and coke oven gas) \$.....	5	X	X	2 586	N	X	X	N
3241991Y	Coke oven and blast furnace products, not made in steel mills, nsk.....	N	X	X	—	N	X	X	N
3241991YWV	Coke oven and blast furnace products, not made in steel mills, nsk.....	N	X	X	—	N	X	X	N
3241992	All other petroleum and coal products, except coke oven products.....	N	X	X	1 083 135	N	X	X	N
32419921	Calcined petroleum coke, not made in a refinery.....	N	X	X	762 010	N	X	X	N
3241992131	Calcined petroleum coke, not made in a refinery.....1,000 s tons..	11	X	120.4	762 010	9	X	4 043.5	440 754
32419922	All other petroleum and coal products, including packaged fuel, fuel briquettes, not made in a refinery.....	N	X	X	321 125	N	X	X	N
3241992211	Microcrystalline petroleum waxes, not made in a refinery \$.....mil bbl..	5	X	S	37 568	13	X	50.1	100 939
3241992221	Crystalline petroleum waxes, not made in a refinery \$.....mil bbl..	5	X	S	29 764	10	X	4.5	55 142
3241992241	All other petroleum and coal products, including packaged fuel and fuel briquettes, and petroleum pitches, not made in a refinery.....1,000 s tons..	17	X	S	253 793	26	X	13.1	152 529
3241992Y	All other petroleum and coal products, except coke oven products, nsk.....	N	X	X	—	N	X	X	N
3241992YWV	All other petroleum and coal products, except coke oven products, nsk.....	N	X	X	—	N	X	X	N
324199W	All other petroleum and coal products, nsk, total.....	N	X	X	98 744	N	X	X	N
324199WY	All other petroleum and coal products, nsk, total.....	N	X	X	98 744	N	X	X	N
324199WYWW	All other petroleum and coal products manufacturing, nsk, for nonadministrative-record establishments.....	N	X	X	81 237	N	X	X	N
324199WYWY	All other petroleum and coal products manufacturing, nsk, for administrative-record establishments.....	N	X	X	17 507	N	X	X	N
325110	Petrochemicals.....	N	X	X	17 349 259	N	X	X	N
3251101	Aromatics (benzene, toluene, xylene, etc.), not made in a refinery.....	N	X	X	4 526 855	N	X	X	1 965 095
32511011	Aromatics (benzene, toluene, etc.), not made in a refinery.....	N	X	X	4 371 009	N	X	X	N
3251101111	Aromatics (benzene, toluene, xylene, etc.), not made in a refinery, for use as a chemical raw material \$.....	28	X	X	3 894 159	20	X	X	1 723 173
3251101121	Aromatics (benzene, toluene, xylene, etc.), not made in a refinery, for other uses \$.....	11	X	X	476 850	9	X	X	241 922

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
325110	Petrochemicals—Con.								
3251101	Aromatics (benzene, toluene, xylene, etc.), not made in a refinery—Con.								
3251101Y	Aromatics (benzene, toluene, xylene, etc.), not made in a refinery, nsk.....	N	X	X	155 846	N	X	X	N
3251101YWW	Aromatics (benzene, toluene, xylene, etc.), not made in a refinery, nsk.....	N	X	X	155 846	N	X	X	—
3251104	Liquefied refinery gases (aliphatics), not made in a refinery.....	N	X	X	12 616 055	N	X	X	8 317 067
32511041	Liquefied refinery gases (aliphatics), not made in a refinery.....	N	X	X	12 518 721	N	X	X	N
3251104111	Liquefied refinery gases (aliphatics), not made in a refinery, for use as a chemical raw material \$.....	28	X	X	10 874 937	30	X	X	6 717 439
3251104121	Liquefied refinery gases (aliphatics), not made in a refinery, produced for other uses \$.....	9	X	X	1 643 784	18	X	X	1 592 799
3251104Y	Liquefied refinery gases (aliphatics), not made in a refinery, nsk.....	N	X	X	97 334	N	X	X	N
3251104YWW	Liquefied refinery gases (aliphatics), not made in a refinery, nsk.....	N	X	X	97 334	N	X	X	6 829
325110W	Petrochemicals nsk, total.....	N	X	X	206 349	N	X	X	N
325110WY	Petrochemicals nsk, total.....	N	X	X	206 349	N	X	X	N
325110WYWW	Petrochemicals nsk, for nonadministrative-record establishments.....	N	X	X	189 458	N	X	X	N
325110WYWY	Petrochemicals nsk, for administrative-record establishments.....	N	X	X	16 891	N	X	X	N
325120	Industrial gases.....	N	X	X	5 239 133	N	X	X	N
3251201	Acetylene @.....	N	X	X	139 751	N	X	X	130 204
32512010	Acetylene.....	N	X	X	139 751	N	X	X	N
3251201000	Acetylene.....	24	X	X	139 751	39	X	X	130 204
3251204	Carbon dioxide @.....	N	X	X	363 123	N	X	X	323 098
32512040	Carbon dioxide.....	N	X	X	363 123	N	X	X	N
3251204000	Carbon dioxide.....	34	X	X	363 123	44	X	X	323 098
3251207	Nitrogen @.....	N	X	X	1 198 873	N	X	X	949 515
32512070	Nitrogen.....	N	X	X	1 198 873	N	X	X	N
3251207000	Nitrogen.....	22	X	X	1 198 873	22	X	X	949 515
325120A	Oxygen @.....	N	X	X	993 637	N	X	X	771 554
325120A0	Oxygen.....	N	X	X	993 637	N	X	X	N
325120A000	Oxygen.....	18	X	X	993 637	23	X	X	771 554
325120D	Other industrial gases, including argon, hydrogen, helium, and carbon monoxide @.....	N	X	X	2 209 923	N	X	X	N
325120D0	Other industrial gases, including argon, hydrogen, helium, and carbon monoxide.....	N	X	X	2 209 923	N	X	X	N
325120D000	Other industrial gases, including argon, hydrogen, helium, and carbon monoxide.....	53	X	X	2 209 923	N	X	X	N
325120W	Industrial gases, nsk, total.....	N	X	X	333 826	N	X	X	N
325120WY	Industrial gases, nsk, total.....	N	X	X	333 826	N	X	X	N
325120WYWW	Industrial gases, nsk, for nonadministrative-record establishments.....	N	X	X	245 573	N	X	X	N
325120WYWY	Industrial gases, nsk, for administrative-record establishments.....	N	X	X	88 253	N	X	X	N
325131	Inorganic pigments.....	N	X	X	3 909 940	N	X	X	N
3251311	Titanium dioxide, composite and pure @.....	N	X	X	2 499 187	N	X	X	2 316 198
32513110	Titanium dioxide, composite and pure.....	N	X	X	2 499 187	N	X	X	N
3251311000	Titanium dioxide, composite and pure.....	5	X	X	2 499 187	5	X	X	2 316 198
3251314	Other white opaque pigments.....	N	X	X	363 246	N	X	X	303 584
32513141	Other white opaque pigments.....	N	X	X	363 246	N	X	X	N
3251314111	Zinc oxide pigments..... 1,000 s tons..	7	X	112.7	146 045	9	X	114.7	146 336
3251314121	Titanium pigment preparations..... 1,000 s tons..	5	X	S	84 264	8	X	5.3	43 200
3251314131	All other inorganic white opaque pigments..... 1,000 s tons..	6	X	S	132 937	9	X	292.2	113 962
3251314Y	Other white opaque pigments, nsk.....	N	X	X	—	N	X	X	N
3251314YWW	Other white opaque pigments, nsk.....	N	X	X	—	N	X	X	86

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
325131	Inorganic pigments—Con.								
3251317	Chrome colors and other inorganic pigments @	N	X	X	932 639	N	X	X	N
32513171	Chrome colors	N	X	X	117 062	N	X	X	N
3251317110	Chrome colors	9	X	X	117 062	12	X	X	110 628
32513172	Iron oxide pigments	N	X	X	331 457	N	X	X	N
3251317211	Iron oxide pigments	16	X	X	331 457	19	X	X	283 588
32513173	White extender pigments, including barytes, blanc fixe, and whiting; ceramic color pigments; and all other inorganic pigments	N	X	X	484 120	N	X	X	N
3251317311	White extender pigments, including barytes, blanc fixe, and whiting	3	X	D	D	8	X	S	122 474
3251317321	Ceramic color pigments	5	X	D	D	5	X	S	99 101
3251317331	All other inorganic pigments, nec	15	X	X	295 275	N	X	X	N
3251317Y	Chrome colors and other inorganic pigments, nsk	N	X	X	—	N	X	X	N
3251317YV	Chrome colors and other inorganic pigments, nsk	N	X	X	—	N	X	X	N
325131W	Inorganic pigments, nsk, total	N	X	X	114 868	N	X	X	N
325131WY	Inorganic pigments, nsk, total	N	X	X	114 868	N	X	X	N
325131WYV	Inorganic pigments, nsk, for nonadministrative-record establishments	N	X	X	79 524	N	X	X	N
325131WYVY	Inorganic pigments, nsk, for administrative-record establishments	N	X	X	35 344	N	X	X	N
325132	Organic dyes and pigments	N	X	X	2 746 542	N	X	X	N
3251321	Synthetic organic dyes	N	X	X	1 060 777	N	X	X	1 341 651
32513211	Synthetic organic dyes	N	X	X	1 060 777	N	X	X	N
3251321100	Synthetic organic dyes	52	X	X	1 060 777	53	X	X	1 341 651
3251324	Synthetic organic pigments, lakes, and toners	N	X	X	1 623 765	N	X	X	1 246 025
32513241	Synthetic organic pigments, lakes, and toners	N	X	X	1 623 765	N	X	X	N
3251324100	Synthetic organic pigments, lakes, and toners	52	X	X	1 623 765	47	X	X	1 246 025
325132W	Organic dyes and pigments, nsk, total	N	X	X	62 000	N	X	X	N
325132WY	Organic dyes and pigments, nsk, total	N	X	X	62 000	N	X	X	N
325132WYV	Organic dyes and pigments, nsk, for nonadministrative-record establishments	N	X	X	9 487	N	X	X	N
325132WYVY	Organic dyes and pigments, nsk, for administrative-record establishments	N	X	X	52 513	N	X	X	N
325181	Alkalies and chlorine	N	X	X	3 081 950	N	X	X	2 789 754
3251811	Chlorine, compressed or liquefied @	N	X	X	1 223 456	N	X	X	198 397
32518110	Chlorine, compressed or liquefied	N	X	X	1 223 456	N	X	X	N
3251811000	Chlorine, compressed or liquefied	17	X	X	1 223 456	16	X	X	198 397
3251814	Sodium hydroxide (caustic soda) @	N	X	X	1 446 405	N	X	X	2 206 609
32518140	Sodium hydroxide (caustic soda)	N	X	X	1 446 405	N	X	X	N
3251814000	Sodium hydroxide (caustic soda)	29	X	X	1 446 405	25	X	X	2 206 609
3251817	Alkalies other than chlorine and sodium hydroxide @	N	X	X	389 286	N	X	X	365 383
32518170	Alkalies other than chlorine and sodium hydroxide	N	X	X	389 286	N	X	X	N
3251817000	Alkalies other than chlorine and sodium hydroxide	15	X	X	389 286	17	X	X	365 383
325181W	Alkalies and chlorine, nsk, total	N	X	X	22 803	N	X	X	19 365
325181WY	Alkalies and chlorine, nsk, total	N	X	X	22 803	N	X	X	N
325181WYV	Alkalies and chlorine, nsk, for nonadministrative-record establishments	N	X	X	104	N	X	X	17 235
325181WYVY	Alkalies and chlorine, nsk, for administrative-record establishments	N	X	X	22 699	N	X	X	2 130
325182	Carbon black	N	X	X	948 421	N	X	X	N
3251820	Carbon black, all processes	N	X	X	948 421	N	X	X	N
32518201	Carbon black, all processes	N	X	X	948 421	N	X	X	N
3251820100	Carbon black, all processes	13	X	P3 798.1	948 421	N	X	N	N
3251820Y	Carbon black, nsk	N	X	X	—	N	X	X	N
3251820YV	Carbon black, (all processes) nsk, for nonadministrative-record establishments	N	X	X	—	N	X	X	N
3251820YVY	Carbon black, nsk, for administrative-record establishments	N	X	X	—	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
325188	All other basic inorganic chemicals	N	X	X	15 441 829	N	X	X	N
3251881	Sulfuric acid, gross (new and fortified) @	N	X	X	610 418	N	X	X	548 952
32518810	Sulfuric acid, gross (new and fortified)	N	X	X	610 418	N	X	X	N
3251881000	Sulfuric acid, gross (new and fortified)	40	X	X	610 418	46	X	X	548 952
3251884	Inorganic acids, except nitric, sulfuric, and phosphoric @	N	X	X	726 727	N	X	X	537 790
32518840	Inorganic acids, except nitric, sulfuric, and phosphoric	N	X	X	726 727	N	X	X	N
3251884000	Inorganic acids, except nitric, sulfuric, and phosphoric	43	X	X	726 727	51	X	X	537 790
3251887	Other inorganic aluminum compounds @	N	X	X	780 781	N	X	X	601 514
32518870	Other inorganic aluminum compounds	N	X	X	780 781	N	X	X	N
3251887000	Other inorganic aluminum compounds	38	X	X	780 781	46	X	X	601 514
325188A	Inorganic potassium and sodium compounds, except alkalis, alums, and bleaches @	N	X	X	2 134 630	N	X	X	1 921 942
325188A0	Inorganic potassium and sodium compounds, except alkalis, alums, and bleaches	N	X	X	2 134 630	N	X	X	N
325188A000	Inorganic potassium and sodium compounds, except alkalis, alums, and bleaches	81	X	X	2 134 630	75	X	X	1 921 942
325188D	Chemical catalytic preparations (excluding silica gel catalyst) @	N	X	X	1 857 513	N	X	X	1 358 191
325188D0	Chemical catalytic preparations (excluding silica gel catalyst)	N	X	X	1 857 513	N	X	X	N
325188D000	Chemical catalytic preparations (excluding silica gel catalyst)	33	X	X	1 857 513	34	X	X	1 358 191
325188G	All other inorganic chemicals, nec (including nuclear fuel, titanium tetrachloride, other titanium compounds, and carbon bisulfide (disulfide)) @	N	X	X	8 664 520	N	X	X	N
325188G0	All other inorganic chemicals, nec (including nuclear fuel, titanium tetrachloride, other titanium compounds, and carbon bisulfide (disulfide))	N	X	X	8 664 520	N	X	X	N
325188G000	All other inorganic chemicals, nec (including nuclear fuel, titanium tetrachloride, other titanium compounds, and carbon bisulfide (disulfide))	238	X	X	8 664 520	N	X	X	N
325188W	Inorganic chemicals, nsk, total	N	X	X	667 240	N	X	X	N
325188WY	Inorganic chemicals, nsk, total	N	X	X	667 240	N	X	X	N
325188WYWW	Inorganic chemicals, nsk, for nonadministrative-record establishments	N	X	X	529 572	N	X	X	N
325188WYWY	Inorganic chemicals, nsk, for administrative-record establishments	N	X	X	137 668	N	X	X	N
325191	Gum and wood chemicals	N	X	X	967 439	N	X	X	796 223
3251910	Gum and wood chemicals, including wood distillation products	N	X	X	967 439	N	X	X	796 223
32519101	Gum and wood chemicals, including wood distillation products	N	X	X	621 818	N	X	X	N
3251910111	Hardwood charcoal and charcoal briquets, including blends with lignite or other materials	8	X	S	356 393	14	X	S	404 963
3251910121	Tall oil, crude	24	X	2 750.6	265 425	24	X	1 697.9	115 313
32519102	Other gum and wood chemicals, including gum naval stores, natural tanning and dyeing materials, tannic acid, etc., refined tall oil and tall oil rosin	N	X	X	310 066	N	X	X	N
3251910231	Refined tall oil (containing less than 90 percent free fatty acids, including tall oil resins, other than tall oil rosin)	9	X	523.4	50 661	7	X	122.0	14 806
3251910241	Rosin and other tall oil derivatives, including rosin acid salts (except tall oil fatty acids)	3	X	X	20 338	N	X	X	N
3251910291	Other gum and wood chems, incl. gum naval stores, nat. tanning and dyeing materials, tannic acid, nat. acetic acid, methanol, softwood charcoal, veg. pitches, wood tar and tar oil, pine oil, etc.	14	X	X	239 067	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
325191	Gum and wood chemicals—Con.								
3251910	Gum and wood chemicals, including wood distillation products—Con.								
3251910Y 3251910YWW	Gum and wood chemicals, nsk, for nonadministrative-record establishments	N	X	X	35 555	N	X	X	N
3251910YWY	Gum and wood chemicals, nsk, for administrative-record establishments	N	X	X	16 672	N	X	X	38 667
		N	X	X	18 883	N	X	X	6 554
325192	Cyclic crudes and intermediates	N	X	X	9 815 911	N	X	X	N
3251921	Cyclic (coal tar) intermediates	N	X	X	8 905 865	N	X	X	7 679 909
32519211 3251921100	Cyclic (coal tar) intermediates	N 54	X X	X X	8 905 865 8 905 865	N 72	X X	X X	N 7 679 909
3251924	Tar, tar crudes, and tar pitches	N	X	X	877 303	N	X	X	493 173
32519241 3251924100	Tar, tar crudes, and tar pitches	N 12	X X	X X	877 303 877 303	N 15	X X	X X	N 493 173
325192W	Cyclic crudes and intermediates, nsk, total	N	X	X	32 743	N	X	X	N
325192WY 325192WYWW	Cyclic crudes and intermediates, nsk, total	N	X	X	32 743	N	X	X	N
325192WYWY	Cyclic crudes and intermediates, nsk, for nonadministrative-record establishments	N	X	X	18 533	N	X	X	N
	Cyclic crudes and intermediates, nsk, for administrative-record establishments	N	X	X	14 210	N	X	X	N
325193	Ethyl alcohol	N	X	X	2 266 624	N	X	X	N
3251930	Ethyl alcohol	N	X	X	2 266 624	N	X	X	N
32519301 3251930111	Ethyl alcohol, manufactured by the wet mill process, fuel ethanol (fuel-grade ethyl alcohol)	N	X	X	1 077 492	N	X	X	N
	Fuel ethanol (fuel-grade ethyl alcohol), manufactured by the wet mill process	10	X	X	1 077 492	10	X	X	860 134
32519302 3251930211	Ethyl alcohol, manufactured by the wet mill process, pure or other denatured (special or complete)	N	X	X	233 408	N	X	X	N
	Pure (natural) (proof gal basis) ethyl alcohol, manufactured by the wet mill process	7	X	X	146 931	5	X	X	62 550
3251930221	Other denatured (special or complete) ethyl alcohol, including natural and synthetic, for uses other than rubbing, manufactured by the wet mill process	5	X	X	86 477	5	X	X	105 266
32519303 3251930311	Ethyl alcohol, manufactured by other processes (dry mill-distillation), fuel ethanol	N	X	X	468 086	N	X	X	N
	Fuel ethanol, manufactured by other processes (dry mill-distillation)	16	X	X	468 086	8	X	X	216 172
32519304 3251930411	Ethyl alcohol, manufactured by other processes (dry mill-distillation), pure (natural) (proof gal basis)	N	X	X	215 861	N	X	X	N
	Pure (natural) ethyl alcohol, manufactured by other processes (dry mill-distillation), (proof gal basis)	7	X	X	215 861	7	X	X	104 077
32519305 3251930511	Other denatured (special or complete) ethyl alcohol, incl natural and synthetic, for uses other than rubbing, manufactured by other processes (dry mill-distillation)	N	X	X	240 936	N	X	X	N
	Other denatured (special or complete) ethyl alcohol, incl natural and synthetic, for uses other than rubbing, manufactured by other processes (dry mill-distillation)	8	X	X	240 936	9	X	X	85 161
3251930Y 3251930YWW	Ethyl alcohol, nsk, for nonadministrative-record establishments	N	X	X	30 841	N	X	X	N
3251930YWY	Ethyl alcohol, nsk, for administrative-record establishments	N	X	X	3 398	N	X	X	N
		N	X	X	27 443	N	X	X	N

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		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
325199	All other basic organic chemicals	N	X	X	46 038 498	N	X	X	N
3251991	Fatty acids	N	X	X	1 169 380	N	X	X	N
32519911	Fatty acids (produced for sale as such)	N	X	X	1 153 352	N	X	X	N
3251991111	Saturated stearic fatty acids (40 to 50 percent stearic content)	3	X	D	D	7	X	318.6	110 137
3251991121	Saturated hydrogenated animal and vegetable fatty acids	4	X	S	110 759	6	X	214.7	52 979
3251991131	Other saturated fatty acids, including hydrogenated fish and marine mammal fatty acids	6	X	D	D	7	X	497.3	172 162
3251991141	Unsaturated oleic fatty acids, including white oleic acid and red oil	2	X	D	D	5	X	139.4	59 365
3251991151	Other unsaturated fatty acids	4	X	P136.7	16 210	3	X	D	D
3251991161	Tall oil fatty acids containing less than 2 percent rosin acids and more than 95 percent fatty acids	9	X	S	95 491	6	X	933.4	60 414
3251991171	Tall oil fatty acids containing 2 percent or more rosin acids	5	X	P217.4	44 117	4	X	D	D
3251991181	Fatty acid esters	8	X	X	D	N	X	X	N
3251991Y	Fatty acids (produced for sale as such), nsk	N	X	X	16 028	N	X	X	N
3251991YWV	Fatty acids (produced for sale as such), nsk	N	X	X	16 028	N	X	X	N
3251994	Bulk pesticides and other bulk synthetic organic agricultural chemicals, except preparations	N	X	X	1 203 403	N	X	X	1 243 141
32519941	Bulk pesticides and other bulk synthetic organic agricultural chemicals, except preparations	N	X	X	1 203 403	N	X	X	N
3251994100	Bulk pesticides and other bulk synthetic organic agricultural chemicals, except preparations	40	X	X	1 203 403	42	X	X	1 243 141
3251997	Industrial organic flavor oil mixtures and blends	N	X	X	278 832	N	X	X	N
32519971	Industrial organic flavor oil mixtures and blends	N	X	X	278 832	N	X	X	N
3251997100	Industrial organic flavor oil mixtures and blends	12	X	X	278 832	14	X	X	205 050
325199A	Reagent and high purity grades of organic chemicals refined from purchased technical grades	N	X	X	382 027	N	X	X	N
325199A1	Reagent and high purity grades of organic chemicals refined from purchased technical grades	N	X	X	382 027	N	X	X	N
325199A100	Reagent and high purity grades of organic chemicals refined from purchased technical grades	8	X	X	382 027	13	X	X	344 390
325199E	Natural organic chemicals, nec	N	X	X	959 621	N	X	X	N
325199E1	Natural organic chemicals, including derivatives of fatty substances, except plasticizers	N	X	X	896 298	N	X	X	N
325199E111	Natural organic chemical derivatives of fatty substances, incl salts, alcohols, and esters, except plasticizers and surface active agents	18	X	X	437 072	20	X	X	302 132
325199E121	Other natural organic chemicals, nec	15	X	X	459 226	27	X	X	355 935
325199EY	Other industrial organic chemicals, nsk	N	X	X	63 323	N	X	X	N
325199EYWV	Other industrial organic chemicals, nsk	N	X	X	63 323	N	X	X	13 062
325199H	Synthetic organic chemicals for use as flavor and perfume materials	N	X	X	1 615 421	N	X	X	N
325199H1	Synthetic organic chemicals, for use as flavor and perfume materials, mixed and unmixed	N	X	X	1 579 829	N	X	X	N
325199H111	Synthetic organic chemical compounds for use as flavor and perfume materials, unmixed	30	X	X	1 147 817	27	X	X	1 556 812
325199H121	Synthetic organic chemical compounds for use as flavor and perfume materials, mixed	17	X	X	432 012	17	X	X	270 969
325199HY	Synthetic organic chemicals, nec, nsk	N	X	X	35 592	N	X	X	N
325199HYWV	Synthetic organic chemicals, nec, nsk	N	X	X	35 592	N	X	X	N
325199K	Synthetic organic rubber-processing chemicals	N	X	X	614 776	N	X	X	N
325199K1	Synthetic organic rubber-processing chemicals	N	X	X	614 776	N	X	X	N
325199K100	Synthetic organic rubber-processing chemicals	22	X	X	614 776	22	X	X	623 632

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
325199	All other basic organic chemicals—Con.								
325199N	Synthetic organic plasticizers	N	X	X	958 211	N	X	X	N
325199N1	Synthetic organic plasticizers	N	X	X	958 211	N	X	X	N
325199N100	Synthetic organic plasticizers	34	X	X	958 211	42	X	X	915 817
325199R	Other synthetic organic chemicals, nec	N	X	X	2 079 609	N	X	X	N
325199R1	Other synthetic organic chemicals, nec	N	X	X	2 079 609	N	X	X	N
325199R100	Other synthetic organic chemicals, nec	64	X	X	2 079 609	N	X	X	N
325199T	Miscellaneous end-use chemicals and chemical products (excluding urea), and other industrial organic chemicals, nec	N	X	X	12 025 380	N	X	X	N
325199T1	Miscellaneous end-use chemicals and chemical products (excluding urea), and other industrial organic chemicals, nec	N	X	X	12 025 380	N	X	X	N
325199T100	Miscellaneous end-use chemicals and chemical products (excluding urea), and other industrial organic chemicals, nec	239	X	X	12 025 380	N	X	X	N
325199U	Miscellaneous cyclic and acyclic chemicals and chemical products, except fluorocarbon gases, carbon bisulfide (disulfide), and fatty acid esters	N	X	X	22 770 981	N	X	X	N
325199U1	Miscellaneous cyclic and acyclic chemicals and chemical products, except fluorocarbon gases, carbon bisulfide (disulfide), and fatty acid esters	N	X	X	22 770 981	N	X	X	N
325199U100	Miscellaneous cyclic and acyclic chemicals and chemical products, except fluorocarbon gases, carbon bisulfide (disulfide), and fatty acid esters	148	X	X	22 770 981	N	X	X	N
325199W	All other basic organic chemicals, nsk, total	N	X	X	1 980 857	N	X	X	N
325199WY	All other basic organic chemicals, nsk, total	N	X	X	1 980 857	N	X	X	N
325199WYWW	All other basic organic chemicals, nec, nsk, for nonadministrative-record establishments	N	X	X	1 803 968	N	X	X	N
325199WYWY	All other basic organic chemicals, nec, nsk, for administrative-record establishments	N	X	X	176 889	N	X	X	N
325211	Plastics materials and resins	N	X	X	45 833 316	N	X	X	33 299 260
3252111	Thermoplastics resins and plastics materials	N	X	X	36 589 561	N	X	X	27 559 787
32521111	Thermoplastics resins and plastics materials	N	X	X	36 589 561	N	X	X	N
3252111100	Thermoplastics resins and plastics materials	256	X	X	36 589 561	203	X	X	27 559 787
3252114	Thermosetting resins and plastics materials	N	X	X	8 722 920	N	X	X	5 564 478
32521141	Thermosetting resins and plastics materials	N	X	X	8 722 920	N	X	X	N
3252114100	Thermosetting resins and plastics materials	152	X	X	8 722 920	128	X	X	5 564 478
325211W	Plastics materials and resins, nsk, total	N	X	X	520 835	N	X	X	174 995
325211WY	Plastics materials and resins, nsk, for nonadministrative-record establishments	N	X	X	520 835	N	X	X	174 995
325211WYWW	Plastics materials and resins, nsk, for administrative-record establishments	N	X	X	—	N	X	X	—
325212	Synthetic rubber (vulcanizable elastomers)	N	X	X	6 249 385	N	X	X	4 318 104
3252120	Synthetic rubber	N	X	X	6 249 385	N	X	X	4 318 104
32521201	Styrene-butadiene rubber (SBR), except latex	N	X	X	1 090 752	N	X	X	N
3252120111	Styrene-butadiene rubber (SBR), except latex	7	X	2 546.0	1 090 752	9	X	2 011.0	725 462
32521202	Styrene-butadiene rubber (SBR), latex	N	X	X	477 767	N	X	X	N
3252120211	Styrene-butadiene rubber (SBR), latex	8	X	267.2	477 767	8	X	764.7	374 494

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325212	Synthetic rubber (vulcanizable elastomers)—Con.								
3252120	Synthetic rubber—Con.								
32521203	Butyl, polychloroprene, and stereo polyisoprene elastomers, and nitrile rubber, including latex	N	X	X	1 116 279	N	X	X	N
3252120311	Nitrile rubber, including latex	10	X	320.3	322 523	8	X	241.9	181 102
3252120321	Butyl, polychloroprene, and stereo polyisoprene elastomers, including latex	8	X	805.9	793 756	7	X	663.8	635 850
32521204	Stereo polybutadiene elastomers, including latex	N	X	X	469 844	N	X	X	N
3252120411	Stereo polybutadiene elastomers, including latex	4	X	1 045.0	469 844	7	X	1 112.1	392 916
32521205	Ethylene-propylene elastomers, including latex	N	X	X	639 560	N	X	X	N
3252120511	Ethylene-propylene elastomers, including latex	11	X	806.1	639 560	13	X	701.1	606 036
32521206	Silicone elastomers	N	X	X	700 350	N	X	X	N
3252120611	Silicone elastomers	16	X	S	700 350	13	X	104.6	448 164
32521207	Other synthetic rubber (vulcanizable elastomers), except thermoplastics elastomers, including latex	N	X	X	492 811	N	X	X	N
3252120711	Other synthetic rubber (vulcanizable elastomers), except thermoplastics elastomers, including latex	14	X	199.8	492 811	12	X	147.9	303 496
32521208	Thermoplastics elastomers	N	X	X	962 329	N	X	X	N
3252120811	Thermoplastics elastomers	12	X	732.9	962 329	10	X	397.1	576 928
3252120Y	Synthetic rubber (vulcanizable elastomers), nsk	N	X	X	299 693	N	X	X	N
3252120YWW	Synthetic rubber (vulcanizable elastomers), nsk, for nonadministrative-record establishments	N	X	X	186 315	N	X	X	58 471
3252120YWY	Synthetic rubber (vulcanizable elastomers), nsk, for administrative-record establishments	N	X	X	113 378	N	X	X	15 185
325221	Manufactured cellulosic fibers	N	X	X	1 728 274	N	X	X	1 692 408
3252210	Rayon, acetate, and lyocell manufactured fibers	N	X	X	1 728 274	N	X	X	1 692 408
32522101	Rayon and acetate manufactured fibers	N	X	X	1 728 274	N	X	X	N
3252210111	Rayon, acetate, and lyocell monofilament yarn, including strip	1	X	D	D	2	X	N	N
3252210121	Rayon, acetate, and lyocell group (multi) filament yarn, including strip	2	X	D	D	3	X	N	N
3252210131	Producer textured rayon, acetate, and lyocell yarn, including strip \$	—	X	—	—	N	X	N	N
3252210141	Rayon, acetate, and lyocell staple, tow, and salable waste	4	X	D	D	5	X	N	N
3252210Y	Manufactured cellulosic fibers, nsk	N	X	X	—	N	X	X	N
3252210YWW	Manufactured cellulosic fibers, nsk, for nonadministrative-record establishments	N	X	X	—	N	X	X	—
3252210YWY	Manufactured cellulosic fibers, nsk, for administrative-record establishments	N	X	X	—	N	X	X	—
325222	Manufactured noncellulosic fibers	N	X	X	10 341 933	N	X	X	9 231 352
3252221	Nylon and other polyamide fibers	N	X	X	3 376 082	N	X	X	2 255 892
32522211	Nylon and other polyamide fibers	N	X	X	3 376 082	N	X	X	N
3252221111	Industrial nylon and other polyamide fiber yarns, including strip	7	X	363.1	1 389 604	7	X	N	N
3252221121	Nylon and other polyamide fiber carpet yarns, including strip	6	X	385.5	544 983	4	X	N	N
3252221131	Nylon and other polyamide fiber monofilament and fewofilament textile yarns, including strip	9	X	211.2	462 483	9	X	N	N
3252221141	Nylon and other polyamide fiber staple	4	X	D	D	5	X	D	D
3252221151	Nylon and other polyamide fiber tow and waste	2	X	D	D	5	X	D	D
3252221Y	Nylon and other polyamide fibers, nsk	N	X	X	—	N	X	X	N
3252221YWW	Nylon and other polyamide fibers, nsk	N	X	X	—	N	X	X	—

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
325222	Manufactured noncellulosic fibers—Con.								
3252224	Polyolefin fibers	N	X	X	185 982	N	X	X	226 600
32522241	Polyolefin fibers	N	X	X	185 982	N	X	X	N
325222411	Polyolefin monofilament yarn, including strip mil lb..	8	X	^P 52.6	67 000	6	X	S	35 133
3252224121	Polyolefin group (multi) filament yarn, including strip mil lb..	4	X	D	D	4	X	40.5	48 284
3252224131	Polyolefin film yarn, including strip mil lb..	1	X	D	D	1	X	D	D
3252224141	Polyolefin staple mil lb..	2	X	D	D	2	X	D	D
3252224151	Polyolefin tow and waste mil lb..	—	X	D	D	1	X	D	D
3252224Y	Polyolefin, nsk	N	X	X	—	N	X	X	N
3252224YVV	Polyolefin, nsk	N	X	X	—	N	X	X	—
3252227	Polyester fibers	N	X	X	3 343 156	N	X	X	3 298 850
32522271	Industrial polyester yarn, including strip	N	X	X	766 315	N	X	X	N
3252227111	Industrial polyester yarn, including strip mil lb..	7	X	^q 637.5	766 315	9	X	456.5	678 015
32522272	Polyester textile yarn, including strip	N	X	X	1 515 102	N	X	X	N
3252227211	Polyester textile yarn, including strip mil lb..	11	X	1 540.7	1 515 102	7	X	1 040.9	1 001 546
32522273	Polyester fiberfill staple and tow	N	X	X	473 043	N	X	X	N
3252227311	Polyester fiberfill staple and tow mil lb..	7	X	831.6	473 043	6	X	1 241.5	897 685
32522274	Other polyester staple and tow and polyester fiber salable waste	N	X	X	588 696	N	X	X	N
3252227411	Other polyester staple and tow mil lb..	6	X	891.6	578 556	9	X	884.4	698 229
3252227421	Polyester fiber salable waste mil lb..	4	X	91.3	10 140	11	X	89.9	23 375
3252227Y	Polyester, nsk	N	X	X	—	N	X	X	N
3252227YVV	Polyester, nsk	N	X	X	—	N	X	X	—
325222A	Other manufactured noncellulosic fibers (except glass, carbon, and graphite)	N	X	X	1 029 313	N	X	X	942 975
325222A1	Other manufactured noncellulosic fibers (except glass, carbon, and graphite)	N	X	X	1 023 143	N	X	X	N
325222A111	Other manufactured noncellulosic fibers monofilament yarn, including strip (except glass, carbon, and graphite) mil lb..	9	X	D	D	9	X	D	D
325222A121	Other manufactured noncellulosic fibers group (multi) filament yarn, including strip (except glass, carbon, and graphite) mil lb..	2	X	D	D	4	X	D	D
325222A131	Other manufactured noncellulosic fibers staple, tow, and salable waste (except glass, carbon, and graphite) mil lb..	8	X	S	464 291	5	X	462.7	412 704
325222AY	Other manufactured noncellulosic fibers (except glass, carbon, and graphite), nsk	N	X	X	6 170	N	X	X	N
325222AYVV	Other manufactured noncellulosic fibers (except glass, carbon, and graphite), nsk	N	X	X	6 170	N	X	X	—
325222D	Producer textured manufactured noncellulosic fibers	N	X	X	2 378 653	N	X	X	2 503 645
325222D1	Nylon and other polyamide producer textured fibers	N	X	X	1 583 520	N	X	X	N
325222D111	Nylon and other polyamide producer textured fibers \$ mil lb..	5	X	1 181.5	1 583 520	6	X	1 210.5	1 955 180
325222D2	Polyester, polyolefin, and other manufactured noncellulosic producer textured fibers	N	X	X	795 133	N	X	X	N
325222D211	Polyester producer textured fibers \$ mil lb..	4	X	D	D	2	X	D	D
325222D221	Polyolefin producer textured fibers \$ mil lb..	4	X	^q 610.4	666 784	5	X	375.7	454 324
325222D231	Other manufactured noncellulosic producer textured fibers \$ mil lb..	2	X	D	D	4	X	D	D
325222DY	Producer textured manufactured noncellulosic fibers, nsk	N	X	X	—	N	X	X	N
325222DYVV	Producer textured manufactured noncellulosic fibers, nsk	N	X	X	—	N	X	X	—
325222W	Manufactured noncellulosic organic fibers, nsk, total	N	X	X	28 747	N	X	X	3 390
325222WY	Manufactured noncellulosic organic fibers, nsk, total	N	X	X	28 747	N	X	X	N
325222WYWW	Manufactured noncellulosic organic fibers, nsk, for nonadministrative-record establishments	N	X	X	14 563	N	X	X	3 390
325222WYWY	Manufactured noncellulosic organic fibers, nsk, for administrative-record establishments	N	X	X	14 184	N	X	X	—

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
325311	Nitrogenous fertilizers	N	X	X	4 507 914	N	X	X	3 589 014
3253111	Synthetic ammonia, nitric acid, and ammonium compounds @	N	X	X	3 511 869	N	X	X	2 691 397
32531110	Synthetic ammonia, nitric acid, and ammonium compounds	N	X	X	3 511 869	N	X	X	N
3253111000	Synthetic ammonia, nitric acid, and ammonium compounds	64	X	X	3 511 869	72	X	X	2 691 397
3253114	Urea @	N	X	X	784 792	N	X	X	708 809
32531140	Urea	N	X	X	784 792	N	X	X	N
3253114000	Urea	21	X	X	784 792	23	X	X	708 809
3253117	Nitrogenous fertilizer materials of organic origin, including activated sewage sludge, processed tankage, etc.	N	X	X	70 394	N	X	X	155 477
32531171	Nitrogenous fertilizer materials of organic origin, including activated sewage sludge, processed tankage, etc.	N	X	X	70 394	N	X	X	N
3253117100	Nitrogenous fertilizer materials of organic origin, including activated sewage sludge, processed tankage, etc. 1,000 s tons..	25	X	S	70 394	31	X	S	155 477
325311W	Nitrogenous fertilizers, nsk, total	N	X	X	140 859	N	X	X	33 331
325311WY	Nitrogenous fertilizers, nsk, total	N	X	X	140 859	N	X	X	N
325311WYWW	Nitrogenous fertilizers, nsk, for nonadministrative-record establishments	N	X	X	51 069	N	X	X	16 838
325311WYWY	Nitrogenous fertilizers, nsk, for administrative-record establishments	N	X	X	89 790	N	X	X	16 493
325312	Phosphatic fertilizers	N	X	X	5 362 239	N	X	X	3 928 621
3253121	Phosphoric acid @	N	X	X	1 309 336	N	X	X	1 143 955
32531210	Phosphoric acid	N	X	X	1 309 336	N	X	X	N
3253121000	Phosphoric acid	15	X	X	1 309 336	21	X	X	1 143 955
3253124	Superphosphate and other phosphatic fertilizer materials @	N	X	X	3 614 889	N	X	X	2 534 061
32531240	Superphosphate and other phosphatic fertilizer materials	N	X	X	3 614 889	N	X	X	N
3253124000	Superphosphate and other phosphatic fertilizer materials	20	X	X	3 614 889	28	X	X	2 534 061
3253127	Mixed fertilizers, made by plants which manufacture fertilizer materials	N	X	X	399 212	N	X	X	232 413
32531271	Mixed fertilizers, made by plants which manufacture fertilizer materials	N	X	X	391 278	N	X	X	N
3253127111	Mixed fertilizers, in packages, tablets, and similar forms of a gross weight not exceeding 10 kg (22 lb), made by plants which manufacture fertilizer materials \$	5	X	D	D	3	X	D	D
3253127121	Mixed fertilizers, dry, shipped in bulk, made by plants which manufacture fertilizer materials \$	10	X	D	D	8	X	D	D
3253127131	Mixed fertilizers, dry, shipped in bags of a gross weight of 10 kg (22 lb) or more, made by plants which manufacture fertilizer materials \$	9	X	P254.4	74 974	10	X	444.3	88 303
3253127141	Mixed fertilizers, liquid, shipped in bulk or in packages of a gross weight of 10 kg (22 lb) or more, made by plants which manufacture fertilizer materials \$	11	X	1 348.9	119 702	10	X	S	42 727
3253127Y	Mixed fertilizers, nsk	N	X	X	7 934	N	X	X	N
3253127YVW	Mixed fertilizers, nsk	N	X	X	7 934	N	X	X	3 849
325312W	Phosphatic fertilizers, nsk, total	N	X	X	38 802	N	X	X	18 192
325312WY	Phosphatic fertilizers, nsk, total	N	X	X	38 802	N	X	X	N
325312WYWW	Phosphatic fertilizers, nsk, for nonadministrative-record establishments	N	X	X	7 664	N	X	X	13 417
325312WYWY	Phosphatic fertilizers, nsk, for administrative-record establishments	N	X	X	31 138	N	X	X	4 775
325314	Fertilizers, mixing only	N	X	X	2 926 500	N	X	X	1 903 528

Table 1. **Products Statistics: 1997 and 1992—Con.**

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
325314	Fertilizers, mixing only—Con.								
3253140	Mixed fertilizers, made by plants which do not manufacture fertilizer materials	N	X	X	2 926 500	N	X	X	1 903 528
32531401	Fertilizers, mixing only, dry	N	X	X	2 161 736	N	X	X	N
3253140111	Mixed fertilizers, in packages, tablets, and similar forms of a gross weight not exceeding 10 kg (22 lb), made by plants which do not manufacture fertilizer material \$	24	X	P1 455.8	478 726	27	X	D	D
3253140121	Mixed fertilizers, dry, shipped in bulk, made by plants which do not manufacture fertilizer materials \$	68	X	Q2 845.3	632 322	92	X	D	D
3253140131	Mixed fertilizers, dry, shipped in bags of a gross weight of 10 kg (22 lb) or more, made by plants which do not manufacture fertilizer materials \$	60	X	P2 719.6	709 149	87	X	S	553 470
3253140141	Potting soils (mixed with fertilizers and/or other chemicals)	25	X	1 021.2	221 490	N	X	X	N
3253140151	Compost (mixed with chemicals, etc., for decay control)	12	X	842.5	49 881	N	X	X	N
3253140161	Plant foods, mixed	13	X	83.8	70 168	N	X	X	N
32531402	Fertilizers, mixing only, liquid	N	X	X	294 950	N	X	X	N
3253140241	Mixed fertilizers, liquid, shipped in bulk or in packages of a gross weight of 10 kg (22 lb) or more, made by plants which do not manufacture fertilizer materials \$	67	X	P2 733.7	294 950	77	X	P1 916.3	277 891
3253140Y	Fertilizers, mixing only, nsk	N	X	X	469 814	N	X	X	N
3253140YWW	Fertilizers, mixing only, nsk, for nonadministrative-record establishments	N	X	X	329 749	N	X	X	N
3253140YWY	Fertilizers, mixing only, nsk, for administrative-record establishments	N	X	X	140 065	N	X	X	30 773
325320	Pesticides and other agricultural chemicals	N	X	X	11 067 289	N	X	X	8 224 866
3253201	Agricultural and commercial pesticides and chemicals	N	X	X	9 244 512	N	X	X	N
32532011	Agricultural and commercial insecticides, carbamate preparations	N	X	X	436 615	N	X	X	N
3253201111	Agricultural and commercial insecticides, carbamate preparations	10	X	Q135.8	436 615	N	X	N	N
32532014	Agricultural and commercial insecticides, organo-phosphate preparations	N	X	X	235 424	N	X	X	N
3253201413	Agricultural and commercial insecticides, organo-phosphate preparations	20	X	P69.2	235 424	N	X	N	N
32532017	Agricultural and commercial insecticides, triazine preparations	N	X	X	924 493	N	X	X	N
3253201725	Agricultural and commercial insecticides, triazine preparations	7	X	213.2	924 493	N	X	N	N
3253201A	All other agricultural and commercial pesticides and chemicals	N	X	X	6 798 070	N	X	X	N
3253201A15	Agricultural and commercial biological (botanical, bacterial, etc.) preparations	10	X	7.4	98 988	N	X	N	N
3253201A17	All other agricultural and commercial insecticides	33	X	S	513 192	N	X	N	N
3253201A21	Agricultural and commercial phenoxy compounds preparations	14	X	S	488 850	N	X	N	N
3253201A23	Agricultural and commercial urea preparations	5	X	15.1	269 210	N	X	N	N
3253201A27	Agricultural and commercial benzoic preparations	—	X	—	—	N	X	N	N
3253201A29	All other agricultural and commercial herbicides	26	X	S	3 725 864	N	X	N	N
3253201A41	Agricultural and commercial fumigants, soil	6	X	113.2	88 206	N	X	N	N
3253201A43	All other agricultural and commercial fumigants, including space, excluding household	1	X	D	D	N	X	N	N
3253201A45	Agricultural and commercial defoliants and desiccants	3	X	D	D	N	X	N	N
3253201A47	All other pesticides and chemicals, nec, primarily for agricultural and commercial use	31	X	X	1 497 297	N	X	X	N
3253201D	Agricultural and commercial fungicides, inorganic or organic compounds	N	X	X	562 631	N	X	X	N
3253201D31	Agricultural and commercial fungicides, inorganic compounds	6	X	43.5	111 003	N	X	N	N
3253201D33	Agricultural and commercial fungicides, organic compounds	13	X	734.7	451 628	N	X	N	N
3253201Y	Agricultural and commercial pesticides and chemicals, nsk	N	X	X	287 279	N	X	X	N
3253201YWW	Agricultural and commercial pesticides and chemicals, nsk	N	X	X	287 279	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
325320	Pesticides and other agricultural chemicals—Con.								
3253204	Lawn and garden pesticides and chemicals	N	X	X	360 784	N	X	X	N
32532041	Lawn and garden pesticides and chemicals	N	X	X	288 392	N	X	X	N
3253204111	Lawn and garden carbamate preparations mil lb..	8	X	7.2	16 808	N	X	N	N
3253204113	Lawn and garden organo-phosphate preparations mil lb..	9	X	18.0	34 487	N	X	N	N
3253204115	Lawn and garden biological (botanical, bacterial, etc.) preparations mil lb..	3	X	.9	1 500	N	X	N	N
3253204117	All other lawn and garden insecticides mil lb..	8	X	7.8	12 821	N	X	N	N
3253204121	Lawn and garden phenoxy compound preparations mil lb..	7	X	27.3	39 983	N	X	N	N
3253204123	Lawn and garden urea preparations mil lb..	1	X	D	D	N	X	N	N
3253204125	Lawn and garden triazine preparations mil lb..	1	X	D	D	N	X	N	N
3253204127	Lawn and garden benzoic preparations mil lb..	—	X	—	—	N	X	N	N
3253204129	All other lawn and garden herbicides mil lb..	8	X	D	D	N	X	N	N
3253204131	Lawn and garden fungicides, inorganic compounds mil lb..	6	X	D	D	N	X	N	N
3253204133	Lawn and garden fungicides, organic compounds mil lb..	7	X	4.6	22 173	N	X	N	N
3253204141	Lawn and garden soil fumigants mil lb..	1	X	D	D	N	X	N	N
3253204143	All other lawn and garden fumigants including space, excluding household mil lb..	—	X	—	—	N	X	N	N
3253204145	Lawn and garden defoliants and desiccants mil lb..	1	X	D	D	N	X	N	N
3253204147	All other lawn and garden pesticides and chemicals, nec mil lb..	10	X	D	D	N	X	N	N
3253204Y	Lawn and garden pesticides and chemicals, nsk	N	X	X	72 392	N	X	X	N
3253204YVV	Lawn and garden pesticides and chemicals, nsk	N	X	X	72 392	N	X	X	N
3253207	Household and institutional pesticides and chemicals	N	X	X	1 142 047	N	X	X	874 342
32532071	Household and institutional pesticides and chemicals	N	X	X	1 127 287	N	X	X	N
3253207111	Household and institutional pesticides and chemicals, flying insect (excluding fumigants), aerosol	16	X	X	D	15	X	X	84 382
3253207113	Household and institutional pesticides and chemicals, flying insect (excluding fumigants), nonaerosol	5	X	X	23 476	6	X	X	D
3253207121	Household and institutional pesticides and chemicals, crawling insect, aerosol	16	X	X	D	21	X	X	268 765
3253207123	Household and institutional pesticides and chemicals, crawling insect, nonaerosol	19	X	X	260 771	28	X	X	146 709
3253207125	Household and institutional pesticides and chemicals, crawling insect, total release insect foggers	3	X	X	1 590	N	X	X	N
3253207131	Household and institutional pesticides and chemicals, flea and tick insecticides, aerosol	4	X	X	3 427	N	X	X	N
3253207133	Household and institutional pesticides and chemicals, flea and tick insecticides, nonaerosol	9	X	X	D	N	X	X	N
3253207135	Household and institutional pesticides and chemicals, flea and tick insecticides, pet collars	3	X	X	D	N	X	X	N
3253207137	Household and institutional pesticides and chemicals, flea and tick insecticides, all other flea and tick insecticides	9	X	X	36 498	N	X	X	N
3253207141	Household and institutional pesticides and chemicals, personal insect repellents, aerosols	3	X	X	D	N	X	X	N
3253207143	Household and institutional pesticides and chemicals, personal insect repellents, liquids	3	X	X	D	N	X	X	N
3253207145	Household and institutional pesticides and chemicals, all other personal insect repellents	4	X	X	D	N	X	X	N
3253207151	Household and institutional pesticides and chemicals, moth controls	2	X	X	D	N	X	X	N
3253207155	Household and institutional pesticides and chemicals, rodenticides	7	X	X	50 902	12	X	X	50 986

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
325320	Pesticides and other agricultural chemicals—Con.								
3253207	Household and institutional pesticides and chemicals—Con.								
32532071	Household and institutional pesticides and chemicals—Con.								
3253207157	Household and institutional pesticides and chemicals, repellents and attractants for birds, insects, fish, and other animals, except for human use	13	X	X	18 091	11	X	X	22 180
3253207159	All other household and institutional pesticides, nec	8	X	X	41 229	N	X	X	N
3253207Y	Household and institutional pesticides and chemicals, nsk	N	X	X	14 760	N	X	X	N
3253207YVV	Household and institutional pesticides and chemicals, nsk	N	X	X	14 760	N	X	X	11 291
325320W	Pesticide and other agricultural chemical manufacturing, nec, nsk, total	N	X	X	319 946	N	X	X	279 245
325320WY	Pesticide and other agricultural chemical manufacturing, nec, nsk, total	N	X	X	319 946	N	X	X	N
325320WYWW	Pesticide and other agricultural chemical manufacturing, nec, nsk, for nonadministrative-record establishments	N	X	X	160 809	N	X	X	259 488
325320WYWY	Pesticide and other agricultural chemical manufacturing, nec, nsk, for administrative-record establishments	N	X	X	159 137	N	X	X	19 757
325411	Medicinals and botanicals	N	X	X	10 985 383	N	X	X	7 002 054
3254111	Synthetic organic medicinal chemicals, in bulk	N	X	X	8 249 161	N	X	X	5 774 867
32541111	Synthetic organic antibiotics, including all uses (veterinary, food supplements, food preservation, etc.), except preparations	N	X	X	D	N	X	X	N
3254111111	Synthetic organic antibiotics, including all uses (veterinary, food supplements, food preservation, etc.), except preparations	21	X	X	D	23	X	X	3 169 555
32541112	Other synthetic organic medicinal chemicals, except antibiotics	N	X	X	D	N	X	X	N
3254111221	Other synthetic organic medicinal chemicals, except antibiotics	159	X	X	D	54	X	X	2 523 880
3254111Y	Synthetic organic medicinal chemicals, in bulk, nsk	N	X	X	67 133	N	X	X	N
3254111YVV	Synthetic organic medicinal chemicals, in bulk, nsk	N	X	X	67 133	N	X	X	81 432
3254114	Other medicinal chemicals and botanical products, in bulk, nec (including naturally occurring vitamins, hormones, drugs, and artificial mixtures)	N	X	X	2 625 474	N	X	X	1 129 122
32541141	Botanical alkaloid drugs, other botanical drugs, naturally occurring vitamins, drugs of animal origin, and artificial mixtures of two or more medical or botanical substances	N	X	X	1 880 581	N	X	X	N
3254114111	Botanical drugs, alkaloids, including opium and nicotine	7	X	X	111 513	7	X	X	18 833
3254114121	Other botanical drugs, including glycosides and ginseng extract	21	X	X	292 608	10	X	X	81 739
3254114131	Naturally occurring vitamin C	24	X	X	107 787	16	X	X	63 453
3254114141	Naturally occurring vitamin E	25	X	X	481 795	12	X	X	145 575
3254114151	Medicinals and botanicals, other medicinal and botanical products, in bulk, nec, naturally occurring vitamins, other naturally occurring vitamins (from yeast, fish, liver, etc.)	28	X	X	208 919	12	X	X	66 938
3254114161	Medicinals and botanicals, other medicinal and botanical products, in bulk, nec, drugs of animal origin, including hormones, dried glands, organs, and tissues and extractions thereof	11	X	X	116 693	6	X	X	36 465
3254114171	Medicinals and botanicals, other medicinal and botanical products, in bulk, nec, artificial mixtures of two medicinal or botanical substances or more for therapeutic or prophylactic uses	13	X	X	561 266	12	X	X	254 257
32541142	Medicinals and botanicals, other medicinal and botanical products, in bulk, nec, other organic and inorganic medicinal chemicals, except diagnostics	N	X	X	698 057	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
325411	Medicinals and botanicals—Con.								
3254114	Other medicinal chemicals and botanical products, in bulk, nec (including naturally occurring vitamins, hormones, drugs, and artificial mixtures)—Con.								
32541142	Medicinals and botanicals, other medicinal and botanical products, in bulk, nec, other organic and inorganic medicinal chemicals, except diagnostics—Con.								
3254114291	Medicinals and botanicals, other medicinal and botanical products, in bulk, nec, other organic and inorganic medicinal chemicals, except diagnostics	41	X	X	698 057	33	X	X	413 630
3254114Y	Medicinals and botanicals, other medicinal chemicals and botanical products, in bulk, nec, nsk	N	X	X	46 836	N	X	X	N
3254114YVV	Medicinals and botanicals, other medicinal chemicals and botanical products, in bulk, nec, nsk	N	X	X	46 836	N	X	X	48 232
325411W	Medicinals and botanicals, nsk, total	N	X	X	110 748	N	X	X	98 065
325411WY	Medicinals and botanicals, nsk, total	N	X	X	110 748	N	X	X	N
325411WYWW	Medicinals and botanicals, nsk, for nonadministrative-record establishments	N	X	X	86 312	N	X	X	62 585
325411WYWY	Medicinals and botanicals, nsk, for administrative-record establishments	N	X	X	24 436	N	X	X	35 480
325412	Pharmaceutical preparations	N	X	X	59 215 525	N	X	X	N
3254121	Pharmaceutical preparations, affecting neoplasms, the endocrine system, and metabolic diseases, for human use @	N	X	X	4 821 511	N	X	X	3 532 915
32541210	Pharmaceutical preparations, affecting neoplasms, the endocrine system, and metabolic diseases, for human use	N	X	X	4 821 511	N	X	X	N
3254121000	Pharmaceutical preparations, affecting neoplasms, the endocrine system, and metabolic diseases, for human use	68	X	X	4 821 511	70	X	X	3 532 915
3254124	Pharmaceutical preparations, acting on the central nervous system and the sense organs, for human use, excluding diagnostics @	N	X	X	11 808 739	N	X	X	8 436 542
32541240	Pharmaceutical preparations, acting on the central nervous system and the sense organs, for human use	N	X	X	11 808 739	N	X	X	N
3254124000	Pharmaceutical preparations, acting on the central nervous system and the sense organs, for human use	110	X	X	11 808 739	123	X	X	8 436 542
3254127	Pharmaceutical preparations, acting on the cardiovascular system, for human use, excluding diagnostics @	N	X	X	8 656 088	N	X	X	5 086 990
32541270	Pharmaceutical preparations, acting on the cardiovascular system, for human use	N	X	X	8 656 088	N	X	X	N
3254127000	Pharmaceutical preparations, acting on the cardiovascular system, for human use	65	X	X	8 656 088	76	X	X	5 086 990
325412A	Pharmaceutical preparations, acting on the respiratory system, for human use, excluding diagnostics @	N	X	X	5 742 303	N	X	X	5 046 430
325412A0	Pharmaceutical preparations, acting on the respiratory system, for human use	N	X	X	5 742 303	N	X	X	N
325412A000	Pharmaceutical preparations, acting on the respiratory system, for human use	92	X	X	5 742 303	107	X	X	5 046 430
325412D	Pharmaceutical preparations, acting on the digestive or the genito-urinary systems, for human use, excluding diagnostics @	N	X	X	9 360 623	N	X	X	7 032 904
325412D0	Pharmaceutical preparations, acting on the digestive or the genito-urinary systems, for human use	N	X	X	9 360 623	N	X	X	N
325412D000	Pharmaceutical preparations, acting on the digestive or the genito-urinary systems, for human use	101	X	X	9 360 623	110	X	X	7 032 904

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325412	Pharmaceutical preparations—Con.								
325412G	Pharmaceutical preparations, acting on the skin, for human use (incl burn ointments, acne preparations, hemorrhoidal preparations, rubbing alcohol, etc.) @	N	X	X	1 800 841	N	X	X	1 789 755
325412G0	Pharmaceutical preparations, acting on the skin, for human use	N	X	X	1 800 841	N	X	X	N
325412G000	Pharmaceutical preparations, acting on the skin, for human use	90	X	X	1 800 841	110	X	X	1 789 755
325412L	Pharmaceutical preparations, vitamin, nutrient, and hematinic preparations, for human use @	N	X	X	5 209 752	N	X	X	3 172 869
325412L0	Pharmaceutical preparations, vitamin, nutrient, and hematinic preparations, for human use	N	X	X	5 209 752	N	X	X	N
325412L000	Pharmaceutical preparations, vitamin, nutrient, and hematinic preparations, for human use	127	X	X	5 209 752	133	X	X	3 172 869
325412P	Pharmaceutical preparations, affecting parasitic and infective diseases, for human use (including penicillins, antibiotics, antiseptic mouthwash, etc.) @	N	X	X	7 651 310	N	X	X	7 130 578
325412P0	Pharmaceutical preparations, affecting parasitic and infective diseases, for human use	N	X	X	7 651 310	N	X	X	N
325412P000	Pharmaceutical preparations, affecting parasitic and infective diseases, for human use	73	X	X	7 651 310	80	X	X	7 130 578
325412T	Pharmaceutical preparations, for veterinary use @	N	X	X	1 593 352	N	X	X	1 305 755
325412T0	Pharmaceutical preparations, for veterinary use	N	X	X	1 593 352	N	X	X	N
325412T000	Pharmaceutical preparations, for veterinary use	78	X	X	1 593 352	90	X	X	1 305 755
325412V	Diagnostic substances, in vivo (including angiourographic agents, other contrast media products, radioactive reagents, etc.)	N	X	X	1 070 479	N	X	X	1 053 361
325412V1	Diagnostic substances, in vivo	N	X	X	1 069 281	N	X	X	N
325412V111	Diagnostic substances, in vivo diagnostic contrast media products (both iodinated and barium products), including angiourographic agents	7	X	X	540 907	5	X	X	D
325412V121	Diagnostic substances, in vivo radioactive reagents (both diagnostic and therapeutic)	9	X	X	465 980	7	X	X	323 248
325412V191	Diagnostic substances, in vivo diagnostic substances, other	14	X	X	62 394	10	X	X	D
325412VY	Diagnostic substances, in vivo	N	X	X	1 198	N	X	X	N
325412VYVW	Diagnostic substances, in vivo, nsk	N	X	X	1 198	N	X	X	1 532
325412W	Pharmaceutical preparations, nsk, total	N	X	X	1 500 527	N	X	X	N
325412WY	Pharmaceutical preparations, nsk, total	N	X	X	1 500 527	N	X	X	N
325412WYWW	Pharmaceutical preparations, nsk, for nonadministrative-record establishments	N	X	X	1 173 034	N	X	X	N
325412WYWY	Pharmaceutical preparations, nsk, for administrative-record establishments	N	X	X	327 493	N	X	X	N
325413	Diagnostic substances, in vitro	N	X	X	6 483 326	N	X	X	N
3254130	Diagnostic substances, in vitro	N	X	X	6 483 326	N	X	X	N
32541301	Diagnostic substances, in vitro diagnostic (clinical chemistry) reagents, including toxicology	N	X	X	3 936 799	N	X	X	N
3254130111	Diagnostic substances, in vitro diagnostic (clinical chemistry) reagents, including toxicology	59	X	X	3 936 799	74	X	X	2 877 534
32541302	Diagnostic substances, in vitro diagnostic (clinical chemistry) reagents, including toxicology	N	X	X	381 239	N	X	X	N
3254130221	Diagnostic substances, in vitro diagnostic (clinical chemistry) standards and controls, including toxicology	29	X	X	381 239	31	X	X	238 909

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325413	Diagnostic substances, in vitro—Con.								
3254130	Diagnostic substances, in vitro—Con.								
32541303	Diagnostic substances, in vitro diagnostic blood bank, hematology, and coagulation products	N	X	X	525 654	N	X	X	N
3254130331	Diagnostic substances, in vitro diagnostic blood bank products	8	X	X	297 295	7	X	X	249 730
3254130341	Diagnostic substances, in vitro diagnostic hematology products	12	X	X	67 145	14	X	X	60 202
3254130351	Diagnostic substances, in vitro diagnostic coagulation products	9	X	X	161 214	6	X	X	D
32541304	Diagnostic substances, in vitro diagnostic microbiology, virology, serology, cytology, and histology products	N	X	X	428 157	N	X	X	N
3254130461	Diagnostic substances, in vitro diagnostic microbiology, virology, serology, cytology, and histology products	37	X	X	428 157	42	X	X	355 241
32541305	Diagnostic substances, in vitro, culture media	N	X	X	365 721	N	X	X	N
3254130571	Diagnostic substances, in vitro, culture media	24	X	X	365 721	28	X	X	302 462
32541306	Diagnostic substances, in vitro, other	N	X	X	631 159	N	X	X	N
3254130691	Diagnostic substances, in vitro, other	44	X	X	631 159	55	X	X	698 090
3254130Y	Diagnostic substances, in vitro, nsk	N	X	X	214 597	N	X	X	N
3254130YWW	Diagnostic substances, in vitro, nsk, for nonadministrative-record establishments	N	X	X	156 190	N	X	X	N
3254130YWY	Diagnostic substances, in vitro, nsk, for administrative-record establishments	N	X	X	58 407	N	X	X	N
325414	Biological products, except diagnostics	N	X	X	5 398 081	N	X	X	4 512 154
3254141	Blood and blood derivatives, except diagnostics, for human use	N	X	X	1 060 150	N	X	X	1 051 852
32541411	Biological products, except diagnostic, blood and blood derivatives, human blood plasma, for human use	N	X	X	1 060 150	N	X	X	N
3254141111	Biological products, except diagnostic, blood and blood derivatives, human blood plasma, for human use	6	X	X	739 866	6	X	X	D
3254141121	Biological products, except diagnostic, blood and blood derivatives, other blood and blood derivatives or fractions, except those used for passive immunization	11	X	X	320 284	9	X	X	D
3254141Y	Biological products, except diagnostic, blood and blood derivatives, for human use, nsk	N	X	X	—	N	X	X	N
3254141YWV	Biological products, except diagnostic, blood and blood derivatives, for human use, nsk	N	X	X	—	N	X	X	—
3254144	Vaccines, toxoids, and antigens, except allergens, for human use	N	X	X	1 265 460	N	X	X	983 226
32541441	Vaccines, toxoids, and antigens, except allergens, for human use	N	X	X	1 265 460	N	X	X	N
3254144100	Vaccines, toxoids, and antigens, except allergens, for human use	29	X	X	1 265 460	7	X	X	983 226
3254147	Other biologics, except diagnostic, for human use (including antitoxins, antivenoms, blood derivatives for therapeutic use, and allergenic extracts)	N	X	X	1 511 455	N	X	X	1 418 936
32541471	Biological products, except diagnostic, other biologics for human use	N	X	X	1 504 920	N	X	X	N
3254147111	Biological products, except diagnostic, other biologics, antitoxins, antivenoms, immune globulins, therapeutic immune serums, etc., for therapeutic use and passive immunization	27	X	X	1 437 137	17	X	X	1 380 972
3254147121	Biological products, except diagnostic, other biologics, allergenic extracts and other biologics for human use, including poison ivy and oak extracts, except diagnostic allergens	5	X	X	67 783	9	X	X	37 964
3254147Y	Biological products, except diagnostic, other biologics for human use, nsk	N	X	X	6 535	N	X	X	N
3254147YWV	Biological products, except diagnostic, other biologics for human use, nsk	N	X	X	6 535	N	X	X	—

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
325414	Biological products, except diagnostics—Con.								
325414A	Biological products, except diagnostic, for veterinary, industrial, and other uses, nec.....	N	X	X	1 304 739	N	X	X	813 881
325414A1	Biological veterinary vaccines, bacterins, toxoids, other antigens, and other biological products.....	N	X	X	662 649	N	X	X	N
325414A111	Biological products, except diagnostic, for veterinary, industrial, and other uses, nec, veterinary vaccines, including vaccines against foot-and-mouth disease.....	19	X	X	505 737	21	X	X	310 272
325414A121	Biological products, except diagnostic, for veterinary, industrial, and other uses, nec, bacterins, toxoids, and other antigens, except allergens, for active immunization.....	36	X	X	50 689	13	X	X	99 430
325414A131	Biological prods, except diag, for veter, indust, and other uses, nec, other biological prod, includ veterinary blood derivatives, antitoxins, immune serums, and allergens, except diagnostics.....	13	X	X	106 223	17	X	X	71 209
325414A2	Biological products, except diagnostic, for veterinary, industrial, and other uses, nec, biological products for industrial and other uses, except culture media.....	N	X	X	562 672	N	X	X	N
325414A241	Biological products, except diagnostic, for veterinary, industrial, and other uses, nec, biological products for industrial and other uses, except culture media.....	33	X	X	562 672	29	X	X	251 292
325414AY	Biological products, except diagnostic, for veterinary, industrial, and other uses, nec, nsk.....	N	X	X	79 418	N	X	X	N
325414AYWV	Biological products, except diagnostic, for veterinary, industrial, and other uses, nec, nsk.....	N	X	X	79 418	N	X	X	81 678
325414W	Biological products, except diagnostic, nsk, total.....	N	X	X	256 277	N	X	X	244 259
325414WY	Biological products, except diagnostic, nsk, total.....	N	X	X	256 277	N	X	X	N
325414WYWW	Biological products, except diagnostic, nsk, for nonadministrative-record establishments.....	N	X	X	227 993	N	X	X	218 198
325414WYWY	Biological products, except diagnostic, nsk, for administrative-record establishments.....	N	X	X	28 284	N	X	X	26 061
325510	Paints and coatings.....	N	X	X	17 957 440	N	X	X	N
3255101	Architectural coatings @.....	N	X	X	6 096 705	N	X	X	5 327 848
32551010	Architectural coatings.....	N	X	X	6 096 705	N	X	X	N
3255101000	Architectural coatings.....	224	X	X	6 096 705	302	X	X	5 327 848
3255104	Product finishes for original equipment manufacturers (OEM), excluding marine coatings @.....	N	X	X	5 778 416	N	X	X	4 254 232
32551040	Product finishes for original equipment manufacturers (OEM), excluding marine coatings.....	N	X	X	5 778 416	N	X	X	N
3255104000	Product finishes for original equipment manufacturers (OEM), excluding marine coatings.....	262	X	X	5 778 416	324	X	X	4 254 232
3255107	Special-purpose coatings including all marine coatings, industrial, construction and maintenance coatings, traffic marking paints, etc. @.....	N	X	X	3 015 031	N	X	X	2 886 711
32551070	Special-purpose coatings including all marine coatings, industrial, construction and maintenance coatings, traffic marking paints, etc.....	N	X	X	3 015 031	N	X	X	N
3255107000	Special-purpose coatings including all marine coatings, industrial, construction and maintenance coatings, traffic marking paints, etc.....	239	X	X	3 015 031	296	X	X	2 886 711

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
325510	Paints and coatings—Con.								
325510A	Miscellaneous allied paint products (including paint and varnish removers, thinners, pigment dispersions, glazing compounds, etc.) @	N	X	X	1 652 578	N	X	X	N
325510A0	Miscellaneous allied paint products (including paint and varnish removers, thinners, pigment dispersions, glazing compounds, etc.)	N	X	X	1 652 578	N	X	X	N
325510A000	Miscellaneous allied paint products (including paint and varnish removers, thinners, pigment dispersions, glazing compounds, etc.)	209	X	X	1 652 578	N	X	X	N
325510W	Paints and coatings, nsk, total	N	X	X	1 414 710	N	X	X	N
325510WY	Paints and coatings, nsk, total	N	X	X	1 414 710	N	X	X	N
325510WYWW	Paints and coatings, nsk, for nonadministrative-record establishments	N	X	X	870 840	N	X	X	N
325510WYWY	Paints and coatings, nsk, for administrative-record establishments	N	X	X	543 870	N	X	X	N
325520	Adhesives and sealants	N	X	X	7 374 355	N	X	X	5 414 552
3255201	Natural base glues and adhesives	N	X	X	322 944	N	X	X	191 843
32552011	Natural base glues and adhesives	N	X	X	288 495	N	X	X	N
3255201111	Hide (dry forms) animal glues	7	X	14.3	17 600	4	X	17.6	15 970
3255201121	Flexible, nonwarp, and liquid animal glues (not glue stock)	7	X	S	56 994	12	X	45.8	26 973
3255201131	Protein adhesives, including casein, blood, fish, soybean, albumen, etc.	9	X	S	19 370	8	X	57.8	26 220
3255201141	Dextrine vegetable adhesives	20	X	S	46 833	17	X	151.1	56 345
3255201151	Starch vegetable adhesives	13	X	X	46 794	13	X	X	33 207
3255201161	Other natural base glues and adhesives made from natural gums, shellac, silicates, lacquers, and oleoresinous varnishes	20	X	X	100 904	10	X	X	24 951
3255201Y	Natural base glues and adhesives, nsk	N	X	X	34 449	N	X	X	N
3255201YWV	Natural base glues and adhesives, nsk	N	X	X	34 449	N	X	X	8 177
3255204	Synthetic resin and rubber adhesives, including all types of bonding and laminating adhesives	N	X	X	4 338 084	N	X	X	3 595 498
32552041	Epoxy adhesives	N	X	X	441 264	N	X	X	N
3255204111	Epoxy adhesives	56	X	X	441 264	62	X	X	249 301
32552042	Rubber and synthetic resin combinations	N	X	X	311 755	N	X	X	N
3255204271	Rubber and synthetic resin combinations	25	X	S	311 755	37	X	767.6	485 124
32552043	Hot melt adhesives, including polyamide, polyolefin, and other hot melts	N	X	X	682 457	N	X	X	N
32552043D1	Hot melt adhesives, including polyamide, polyolefin, and other hot melts	44	X	S	682 457	52	X	306.4	363 952
32552044	Adhesive films, all types, including pressure-sensitive structural and nonstructural adhesive films	N	X	X	429 153	N	X	X	N
32552044E1	Adhesive films, all types, including pressure-sensitive structural and nonstructural adhesive films	21	X	S	429 153	19	X	N	268 949
32552045	Vinyl type adhesives	N	X	X	592 062	N	X	X	N
3255204541	Polyvinyl acetate adhesives	50	X	622.4	400 149	N	X	N	N
3255204551	Polyvinyl chloride and copolymer adhesives	13	X	S	118 089	18	X	53.1	45 175
3255204561	Other vinyl polymer type adhesives	19	X	S	73 824	19	X	56.1	36 997
32552046	Other synthetic resin and rubber adhesives	N	X	X	1 720 574	N	X	X	N
3255204621	Phenolics and phenolic derivative adhesives, including resorcinol	11	X	S	115 109	14	X	1 357.2	212 310
3255204631	Urea and modified urea adhesives	10	X	S	130 020	11	X	D	D
3255204681	Acrylic adhesives	48	X	401.8	341 040	49	X	262.1	188 870
3255204691	Cyanoacrylate adhesives	11	X	34.9	75 510	11	X	58.0	103 217
32552046A1	Polyester adhesives	11	X	S	30 786	9	X	77.1	71 991
32552046B1	Urethane adhesives	34	X	143.1	209 810	29	X	44.9	68 234
32552046C1	Styrenic adhesives	13	X	216.5	143 669	14	X	237.3	130 396
32552046F1	Latex type rubber cement, for sale as such	25	X	X	264 843	25	X	X	99 178
32552046G1	Solvent type rubber cement, for sale as such	35	X	X	180 428	37	X	X	132 918
32552046H1	Other synthetic resin and rubber adhesives, including cellulose, nitrocellulose, polyamide, anaerobic, etc.	42	X	X	229 359	43	X	X	214 345

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325520	Adhesives and sealants—Con.								
3255204	Synthetic resin and rubber adhesives, including all types of bonding and laminating adhesives—Con.								
3255204Y	Synthetic resin and rubber adhesives, including all types of bonding and laminating adhesives, nsk	N	X	X	160 819	N	X	X	N
3255204YWW	Synthetic resin and rubber adhesives, including all types of bonding and laminating adhesives, nsk	N	X	X	160 819	N	X	X	251 615
3255207	Structural sealants (load-bearing)	N	X	X	495 787	N	X	X	344 092
32552071	Structural sealants (load-bearing)	N	X	X	470 267	N	X	X	N
3255207111	Synthetic base general performance structural (load-bearing) sealants (PVAC, butyl, vinyl, acrylic, neoprene, etc.)	16	X	X	108 034	8	X	X	50 703
3255207121	Synthetic base special performance structural (load-bearing) sealants, including polysulfide, silicone, epoxy, urethane, etc. mil lb..	20	X	S	321 259	17	X	149.2	263 890
3255207131	Synthetic base structural (load-bearing) sealant preformed tapes (butyl, polybutene, polyisobutylene, etc.)	3	X	X	40 974	2	X	X	D
3255207Y	Structural sealants (load-bearing), nsk	N	X	X	25 520	N	X	X	N
3255207YWW	Structural sealants (load-bearing), nsk	N	X	X	25 520	N	X	X	D
325520A	Nonstructural caulking compounds and sealants	N	X	X	1 436 177	N	X	X	863 269
325520A1	Nonstructural caulking compounds and sealants	N	X	X	1 419 946	N	X	X	N
325520A111	Natural base nonstructural (nonload-bearing) caulks, modified and unmodified oil base	21	X	X	77 317	19	X	X	38 228
325520A121	Natural bituminous base (coal tar or asphalt) nonstructural (nonload-bearing) caulking compounds and sealants	18	X	X	63 881	15	X	X	31 005
325520A131	Synthetic base nonstructural (nonload-bearing) general performance sealants (PVAC, butyl, vinyl, acrylic, neoprene, etc.)	58	X	S	741 892	51	X	489.6	382 471
325520A141	Synthetic base nonstructural (nonload-bearing) special performance sealants, including polysulfide, silicone, epoxy, urethane, etc. mil lb..	44	X	S	484 239	33	X	P171.8	265 844
325520A151	Synthetic base nonstructural (nonload-bearing) sealant preformed tapes (butyl, polybutene, polyisobutylene, etc.)	11	X	X	52 617	16	X	X	121 675
325520AY	Nonstructural caulking compounds and sealants, nsk	N	X	X	16 231	N	X	X	N
325520AYWW	Nonstructural caulking compounds and sealants, nsk	N	X	X	16 231	N	X	X	24 046
325520W	Adhesives and sealants, nsk, total	N	X	X	781 363	N	X	X	419 850
325520WY	Adhesives and sealants, nsk, total	N	X	X	781 363	N	X	X	N
325520WYWW	Adhesives and sealants, nsk, for nonadministrative-record establishments	N	X	X	510 584	N	X	X	339 781
325520WYWY	Adhesives and sealants, nsk, for administrative-record establishments	N	X	X	270 779	N	X	X	80 069
325611	Soaps and other detergents	N	X	X	14 326 060	N	X	X	N
3256111	Commercial, industrial, and institutional soaps and detergents, except specialty cleaners	N	X	X	2 276 865	N	X	X	2 222 011
32561111	Commercial, industrial, and institutional hard surface cleaners, dry, liquid, and aerosol	N	X	X	483 656	N	X	X	N
3256111111	Dry hard surface commercial, industrial, and institutional cleaners	26	X	D	D	N	X	N	N
3256111121	Liquid hard surface commercial, industrial, and institutional cleaners	105	X	978.5	348 856	N	X	N	N
3256111131	Aerosol hard surface commercial, industrial, and institutional cleaners	10	X	D	D	N	X	N	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
325611	Soaps and other detergents—Con.								
3256111	Commercial, industrial, and institutional soaps and detergents, except specialty cleaners—Con.								
32561112	Commercial, industrial, and institutional laundry detergents	N	X	X	282 165	N	X	X	N
3256111211	Commercial, industrial, and institutional dry laundry detergents	32	X	S	58 551	N	X	N	N
3256111221	Commercial, industrial, and institutional liquid laundry detergents	40	X	927.4	223 614	N	X	N	N
32561113	Commercial, industrial and institutional dishwashing compounds	N	X	X	288 515	N	X	X	N
3256111311	Commercial, industrial, and institutional dry dishwashing compounds	24	X	D	D	N	X	N	N
3256111321	Commercial, industrial, and institutional liquid dishwashing compounds	40	X	D	D	N	X	N	N
32561114	Commercial, industrial, and institutional metal cleaners	N	X	X	211 733	N	X	X	N
3256111411	Commercial, industrial, and institutional metal cleaners	44	X	P178.9	211 733	N	X	N	N
32561115	Commercial, industrial, and institutional scouring cleaners	N	X	X	13 222	N	X	X	N
3256111511	Commercial, industrial, and institutional scouring cleaners	13	X	P33.1	13 222	N	X	N	N
32561116	Dairy, farm, and food plant cleaners, sanitizers, etc.	N	X	X	128 919	N	X	X	N
3256111611	Dairy, farm, and food plant cleaners, sanitizers, etc.	33	X	P40.0	128 919	N	X	N	N
32561117	All other commercial, industrial, and institutional soaps and cleaners, including dry cleaners, liquid, dry, and aerosol	N	X	X	662 649	N	X	X	N
3256111711	Commercial, industrial, and institutional soap chips, flakes, granules, powders, and sprays, including washing powders, except specialty cleaners	27	X	9125.6	88 872	36	X	9157.4	84 270
3256111721	Commercial, industrial, and institutional liquid (potash and other) soaps, excluding shampoos and specialty cleaners	54	X	S	275 047	53	X	P81.0	187 727
3256111731	Other commercial, industrial, and institutional soaps, including mechanics' hand soap, except specialty cleaners	28	X	P134.4	114 894	30	X	177.4	69 394
3256111741	All other commercial, industrial, and institutional cleaners, including dry cleaners, liquid, dry, and aerosol	70	X	X	183 836	N	X	X	N
3256111Y	Soaps and detergents, commercial, industrial, and institutional, nsk	N	X	X	206 006	N	X	X	N
3256111YWV	Soaps and detergents, commercial, industrial, and institutional, nsk	N	X	X	206 006	N	X	X	258 165
3256114	Household detergents	N	X	X	7 176 655	N	X	X	6 033 766
32561141	Household dry laundry detergents, light-duty, and heavy-duty phosphate based	N	X	X	79 447	N	X	X	N
3256114111	Household dry laundry detergents, light-duty	5	X	D	D	8	X	S	7 363
3256114121	Household dry laundry detergents, heavy-duty, phosphate based	6	X	D	D	22	X	91 264.8	920 596
32561142	Household dry laundry detergents, heavy-duty, phosphate free	N	X	X	2 591 482	N	X	X	N
3256114211	Household dry laundry detergents, heavy-duty, phosphate free	14	X	3 658.1	2 591 482	24	X	P2 869.9	1 868 708
32561143	Household liquid laundry detergents, light-duty	N	X	X	875 509	N	X	X	N
3256114311	Household liquid laundry detergents, light-duty	10	X	126.0	875 509	21	X	P141.1	729 838
32561144	Household liquid laundry detergents, heavy-duty	N	X	X	2 065 890	N	X	X	N
3256114411	Household liquid laundry detergents, heavy-duty	18	X	342.4	2 065 890	23	X	P274.6	1 309 052
32561145	Other household detergents	N	X	X	1 251 550	N	X	X	N
3256114511	Household liquid alkaline automatic dishwashing detergents	7	X	151.9	199 924	14	X	19.7	53 638
3256114521	Household dry alkaline automatic dishwashing detergents	8	X	1 290.4	450 952	15	X	765.9	286 536
3256114531	Household liquid alkaline hard surface cleaners, including general-purpose cleaners and degreasers	35	X	S	377 598	65	X	N	N
3256114541	Household aerosol alkaline hard surface cleaners, including general-purpose cleaners and degreasers	2	X	D	D	8	X	N	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
325611	Soaps and other detergents—Con.								
3256114	Household detergents—Con.								
32561145	Other household detergents—Con.								
3256114551	Household dry alkaline hard surface cleaners, including general-purpose cleaners and degreasers mil lb..	3	X	D	D	4	X	N	N
3256114561	Household liquid alkaline scouring cleaners mil gal..	3	X	D	D	6	X	N	N
3256114571	Household dry alkaline scouring cleaners mil lb..	2	X	D	D	5	X	N	N
3256114581	All other household alkaline detergents	5	X	X	13 674	4	X	X	4 303
3256114591	Household laundry presoaks mil lb..	4	X	D	D	10	X	68.1	72 727
3256114Y	Household detergents, nsk	N	X	X	312 777	N	X	X	N
3256114YWV	Household detergents, nsk	N	X	X	312 777	N	X	X	63 401
3256117	Household soaps, except specialty cleaners (including toilet soaps, medicated and mechanics' soap, etc.)	N	X	X	1 832 132	N	X	X	1 969 621
32561171	Household deodorant bar soaps (except novelty), excluding medicated	N	X	X	742 106	N	X	X	N
3256117111	Household deodorant bar soaps (except novelty), excluding medicated mil lb..	12	X	S	742 106	21	X	S	986 357
32561172	Household nondeodorant bar soaps (except novelty), excluding medicated	N	X	X	412 945	N	X	X	N
3256117211	Household nondeodorant bar soaps (except novelty), excluding medicated mil lb..	16	X	P386.1	412 945	30	X	S	602 625
32561173	Other household soaps, including mechanics' hand soaps (except waterless), and medicated soaps	N	X	X	553 655	N	X	X	N
3256117311	Household novelty bar soaps, excluding medicated mil lb..	12	X	D	D	15	X	P29.3	75 449
3256117321	Household liquid toilet soaps, excluding medicated mil gal..	27	X	S	369 896	27	X	S	221 583
3256117331	Other household soaps, including mechanics' hand soaps (except waterless), and medicated soaps	7	X	X	D	20	X	X	80 311
3256117Y	Soaps, except specialty cleaners, household, nsk	N	X	X	123 426	N	X	X	N
3256117YWV	Soaps, except specialty cleaners, household, nsk	N	X	X	123 426	N	X	X	3 296
325611A	Glycerin, natural	N	X	X	265 942	N	X	X	138 279
325611A1	Glycerin, natural	N	X	X	265 942	N	X	X	N
325611A111	Crude glycerin, natural, 100-percent basis mil lb..	5	X	126.9	96 136	7	X	103.8	34 555
325611A121	High-gravity, dynamite, yellow distilled natural glycerin, and chemically pure natural glycerine, 100-percent basis mil lb..	5	X	267.3	169 806	N	X	N	N
325611AY	Glycerin, natural, nsk	N	X	X	—	N	X	X	N
325611AYWV	Glycerin, natural, nsk	N	X	X	—	N	X	X	—
325611D	Toothpaste, including gels and toothpowder	N	X	X	1 403 379	N	X	X	N
325611D1	Toothpaste, including gels and toothpowder	N	X	X	1 403 379	N	X	X	N
325611D100	Toothpaste, including gels and toothpowder	22	X	X	1 403 379	N	X	X	N
325611W	Soap and other detergents, nsk, total	N	X	X	1 371 087	N	X	X	N
325611WY	Soap and other detergents, nsk, total	N	X	X	1 371 087	N	X	X	N
325611WYWW	Soap and other detergents, nsk, for nonadministrative-record establishments	N	X	X	857 688	N	X	X	N
325611WYWY	Soap and other detergents, nsk, for administrative-record establishments	N	X	X	513 399	N	X	X	N
325612	Polishes and sanitation goods	N	X	X	8 170 185	N	X	X	6 476 621

Table 1. Products Statistics: 1997 and 1992—Con.

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
325612	Polishes and sanitation goods—Con.								
3256121	Chlorine and other inorganic bleaching compounds, household (sodium hypochlorite, etc., 100 percent Cl equivalent) @	N	X	X	1 002 265	N	X	X	946 062
32561211	Chlorine and other inorganic bleaching compounds, household, (sodium hypochlorite, etc., 100 percent Cl equivalent)	N	X	X	991 553	N	X	X	N
3256121111	Chlorine bleaching compounds, household, liquid (sodium hypochlorite, etc., less than 7 percent available chlorine or equivalent oxidizing value, 100 percent Cl equivalent) mil gal..	27	X	P242.2	797 387	N	X	N	N
3256121121	Nonchlorine bleaching compounds, household, liquid (hydrogen peroxide, etc., less than 7 percent available chlorine or equivalent oxidizing value, 100 percent Cl equivalent) mil gal..	8	X	S	15 841	N	X	N	N
3256121131	Chlorine bleaching compounds, household, dry (chlorinated isocyanurates, etc., less than 50 percent available chlorine or equivalent oxidizing value, 100 percent Cl equivalent) mil lb..	7	X	52.0	115 371	N	X	N	N
3256121141	Nonchlorine bleaching compounds, household, dry (sodium perborate, etc., less than 50 percent available chlorine or equivalent oxidizing value, 100 percent Cl equivalent) mil lb..	7	X	S	62 954	N	X	N	N
3256121Y	Chlorine and other inorganic bleaching compounds, household (sodium hypochlorite, etc., 100 percent Cl equivalent) nsk	N	X	X	10 712	N	X	X	N
3256121YVV	Chlorine and other inorganic bleaching compounds, household (sodium hypochlorite, etc., 100 percent Cl equivalent) nsk	N	X	X	10 712	N	X	X	13 521
3256124	Specialty cleaning and sanitation products	N	X	X	5 168 885	N	X	X	3 661 488
32561241	Disinfectants, nonagricultural, industrial and institutional	N	X	X	217 761	N	X	X	N
3256124111	Disinfectants, nonagricultural, industrial and institutional	74	X	X	217 761	N	X	X	N
32561242	Laundry aids	N	X	X	1 277 559	N	X	X	N
3256124211	Dry laundry fabric softeners and rinses (except dryer sheets)	2	X	X	504	N	X	X	N
3256124221	Household liquid laundry fabric softeners and rinses	20	X	X	D	35	X	X	538 042
3256124231	Industrial and institutional liquid laundry fabric softeners and rinses	11	X	X	D	N	X	X	N
3256124241	Laundry dryer sheets	7	X	X	469 118	N	X	X	N
3256124251	Laundry starch preparations, including permanent types	11	X	X	48 956	N	X	X	N
3256124261	Other laundry aids, including ironing aids and drycleaning spotting preparations	14	X	X	38 543	N	X	X	N
32561243	Air and room fresheners	N	X	X	722 506	N	X	X	N
3256124311	Air and room fresheners, aerosol-type, household	14	X	X	176 482	N	X	X	N
3256124321	Air and room fresheners, aerosol-type, industrial and institutional	15	X	X	18 039	N	X	X	N
3256124331	Other air and room fresheners (except potpourri), household	23	X	X	481 548	N	X	X	N
3256124341	Other air and room fresheners (except potpourri), industrial and institutional	21	X	X	46 437	N	X	X	N
32561244	Other specialty cleaning products, including glass window preparations, toilet bowl cleaners, and rug cleaners, etc.	N	X	X	2 556 972	N	X	X	N
3256124411	Glass window cleaning preparations, except automotive windshield washer fluid, household	24	X	X	267 189	N	X	X	N
3256124421	Glass window cleaning preparations, except automotive windshield washer fluid, industrial and institutional	31	X	X	24 390	N	X	X	N
3256124431	Automotive windshield washer fluid	14	X	X	39 036	21	X	X	29 458
3256124441	Oven cleaners	21	X	X	104 318	23	X	X	64 541
3256124451	Toilet bowl cleaners, household	18	X	X	264 116	N	X	X	N
3256124461	Toilet bowl cleaners, industrial and institutional	30	X	X	38 951	N	X	X	N
3256124471	Drain pipe solvents	23	X	X	180 039	31	X	X	131 132
3256124481	Bathroom, tub, and tile cleaners	42	X	X	437 262	47	X	X	124 925
3256124491	Disinfectants, nonagricultural, household	23	X	X	D	N	X	X	N
32561244E1	Rug and upholstery cleaners, consumer-type preparations	26	X	X	134 583	32	X	X	149 199

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
325612	Polishes and sanitation goods—Con.								
3256124	Specialty cleaning and sanitation products—Con.								
32561244	Other specialty cleaning products, including glass window preparations, toilet bowl cleaners, and rug cleaners, etc.—Con.								
32561244F1	Rug and upholstery cleaners, industrial- and institutional-type preparations	35	X	X	49 538	34	X	X	23 411
32561244G1	Household ammonia	9	X	X	10 835	15	X	X	17 078
32561244H1	Cat litter, except natural and untreated materials	8	X	X	D	7	X	X	D
32561244J1	Other specialty detergents, including sweeping compounds, waterless hand cleaners, wallpaper cleaners, etc.	88	X	X	524 529	N	X	X	N
3256124Y	Specialty cleaning and sanitation products, nsk	N	X	X	394 087	N	X	X	N
3256124YVV	Specialty cleaning and sanitation products, nsk	N	X	X	394 087	N	X	X	199 331
3256127	Polishing preparations and related products (including automobile, floor, and metal polishes)	N	X	X	1 068 171	N	X	X	1 086 467
32561271	Polishing preparations and related products	N	X	X	1 002 153	N	X	X	N
3256127111	Automobile body polish and cleaners, household	21	X	X	178 709	N	X	X	N
3256127121	Automobile body polish and cleaners, industrial and institutional	40	X	X	98 554	N	X	X	N
3256127131	Furniture polish and cleaners, household	11	X	X	164 675	N	X	X	N
3256127141	Furniture polish and cleaners, industrial and institutional	13	X	X	19 407	N	X	X	N
3256127151	Floor polish, water emulsion, household	17	X	7.9	84 457	N	X	N	N
3256127161	Floor polish, water emulsion, industrial and institutional	65	X	S	169 078	N	X	N	N
3256127171	Floor polish, liquid (nonemulsion)	12	X	S	6 690	21	X	19.1	35 146
3256127181	Floor polish other than liquid form, including paste and cake	3	X	S	865	7	X	S	3 823
3256127191	Shoe polishes and cleaners	7	X	X	8 877	11	X	X	99 864
32561271A1	Leather dressings and finishes, excluding shoe polish	14	X	S	64 179	20	X	S	50 960
32561271B1	Other polishing preparations and related products, including metal polish and polishing cloths and papers	41	X	X	206 662	62	X	X	136 372
3256127Y	Polishing preparations and related products, nsk	N	X	X	66 018	N	X	X	N
3256127YVV	Polishing preparations and related products, nsk	N	X	X	66 018	N	X	X	38 109
325612W	Polishes and sanitation goods, nsk, total	N	X	X	930 864	N	X	X	782 604
325612WY	Polishes and sanitation goods, nsk, total	N	X	X	930 864	N	X	X	N
325612WYWW	Polishes and sanitation goods, nsk, for nonadministrative-record establishments	N	X	X	738 627	N	X	X	689 356
325612WYWY	Polishes and sanitation goods, nsk, for administrative-record establishments	N	X	X	192 237	N	X	X	93 248
325613	Surfactants, finishing agents, and assistants	N	X	X	4 969 087	N	X	X	3 776 027
3256130	Surfactants, finishing agents, and assistants	N	X	X	4 969 087	N	X	X	3 776 027
32561301	Textile and leather assistants and finishes	N	X	X	534 775	N	X	X	N
3256130111	Textile assistants	34	X	S	198 030	35	X	270.4	163 704
3256130121	Textile finishes	36	X	S	280 655	45	X	639.8	275 287
3256130131	Leather assistants and finishes	7	X	S	56 090	7	X	49.9	52 966
32561302	Surfactants (bulk surface active agents)	N	X	X	3 789 562	N	X	X	N
3256130241	Surfactants (bulk surface active agents)	107	X	X	3 789 562	102	X	X	2 988 516
3256130Y	Surfactants, finishing agents, and assistants, nsk	N	X	X	644 750	N	X	X	N
3256130YWW	Surfactants, finishing agents, and assistants, nsk, for nonadministrative-record establishments	N	X	X	505 135	N	X	X	278 963
3256130YWY	Surfactants, finishing agents, and assistants, nsk, for administrative-record establishments	N	X	X	139 615	N	X	X	16 591

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
325620	Toilet preparations	N	X	X	22 840 050	N	X	X	N
3256201	Shaving preparations (including shaving soaps, creams, gels, aftershave and preshave preparations, styptics, etc.)	N	X	X	503 711	N	X	X	499 012
32562011	Shaving preparations	N	X	X	477 103	N	X	X	N
3256201111	Shaving soap and cream	18	X	X	327 804	21	X	X	270 370
3256201121	Aftershave preparations (all forms)	15	X	X	141 548	18	X	X	217 809
3256201131	Other shaving preparations, including preshave preparations and styptics	6	X	X	7 751	5	X	X	10 808
3256201Y	Shaving preparations, nsk	N	X	X	26 608	N	X	X	N
3256201YVV	Shaving preparations, nsk	N	X	X	26 608	N	X	X	25
3256204	Perfumes, toilet waters, and colognes (including perfume oil mixtures and blends)	N	X	X	3 059 475	N	X	X	2 230 232
32562041	Perfumes and toilet waters	N	X	X	2 133 779	N	X	X	N
3256204111	Perfume oil mixtures and blends	43	X	X	725 184	35	X	X	522 873
3256204121	Perfumes	20	X	X	1 336 251	25	X	X	372 626
3256204131	Toilet waters	7	X	X	72 344	14	X	X	206 235
32562042	Colognes	N	X	X	781 473	N	X	X	N
3256204211	Colognes	23	X	X	781 473	34	X	X	985 773
3256204Y	Perfumes, toilet waters, and colognes, nsk	N	X	X	144 223	N	X	X	N
3256204YVV	Perfumes, toilet waters, and colognes, nsk	N	X	X	144 223	N	X	X	142 725
3256207	Hair preparations (including shampoos, permanents, dyes, sprays, rinses, dressings, etc.)	N	X	X	5 378 887	N	X	X	4 637 984
32562071	Shampoos, professional and consumer use	N	X	X	2 433 094	N	X	X	N
3256207111	Professional hair shampoos containing soap, including products with additives for coloring, dandruff removal, etc.	19	X	X	51 357	22	X	X	56 894
3256207121	Consumer use hair shampoos containing soap, including products with additives for coloring, dandruff removal, etc.	54	X	X	1 724 076	49	X	X	562 339
3256207131	Professional liquid hair shampoos containing synthetic organic detergents, including products with additives for coloring, dandruff removal, etc.	15	X	X	172 819	22	X	X	102 211
3256207141	Consumer use liquid hair shampoos containing synthetic organic detergents, including products with additives for coloring, dandruff removal, etc.	29	X	X	461 768	45	X	X	879 062
3256207151	Cream and gel hair shampoos (professional and consumer use) containing synthetic organic detergents, including products with additives for coloring, dandruff removal, etc.	13	X	X	23 074	10	X	X	21 382
32562072	Hair preparations, except shampoos	N	X	X	2 674 408	N	X	X	N
3256207211	Professional hair tonics, including hair and scalp conditioners	22	X	X	100 134	30	X	X	107 466
3256207221	Consumer use hair tonics, including hair and scalp conditioners	35	X	X	528 343	46	X	X	520 934
3256207231	Professional use hair mousse	10	X	X	15 313	N	X	X	N
3256207241	Consumer use hair mousse	13	X	X	150 586	N	X	X	N
3256207251	Consumer use hair perms (complete and refill)	8	X	X	74 796	10	X	X	111 898
3256207261	Professional hair perms	13	X	X	57 488	27	X	X	210 077
3256207271	Hair dressings, including brilliantines, creams, and pomades	22	X	X	180 838	31	X	X	133 217
3256207281	Professional use hair coloring preparations (bleaches, dyes, rinses, tints, etc.), except combination shampoo-coloring preparations	16	X	X	170 971	N	X	X	N
3256207291	Consumer use hair coloring preparations (bleaches, dyes, rinses, tints, etc.), except combination shampoo-coloring preparations	12	X	X	819 932	N	X	X	N
32562072A1	Aerosol hair spray	21	X	X	176 157	26	X	X	334 031
32562072B1	Nonaerosol hair spray	35	X	X	230 551	51	X	X	442 125
32562072C1	Hair rinses, except color rinses	7	X	X	24 621	8	X	X	21 086
32562072D1	Other hair preparations, including heat setting wave solutions	13	X	X	144 678	26	X	X	88 857
3256207Y	Hair preparations (including shampoos), nsk	N	X	X	271 385	N	X	X	N
3256207YVV	Hair preparations (including shampoos), nsk	N	X	X	271 385	N	X	X	151 071

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325620	Toilet preparations—Con.								
325620A	Denture cleaners and other oral hygiene products	N	X	X	730 878	N	X	X	N
325620A1	Denture cleaners and other oral hygiene products	N	X	X	730 878	N	X	X	N
325620A111	Denture cleaners	5	X	X	16 313	6	X	X	N
325620A121	Other oral hygiene products, including dental floss, dental adhesives, etc. (excluding toothbrushes and toothpicks)	32	X	X	714 565	32	X	X	N
325620AY	Dentifrices, mouthwashes, gargles, and rinses, nsk	N	X	X	—	N	X	X	N
325620AYWV	Dentifrices, mouthwashes, gargles, and rinses, nsk	N	X	X	—	N	X	X	N
325620D	Creams, lotions, and oils, excluding shaving, hair, deodorant, eye, manicuring, and bath	N	X	X	4 129 547	N	X	X	3 084 019
325620D1	Creams, except shaving, hair, deodorant, eye, and manicuring	N	X	X	2 157 022	N	X	X	N
325620D111	Cleansing creams	41	X	X	378 976	40	X	X	377 918
325620D121	Foundation creams	20	X	X	596 875	23	X	X	359 439
325620D131	Lubricating creams, including hormone creams	14	X	X	104 943	16	X	X	287 633
325620D141	Moisturizing creams	53	X	X	884 453	52	X	X	532 921
325620D151	Other creams, excluding shaving, hair, deodorant, eye, and manicuring creams	18	X	X	191 775	18	X	X	56 685
325620D2	Lotions and oils, excluding shaving, hair, and deodorant	N	X	X	1 646 607	N	X	X	N
325620D211	Suntan lotions and oils	19	X	X	83 369	25	X	X	119 633
325620D221	Sunscreens and sunblocks (lotions and oils)	33	X	X	254 263	27	X	X	180 272
325620D231	Cleansing lotions (except hair, shaving, and bath)	25	X	X	151 796	21	X	X	125 980
325620D241	Cosmetic oils, including baby oils but excluding suntan oils	13	X	X	30 752	17	X	X	42 833
325620D251	Hand lotions	53	X	X	678 038	59	X	X	530 593
325620D261	Body lotions, except bath lotions	51	X	X	255 851	44	X	X	163 017
325620D271	Other lotions and oils, excluding hair, shaving, and bath	19	X	X	192 538	19	X	X	72 923
325620DY	Creams, lotions and oils, excluding shaving, hair, and deodorant, nsk	N	X	X	325 918	N	X	X	N
325620DYWV	Creams, lotions and oils, excluding shaving, hair, and deodorant, nsk	N	X	X	325 918	N	X	X	234 172
325620G	Other cosmetics and toilet preparations, nec (including cosmetics, powders, manicuring preparations, personal deodorants, bath salts, and bubble bath)	N	X	X	7 527 193	N	X	X	5 722 852
325620G1	Cosmetics (lip, eye, and blushers)	N	X	X	2 427 350	N	X	X	N
325620G111	Lip cosmetics and toilet preparations (lipstick, lip gloss, lip conditioners, etc.)	42	X	X	1 047 770	40	X	X	753 362
325620G121	Blushers	19	X	X	416 707	23	X	X	224 356
325620G131	Eye cosmetics and toilet preparations (mascara, eye shadow, eye liners, eye creams, etc.)	28	X	X	962 873	32	X	X	781 110
325620G2	Deodorants and feminine hygiene douches, except medicated	N	X	X	1 459 821	N	X	X	N
325620G211	Feminine hygiene douches and deodorants (except medicated)	3	X	X	64 131	6	X	X	81 070
325620G221	Underarm deodorants, aerosol and spray type	8	X	X	199 265	12	X	X	176 110
325620G231	Underarm deodorants, roll-on, solid, and other types	22	X	X	1 196 425	30	X	X	1 023 415
325620G3	Other cosmetics and toilet preparations	N	X	X	2 362 312	N	X	X	N
325620G311	Nail enamels and polishes	24	X	X	409 069	25	X	X	357 961
325620G321	Nail enamel and polish removers	7	X	X	104 123	12	X	X	46 887
325620G331	Other manicuring preparations (including nail and cuticle conditioners and creams)	14	X	X	107 080	10	X	X	49 409
325620G341	Talcum and toilet powder	18	X	X	139 830	38	X	X	242 488
325620G351	Face powder (pressed and loose)	19	X	X	327 449	26	X	X	434 453
325620G361	Other powder, including foot powder, etc.	4	X	X	21 821	7	X	X	10 526
325620G371	Bath salts, tablets, oils, and bubble baths	37	X	X	137 224	35	X	X	275 819
325620G381	Premoistened towelettes, including wipes for babies	10	X	X	647 433	11	X	X	452 377
325620G391	Facial scrubs and masks	17	X	X	58 599	23	X	X	73 835
325620G3A1	Depilatories	6	X	X	30 813	7	X	X	29 604
325620G3B1	Other cosmetics and toilet preparations	50	X	X	378 871	38	X	X	408 809
325620GY	Other cosmetics and toilet preparations, nsk	N	X	X	1 277 710	N	X	X	N
325620GYWV	Other cosmetics and toilet preparations, nsk	N	X	X	1 277 710	N	X	X	301 261

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325620	Toilet preparations—Con.								
325620W	Toilet preparations, nsk, total	N	X	X	1 510 359	N	X	X	N
325620WY	Toilet preparations, nsk, total	N	X	X	1 510 359	N	X	X	N
325620WYWW	Toilet preparations, nsk, for nonadministrative-record establishments	N	X	X	1 214 890	N	X	X	N
325620WYWY	Toilet preparations, nsk, for administrative-record establishments	N	X	X	295 469	N	X	X	N
325910	Printing ink	N	X	X	3 933 530	N	X	X	3 063 796
3259101	Letterpress printing inks	N	X	X	184 336	N	X	X	140 463
32591011	Letterpress printing inks	N	X	X	184 278	N	X	X	N
3259101111	Letterpress news printing inks	8	X	D	D	9	X	112.6	57 836
3259101121	Letterpress packaging printing inks	11	X	D	D	14	X	38.6	71 614
3259101131	Other letterpress printing inks, including publication inks	8	X	S	7 190	13	X	9.6	10 422
3259101Y	Letterpress printing inks, nsk	N	X	X	58	N	X	X	N
3259101YWV	Letterpress printing inks, nsk	N	X	X	58	N	X	X	591
3259104	Lithographic and offset printing inks	N	X	X	1 680 418	N	X	X	1 394 486
32591041	Lithographic and offset news and nonheat web offset printing inks	N	X	X	289 834	N	X	X	N
3259104111	Lithographic and offset news and nonheat web offset printing inks	23	X	312.0	289 834	30	X	398.4	341 128
32591042	Lithographic and offset publication and commercial web printing inks	N	X	X	779 461	N	X	X	N
3259104221	Lithographic and offset publication and commercial web printing inks	25	X	656.8	779 461	33	X	286.7	485 828
32591043	Lithographic and offset sheet-fed general printing inks	N	X	X	334 030	N	X	X	N
3259104341	Lithographic and offset sheet-fed general printing inks	41	X	773.4	334 030	46	X	67.1	265 957
32591044	Other lithographic and offset inks	N	X	X	247 736	N	X	X	N
3259104431	Lithographic and offset sheet-fed packaging printing inks	17	X	444.2	162 257	27	X	40.3	159 013
3259104451	Other lithographic and offset printing inks	14	X	S	85 479	20	X	31.6	89 250
3259104Y	Lithographic and offset inks, nsk	N	X	X	29 357	N	X	X	N
3259104YWV	Lithographic and offset inks, nsk	N	X	X	29 357	N	X	X	53 310
3259107	Gravure printing inks	N	X	X	572 906	N	X	X	464 521
32591071	Gravure publication printing inks	N	X	X	326 340	N	X	X	N
3259107131	Gravure publication printing inks, solvent-type	4	X	269.1	294 208	8	X	304.3	237 258
3259107141	Gravure publication printing inks, water-type	3	X	S	32 132	3	X	D	D
32591072	Other gravure printing inks, except publication printing type	N	X	X	226 451	N	X	X	N
3259107211	Gravure packaging printing inks, solvent-type	16	X	59.9	121 834	17	X	74.8	122 234
3259107221	Gravure packaging printing inks, water-type	11	X	S	57 674	17	X	39.1	57 321
3259107251	Other gravure printing inks	6	X	S	46 943	6	X	5.1	9 185
3259107Y	Gravure inks, nsk	N	X	X	20 115	N	X	X	N
3259107YWV	Gravure inks, nsk	N	X	X	20 115	N	X	X	D
325910A	Flexographic printing inks	N	X	X	718 147	N	X	X	590 159
325910A1	Flexographic printing inks	N	X	X	662 761	N	X	X	N
325910A111	Flexographic packaging printing inks, solvent-type	17	X	S	160 395	18	X	130.4	232 733
325910A121	Flexographic packaging printing inks, water-type	36	X	145.9	334 576	38	X	164.6	267 003
325910A131	Flexographic news and commercial printing inks	6	X	62.6	116 562	9	X	21.7	25 744
325910A141	Other flexographic printing inks	16	X	S	51 228	12	X	S	32 353
325910AY	Flexographic inks, nsk	N	X	X	55 386	N	X	X	N
325910AYWV	Flexographic inks, nsk	N	X	X	55 386	N	X	X	32 326
325910E	Nonimpact-digital inks	N	X	X	96 034	N	X	X	N
325910E1	Nonimpact-digital inks	N	X	X	86 967	N	X	X	N
325910E111	Inkjet inks	7	X	S	57 167	N	X	N	N
325910E121	Electrophotographic printing inks	3	X	S	8 592	N	X	N	N
325910E131	Other nonimpact-digital inks	3	X	S	21 208	N	X	N	N
325910EY	Other nonimpact-digital inks, nsk	N	X	X	9 067	N	X	X	N
325910EYWV	Other nonimpact-digital inks, nsk	N	X	X	9 067	N	X	X	N
325910H	Printing inks, nec	N	X	X	228 316	N	X	X	N
325910H1	Printing inks, nec	N	X	X	228 316	N	X	X	N
325910H111	Textile printing inks	9	X	S	51 025	11	X	37.6	56 496
325910H121	Screen printing inks	13	X	26.0	131 944	17	X	26.3	87 619
325910H131	Other printing inks, including stencil inks	11	X	5.6	45 347	N	X	N	N
325910HY	Printing inks, nec, nsk	N	X	X	—	N	X	X	N
325910HYWV	Printing inks, nec, nsk	N	X	X	—	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
325910	Printing ink—Con.								
325910W	Printing ink, nsk, total	N	X	X	453 373	N	X	X	260 661
325910WY	Printing ink, nsk, total	N	X	X	453 373	N	X	X	N
325910WYWW	Printing ink, nsk, for nonadministrative-record establishments	N	X	X	307 022	N	X	X	240 884
325910WYWY	Printing ink, nsk, for administrative-record establishments	N	X	X	146 351	N	X	X	19 777
325920	Explosives	N	X	X	1 242 257	N	X	X	888 427
3259200	Explosives, propellants, and blasting accessories, except those shipped by government-owned, contractor-operated plants	N	X	X	1 242 257	N	X	X	888 427
32592001	Industrial explosives	N	X	X	613 061	N	X	X	N
3259200111	Industrial ammonium nitrate explosives, fuel sensitized, except slurry	11	X	P1 607.9	200 244	9	X	P1 073.6	118 854
3259200121	Other industrial explosives; including water gel and slurries (cap and noncap sensitive), permissibles, dynamites, black blasting powder, shape charges, liquid oxygen explosives, nitroglycerin for sal	18	X	X	412 817	N	X	X	N
32592002	Blasting accessories, including blasting caps, squibs, ignitors, detonating primers, fuses, detonating cord, etc.	N	X	X	360 506	N	X	X	N
3259200231	Blasting accessories, including blasting caps, squibs, ignitors, detonating primers, fuses, detonating cord, etc.	15	X	X	360 506	12	X	X	285 007
32592003	Other explosives; including propellants (smokeless and black powder), military detonators, jet starters, fuse and explosive assemblies, etc.	N	X	X	159 117	N	X	X	N
3259200341	Other explosives; including propellants (smokeless and black powder), military detonators, jet starters, fuse and explosive assemblies, etc.	14	X	X	159 117	N	X	X	N
3259200Y	Explosives, nsk	N	X	X	109 573	N	X	X	N
3259200YWW	Explosives, nsk, for nonadministrative-record establishments	N	X	X	98 148	N	X	X	123 264
3259200YWY	Explosives, nsk, for administrative-record establishments	N	X	X	11 425	N	X	X	7 210
325991	Custom compounding of purchased resin	N	X	X	7 338 126	N	X	X	4 403 789
3259911	Custom compounding of purchased resins and color concentrates	N	X	X	5 773 884	N	X	X	N
32599111	Custom compounding of purchased resins and color concentrates	N	X	X	4 446 253	N	X	X	N
3259911115	Custom compounding of purchased resins	212	X	X	4 446 253	304	X	X	3 190 070
32599112	Plastics color concentrates	N	X	X	1 327 631	N	X	X	N
3259911221	Plastics color concentrates	57	X	X	1 327 631	81	X	X	815 709
3259911Y	Custom compounding of purchased resins and color concentrates, nsk	N	X	X	—	N	X	X	N
3259911YWV	Custom compounding of purchased resins and color concentrates, nsk	N	X	X	—	N	X	X	N
3259912	Resins in the form of pellets from spent or post consumer plastics	N	X	X	501 958	N	X	X	N
32599121	Resins in the form of pellets from spent or post consumer plastics	N	X	X	501 958	N	X	X	N
3259912100	Resins in the form of pellets from spent or post consumer plastics	39	X	X	501 958	N	X	X	N
325991W	Custom compounding of purchased resin, nsk, total	N	X	X	1 062 284	N	X	X	N
325991WY	Custom compounding of purchased resin, nsk, total	N	X	X	1 062 284	N	X	X	N
325991WYWW	Custom compounding of purchased resin, nsk, for nonadministrative-record establishments	N	X	X	640 205	N	X	X	N
325991WYWY	Custom compounding of purchased resin, nsk, for administrative-record establishments	N	X	X	422 079	N	X	X	79 630

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
325992	Photographic film, paper, plate and chemical products	N	X	X	11 936 605	N	X	X	N
3259921	Photographic sensitized film, plates, paper, and cloth, silver halide type (except x-ray)	N	X	X	6 840 400	N	X	X	N
32599211	Photographic sensitized film, plates, paper, and cloth, silver halide type (except x-ray)	N	X	X	6 840 400	N	X	X	N
3259921101	Photographic presensitized printing plates, unexposed	9	X	X	394 933	11	X	X	366 755
3259921106	Phototypesetting and imagesetting film	8	X	X	124 960	4	X	X	117 352
3259921111	Sensitized photographic paper and cloth, silver halide type	8	X	X	D	8	X	X	D
3259921116	Other photographic sensitized film, plates, slides, including microfilm and motion picture film, sheet film, pack film, and long lengths of still picture roll film including graphic arts film	11	X	X	D	N	X	X	N
3259921Y	Photographic sensitized film, plates, paper, and cloth, silver halide type (except x-ray), nsk	N	X	X	—	N	X	X	N
3259921YVV	Photographic sensitized film, plates, paper, and cloth, silver halide type (except x-ray), nsk	N	X	X	—	N	X	X	9 765
3259923	Sensitized photographic film, plates, paper, and cloth, other than silver halide type (including x-ray)	N	X	X	2 843 490	N	X	X	N
32599231	Sensitized photographic film, plates, paper, and cloth, other than silver halide type (including x-ray)	N	X	X	2 800 314	N	X	X	N
3259923101	Dry diazo print paper, paper reproductions, diazo type film (including microfilm-microfiche), and all other diazo materials	12	X	X	289 326	N	X	X	N
3259923106	Photographic diffusion transfer materials (including both imager and receiver sheets), off-press color proofing media, letterpress and flexographic plates, and other types	26	X	X	1 161 902	N	X	X	N
3259923111	X-ray film and plates	6	X	X	1 349 086	9	X	X	D
3259923Y	Sensitized photographic film, plates, paper, and cloth, other than silver halide type (including x-ray), nsk	N	X	X	43 176	N	X	X	N
3259923YVV	Sensitized photographic film, plates, paper, and cloth, other than silver halide type (including x-ray), nsk	N	X	X	43 176	N	X	X	45 877
3259925	Prepared photographic chemicals	N	X	X	2 136 630	N	X	X	1 862 276
32599251	Prepared photographic chemicals, office copy toners	N	X	X	1 138 027	N	X	X	N
3259925101	Prepared photographic chemicals, office copy toners	28	X	X	1 138 027	16	X	X	963 421
32599252	Prepared photographic chemicals	N	X	X	617 373	N	X	X	N
3259925206	Prepared photographic chemicals	21	X	X	617 373	26	X	X	695 247
32599253	Other prepared photographic chemicals, including prepared plate chemicals	N	X	X	345 617	N	X	X	N
3259925316	Prepared photographic plate chemicals	6	X	X	35 531	5	X	X	41 043
3259925321	Other prepared photographic chemicals	14	X	X	310 086	14	X	X	142 594
3259925Y	Prepared photographic chemicals, nsk	N	X	X	35 613	N	X	X	N
3259925YVV	Prepared photographic chemicals, nsk	N	X	X	35 613	N	X	X	19 971
325992W	Photographic film, paper, plate, and chemical manufacturing, nsk, total	N	X	X	116 085	N	X	X	N
325992WY	Photographic film, paper, plate, and chemical manufacturing, nsk, total	N	X	X	116 085	N	X	X	N
325992WYWW	Photographic film, paper, plate, and chemical manufacturing, nsk, for nonadministrative-record establishments	N	X	X	28 575	N	X	X	N
325992WYWY	Photographic film, paper, plate, and chemical manufacturing, nsk, for administrative-record establishments	N	X	X	87 510	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
325998	All other miscellaneous chemical products	N	X	X	11 803 845	N	X	X	N
3259981	Evaporated salt (bulk, pressed blocks, and packaged), except table salt	N	X	X	433 405	N	X	X	N
32599811	Evaporated salt (bulk, pressed blocks, and packaged), except table salt	N	X	X	433 405	N	X	X	N
3259981100	Evaporated salt (bulk, pressed blocks, and packaged), except table salt 1,000 s tons..	16	X	P4 591.4	433 405	N	X	N	N
3259984	Matches	N	X	X	62 665	N	X	X	62 222
32599841	Matches	N	X	X	62 665	N	X	X	N
3259984100	Matches	4	X	X	62 665	9	X	X	62 222
3259987	Gelatin, except ready-to-eat desserts (including food grade, pharmaceutical, photographic, unfilled capsules, etc.)	N	X	X	445 300	N	X	X	314 076
32599871	Gelatin, except ready-to-eat desserts	N	X	X	445 300	N	X	X	N
3259987111	Food grade gelatin, excluding ready-to-eat desserts, pharmaceutical, and photographic grades mil lb..	9	X	S	136 189	7	X	51.5	87 855
3259987121	Pharmaceutical grade gelatin, except unfilled capsules mil lb..	5	X	P20.8	59 779	6	X	29.3	54 133
3259987131	Other gelatin products (unfilled capsules, gelatin sheets for theatrical use, photographic, or technical grade gelatin) mil lb..	8	X	S	249 332	5	X	D	D
3259987Y	Gelatin, except ready-to-eat desserts, nsk	N	X	X	—	N	X	X	N
3259987YVW	Gelatin, except ready-to-eat desserts, nsk	N	X	X	—	N	X	X	D
325998A	Water treating compounds	N	X	X	2 087 398	N	X	X	N
325998A1	Water treating compounds	N	X	X	2 087 398	N	X	X	N
325998A111	Swimming pool chemical preparations	17	X	X	455 173	25	X	X	324 474
325998A121	Cooling tower water treating compounds mil lb..	52	X	¶168.8	256 032	65	X	330.1	334 660
325998A131	Boiler water treating compounds mil lb..	66	X	S	219 205	79	X	204.7	213 129
325998A141	Other water treating compounds mil lb..	74	X	P1 425.3	1 156 988	88	X	1 395.9	1 031 660
325998AY	Water treating compounds, nsk	N	X	X	—	N	X	X	N
325998AYVW	Water treating compounds, nsk	N	X	X	—	N	X	X	N
325998E	Automotive chemicals	N	X	X	683 669	N	X	X	N
325998E1	Automotive chemicals	N	X	X	683 669	N	X	X	N
325998E111	Antifreeze preparations mil gal..	33	X	S	305 440	42	X	S	370 493
325998E121	Radiator additives	5	X	X	14 633	N	X	X	N
325998E131	Crankcase additives (excluding motor oils)	7	X	X	17 034	N	X	X	N
325998E141	Brake, transmission, and other automotive fluids	11	X	X	52 603	N	X	X	N
325998E151	Engine degreasers	4	X	X	3 187	N	X	X	N
325998E161	Carburetor and choke cleaners	9	X	X	36 571	N	X	X	N
325998E171	Deicers (windshield fluids, lock, etc.)	9	X	X	23 233	N	X	X	N
325998E181	Engine starting fluids	5	X	X	8 910	N	X	X	N
325998E191	Aerosol tire inflators	5	X	X	12 563	N	X	X	N
325998E1A1	Other automotive chemicals	22	X	X	209 495	N	X	X	N
325998EY	Automotive chemicals, nsk	N	X	X	—	N	X	X	N
325998EYVW	Automotive chemicals, nsk	N	X	X	—	N	X	X	N
325998H	Chemical preparations, nec, including essential oils @	N	X	X	6 498 819	N	X	X	N
325998H1	Chemical preparations, nec, including essential oils	N	X	X	5 494 905	N	X	X	N
325998H101	Citrus fruit essential oils (unblended, natural), including orange, lemon, and lime mil lb..	15	X	S	79 714	16	X	¶20.0	104 962
325998H103	Other essential oils (unblended, natural), including spearmint, peppermint, cedar wood, clove, and nutmeg oils mil lb..	14	X	S	175 337	23	X	P27.5	149 945
325998H106	Fireworks	10	X	X	20 813	20	X	X	22 915
325998H107	Pyrotechnics (including flares, jet fuel igniters, railroad torpedoes, toy pistol caps, etc.)	16	X	X	101 494	14	X	X	123 414
325998H109	Rubber processing preparations, including red lead and 2-mercaptoimidazole rubber accelerator composition mil lb..	4	X	S	91 988	11	X	P50.5	48 950
325998H111	Concrete curing and floor hardening materials	29	X	X	226 582	31	X	X	113 935
325998H121	Drilling mud materials (mud thinners, thickeners, and purifiers) mil lb..	16	X	S	122 372	14	X	98.7	48 971
325998H131	Chemical foundry supplies, including binders, core oils, core wash, etc.	15	X	X	279 810	20	X	X	240 480
325998H141	Household tints and dyes	1	X	D	D	4	X	D	D
325998H151	Metal-treating compounds (nonoil-base) for nitriding, pickling, drawing, and cutting	43	X	X	303 024	51	X	X	277 024

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
325998	All other miscellaneous chemical products—Con.								
325998H	Chemical preparations, nec, including essential oils @—Con.								
325998H1	Chemical preparations, nec, including essential oils—Con.								
325998H161	Oil-treating compounds (nonoil-base)	14	X	X	180 780	16	X	X	69 722
325998H171	Sizes (textile, paper, and other)	16	X	S	201 718	27	X	696.9	231 491
325998H181	Writing and stamp pad ink, including indelible ink and marking fluid, excluding drawing and printing inks	22	X	X	62 943	39	X	X	78 938
325998H191	Waterproofing compounds (textile, paper, electrical, leather, masonry, etc.)	17	X	X	41 877	34	X	X	187 585
325998H1A1	Plating compounds	19	X	S	229 279	30	X	S	181 233
325998H1B1	Lighter fluids (cigarette, charcoal, etc.)	4	X	D	D	12	X	46.9	61 078
325998H1C1	Waxes (animal, vegetable, mineral, including blends), except petroleum waxes and polishing preparations	20	X	X	261 708	18	X	X	D
325998H1D1	Distilled water	10	X	D	D	12	X	S	48 150
325998H1E1	Other industrial chemical specialties, including fluxes, plastics wood preparations, embalming preparations, etc.	197	X	X	3 006 193	N	X	X	N
325998HY	Chemical preparations, nec, nsk	N	X	X	1 003 914	N	X	X	N
325998HYWV	Chemical preparations, nec, nsk	N	X	X	1 003 914	N	X	X	N
325998W	Miscellaneous chemical products, nec, nsk, total	N	X	X	1 592 589	N	X	X	N
325998WY	Miscellaneous chemical products, nec, nsk, total	N	X	X	1 592 589	N	X	X	N
325998WYWW	Miscellaneous chemical products, nec, nsk, for nonadministrative-record establishments	N	X	X	1 314 829	N	X	X	N
325998WYWY	Miscellaneous chemical products, nec, nsk, for administrative-record establishments	N	X	X	277 760	N	X	X	N
326111	Plastics bags	N	X	X	6 950 803	N	X	X	N
3261111	Single-web film specialty bags, pouches, and liners	N	X	X	6 019 915	N	X	X	4 300 864
32611111	Polyethylene grocery and variety bags and pouches	N	X	X	1 283 054	N	X	X	N
3261111111	Polyethylene grocery and variety bags and pouches	81	X	S	1 283 054	60	X	S	745 632
326111112	Polyethylene refuse bags	N	X	X	1 369 087	N	X	X	N
32611111215	Polyethylene refuse bags	46	X	X	1 369 087	49	X	X	1 165 442
326111113	Polyethylene textile and clothing bags and pouches	N	X	X	179 560	N	X	X	N
32611111321	Polyethylene textile and clothing bags and pouches	42	X	S	179 560	42	X	X	216 112
326111114	Polyethylene household food storage bags and pouches (sandwich and freezer)	N	X	X	577 537	N	X	X	N
32611111431	Polyethylene household food storage bags and pouches (sandwich and freezer)	19	X	S	577 537	17	X	136.8	384 606
326111115	Other polyethylene specialty bags, pouches, and liners, single-web film	N	X	X	1 270 552	N	X	X	N
32611111541	Polyethylene produce bags	42	X	S	181 295	34	X	S	124 855
32611111551	Polyethylene drum and box liners	35	X	S	187 789	36	X	X	131 802
32611111561	Polyethylene shipping sacks	17	X	X	132 177	14	X	S	70 085
32611111571	Other polyethylene specialty bags, pouches, and liners	83	X	S	769 291	82	X	X	475 153
326111116	Coextruded film specialty bags, pouches, and liners	N	X	X	548 169	N	X	X	N
32611111681	Coextruded film specialty bags, pouches, and liners	22	X	X	548 169	21	X	X	364 265
326111117	Other single-web film specialty bags, pouches, and liners	N	X	X	230 154	N	X	X	N
32611111791	Other single-web film specialty bags, pouches, and liners	36	X	S	230 154	28	X	S	137 485
32611111Y	Single-web film specialty bags, pouches, and liners, nsk	N	X	X	561 802	N	X	X	N
32611111YWV	Single-web film specialty bags, pouches, and liners, nsk	N	X	X	561 802	N	X	X	485 427
32611113	Multiweb film-film specialty bags, pouches, and liners	N	X	X	427 192	N	X	X	N
326111131	Multiweb film-film specialty bags, pouches, and liners	N	X	X	427 192	N	X	X	N
32611113100	Multiweb film-film specialty bags, pouches, and liners	46	X	S	427 192	N	X	N	N

Table 1. **Products Statistics: 1997 and 1992—Con.**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS product code	Product	1997				1992			
		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
326111	Plastics bags—Con.								
326111W	Plastics bags, nsk, total	N	X	X	503 696	N	X	X	N
326111WY	Plastics bags, nsk, total	N	X	X	503 696	N	X	X	N
326111WYWW	Plastics bags, nsk, for nonadministrative-record establishments	N	X	X	386 804	N	X	X	N
326111WYWY	Plastics bags, nsk, for administrative-record establishments	N	X	X	116 892	N	X	X	N
326112	Unsupported plastics film and sheet for packaging	N	X	X	3 458 576	N	X	X	N
3261121	Coated single-web film, rolls and sheets (including coextruded), for flexible packaging use	N	X	X	1 844 318	N	X	X	1 015 003
32611211	Coated single-web film, rolls and sheets, for flexible packaging uses	N	X	X	970 558	N	X	X	N
3261121111	Coated single-web film, rolls and sheets, for flexible packaging uses..... 1,000 s tons..	62	X	S	970 558	53	X	S	510 597
32611212	Coextruded single-web film, for flexible packaging uses	N	X	X	803 591	N	X	X	N
3261121221	Coextruded single-web film, for flexible packaging uses..... 1,000 s tons..	33	X	S	803 591	29	X	S	453 349
3261121Y	Single-web film, coated rolls and sheets, including coextruded, for flexible packaging uses, nsk	N	X	X	70 169	N	X	X	N
3261121YWV	Single-web film, coated rolls and sheets, including coextruded, for flexible packaging uses, nsk	N	X	X	70 169	N	X	X	51 057
3261123	Film-film multiweb laminated rolls and sheets, for flexible packaging uses	N	X	X	1 400 302	N	X	X	N
32611231	Polypropylene-polypropylene multiweb laminated rolls and sheets, for flexible packaging uses	N	X	X	451 924	N	X	X	N
3261123111	Polypropylene-polypropylene multiweb laminated rolls and sheets, for flexible packaging uses..... 1,000 s tons..	27	X	P76.4	451 924	30	X	P97.1	455 858
32611232	Metalized film-film multiweb laminated rolls and sheets, for flexible packaging uses	N	X	X	203 512	N	X	X	N
3261123221	Metalized film-film multiweb laminated rolls and sheets, for flexible packaging uses..... 1,000 s tons..	27	X	S	203 512	29	X	32.0	155 779
32611233	Other film-film multiweb laminated rolls and sheets, for flexible packaging uses	N	X	X	570 977	N	X	X	N
3261123331	Cellophane-other film multiweb laminated rolls and sheets, for flexible packaging uses..... 1,000 s tons..	12	X	S	18 034	20	X	P9.9	44 981
3261123341	Other film-film multiweb laminated rolls and sheets, for flexible packaging uses	36	X	S	552 943	33	X	77.3	394 759
3261123Y	Film-film multiweb laminated rolls and sheets, for flexible packaging uses, nsk	N	X	X	173 889	N	X	X	N
3261123YWV	Film-film multiweb laminated rolls and sheets, for flexible packaging uses, nsk	N	X	X	173 889	N	X	X	N
326112W	Unsupported plastics film and sheet for packaging, nsk, total	N	X	X	213 956	N	X	X	N
326112WY	Unsupported plastics film and sheet for packaging, nsk, total	N	X	X	213 956	N	X	X	N
326112WYWW	Unsupported plastics film and sheet for packaging, nsk, for nonadministrative-record establishments	N	X	X	164 470	N	X	X	N
326112WYWY	Unsupported plastics film and sheet for packaging, nsk, for administrative-record establishments	N	X	X	49 486	N	X	X	N
326113	Unsupported plastics film and sheet (except packaging)	N	X	X	13 948 320	N	X	X	11 078 681

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
326113	Unsupported plastics film and sheet (except packaging)—Con.								
3261130	Unsupported plastics film and sheet for uses other than packaging	N	X	X	13 948 320	N	X	X	11 078 681
32611301	Unsupported polyethylene film and sheet	N	X	X	3 749 571	N	X	X	N
3261130121	Unsupported polyethylene film and sheet	218	X	X	3 749 571	262	X	X	3 235 417
32611302	Unsupported polypropylene film and sheet	N	X	X	1 422 659	N	X	X	N
3261130231	Unsupported polypropylene film and sheet	80	X	X	1 422 659	113	X	X	1 010 606
32611303	Unsupported vinyl and vinyl copolymer film and sheet	N	X	X	1 974 042	N	X	X	N
3261130341	Unsupported vinyl and vinyl copolymer film and sheet	97	X	X	1 974 042	129	X	X	2 092 042
32611304	Other unsupported plastics film and sheet	N	X	X	5 316 528	N	X	X	N
3261130449	Unsupported cellulosic film and sheet	20	X	X	293 907	27	X	X	224 286
3261130451	Unsupported acrylic film and sheet	32	X	X	389 325	N	X	X	N
3261130453	Other unsupported plastics film and sheet	166	X	X	4 633 296	N	X	X	N
3261130Y	Unsupported plastics film and sheet, except packaging, nsk	N	X	X	1 485 520	N	X	X	N
3261130YWW	Unsupported plastics film and sheet, except packaging, nsk, for nonadministrative-record establishments	N	X	X	1 004 141	N	X	X	895 274
3261130YWY	Unsupported plastics film and sheet, except packaging, nsk, for administrative-record establishments	N	X	X	481 379	N	X	X	58 059
326121	Unsupported plastics profile shapes	N	X	X	4 314 941	N	X	X	3 344 157
3261210	Unsupported plastics rods, tubes, profiles, and other shapes	N	X	X	4 314 941	N	X	X	3 344 157
32612101	Unsupported acrylate and methacrylate rods, tubes, profiles, and other shapes	N	X	X	266 617	N	X	X	N
3261210111	Unsupported acrylate and methacrylate rods, tubes, profiles, and other shapes	29	X	X	266 617	35	X	X	218 814
32612102	Unsupported polyamide (nylon) rods, tubes, profiles, and other shapes	N	X	X	179 150	N	X	X	N
3261210231	Unsupported polyamide (nylon) rods, tubes, profiles, and other shapes	38	X	X	179 150	51	X	X	173 924
32612103	Unsupported polyethylene rods, tubes, profiles, and other shapes	N	X	X	1 005 140	N	X	X	N
3261210341	Unsupported polyethylene rods, tubes, profiles, and other shapes	149	X	X	1 005 140	149	X	X	579 954
32612104	Unsupported polypropylene rods, tubes, profiles, and other shapes	N	X	X	334 393	N	X	X	N
3261210451	Unsupported polypropylene rods, tubes, profiles, and other shapes	102	X	X	334 393	108	X	X	270 891
32612105	Unsupported polystyrene rods, tubes, profiles, and other shapes	N	X	X	189 043	N	X	X	N
3261210561	Unsupported polystyrene rods, tubes, profiles, and other shapes	87	X	X	189 043	125	X	X	332 905
32612106	Unsupported vinyl and vinyl copolymer rods, tubes, profiles, and other shapes	N	X	X	800 826	N	X	X	N
3261210681	Unsupported vinyl and vinyl copolymer rods, tubes, profiles, and other shapes	122	X	X	800 826	162	X	X	594 257
32612107	Other unsupported plastics profile shapes	N	X	X	1 073 816	N	X	X	N
3261210787	Unsupported cellulosic rods, tubes, profiles, and other shapes	17	X	X	192 110	27	X	X	D
3261210789	Unsupported styrene copolymer rods, tubes, profiles, and other shapes	20	X	X	11 626	32	X	X	D
3261210791	Other unsupported plastics rods, tubes, profiles, and other shapes	142	X	X	870 080	180	X	X	605 879
3261210Y	Unsupported plastics profile shapes, nsk	N	X	X	465 956	N	X	X	N
3261210YWW	Unsupported plastics profile shapes, nsk, for nonadministrative-record establishments	N	X	X	265 210	N	X	X	264 037
3261210YWY	Unsupported plastics profile shapes, nsk, for administrative-record establishments	N	X	X	200 746	N	X	X	69 289

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
326122	Plastics pipe and pipe fittings	N	X	X	4 842 438	N	X	X	N
3261221	Plastics pipe	N	X	X	3 805 800	N	X	X	N
32612211	Plastics drain, waste, and vent pipe	N	X	X	682 506	N	X	X	N
3261221112	Plastics drain, waste, and vent pipe, PVC	44	X	X	451 348	N	X	X	N
3261221114	Plastics drain, waste, and vent pipe, ABS	19	X	X	138 031	N	X	X	N
3261221116	Plastics drain, waste, and vent pipe, other	30	X	X	93 127	N	X	X	N
32612213	Plastics water pipe	N	X	X	1 674 695	N	X	X	N
3261221321	Plastics water pipe, PVC (pressure pipe) Schedule 40	40	X	X	673 038	N	X	X	N
3261221323	Plastics water pipe, CPVC CTS	8	X	X	51 062	N	X	X	N
3261221325	Plastics water pipe, PE (polyethylene)	34	X	X	668 806	N	X	X	N
3261221327	Plastics water pipe, other	25	X	X	281 789	N	X	X	N
32612215	Plastics industrial and mining pipe (including chemical processing, food processing)	N	X	X	342 174	N	X	X	N
3261221531	Plastics industrial and mining pipe (including chemical processing, food processing), PVC (pressure pipe) Schedule 80	20	X	X	117 573	N	X	X	N
3261221533	Plastics industrial and mining pipe (including chemical processing, food processing), CPVC Schedule 80	10	X	X	29 087	N	X	X	N
3261221535	Plastics industrial and mining pipe (including chemical processing, food processing), other	27	X	X	195 514	N	X	X	N
32612216	Plastics sewer pipe	N	X	X	371 328	N	X	X	N
3261221641	Plastics sewer pipe	42	X	X	371 328	49	X	X	273 734
32612217	Plastics oil and gas pipe	N	X	X	257 819	N	X	X	N
3261221751	Plastics oil and gas pipe	17	X	X	257 819	26	X	X	280 247
32612219	Other plastics pipe	N	X	X	399 549	N	X	X	N
3261221991	Other plastics pipe	44	X	X	399 549	73	X	X	297 146
3261221Y	Plastics pipe, nsk	N	X	X	77 729	N	X	X	N
3261221YVV	Plastics pipe, nsk	N	X	X	77 729	N	X	X	N
3261223	Plastics pipe fittings and unions	N	X	X	673 433	N	X	X	N
32612231	Plastics pipe fittings and unions	N	X	X	673 433	N	X	X	N
3261223100	Plastics pipe fittings and unions	63	X	X	673 433	N	X	X	N
326122W	Plastics pipe and pipe fittings, nsk, total	N	X	X	363 205	N	X	X	N
326122WY	Plastics pipe and pipe fittings, nsk	N	X	X	363 205	N	X	X	N
326122WYWW	Plastics pipe and pipe fittings, nsk for nonadministrative-record establishments	N	X	X	197 195	N	X	X	N
326122WYWY	Plastics pipe and pipe fittings, nsk, for administrative-record establishments	N	X	X	166 010	N	X	X	N
326130	Laminated plastics plate, sheet and shapes	N	X	X	3 049 414	N	X	X	2 134 930
3261300	Plastics laminates (excluding flexible packaging)	N	X	X	3 049 414	N	X	X	2 134 930
32613001	Thermosetting plastics laminates (excluding flexible packaging)	N	X	X	741 952	N	X	X	N
3261300111	Thermosetting plastics laminates (excluding flexible packaging)	31	X	X	741 952	75	X	X	907 546
32613002	Thermoplastic plastics laminates (excluding flexible packaging)	N	X	X	315 057	N	X	X	N
3261300221	Thermoplastic plastics laminates (excluding flexible packaging)	38	X	X	315 057	54	X	X	279 121
32613003	Other plastics laminates (excluding flexible packaging)	N	X	X	1 664 912	N	X	X	N
3261300391	Other plastics laminates (excluding flexible packaging)	71	X	X	1 664 912	66	X	X	782 683
3261300Y	Laminated plastics plate and sheet, nsk	N	X	X	327 493	N	X	X	N
3261300YWW	Laminated plastics plate and sheet, nsk, for nonadministrative-record establishments	N	X	X	126 091	N	X	X	117 738
3261300YWY	Laminated plastics plate and sheet, nsk, for administrative-record establishments	N	X	X	201 402	N	X	X	47 842

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
326140	Polystyrene foam products	N	X	X	5 011 880	N	X	X	N
3261401	Transportation polystyrene foam products (including seating, dash, and other interior-exterior components)	N	X	X	188 849	N	X	X	N
32614011	Transportation polystyrene foam products (including seating, dash, and other interior-exterior components)	N	X	X	188 849	N	X	X	N
3261401100	Transportation polystyrene foam products (including seating, dash, and other interior-exterior components)	19	X	X	188 849	N	X	X	N
3261402	Packaging polystyrene foam products	N	X	X	1 282 519	N	X	X	N
32614021	Polystyrene foam food containers	N	X	X	538 874	N	X	X	N
3261402125	Polystyrene foam food containers	17	X	X	538 874	N	X	X	N
32614022	Polystyrene foam protective shipping pads and shaped cushioning and other foam packaging supplies	N	X	X	739 658	N	X	X	N
3261402255	Polystyrene foam protective shipping pads and shaped cushioning (peanuts, disks, etc.)	80	X	X	596 950	N	X	X	N
3261402295	Other polystyrene foam packaging products	37	X	X	142 708	N	X	X	N
3261402Y	Packaging, polystyrene, nsk	N	X	X	3 987	N	X	X	N
3261402YVV	Packaging, polystyrene, nsk	N	X	X	3 987	N	X	X	N
3261403	Building and construction polystyrene foam products	N	X	X	909 166	N	X	X	N
32614031	Building and construction polystyrene foam products	N	X	X	909 166	N	X	X	N
3261403115	Building and construction polystyrene foam insulation (including pipe and block)	61	X	X	729 494	N	X	X	N
3261403195	Other building and construction polystyrene foam products	27	X	X	179 672	N	X	X	N
3261403Y	Building and construction polystyrene foam, nsk	N	X	X	—	N	X	X	N
3261403YVV	Building and construction polystyrene foam, nsk	N	X	X	—	N	X	X	N
3261404	Furniture and furnishings polystyrene foam products	N	X	X	19 948	N	X	X	N
32614041	Furniture and furnishings polystyrene foam products	N	X	X	19 948	N	X	X	N
3261404100	Furniture and furnishings polystyrene foam products	8	X	X	19 948	N	X	X	N
3261405	Consumer and institutional polystyrene foam products	N	X	X	2 000 422	N	X	X	N
32614051	Polystyrene foam cups, consumer and institutional	N	X	X	1 172 771	N	X	X	N
3261405115	Polystyrene foam cups, consumer and institutional	17	X	X	1 172 771	N	X	X	N
32614052	Other consumer and institutional polystyrene foam products, including foam trays and cooler chests	N	X	X	778 866	N	X	X	N
3261405225	Polystyrene foam plates and bowls, consumer and institutional	12	X	X	409 899	N	X	X	N
3261405235	Polystyrene foam cooler chests, consumer and institutional	10	X	X	58 915	N	X	X	N
3261405245	Polystyrene foam trays, consumer and institutional	5	X	X	110 246	N	X	X	N
3261405295	Other consumer and institutional polystyrene foam products	21	X	X	199 806	N	X	X	N
3261405Y	Consumer and institutional polystyrene, nsk	N	X	X	48 785	N	X	X	N
3261405YVV	Consumer and institutional polystyrene, nsk	N	X	X	48 785	N	X	X	N
3261406	Miscellaneous polystyrene foam products, nec	N	X	X	169 913	N	X	X	N
32614061	Miscellaneous polystyrene foam products, nec	N	X	X	169 913	N	X	X	N
3261406115	Electrical and electronic polystyrene foam products	8	X	X	4 569	N	X	X	N
3261406195	Other polystyrene foam products	23	X	X	165 344	N	X	X	N
3261406Y	Miscellaneous polystyrene foam products, nec, nsk	N	X	X	—	N	X	X	N
3261406YVV	Miscellaneous polystyrene foam products, nec, nsk	N	X	X	—	N	X	X	N
326140W	Polystyrene foam products, nsk, total	N	X	X	441 063	N	X	X	N
326140WY	Polystyrene foam products, nsk, total	N	X	X	441 063	N	X	X	N
326140WYWW	Polystyrene foam products, nsk, for nonadministrative-record establishments	N	X	X	283 818	N	X	X	N
326140WYWY	Polystyrene foam products, nsk, for administrative-record establishments	N	X	X	157 245	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
326150	Urethane and foam products other than polystyrene	N	X	X	6 266 415	N	X	X	N
3261501	Transportation polyurethane foam products	N	X	X	1 274 418	N	X	X	N
32615011	Transportation polyurethane foam products	N	X	X	1 168 215	N	X	X	N
3261501101	Transportation polyurethane foam products, molded seating	16	X	X	474 036	N	X	X	N
3261501102	Transportation polyurethane foam products, cut slab stock for seating and trim	20	X	X	98 494	N	X	X	N
3261501103	Transportation polyurethane foam products, other molded including headrest, armrest, etc.	30	X	X	595 685	N	X	X	N
3261501Y	Transportation polyurethane foam products, nsk	N	X	X	106 203	N	X	X	N
3261501YVV	Transportation polyurethane foam products, nsk	N	X	X	106 203	N	X	X	N
3261502	Packaging polyurethane foam products	N	X	X	356 025	N	X	X	N
32615021	Packaging polyurethane foam products	N	X	X	342 491	N	X	X	N
3261502116	Polyurethane foam protective shipping pads and shaped cushioning (peanuts, disks, etc.)	46	X	X	97 964	N	X	X	N
3261502126	Polyurethane foam food containers	—	X	X	—	N	X	X	N
3261502196	Other polyurethane foam packaging products	33	X	X	244 527	N	X	X	N
3261502Y	Packaging, polyurethane, nsk	N	X	X	13 534	N	X	X	N
3261502YVV	Packaging, polyurethane, nsk	N	X	X	13 534	N	X	X	N
3261503	Building and construction polyurethane foam products	N	X	X	481 221	N	X	X	N
32615031	Building and construction polyurethane foam products	N	X	X	477 424	N	X	X	N
3261503116	Building and construction polyurethane foam insulation (including pipe and block)	24	X	X	287 933	N	X	X	N
3261503196	Other building and construction polyurethane foam products	19	X	X	189 491	N	X	X	N
3261503Y	Building and construction polyurethane foam, nsk	N	X	X	3 797	N	X	X	N
3261503YVV	Building and construction polyurethane foam, nsk	N	X	X	3 797	N	X	X	N
3261504	Furniture and furnishings polyurethane foam products	N	X	X	2 257 718	N	X	X	N
32615041	Polyurethane foam formed and slab stock for pillows, seating, and cushioning	N	X	X	902 697	N	X	X	N
3261504110	Polyurethane foam formed and slab stock for pillows, seating, and cushioning	36	X	X	902 697	N	X	X	N
32615042	Other polyurethane foam furniture and furnishings products	N	X	X	1 102 727	N	X	X	N
3261504215	Polyurethane foam carpet underlay, carpet and rug cushions, prime	12	X	X	350 011	N	X	X	N
3261504216	Polyurethane foam carpet underlay, carpet and rug cushions, bonded	11	X	X	289 127	N	X	X	N
3261504227	Polyurethane foam mattress cores (uncovered only)	11	X	X	60 325	N	X	X	N
3261504228	Polyurethane foam topper pads and quilting rolls	12	X	X	77 134	N	X	X	N
3261504237	Other furniture and furnishings polyurethane foam products	17	X	X	326 130	N	X	X	N
3261504Y	Furniture and furnishings polyurethane foam, nsk	N	X	X	252 294	N	X	X	N
3261504YVV	Furniture and furnishings polyurethane foam, nsk	N	X	X	252 294	N	X	X	N
3261505	Consumer and institutional polyurethane foam products	N	X	X	198 085	N	X	X	N
32615051	Consumer and institutional polyurethane foam products	N	X	X	198 085	N	X	X	N
3261505100	Consumer and institutional polyurethane foam products	38	X	X	198 085	N	X	X	N
3261506	Miscellaneous polyurethane foam products, nec	N	X	X	358 130	N	X	X	N
32615061	Miscellaneous polyurethane foam products, nec	N	X	X	351 516	N	X	X	N
3261506116	Electrical and electronic polyurethane foam products	33	X	X	202 276	N	X	X	N
3261506196	Other polyurethane foam products, including medical, clothing, fillers, diapers, etc.	26	X	X	149 240	N	X	X	N
3261506Y	Miscellaneous polyurethane foam products, nec, nsk	N	X	X	6 614	N	X	X	N
3261506YVV	Miscellaneous polyurethane foam products, nec, nsk	N	X	X	6 614	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
326150	Urethane and foam products other than polystyrene—Con.								
3261509	Products made of foam other than polystyrene or polyurethane including phenolics, vinyl and cellulose acetate, etc.	N	X	X	955 303	N	X	X	N
32615091	Products made of foam other than polystyrene or polyurethane including phenolics, vinyl and cellulose acetate, etc.	N	X	X	955 303	N	X	X	N
3261509100	Products made of foam other than polystyrene or polyurethane including phenolics, vinyl and cellulose acetate, etc.	84	X	X	955 303	N	X	X	N
326150W	Polyurethane and other foam products, nsk, total	N	X	X	385 515	N	X	X	N
326150WY	Polyurethane and other foam products, nsk, total	N	X	X	385 515	N	X	X	N
326150WYWW	Polyurethane and other foam products, nsk, for nonadministrative-record establishments	N	X	X	219 804	N	X	X	N
326150WYWY	Polyurethane and other foam products, nsk, for administrative-record establishments	N	X	X	165 711	N	X	X	N
326160	Plastics bottles	N	X	X	6 451 880	N	X	X	4 577 810
3261600	Plastics bottles	N	X	X	6 451 880	N	X	X	4 577 810
32616001	Plastics bottles	N	X	X	6 123 994	N	X	X	N
3261600100	Plastics bottles	183	X	X	6 123 994	N	X	X	N
3261600Y	Plastics bottles, nsk	N	X	X	327 886	N	X	X	N
3261600YWW	Plastics bottles, nsk, for nonadministrative-record establishments	N	X	X	248 408	N	X	X	N
3261600YWY	Plastics bottles, nsk, for administrative-record establishments	N	X	X	79 478	N	X	X	23 346
326191	Plastics plumbing fixtures	N	X	X	2 249 286	N	X	X	1 149 459
3261910	Plastics plumbing fixtures #	N	X	X	2 249 286	N	X	X	1 149 459
32619100	Plastics plumbing fixtures	N	X	X	2 148 822	N	X	X	N
3261910000	Plastics plumbing fixtures	367	X	X	2 148 822	N	X	X	N
3261910Y	Plastics plumbing fixtures, nsk, total	N	X	X	100 464	N	X	X	N
3261910YWW	Plastics plumbing fixtures, nsk, for nonadministrative-record establishments	N	X	X	—	N	X	X	N
3261910YWY	Plastics plumbing fixtures, nsk, for administrative-record establishments	N	X	X	100 464	N	X	X	47 324
326192	Resilient floor coverings	N	X	X	1 647 203	N	X	X	N
3261920	Resilient floor coverings	N	X	X	1 647 203	N	X	X	N
32619201	Resilient floor coverings	N	X	X	1 609 552	N	X	X	N
3261920110	Resilient floor coverings, sheet, including vinyl and rubber	10	X	X	810 885	N	X	X	N
3261920120	Resilient floor coverings, tile, including vinyl, vinyl composition, plain and adhesive-backed, no-wax, rubber, etc.	11	X	X	798 667	N	X	X	N
3261920Y	Resilient floor coverings, nsk	N	X	X	37 651	N	X	X	N
3261920YWW	Resilient floor coverings, nsk, for nonadministrative-record establishments	N	X	X	25 491	N	X	X	N
3261920YWY	Resilient floor coverings, nsk, for administrative-record establishments	N	X	X	12 160	N	X	X	N
326199	All other plastics products	N	X	X	61 936 258	N	X	X	N
3261991	Transportation fabricated plastics products (except foam and reinforced plastics)	N	X	X	12 906 473	N	X	X	8 167 794
32619911	Transportation fabricated plastics products (except foam and reinforced plastics)	N	X	X	11 851 135	N	X	X	N
3261991111	Fabricated plastics components, housings, accessories, and parts for motor vehicles (except foam and reinforced plastics)	725	X	X	10 576 165	661	X	X	7 125 998
3261991121	Fabricated plastics components, housings, accessories, and parts for aircraft, space equipment and missiles (except foam and reinforced plastics)	123	X	X	546 500	119	X	X	429 780
3261991131	Fabricated plastics components, housings, accessories, and parts for other transportation equipment (except foam and reinforced plastics)	225	X	X	728 470	184	X	X	255 410

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
326199	All other plastics products—Con.								
3261991	Transportation fabricated plastics products (except foam and reinforced plastics)—Con.								
3261991Y	Transportation fabricated plastics products (except foam and reinforced plastics), nsk	N	X	X	1 055 338	N	X	X	N
3261991YWV	Transportation fabricated plastics products (except foam and reinforced plastics), nsk	N	X	X	1 055 338	N	X	X	356 606
3261992	Electrical and electronic fabricated plastics products (except foam and reinforced plastics)	N	X	X	5 285 347	N	X	X	3 244 856
32619921	Electrical and electronic fabricated plastics products (except foam and reinforced plastics)	N	X	X	4 709 357	N	X	X	N
3261992111	Electrical and electronic fabricated plastics products for office, computing and accounting machines, cash registers, and data processing machines (except foam and reinforced plastics)	264	X	X	1 092 611	254	X	X	770 140
3261992121	Electrical and electronic fabricated plastics products for household and commercial appliances (except foam and reinforced plastics)	301	X	X	1 395 552	237	X	X	816 406
3261992131	Electrical and electronic fabricated plastics products for communications equipment (except foam and reinforced plastics)	190	X	X	641 629	145	X	X	335 387
3261992191	Other electrical and electronic fabricated plastics products, including wiring devices and parts (except foam and reinforced plastics)	437	X	X	1 579 565	389	X	X	1 034 212
3261992Y	Electrical and electronic fabricated plastics (except foam and reinforced plastics), nsk	N	X	X	575 990	N	X	X	N
3261992YWV	Electrical and electronic fabricated plastics (except foam and reinforced plastics), nsk	N	X	X	575 990	N	X	X	288 711
3261993	Industrial machinery plastics products, except foam (including gears, bearings, bushings, cams, and other components)	N	X	X	1 275 735	N	X	X	933 391
32619931	Industrial machinery plastics products, except foam (including gears, bearings, bushings, cams, and other components)	N	X	X	1 275 735	N	X	X	N
3261993100	Industrial machinery plastics products, except foam (including gears, bearings, bushings, cams, and other components)	498	X	X	1 275 735	452	X	X	933 391
3261994	Plastics packaging (except film and sheet, foam, and bottles)	N	X	X	8 369 157	N	X	X	6 048 659
32619941	Plastics packaging (except film and sheet, foam, and bottles)	N	X	X	7 654 134	N	X	X	N
3261994111	Plastics pails and drums, more than 3 gallons	56	X	X	1 146 746	50	X	X	684 497
3261994115	Plastics tubs (for food products)	37	X	X	575 217	46	X	X	689 134
3261994121	Plastics jars (for toilet goods, cosmetics, and food products)	43	X	X	228 957	53	X	X	346 675
3261994125	Plastics blister and bubble formed packaging	63	X	X	279 272	71	X	X	268 022
3261994131	Plastics shipping boxes and cases	75	X	X	460 293	78	X	X	264 409
3261994135	Plastics food trays (baskets, shipping boxes, and cases) (except foam)	62	X	X	582 454	59	X	X	404 322
3261994141	Plastics pallets	32	X	X	156 138	23	X	X	38 723
3261994145	Plastics nonpressure child-resistant closures, for prescription products	10	X	X	86 093	9	X	X	63 866
3261994151	Plastics nonpressure child-resistant closures, for all other products, including nonprescription products	20	X	X	189 189	30	X	X	96 869
3261994155	Plastics nonpressure nonchild-resistant closures, including dispensing and nondispensing	60	X	X	914 478	75	X	X	864 854
3261994161	Plastics closures for glass, metal, or plastics pressure containers	62	X	X	595 744	63	X	X	549 929
3261994191	Other plastics packaging	226	X	X	2 439 553	231	X	X	1 546 684
3261994Y	Plastics packaging (except film and sheet, foam, and bottles), nsk	N	X	X	715 023	N	X	X	N
3261994YWV	Plastics packaging (except film and sheet, foam, and bottles), nsk	N	X	X	715 023	N	X	X	230 675

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
326199	All other plastics products— Con.								
3261995	Plastics dinnerware, tableware, kitchenware, and oven-microwave ware (except foam and cups)	N	X	X	1 676 248	N	X	X	1 298 822
32619951	Plastics dinnerware, tableware, kitchenware and oven/microwave ware (except foam and cups)	N	X	X	1 549 717	N	X	X	N
3261995111	Plastics dinnerware and tableware (except foam)	57	X	X	877 681	67	X	X	657 991
3261995121	Plastics kitchenware (except foam and cups)	64	X	X	609 169	55	X	X	473 547
3261995131	Plastics oven/microwave ware (for use in conventional and microwave ovens) (except foam and cups)	14	X	X	62 867	27	X	X	132 938
3261995Y	Plastics dinnerware, tableware, kitchenware, and oven-microwave ware (except foam and cups), nsk	N	X	X	126 531	N	X	X	N
3261995YVV	Plastics dinnerware, tableware, kitchenware, and oven-microwave ware (except foam and cups), nsk	N	X	X	126 531	N	X	X	34 346
3261996	Consumer, institutional, and commercial fabricated plastics products (except foam and wire coated), nec @	N	X	X	13 135 914	N	X	X	N
32619961	Consumer, institutional, and commercial fabricated plastics products (except foam and wire coated), nec	N	X	X	12 046 501	N	X	X	N
3261996111	Plastics cups (except foam, including vending machines, over-the-counter, carryout, etc.)	39	X	X	768 285	57	X	X	482 790
3261996115	Plastics sinkware (flatware or dish drainers, drainer trays and mats, sink mats, sink strainers, dustpans, soapdishes, etc.) (except foam and wire coated)	22	X	X	45 929	20	X	X	78 869
3261996121	Plastics bathware (shower and bath caddies, shower and bathmats, tissue holders, toothbrush holders, toilet bowl brushes, etc.) (except foam and wire coated)	53	X	X	255 999	55	X	X	166 486
3261996125	Plastics utility containers (including buckets, pails, laundry baskets, vegetable bins, dishpans, etc.) (except foam)	74	X	X	730 415	78	X	X	324 566
3261996131	Plastics organizers and holders for closets, drawers, and shelves including paper towel holders, dust mop and broom holders, etc. (except foam and wire coated)	70	X	X	650 739	66	X	X	272 202
3261996135	Plastics wastebaskets (except foam)	30	X	X	87 164	24	X	X	80 910
3261996141	Plastics garbage and trash containers (excluding trash bags) (except foam)	31	X	X	232 567	44	X	X	268 900
3261996145	Plastics grower flowerpots and accessories (except foam and wire coated)	38	X	X	219 396	37	X	X	131 030
3261996151	Plastics decorative flowerpots, flower boxes, planters, and accessories (except foam and wire coated)	47	X	X	164 565	47	X	X	130 806
3261996155	Plastics picnic jugs, cooler chests, and ice buckets (except foam)	24	X	X	388 291	21	X	X	305 135
3261996161	Plastics hardware (including clamps, handles, hinges, locks, casters, knobs, nails, etc.) (except foam and wire coated)	126	X	X	297 914	117	X	X	212 970
3261996165	Plastics hospitalware (including pitchers, wash basins, trays, bedpans, etc.) (except foam and wire coated)	86	X	X	406 677	103	X	X	333 029
3261996171	Plastics laboratory ware (including petri dishes, flasks, funnels, etc.) (except foam and wire coated)	73	X	X	429 900	66	X	X	340 322
3261996175	Plastics individual packing boxes and cases for consumer products (except foam)	76	X	X	418 481	84	X	X	414 949
3261996181	Plastics sponges and scrubbing pads (except foam)	20	X	X	96 333	26	X	X	110 621
3261996185	Other consumer, institutional, and commercial plastics products (except foam and wire coated)	1 582	X	X	6 853 846	N	X	X	N
3261996Y	Consumer, institutional, and commercial fabricated plastics products (except foam and wire coated), nec, nsk	N	X	X	1 089 413	N	X	X	N
3261996YVV	Consumer, institutional, and commercial fabricated plastics products (except foam and wire coated), nec, nsk	N	X	X	1 089 413	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
326199	All other plastics products—Con.								
3261997	Plastics furniture components and furnishings (except foam and reinforced plastics)	N	X	X	733 735	N	X	X	N
32619971	Plastics furniture components and furnishings (excluding foam and reinforced plastics)	N	X	X	733 274	N	X	X	N
3261997111	Plastics furniture components, accessories, and parts (except foam and reinforced plastics)	188	X	X	523 400	164	X	X	449 298
3261997121	Other plastics furniture components and furnishings (including fixtures, mirror and picture frames, etc.) (except foam and reinforced plastics)	74	X	X	209 874	N	X	X	N
3261997Y	Plastics furniture components and furnishings (excluding foam and reinforced plastics), nsk	N	X	X	461	N	X	X	N
3261997YWV	Plastics furniture components and furnishings (excluding foam and reinforced plastics), nsk	N	X	X	461	N	X	X	N
3261998	Building and construction fabricated plastics products (except foam, plumbing fixtures, hardware, or reinforced plastics)	N	X	X	6 995 294	N	X	X	N
32619981	Building and construction fabricated plastics products	N	X	X	6 893 416	N	X	X	N
3261998111	Plastics corrugated and flat panels (except foam and reinforced plastics)	31	X	X	176 354	23	X	X	151 443
3261998131	Plastics doors, partitions, moldings, windows and frames, and decorative trim (except foam, hardware, and reinforced plastics)	381	X	X	3 348 619	275	X	X	1 411 449
3261998141	Plastics siding and accessories (including soffit, fascia, and skirts) (except foam and reinforced plastics)	49	X	X	1 569 172	36	X	X	1 001 513
3261998152	Building and construction plastics fittings and unions, other than pipe (except foam, plumbing fixtures, hardware, and reinforced plastics)	40	X	X	253 478	N	X	X	N
3261998171	Plastics wall and counter coverings, including wall and ceiling tile (except foam and reinforced plastics)	93	X	X	249 717	N	X	X	N
3261998181	Plastics swimming pool liners and covers (except foam and reinforced plastics)	24	X	X	81 975	26	X	X	58 038
3261998191	Other building and construction plastics products (except foam and reinforced plastics)	285	X	X	1 214 101	N	X	X	N
3261998Y	Building and construction fabricated plastics products, nsk	N	X	X	101 878	N	X	X	N
3261998YWV	Building and construction fabricated plastics products, nsk	N	X	X	101 878	N	X	X	N
3261999	Plastics shoe products, including taps, soling slabs, and quarterlinings	N	X	X	189 826	N	X	X	115 724
32619991	Plastics shoe products, including taps, soling slabs, and quarterlinings	N	X	X	189 826	N	X	X	N
3261999100	Plastics shoe products, including taps, soling slabs, and quarterlinings	21	X	X	189 826	33	X	X	115 724
326199A	Reinforced and fiberglass plastics products, nec	N	X	X	4 960 629	N	X	X	3 878 836
326199A1	Reinforced and fiberglass plastics products, nec	N	X	X	4 272 117	N	X	X	N
326199A111	Transportation reinforced and fiberglass plastics products	126	X	X	1 302 893	148	X	X	1 404 466
326199A121	Electrical and electronic reinforced and fiberglass plastics products	109	X	X	722 374	99	X	X	577 244
326199A131	Building and construction reinforced and fiberglass plastics products	122	X	X	874 164	126	X	X	674 158
326199A141	Other fabricated fiberglass and reinforced products (except furniture)	327	X	X	1 372 686	288	X	X	1 041 440
326199AY	Reinforced and fiberglass plastics products, nec, nsk	N	X	X	688 512	N	X	X	N
326199AYWV	Reinforced and fiberglass plastics products, nec, nsk	N	X	X	688 512	N	X	X	181 528
326199W	All other plastics products, nsk, total	N	X	X	6 407 900	N	X	X	N
326199WY	All other plastics products, nsk, total	N	X	X	6 407 900	N	X	X	N
326199WYWW	All other plastics products, nsk, for nonadministrative-record establishments	N	X	X	5 520 234	N	X	X	N
326199WYWY	All other plastics products, nsk, for administrative-record establishments	N	X	X	887 666	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
326211	Tires and tire retreading	N	X	X	14 326 101	N	X	X	11 315 809
3262111	Passenger car pneumatic tires (casings)	N	X	X	6 677 438	N	X	X	5 927 737
32621111	Passenger car pneumatic tires (casings)	N	X	X	6 665 420	N	X	X	N
3262111112	Radial passenger car pneumatic tires (casings)	11	X	202.1	6 597 684	12	X	237.2	5 852 837
3262111115	Other passenger car pneumatic tires (casings)	8	X	S	67 736	10	X	S	74 825
3262111Y	Passenger car pneumatic tires (casings), nsk	N	X	X	12 018	N	X	X	N
3262111YWV	Passenger car pneumatic tires (casings), nsk	N	X	X	12 018	N	X	X	75
3262113	Truck and bus (including off-highway) pneumatic tires	N	X	X	5 157 561	N	X	X	3 608 029
32621131	Light truck radial pneumatic tires	N	X	X	2 267 947	N	X	X	N
3262113111	Light truck (including off-the-highway) radial pneumatic tires	10	X	42.5	2 267 947	11	X	S	2 114 696
32621132	Other truck and bus pneumatic tires	N	X	X	2 832 612	N	X	X	N
3262113212	Other light truck (including off-the-highway) pneumatic tires	5	X	D	D	10	X	5.3	323 139
3262113221	Large off-the-highway (sizes 16.00 in. and larger) radial pneumatic tires	4	X	X	320 100	7	X	X	275 765
3262113222	Other large off-the-highway (sizes 16.00 in. and larger) pneumatic tires	4	X	X	D	9	X	X	D
3262113231	Other truck and bus radial pneumatic tires	9	X	X	2 168 637	3	X	X	D
3262113232	Other truck and bus pneumatic tires	3	X	X	D	4	X	X	D
3262113Y	Truck and bus (including off-the-highway pneumatic tires), nsk	N	X	X	57 002	N	X	X	N
3262113YWV	Truck and bus (including off-the-highway pneumatic tires), nsk	N	X	X	57 002	N	X	X	1 031
3262117	Tractor and implement (farm and industrial) pneumatic tires	N	X	X	807 777	N	X	X	433 183
32621171	Tractor and implement (farm and industrial) pneumatic tires	N	X	X	807 777	N	X	X	N
3262117100	Tractor and implement (farm and industrial) pneumatic tires	7	X	6.2	807 777	9	X	3.2	433 183
3262119	Industrial and utility pneumatic tires (including garden)	N	X	X	190 015	N	X	X	179 320
32621191	Industrial and utility pneumatic tires (including garden)	N	X	X	190 015	N	X	X	N
3262119100	Industrial and utility pneumatic tires (including garden)	3	X	S	190 015	7	X	P4.0	179 320
326211B	Other pneumatic tires and casings (including motorbike, motorcycle, moped, bicycle, aircraft, and mobile home)	N	X	X	200 260	N	X	X	158 185
326211B1	Other pneumatic tires and casings (including motorbike, motorcycle, moped, bicycle, aircraft, and mobile home)	N	X	X	200 260	N	X	X	N
326211B100	Other pneumatic tires and casings (including motorbike, motorcycle, moped, bicycle, aircraft, and mobile home)	10	X	X	200 260	N	X	X	N
326211D	Solid and semipneumatic tires	N	X	X	169 779	N	X	X	116 185
326211D1	Solid and semipneumatic tires	N	X	X	169 779	N	X	X	N
326211D139	Solid tires (industrial, highway, bogie, idler, and support rollers)	7	X	S	88 535	7	X	1.9	50 728
326211D152	Other solid and semipneumatic tires (including hand lawnmower, baby carriage, tricycle, juvenile, etc.)	5	X	X	81 244	7	X	X	64 204
326211DY	Solid and semipneumatic tires, nsk	N	X	X	—	N	X	X	N
326211DYWV	Solid and semipneumatic tires, nsk	N	X	X	—	N	X	X	1 253
326211F	Inner tubes	N	X	X	144 418	N	X	X	116 119
326211F1	Inner tubes	N	X	X	144 418	N	X	X	N
326211F121	Passenger car and motorcycle inner tubes	5	X	S	35 677	4	X	4.4	23 107
326211F123	Truck and bus inner tubes (including off-the-highway)	3	X	6.4	56 706	4	X	8.2	53 374
326211F127	All other inner tubes (including tractor and implement (farm and industrial), aircraft, industrial, utility, garden, and bicycle)	5	X	X	52 035	N	X	X	N
326211FY	Inner tubes, nsk	N	X	X	—	N	X	X	N
326211FYWV	Inner tubes, nsk	N	X	X	—	N	X	X	41

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
326211	Tires and tire retreading— Con.								
326211H	Tread rubber, tire sundries, and repair materials	N	X	X	870 252	N	X	X	721 865
326211H1	Tread rubber (camelback) (including slab rubber for use in automatic tread rubber extruding machines)	N	X	X	687 249	N	X	X	N
326211H111	Tread rubber (camelback) (including slab rubber for use in automatic tread rubber extruding machines)	11	X	X	687 249	14	X	X	601 691
326211H2	Tire flaps and other tire sundries	N	X	X	183 003	N	X	X	N
326211H231	Tire flaps	3	X	X	4 806	5	X	X	19 077
326211H239	Other tire sundries, repair materials, and tiring	12	X	X	178 197	16	X	X	82 360
326211HY	Tread rubber, tire sundries, and repair materials, nsk	N	X	X	—	N	X	X	N
326211HYWV	Tread rubber, tire sundries, and repair materials, nsk	N	X	X	—	N	X	X	18 737
326211W	Tires, nsk, total	N	X	X	108 601	N	X	X	55 186
326211WY	Tires, nsk, total	N	X	X	108 601	N	X	X	N
326211WYWW	Tires, nsk, for nonadministrative-record establishments	N	X	X	60 084	N	X	X	40 381
326211WYWY	Tires, nsk, for administrative-record establishments	N	X	X	48 517	N	X	X	14 805
326212	Tire retreading	N	X	X	785 747	N	X	X	N
3262120	Tire rebuilding and retreading	N	X	X	785 747	N	X	X	N
32621201	Tire rebuilding and retreading	N	X	X	662 608	N	X	X	N
3262120100	Tire rebuilding and retreading	215	X	X	662 608	N	X	X	N
3262120Y	Tire rebuilding and retreading, nsk	N	X	X	123 139	N	X	X	N
3262120YWW	Tire rebuilding and retreading, nsk, for nonadministrative-record establishments	N	X	X	71 932	N	X	X	N
3262120YWY	Tire rebuilding and retreading, nsk, for administrative-record establishments	N	X	X	51 207	N	X	X	N
326220	Rubber and plastics hoses and belting	N	X	X	3 893 536	N	X	X	2 628 997
3262201	Flat rubber and plastics belts and belting	N	X	X	611 106	N	X	X	470 735
32622011	Flat rubber and plastics belts and belting	N	X	X	604 988	N	X	X	N
3262201141	Lightweight flat rubber and plastics belts and belting	23	X	X	235 070	20	X	X	163 900
3262201143	Heavy-duty flat rubber and plastics belts and belting	15	X	X	248 064	8	X	X	179 955
3262201151	Other flat rubber and plastics belts and belting, including transmission	17	X	X	121 854	N	X	X	N
3262201Y	Rubber and plastics belts and belting, flat, nsk	N	X	X	6 118	N	X	X	N
3262201YWV	Rubber and plastics belts and belting, flat, nsk	N	X	X	6 118	N	X	X	38 184
3262202	Rubber and plastics transmission belts and belting other than flat	N	X	X	813 666	N	X	X	555 997
32622021	Motor vehicle rubber and plastics transmission belts and belting other than flat	N	X	X	408 865	N	X	X	N
3262202125	Motor vehicle rubber and plastics transmission belts and belting other than flat	6	X	X	408 865	6	X	X	277 639
32622022	All other rubber and plastics belts and belting other than flat	N	X	X	399 221	N	X	X	N
3262202231	Industrial (except fractional horsepower) rubber and plastics transmission belts and belting other than flat	11	X	X	297 268	14	X	X	196 643
3262202245	All other rubber and plastics belts and belting including agricultural and fractional horsepower, other than flat	14	X	X	101 953	N	X	X	N
3262202Y	Rubber and plastics transmission belts and belting other than flat, nsk	N	X	X	5 580	N	X	X	N
3262202YWV	Rubber and plastics transmission belts and belting other than flat, nsk	N	X	X	5 580	N	X	X	8 092

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
326220	Rubber and plastics hoses and belting—Con.								
3262203	Hose for on- and off-highway motor vehicles (made of rubber and other materials, including plastics and nylon)	N	X	X	948 356	N	X	X	571 280
32622031	Hose for on- and off-highway motor vehicles (made of rubber and other materials, including plastics and nylon)	N	X	X	948 356	N	X	X	N
3262203101	High-pressure rubber and plastics hose (greater than 300 psi working pressure), including air-conditioning, brake line, etc., for on- and off-highway motor vehicles	15	X	X	345 348	10	X	X	155 708
3262203105	Low-pressure rubber and plastics hose (less than 300 psi working pressure), including value of pre-positioned sleeves, clamps, etc., for on- and off-highway motor vehicles	16	X	X	603 008	12	X	X	414 656
3262203Y	Hose for on- and off-highway motor vehicles (made of rubber and other materials; e.g., plastics, nylon), nsk	N	X	X	—	N	X	X	N
3262203YVV	Hose for on- and off-highway motor vehicles (made of rubber and other materials; e.g., plastics, nylon), nsk	N	X	X	—	N	X	X	916
3262204	Industrial rubber and plastics hose without fittings (chemical handling, food and beverage, petroleum curb pump, dock, transfer, etc.)	N	X	X	453 363	N	X	X	211 616
32622041	Industrial rubber and plastics hose without fittings (chemical handling, food and beverage, petroleum curb pump, dock, transfer, etc.)	N	X	X	453 363	N	X	X	N
3262204100	Industrial rubber and plastics hose without fittings (chemical handling, food and beverage, petroleum curb pump, dock, transfer, etc.)	38	X	X	453 363	32	X	X	211 616
3262205	Rubber and plastics water hose (including fire, irrigation, water suction-discharge, and other water hose), nec	N	X	X	136 684	N	X	X	129 770
32622051	Rubber and plastics water hose (including fire, irrigation, water suction-discharge, and other water hose), nec	N	X	X	136 684	N	X	X	N
3262205100	Rubber and plastics water hose (including fire, irrigation, water suction-discharge, and other water hose), nec	17	X	X	136 684	21	X	X	129 770
3262206	Rubber and plastics garden hose with or without fittings	N	X	X	229 985	N	X	X	209 918
32622061	Rubber and plastics garden hose (with or without fittings)	N	X	X	229 985	N	X	X	N
3262206101	Plastics garden hose, with or without fittings, including perforated sprinkler	6	X	X	194 586	5	X	X	182 036
3262206105	Rubber garden hose, with or without fittings	6	X	X	35 399	4	X	X	27 882
3262206Y	Rubber and plastics garden hose (with or without fittings), nsk	N	X	X	—	N	X	X	N
3262206YVV	Rubber and plastics garden hose (with or without fittings), nsk	N	X	X	—	N	X	X	—
3262207	Rubber and plastics inner tube type airhose other than pneumatic power transfer	N	X	X	108 426	N	X	X	119 919
32622071	Rubber and plastics inner tube type airhose (other than pneumatic power transfer)	N	X	X	108 426	N	X	X	N
3262207125	Rubber inner tube type airhose, including rubber and plastics combinations (other than pneumatic power transfer)	9	X	X	50 561	N	X	X	N
3262207145	Nonrubber inner tube type airhose (other than pneumatic power transfer)	8	X	X	57 865	N	X	X	N
3262207Y	Airhose (other than pneumatic power transfer), nsk	N	X	X	—	N	X	X	N
3262207YVV	Airhose (other than pneumatic power transfer), nsk	N	X	X	—	N	X	X	6 700

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
326220	Rubber and plastics hoses and belting—Con.								
3262208	Pneumatic and hydraulic inner tube type hose without fittings (made of rubber and other materials, including plastics and nylon), nec	N	X	X	496 526	N	X	X	287 944
32622081	Pneumatic and hydraulic inner tube type hose, nec, without fittings (made of rubber and other materials, including plastics and nylon)	N	X	X	472 603	N	X	X	N
3262208125	Rubber inner tube type pneumatic and hydraulic hose, nec (including rubber and plastics combinations), without fittings	13	X	X	435 441	N	X	X	N
3262208145	Nonrubber inner tube type pneumatic and hydraulic hose, nec, without fittings	9	X	X	37 162	N	X	X	N
3262208Y	Pneumatic and hydraulic hose, nec, without fittings (made of rubber and other materials - e.g., plastics, nylon), nsk	N	X	X	23 923	N	X	X	N
3262208YVW	Pneumatic and hydraulic hose, nec, without fittings (made of rubber and other materials - e.g., plastics, nylon), nsk	N	X	X	23 923	N	X	X	3 010
326220W	Rubber and plastics hoses and belting, nsk	N	X	X	95 424	N	X	X	71 818
326220WY	Rubber and plastics hoses and belting, nsk	N	X	X	95 424	N	X	X	N
326220WYWW	Rubber and plastics hoses and belting, nsk, for nonadministrative-record establishments	N	X	X	52 457	N	X	X	57 524
326220WYWY	Rubber and plastics hoses and belting, nsk, for administrative-record establishments	N	X	X	42 967	N	X	X	14 294
326291	Rubber products for mechanical use	N	X	X	6 247 657	N	X	X	4 476 835
3262911	Molded rubber mechanical goods, automotive	N	X	X	2 288 382	N	X	X	1 685 626
32629111	Molded rubber mechanical goods, automotive	N	X	X	2 288 382	N	X	X	N
3262911100	Molded rubber mechanical goods, automotive	157	X	X	2 288 382	141	X	X	1 685 626
3262912	Molded rubber mechanical goods, transportation (except automotive) and off-highway machinery and equipment	N	X	X	547 974	N	X	X	315 356
32629121	Molded rubber mechanical goods, transportation (except automotive) and off-highway machinery and equipment	N	X	X	547 974	N	X	X	N
3262912100	Molded rubber mechanical goods, transportation (except automotive) and off-highway machinery and equipment	116	X	X	547 974	92	X	X	315 356
3262913	Molded rubber mechanical goods, nec	N	X	X	1 240 962	N	X	X	964 072
32629131	Molded rubber mechanical goods, nec	N	X	X	1 240 962	N	X	X	N
3262913100	Molded rubber mechanical goods, nec	272	X	X	1 240 962	283	X	X	964 072
3262914	Extruded rubber mechanical goods, automotive (except tubing)	N	X	X	1 225 339	N	X	X	721 653
32629141	Extruded rubber mechanical goods, automotive (except tubing)	N	X	X	1 225 339	N	X	X	N
3262914100	Extruded rubber mechanical goods, automotive (except tubing)	55	X	X	1 225 339	39	X	X	721 653
3262915	Extruded rubber mechanical goods (except automotive)	N	X	X	528 983	N	X	X	429 330
32629151	Extruded rubber mechanical goods (except automotive)	N	X	X	528 983	N	X	X	N
3262915100	Extruded rubber mechanical goods (except automotive)	104	X	X	528 983	96	X	X	429 330
3262916	Lathe-cut rubber mechanical goods, automotive and transportation (including on- and off-road, and gasoline and diesel equipment)	N	X	X	104 622	N	X	X	67 637
32629161	Lathe-cut rubber mechanical goods, automotive and transportation (including on- and off-road, and gasoline and diesel equipment)	N	X	X	104 622	N	X	X	N
3262916100	Lathe-cut rubber mechanical goods, automotive and transportation (including on- and off-road, and gasoline and diesel equipment)	15	X	X	104 622	13	X	X	67 637

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326291	Rubber products for mechanical use—Con.								
3262917	Lathe-cut rubber mechanical goods (except automotive and transportation)	N	X	X	87 325	N	X	X	50 046
32629171	Lathe-cut rubber mechanical goods (except automotive and transportation)	N	X	X	87 325	N	X	X	N
3262917100	Lathe-cut rubber mechanical goods (except automotive and transportation)	30	X	X	87 325	30	X	X	50 046
326291W	Rubber products for mechanical use, nsk, total	N	X	X	224 070	N	X	X	243 115
326291WY	Rubber products for mechanical use, nsk	N	X	X	224 070	N	X	X	N
326291WYWW	Rubber products for mechanical use, nsk, for nonadministrative-record establishments	N	X	X	63 544	N	X	X	174 532
326291WYWY	Rubber products for mechanical use, nsk, for administrative-record establishments	N	X	X	160 526	N	X	X	68 583
326299	All other rubber products	N	X	X	7 788 382	N	X	X	N
3262991	Rubber sponge, expanded and foam rubber products	N	X	X	1 183 712	N	X	X	1 001 809
32629911	Latex foam products	N	X	X	237 279	N	X	X	N
3262991111	Latex foam, for automotive applications	6	X	X	D	10	X	X	66 692
3262991115	Latex foam, for upholstery (sheet and slab stock)	9	X	X	28 794	15	X	X	34 721
3262991121	Latex foam, for carpet and rug cushions	7	X	X	42 714	7	X	X	62 891
3262991125	Other latex foam products (including clothing, insulation and padding, hospital padding, and topper pads)	29	X	X	D	31	X	X	174 556
32629912	Chemically blown and open and closed rubber sponges	N	X	X	901 226	N	X	X	N
3262991231	Chemically blown open cell rubber sponge for carpet and rug cushions	16	X	X	120 338	8	X	X	60 911
3262991235	Chemically blown open cell rubber sponge for automotive applications	10	X	X	16 193	9	X	X	32 172
3262991241	Chemically blown open cell rubber sponge for other uses	30	X	X	204 516	30	X	X	165 315
3262991245	Chemically blown closed cell rubber sponge for automotive applications	21	X	X	240 399	17	X	X	132 413
3262991251	Chemically blown closed cell rubber sponge for appliances, air-conditioning, and refrigeration	10	X	X	40 338	10	X	X	64 679
3262991255	Chemically blown closed cell rubber sponge for construction applications	13	X	X	50 527	10	X	X	25 591
3262991261	Chemically blown closed cell rubber sponge for other uses	37	X	X	228 915	40	X	X	133 042
3262991Y	Sponge, expanded and foam rubber products, nsk	N	X	X	45 207	N	X	X	N
3262991YWV	Sponge, expanded and foam rubber products, nsk	N	X	X	45 207	N	X	X	48 826
3262993	Rubber floor and wall coverings	N	X	X	717 181	N	X	X	N
32629931	Rubber floor and wall coverings	N	X	X	694 241	N	X	X	N
3262993121	Rubber floor mats, matting, and stair treads, in rolls	21	X	X	100 054	N	X	X	N
3262993131	Individual rubber automotive floor mats and matting	9	X	X	356 496	10	X	X	N
3262993141	All other individual rubber floor mats and matting (including stair treads)	25	X	X	160 942	N	X	X	N
3262993151	Other rubber floor and wall coverings (including cove base, wainscoting, etc.)	11	X	X	76 749	N	X	X	N
3262993Y	Rubber floor and wall coverings, nsk	N	X	X	22 940	N	X	X	N
3262993YWV	Rubber floor and wall coverings, nsk	N	X	X	22 940	N	X	X	N
3262994	Rubber shoe products, elastomer resin	N	X	X	131 345	N	X	X	140 044
32629941	Shoe products, rubber, elastomer resin	N	X	X	131 345	N	X	X	N
3262994111	Rubber shoe heels and soles	11	X	X	89 738	11	X	X	51 468
3262994121	Rubber shoe soling slabs and top lift sheets	2	X	X	D	8	X	X	51 407
3262994131	Rubber shoe unit soles (sole and heel combinations)	5	X	X	D	7	X	X	36 161
3262994Y	Shoe products, rubber, elastomer resin, nsk	N	X	X	—	N	X	X	N
3262994YWV	Shoe products, rubber, elastomer resin, nsk	N	X	X	—	N	X	X	1 008

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326299	All other rubber products—Con.								
3262995	Rubber druggist and medical sundries (including household gloves) @	N	X	X	905 133	N	X	X	N
32629951	Rubber druggist and medical sundries, including household gloves	N	X	X	850 467	N	X	X	N
3262995131	Rubber nipples and pacifiers	7	X	X	65 384	8	X	X	D
3262995151	Rubber household and surgical gloves (including rubberized)	17	X	X	338 388	N	X	X	N
3262995181	Other rubber druggist and medical sundries (including diaphragms, prophylactics, ice bags, caps, water bottles, fountain syringes, and combinations)	30	X	X	446 695	N	X	X	N
3262995Y	Rubber druggist and medical sundries, including household gloves, nsk	N	X	X	54 666	N	X	X	N
3262995YWV	Rubber druggist and medical sundries, including household gloves, nsk	N	X	X	54 666	N	X	X	101 431
3262996	Rubber compounds or mixtures for sale or interplant transfer	N	X	X	1 549 610	N	X	X	1 210 168
32629961	Rubber compounds or mixtures for sale or interplant transfer	N	X	X	1 549 610	N	X	X	N
3262996100	Rubber compounds or mixtures for sale or interplant transfer	58	X	X	1 549 610	70	X	X	1 210 168
3262997	Industrial rubber products, nec	N	X	X	1 753 580	N	X	X	1 239 712
32629971	Industrial rubber products, nec	N	X	X	1 676 726	N	X	X	N
3262997111	Pressure-sensitive tape, rubber-backed (including friction)	18	X	X	77 813	17	X	X	52 193
3262997115	Graphics arts roll coverings, rubber and plastics (printing trade)	47	X	X	202 248	37	X	X	106 253
3262997125	Paper mill roll coverings, rubber	12	X	X	144 317	10	X	X	132 564
3262997131	Industrial roll coverings, rubber (excluding steel mills and plastics)	48	X	X	167 969	37	X	X	56 512
3262997135	Other roll coverings, rubber (including steel mills and plastics)	38	X	X	84 365	36	X	X	71 835
3262997137	Single-ply rubber membrane roofing	8	X	X	350 766	7	X	X	308 987
3262997141	Vulcanized film and sheet rubber	33	X	X	300 985	38	X	X	202 092
3262997145	Vulcanizable elastomeric linings	17	X	X	50 873	16	X	X	26 059
3262997151	Printers' rubber blankets	15	X	X	183 263	13	X	X	133 691
3262997155	Other industrial rubber products (including jar rings and fuel cells)	23	X	X	114 127	37	X	X	94 240
3262997Y	Industrial rubber products, nec, nsk	N	X	X	76 854	N	X	X	N
3262997YWV	Industrial rubber products, nec, nsk	N	X	X	76 854	N	X	X	55 286
3262998	Rubber gloves and clothing	N	X	X	171 433	N	X	X	N
32629981	Industrial rubber gloves and other rubber clothing	N	X	X	171 433	N	X	X	N
3262998111	Industrial rubber gloves	15	X	X	100 303	15	X	X	58 647
3262998121	Other rubber clothing (including wet suits, rainwear, aprons, dress shields, baby pants, bathing and shower caps)	23	X	X	71 130	20	X	X	66 721
3262998Y	Rubber gloves and clothing, nsk	N	X	X	—	N	X	X	N
3262998YWV	Rubber gloves and clothing, nsk	N	X	X	—	N	X	X	N
3262999	Rubber goods, nec	N	X	X	908 065	N	X	X	907 085
32629991	Other rubber goods	N	X	X	867 454	N	X	X	N
3262999111	Hard rubber battery jars, boxes, and parts	3	X	X	3 501	4	X	X	5 225
3262999115	Other hard rubber mechanical goods	14	X	X	35 538	21	X	X	39 734
3262999121	Reclaimed rubber	6	X	X	29 821	9	X	X	26 413
3262999125	Rubber thread, bare	2	X	X	D	3	X	X	D
3262999131	Rubber boats, pontoons, and life rafts	8	X	X	87 621	17	X	X	56 370
3262999135	Rubber balloons (toy, advertising, meteorological, etc.)	13	X	X	150 597	20	X	X	147 340
3262999141	Rubber stationers' sundries (including bands, finger cots, and erasers, but excluding pencil plugs)	3	X	X	D	6	X	X	25 206
3262999145	Rubber toys (including balls, except balloons and dolls)	15	X	X	17 187	11	X	X	42 066
3262999151	Rubber tank blocks, treads, and band tracks	3	X	X	D	4	X	X	D
3262999155	Other rubber goods	109	X	X	D	107	X	X	311 120
3262999Y	Other rubber goods, nsk	N	X	X	40 611	N	X	X	N
3262999YWV	Other rubber goods, nsk	N	X	X	40 611	N	X	X	14 431
326299W	All other rubber products, nsk, total	N	X	X	468 323	N	X	X	N
326299WY	All other rubber products, nsk	N	X	X	468 323	N	X	X	N
326299WYWV	All other rubber products, nsk, for nonadministrative-record establishments	N	X	X	278 213	N	X	X	N
326299WYWY	All other rubber products, nsk, for administrative-record establishments	N	X	X	190 110	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
327111	Vitreous plumbing fixtures	N	X	X	984 343	N	X	X	807 202
3271110	Vitreous plumbing fixtures, accessories, and fittings	N	X	X	984 343	N	X	X	807 202
32711101	China plumbing fixtures	N	X	X	826 039	N	X	X	N
3271110110	China plumbing fixtures	14	X	X	826 039	12	X	X	771 191
32711102	China plumbing fixture accessories and fittings, including earthenware	N	X	X	147 414	N	X	X	N
3271110211	China plumbing fixture accessories and fittings (including towel racks, soap cups, etc.)	9	X	X	26 576	9	X	X	D
3271110221	Earthenware plumbing fixtures, accessories, and fittings	8	X	X	120 838	2	X	X	D
3271110Y	Vitreous plumbing fixtures, nsk	N	X	X	10 890	N	X	X	N
3271110YWW	Vitreous plumbing fixtures, nsk, for nonadministrative-record establishments	N	X	X	8	N	X	X	11 432
3271110YWY	Vitreous plumbing fixtures, nsk, for administrative-record establishments	N	X	X	10 882	N	X	X	6 328
327112	Vitreous china, fine earthenware and other pottery products	N	X	X	1 489 643	N	X	X	N
3271121	Vitreous china, porcelain, and earthenware (semivitreous) table and kitchenware (including bone and feldspar)	N	X	X	418 642	N	X	X	N
32711211	Vitreous china, porcelain, and earthenware (semivitreous) table and kitchenware (including bone and feldspar)	N	X	X	418 642	N	X	X	N
3271121100	Vitreous china, porcelain, and earthenware (semivitreous) table and kitchenware (including bone and feldspar)	42	X	X	418 642	N	X	X	N
3271124	Pottery products, nec (including china decorating for the trade)	N	X	X	1 005 781	N	X	X	N
32711241	Pottery products, nec (including china decorating for the trade)	N	X	X	996 843	N	X	X	N
3271124111	China and porcelain pottery products (including china decorating for the trade), art, decorative, and novelty potteryware (including vases, lamp bases, figures)	52	X	X	131 800	50	X	X	110 236
3271124121	Earthenware and stoneware pottery products (including china decorating for the trade)	125	X	X	194 581	112	X	X	152 667
3271124131	Stoneware table and kitchen articles, household and commercial (for serving, cooking, and storing food and drink), pottery products (including china decorating for the trade)	49	X	X	132 423	38	X	X	77 160
3271124136	Other nonmetallic mineral statuary and art goods (factory production)	63	X	X	211 775	48	X	X	129 088
3271124141	Chemical, technical, and industrial potteryware (including chemical stoneware and porcelain, pyrometric tubes, etc.)	13	X	X	74 694	17	X	X	107 923
3271124151	Red unglazed earthenware (flowerpots, etc.)	15	X	X	30 782	12	X	X	20 935
3271124161	All other pottery products, nec, (including pyrometric cones, veritas rings, etc.)	72	X	X	220 788	31	X	X	47 885
3271124Y	Pottery products, nec, nsk	N	X	X	8 938	N	X	X	N
3271124YWW	Pottery products, nec, nsk	N	X	X	8 938	N	X	X	N
327112W	Vitreous china, fine earthenware, and other pottery products, nsk, total	N	X	X	65 220	N	X	X	N
327112WY	Vitreous china, fine earthenware, and other pottery products, nsk	N	X	X	65 220	N	X	X	N
327112WYWW	Vitreous china, fine earthenware, and other pottery products, nsk, for nonadministrative-record establishments	N	X	X	8 931	N	X	X	N
327112WYWY	Vitreous china, fine earthenware, and other pottery products, nsk, for administrative-record establishments	N	X	X	56 289	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
327113	Porcelain electrical supplies	N	X	X	1 208 806	N	X	X	886 883
3271130	Porcelain, steatite, and other ceramic electrical products	N	X	X	1 208 806	N	X	X	886 883
32711301	All wet process voltage products and components	N	X	X	270 004	N	X	X	N
3271130111	Pin-type porcelain electrical insulators and line posts, wet process voltage products shipped as complete insulators	7	X	X	40 750	7	X	X	24 084
3271130121	Suspension-type porcelain electrical insulators, 7 one-half inch disc and smaller, wet process voltage products shipped as complete insulators	3	X	X	D	4	X	X	13 097
3271130131	Suspension-type porcelain electrical insulators, larger than 7 one-half inch disc, wet process voltage products shipped as complete insulators	3	X	X	D	4	X	X	27 700
3271130141	Switch and bus porcelain electrical insulators (including cap-and-pin, and post types), wet process voltage products shipped as complete insulators	5	X	X	39 825	7	X	X	52 654
3271130151	All other porcelain electrical insulators (including guy strain insulators and spools), wet process voltage products shipped as complete insulators	10	X	X	72 728	9	X	X	75 393
3271130161	Wet process voltage products shipped as porcelain pieces only for component parts of other electrical equipment	8	X	X	90 519	9	X	X	65 012
32711302	Steatite electrical products	N	X	X	70 380	N	X	X	N
3271130211	Steatite electrical products	10	X	X	70 380	12	X	X	22 605
32711303	Other ceramic electrical products and components for electronic applications	N	X	X	771 549	N	X	X	N
3271130311	All dry process electrical porcelain (including porcelain parts for wiring devices, fuses, circuit breakers, etc.)	12	X	X	186 046	9	X	X	148 753
3271130321	Ceramic permanent magnets	18	X	X	132 624	22	X	X	145 764
3271130331	Other ferrites	12	X	X	144 147	10	X	X	48 411
3271130341	Alumina materials for electronic application	18	X	X	112 929	22	X	X	44 174
3271130351	Beryllia, titanate, and other ceramic electrical products and components for electronic applications nec	24	X	X	195 803	28	X	X	171 917
3271130Y	Porcelain electrical supplies, nsk	N	X	X	96 873	N	X	X	N
3271130YWW	Porcelain electrical supplies, nsk, for nonadministrative-record establishments	N	X	X	59 848	N	X	X	36 898
3271130YWY	Porcelain electrical supplies, nsk, for administrative-record establishments	N	X	X	37 025	N	X	X	10 421
327121	Brick and structural clay tile	N	X	X	1 336 425	N	X	X	1 053 655
3271210	Brick and structural clay tile @	N	X	X	1 336 425	N	X	X	1 053 655
32712101	Building or common brick	N	X	X	1 213 090	N	X	X	N
3271210110	Building or common brick	75	X	X	1 213 090	86	X	X	960 762
32712102	Glazed brick and other brick (paving, floor, and sewer)	N	X	X	65 156	N	X	X	N
3271210211	Other brick (paving, floor, and sewer)	21	X	X	44 753	17	X	X	24 263
3271210220	Glazed brick and structural hollow tile	7	X	X	20 403	5	X	X	28 628
3271210Y	Brick and structural clay tile, nsk	N	X	X	58 179	N	X	X	N
3271210YWW	Brick and structural clay tile, nsk, for nonadministrative-record establishments	N	X	X	43 425	N	X	X	32 579
3271210YWY	Brick and structural clay tile, nsk, for administrative-record establishments	N	X	X	14 754	N	X	X	7 423
327122	Ceramic wall and floor tile	N	X	X	804 762	N	X	X	677 683

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
327122	Ceramic wall and floor tile—Con.								
3271220	Clay floor and wall tile, glazed and unglazed (including quarry tile and ceramic mosaic tile) @	N	X	X	804 762	N	X	X	677 683
32712200	Clay floor and wall tile, glazed and unglazed (including quarry tile and ceramic mosaic tile)	N	X	X	774 962	N	X	X	N
3271220000	Clay floor and wall tile, glazed and unglazed (including quarry tile and ceramic mosaic tile)	53	X	X	774 962	N	X	X	N
3271220Y	Ceramic wall and floor tile, nsk	N	X	X	29 800	N	X	X	N
3271220YWW	Ceramic wall and floor tile, nsk, for nonadministrative-record establishments	N	X	X	1 073	N	X	X	N
3271220YWY	Ceramic wall and floor tile, nsk, for administrative-record establishments	N	X	X	28 727	N	X	X	14 689
327123	Other structural clay products, nec	N	X	X	120 284	N	X	X	122 471
3271231	Vitrified clay sewer pipe and fittings	N	X	X	46 531	N	X	X	42 851
32712310	Vitrified clay sewer pipe and fittings	N	X	X	46 531	N	X	X	N
3271231000	Vitrified clay sewer pipe and fittings	6	X	X	46 531	7	X	X	42 851
3271234	Other structural clay products, nec (architectural terra cotta, drain tile, flue tile, roofing tile, conduit, etc.), except clay refractories	N	X	X	63 929	N	X	X	63 464
32712341	Other structural clay products, nec (architectural terra cotta, drain tile, flue tile, roofing tile, conduit, etc.), except clay refractories	N	X	X	63 929	N	X	X	N
3271234100	Other structural clay products, nec (architectural terra cotta, drain tile, flue tile, roofing tile, conduit, etc.), except clay refractories	23	X	X	63 929	26	X	X	63 464
327123W	Other structural clay products, nec, nsk, total	N	X	X	9 824	N	X	X	16 156
327123WY	Other structural clay products, nec, nsk, total	N	X	X	9 824	N	X	X	N
327123WYWW	Other structural clay products, nec, nsk, for nonadministrative-record establishments	N	X	X	1 682	N	X	X	11 374
327123WYWY	Other structural clay products, nec, nsk, for administrative-record establishments	N	X	X	8 142	N	X	X	4 782
327124	Clay refractories	N	X	X	1 128 727	N	X	X	779 149
3271240	Clay refractories @	N	X	X	1 128 727	N	X	X	779 149
32712400	Clay refractories	N	X	X	1 095 548	N	X	X	N
3271240000	Clay refractories	88	X	X	1 095 548	N	X	X	N
3271240Y	Clay refractories, nsk	N	X	X	33 179	N	X	X	N
3271240YWW	Clay refractories, nsk, for nonadministrative-record establishments	N	X	X	198	N	X	X	N
3271240YWY	Clay refractories, nsk, for administrative-record establishments	N	X	X	32 981	N	X	X	9 248
327125	Nonclay refractories	N	X	X	1 480 190	N	X	X	1 201 100
3271250	Nonclay refractories (except dead-burned magnesia) @	N	X	X	1 480 190	N	X	X	1 201 100
32712500	Nonclay refractories (except dead-burned magnesia)	N	X	X	1 417 263	N	X	X	N
3271250000	Nonclay refractories (except dead-burned magnesia)	60	X	X	1 417 263	N	X	X	N
3271250Y	Nonclay refractories, nsk	N	X	X	62 927	N	X	X	N
3271250YWW	Nonclay refractories, nsk, for nonadministrative-record establishments	N	X	X	27 774	N	X	X	N
3271250YWY	Nonclay refractories, nsk, for administrative-record establishments	N	X	X	35 153	N	X	X	12 236

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
327211	Flat glass	N	X	X	2 669 034	N	X	X	1 993 958
3272111	Flat glass (float, sheet, and plate), made by flat glass producers @	N	X	X	1 888 468	N	X	X	1 400 727
32721110	Flat glass (float, sheet, and plate), made by flat glass producers	N	X	X	1 888 468	N	X	X	N
3272111000	Flat glass (float, sheet, and plate), made by flat glass producers	6	X	X	1 888 468	7	X	X	1 400 727
3272113	Laminated glass, made by flat glass producers	N	X	X	D	N	X	X	D
32721131	Laminated glass, made by flat glass producers	N	X	X	D	N	X	X	N
3272113100	Laminated glass, made by flat glass producers \$	2	X	X	D	2	X	X	D
3272115	Other glass products, nec, made by flat glass producers	N	X	X	D	N	X	X	D
32721151	Other glass products, made by flat glass producers	N	X	X	D	N	X	X	N
3272115111	Rolled and wire glass, made by flat glass producers	3	X	X	39 262	4	X	X	N
3272115121	Tempered glass for construction, architectural, and automotive purposes, made by flat glass producers \$	5	X	X	443 671	5	X	X	292 135
3272115131	Tempered glass for other uses, such as for appliances, made by flat glass producers \$	—	X	X	—	1	X	X	D
3272115141	Multiple-glazed, sealed insulating glass units, made by flat glass producers \$	2	X	X	D	2	X	X	D
3272115191	Other glass products (including such items as bent, enameled, stained, leaded, faceted, and colored glass slabs), made by flat glass producers	7	X	X	50 088	9	X	X	N
3272115Y	Other glass products, nsk	N	X	X	—	N	X	X	N
3272115YWV	Other glass products, nsk	N	X	X	—	N	X	X	—
327211W	Flat glass, nsk, total	N	X	X	13	N	X	X	574
327211WY	Flat glass, nsk	N	X	X	13	N	X	X	N
327211WYWW	Flat glass, nsk, for nonadministrative-record establishments	N	X	X	13	N	X	X	574
327211WYWY	Flat glass, nsk, for administrative-record establishments	N	X	X	—	N	X	X	—
327212	Other pressed and blown glass and glassware	N	X	X	5 920 910	N	X	X	4 088 155
3272121	Glass fiber, textile-type, made by establishments producing glass	N	X	X	1 939 530	N	X	X	1 264 398
32721211	Glass fiber mat, textile-type, made by establishments producing glass	N	X	X	354 711	N	X	X	N
3272121111	Glass fiber mat, textile-type, made by establishments producing glass	7	X	X	354 711	7	X	X	230 970
32721212	Other glass fiber, textile-type (including yarn, strand, staple yarn, sliver, roving, chopped strand, and milled glass fiber), made by establishments producing glass	N	X	X	1 571 286	N	X	X	N
3272121221	Other glass fiber, textile-type (including yarn, strand, staple yarn, sliver, roving, chopped strand, and milled glass fiber), made by establishments producing glass	8	X	X	1 571 286	6	X	X	1 030 604
3272121Y	Glass fiber, textile-type, nsk	N	X	X	13 533	N	X	X	N
3272121YVV	Glass fiber, textile-type, nsk	N	X	X	13 533	N	X	X	2 824
3272123	Machine-made pressed and blown table, kitchen, art, and novelty glassware, made by establishments producing glass #	N	X	X	989 377	N	X	X	784 842
32721230	Machine-made pressed and blown table, kitchen, art, and novelty glassware, made by establishments producing glass	N	X	X	989 377	N	X	X	N
3272123000	Machine-made pressed and blown table, kitchen, art, and novelty glassware, made by establishments producing glass \$	18	X	X	989 377	18	X	X	784 842

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
327212	Other pressed and blown glass and glassware—Con.								
3272125	Machine-made pressed and blown lighting, automotive, and electronic glassware, made by establishments producing glass #.....	N	X	X	1 697 238	N	X	X	1 157 259
32721250	Machine-made pressed and blown lighting, automotive, and electronic glassware, made by establishments producing glass #.....	N	X	X	1 697 238	N	X	X	N
3272125000	Machine-made pressed and blown lighting, automotive, and electronic glassware, made by establishments producing glass \$.....	15	X	X	1 697 238	16	X	X	1 157 259
3272127	All other machine-made pressed and blown glassware, made by establishments producing glass #.....	N	X	X	960 153	N	X	X	646 428
32721270	All other machine-made pressed and blown glassware (including technical and scientific glassware, glass blocks, and lens blanks), made by establishments producing glass #.....	N	X	X	960 153	N	X	X	N
3272127000	All other machine-made pressed and blown glassware (including technical and scientific glassware, glass blocks, and lens blanks), made by establishments producing glass \$.....	28	X	X	960 153	33	X	X	646 428
3272129	Handmade pressed and blown glassware, made by establishments producing glass #.....	N	X	X	173 923	N	X	X	118 497
32721290	Handmade pressed and blown glassware, made by establishments producing glass #.....	N	X	X	173 923	N	X	X	N
3272129000	Handmade pressed and blown glassware, made by establishments producing glass \$.....	39	X	X	173 923	30	X	X	118 497
327212W	Other pressed and blown glass and glassware, nsk, total	N	X	X	160 689	N	X	X	116 731
327212WY	Other pressed and blown glass and glassware, nec, nsk	N	X	X	160 689	N	X	X	N
327212WYWW	Other pressed and blown glass and glassware, nec, nsk, for nonadministrative-record establishments	N	X	X	19 603	N	X	X	46 516
327212WYWY	Other pressed and blown glass and glassware, nec, nsk, for administrative-record establishments	N	X	X	141 086	N	X	X	70 215
327213	Glass containers	N	X	X	4 176 306	N	X	X	4 816 199
3272130	Glass containers (including value of packaging) @	N	X	X	4 176 306	N	X	X	4 816 199
32721300	Glass containers (including value of packaging)	N	X	X	4 176 306	N	X	X	N
3272130000	Glass containers (including value of packaging)	11	X	249.0	4 176 306	N	X	N	N
3272130Y	Glass containers, nsk	N	X	X	—	N	X	X	N
3272130YWW	Glass containers, nsk, for nonadministrative-record establishments	N	X	X	—	N	X	X	N
3272130YWY	Glass containers, nsk, for administrative-record establishments	N	X	X	—	N	X	X	—
327215	Glass products made of purchased glass	N	X	X	9 699 106	N	X	X	6 885 370
3272151	Machine-made pressed and blown table, kitchen, art, and novelty glassware, made in establishments not producing glass #.....	N	X	X	539 238	N	X	X	N
32721510	Machine-made pressed and blown table, kitchen, art, and novelty glassware, made in establishments not producing glass #.....	N	X	X	539 238	N	X	X	N
3272151000	Machine-made pressed and blown table, kitchen, art, and novelty glassware, made in establishments not producing glass \$.....	32	X	X	539 238	N	X	X	N

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327215	Glass products made of purchased glass—Con.								
3272153	All other machine-made pressed and blown glassware, made in establishments not producing glass #	N	X	X	911 786	N	X	X	N
32721530	All other machine-made pressed and blown glassware (including lighting, automotive, electronic, scientific, laboratory, industrial, and technical), made in establishments not producing glass	N	X	X	911 786	N	X	X	N
3272153000	All other machine-made pressed and blown glassware (including lighting, automotive, electronic, scientific, laboratory, industrial, and technical), made in establishments not producing glass \$	85	X	X	911 786	N	X	X	N
3272155	Handmade pressed and blown glassware, made in establishments not producing glass #	N	X	X	141 138	N	X	X	151 162
32721550	Handmade pressed and blown glassware, made in establishments not producing glass	N	X	X	141 138	N	X	X	N
3272155000	Handmade pressed and blown glassware, made in establishments not producing glass \$	38	X	X	141 138	46	X	X	151 162
3272157	Laminated glass, made in establishments not producing glass	N	X	X	D	N	X	X	D
32721571	Laminated glass, made in establishments not producing glass	N	X	X	D	N	X	X	N
3272157100	Laminated glass, made in establishments not producing glass #	37	X	X	D	40	X	X	D
3272159	Mirrors (decorated or undecorated), made in establishments not producing glass	N	X	X	1 040 404	N	X	X	803 325
32721591	Mirrors (decorated or undecorated), made in establishments not producing glass	N	X	X	1 038 897	N	X	X	N
3272159111	Framed mirrors (decorated or undecorated), made in establishments not producing glass	80	X	X	279 598	74	X	X	264 675
3272159121	Unframed mirrors (decorated or undecorated), made in establishments not producing glass	57	X	X	278 871	63	X	X	252 649
3272159131	Automotive mirrors (decorated or undecorated), made in establishments not producing glass	16	X	X	480 428	19	X	X	270 954
3272159Y	Mirrors (decorated or undecorated), nsk	N	X	X	1 507	N	X	X	N
3272159YVV	Mirrors (decorated or undecorated), nsk	N	X	X	1 507	N	X	X	15 047
327215A	Other glass products, nec, made in establishments not producing glass	N	X	X	D	N	X	X	D
327215A1	Tempered glass, made in establishments not producing glass	N	X	X	2 036 643	N	X	X	N
327215A111	Tempered glass for construction, architectural, and automotive purposes, made in establishments not producing glass \$	71	X	X	1 762 666	82	X	X	1 541 342
327215A121	Tempered glass for other uses, such as for appliances, made in establishments not producing glass \$	26	X	X	273 977	30	X	X	D
327215A2	Optical glass fiber, data and nondata transmission, made in establishments not producing glass	N	X	X	1 213 360	N	X	X	N
327215A231	Optical glass fiber, data and nondata transmission, made in establishments not producing glass #	12	X	X	1 213 360	12	X	X	556 338
327215A3	Other glass products not listed above, made in establishments not producing glass	N	X	X	D	N	X	X	N
327215A341	Glass and glass fiber optical components, made in establishments not producing glass	8	X	X	57 777	10	X	X	14 707
327215A351	Multiple-glazed, sealed insulating glass units, made in establishments not producing glass #	73	X	X	D	99	X	X	D
327215A361	Stained, leaded, and faceted glass and colored glass slabs, made in establishments not producing glass	54	X	X	47 585	64	X	X	52 687

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
327215	Glass products made of purchased glass—Con.								
327215A	Other glass products, nec, made in establishments not producing glass—Con.								
327215A3	Other glass products not listed above, made in establishments not producing glass—Con.								
327215A391	Other glass products, nec, made in establishments not producing glass.....	158	X	X	1 262 031	169	X	X	509 913
327215AY	Other glass products, made in establishments not producing glass, nsk	N	X	X	24 334	N	X	X	N
327215AYWV	Other glass products, made in establishments not producing glass, nsk	N	X	X	24 334	N	X	X	98 089
327215W	Glass products, made of purchased glass, nsk, total	N	X	X	604 663	N	X	X	380 169
327215WY	Glass products, made of purchased glass, nsk	N	X	X	604 663	N	X	X	N
327215WYWW	Glass products, made of purchased glass, nsk, for nonadministrative-record establishments	N	X	X	337 764	N	X	X	242 766
327215WYWY	Glass products, made of purchased glass, nsk, for administrative-record establishments	N	X	X	266 899	N	X	X	137 403
327310	Cement, hydraulic	N	X	X	6 351 646	N	X	X	3 928 575
3273100	Cement, hydraulic (including cost of shipping containers)	N	X	X	6 351 646	N	X	X	3 928 575
32731001	Normal portland cement ASTM type I, hydraulic (including cost of shipping containers)	N	X	X	3 660 639	N	X	X	N
3273100111	Normal portland cement ASTM type I, hydraulic (including cost of shipping containers), 1,000 s tons..	44	X	55 063.0	3 660 639	45	X	49 707.8	2 425 358
32731002	Portland cement, moderate heat of hydration (moderate sulfate resistance) ASTM type II, hydraulic (including cost of shipping containers)	N	X	X	1 198 464	N	X	X	N
3273100211	Portland cement, moderate heat of hydration (moderate sulfate resistance) ASTM type II, hydraulic (including cost of shipping containers), 1,000 s tons..	29	X	P17 780.0	1 198 464	35	X	13 834.4	719 904
32731003	Other portland hydraulic cements, including ASTM type III, ASTM type IV, and ASTM type V	N	X	X	707 845	N	X	X	N
3273100311	Portland cement, high early strength ASTM type III, hydraulic (including cost of shipping containers), 1,000 s tons..	30	X	4 797.7	343 988	30	X	2 510.7	134 947
3273100321	Portland cement, high sulfate resistance ASTM type V, hydraulic (including cost of shipping containers), 1,000 s tons..	13	X	P1 021.1	86 925	13	X	1 632.6	85 573
3273100331	Other portland hydraulic cements (oil well, white cement, blended cements, etc.) including low heat of hydration ASTM type IV (including cost of shipping containers), 1,000 s tons..	24	X	S	276 932	22	X	2 246.5	141 778
32731004	Other cements	N	X	X	558 627	N	X	X	N
3273100411	Masonry cement, hydraulic (including cost of shipping containers), 1,000 s tons..	34	X	94 735.5	438 992	32	X	2 916.5	209 580
3273100421	Other cements (natural, hydraulic lime, etc.) (including cost of shipping containers), 1,000 s tons..	17	X	S	90 530	17	X	738.5	54 499
3273100431	Cement clinker, for sale separately, hydraulic (including cost of shipping containers), 1,000 s tons..	10	X	S	29 105	10	X	P891.5	28 228
3273100Y	Cement, hydraulic, nsk	N	X	X	226 071	N	X	X	N
3273100YWW	Cement, hydraulic, nsk, for nonadministrative-record establishments	N	X	X	114 825	N	X	X	116 745
3273100YWY	Cement, hydraulic, nsk, for administrative-record establishments	N	X	X	111 246	N	X	X	11 963

Table 1. **Products Statistics: 1997 and 1992—Con.**

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NAICS product code	Product	1997				1992			
		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
327320	Ready-mixed concrete	N	X	X	15 909 843	N	X	X	10 911 488
3273200	Ready-mixed concrete	N	X	X	15 909 843	N	X	X	10 911 488
32732001	Ready-mixed concrete	N	X	X	15 193 332	N	X	X	N
3273200100	Ready-mixed concrete	1 952	X	X	15 193 332	N	X	X	N
3273200Y	Ready-mixed concrete, nsk	N	X	X	716 511	N	X	X	N
3273200YWW	Ready-mixed concrete, nsk, for nonadministrative-record establishments	N	X	X	242 160	N	X	X	N
3273200YWY	Ready-mixed concrete, nsk, for administrative-record establishments	N	X	X	474 351	N	X	X	331 266
327331	Concrete block and brick	N	X	X	2 392 435	N	X	X	1 669 853
3273310	Concrete block and brick	N	X	X	2 392 435	N	X	X	1 669 853
32733101	Structural block, lightweight units (units made with concrete weighing less than 105 lb per cubic foot) (dry weight)	N	X	X	604 799	N	X	X	N
3273310111	Structural block, lightweight units (units made with concrete weighing less than 105 lb per cubic foot) (dry weight)	271	X	S	604 799	329	X	S	483 427
32733102	Structural block, mediumweight units (units made with concrete weighing at least 105 lb but less than 125 lb per cubic foot) (dry weight)	N	X	X	232 842	N	X	X	N
3273310211	Structural block, mediumweight units (units made with concrete weighing at least 105 lb but less than 125 lb per cubic foot) (dry weight)	117	X	S	232 842	120	X	N	148 399
32733103	Structural block, normalweight units (units made with concrete weighing at least 125 lb per cubic foot) (dry weight)	N	X	X	602 577	N	X	X	N
3273310311	Structural block, normalweight units (units made with concrete weighing at least 125 lb per cubic foot) (dry weight)	312	X	S	602 577	384	X	S	484 041
32733104	Decorative block (such as screen block, split block, slump block, shadowal block, etc.)	N	X	X	213 616	N	X	X	N
3273310411	Decorative block (such as screen block, split block, slump block, shadowal block, etc.)	158	X	X	213 616	164	X	X	128 032
32733105	Concrete pavers (including grid, interlocking, etc.)	N	X	X	170 621	N	X	X	N
3273310511	Concrete pavers (including grid, interlocking, etc.)	83	X	X	170 621	88	X	X	108 424
32733106	Concrete brick	N	X	X	110 609	N	X	X	N
3273310611	Concrete brick	72	X	X	110 609	59	X	X	52 698
3273310Y	Concrete block and brick, nsk	N	X	X	457 371	N	X	X	N
3273310YWW	Concrete block and brick, nsk, for nonadministrative-record establishments	N	X	X	400 519	N	X	X	209 063
3273310YWY	Concrete block and brick, nsk, for administrative-record establishments	N	X	X	56 852	N	X	X	55 769
327332	Concrete pipe	N	X	X	1 783 463	N	X	X	N
3273320	Concrete pipe	N	X	X	1 783 463	N	X	X	N
32733201	Concrete culvert pipe	N	X	X	259 522	N	X	X	N
3273320111	Concrete reinforced culvert pipe, 36 inches or more	62	X	[¶] 1 417.6	163 280	67	X	[¶] 1 599.5	153 078
3273320121	Concrete reinforced culvert pipe, less than 36 inches	41	X	[¶] 1 021.1	83 958	53	X	[¶] 1 080.0	87 846
3273320131	Concrete nonreinforced culvert pipe	9	X	X	12 284	9	X	X	8 574
32733202	Concrete storm sewer pipe	N	X	X	597 598	N	X	X	N
3273320211	Concrete reinforced storm sewer pipe, 36 inches or more	70	X	[¶] 2 668.6	290 449	73	X	[¶] 2 139.1	186 935
3273320221	Concrete reinforced storm sewer pipe, less than 36 inches	69	X	3 019.9	296 205	71	X	[¶] 1 973.1	168 357
3273320231	Concrete nonreinforced storm sewer pipe	7	X	X	10 944	6	X	X	8 306

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NAICS product code	Product	1997				1992			
		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
327332	Concrete pipe—Con.								
3273320	Concrete pipe—Con.								
32733203	Concrete pipe, except concrete culvert pipe and concrete storm sewer pipe	N	X	X	784 249	N	X	X	N
3273320311	Concrete reinforced sanitary sewer pipe, 24 inches or more	35	X	91 129.8	111 772	44	X	917.8	82 233
3273320321	Concrete reinforced sanitary sewer pipe, less than 24 inches	16	X	199.5	18 245	23	X	S	17 256
3273320331	Concrete nonreinforced sanitary sewer pipe	6	X	X	3 546	5	X	X	4 261
3273320341	Reinforced concrete pressure pipe	10	X	X	89 759	5	X	X	18 321
3273320351	Prestressed concrete cylinder pressure pipe	11	X	X	61 428	6	X	X	90 706
3273320361	Pretensioned concrete cylinder pipe and other pressure pipe	5	X	X	102 455	4	X	X	N
3273320371	Concrete irrigation pipe and drain tile	12	X	X	13 838	16	X	X	22 414
3273320381	Other concrete pipe (such as manholes and conduits)	161	X	X	383 206	173	X	X	N
3273320Y	Concrete pipe, nsk	N	X	X	142 094	N	X	X	N
3273320YVW	Concrete pipe, nsk for nonadministrative-record establishments	N	X	X	133 821	N	X	X	N
3273320YWY	Concrete pipe, nsk for administrative-record establishments	N	X	X	8 273	N	X	X	N
327390	Concrete products, except block, brick, and pipe	N	X	X	5 693 775	N	X	X	N
3273901	Precast concrete products	N	X	X	3 200 936	N	X	X	N
32739011	Precast concrete slabs and tile, roof and floor units	N	X	X	315 220	N	X	X	N
3273901111	Precast concrete slabs and tile, roof and floor units	64	X	X	315 220	51	X	X	306 741
32739012	Precast concrete architectural wall panels	N	X	X	452 900	N	X	X	N
3273901211	Precast concrete architectural wall panels	96	X	X	452 900	126	X	X	297 817
32739013	Burial vaults and boxes, precast concrete	N	X	X	338 165	N	X	X	N
3273901311	Burial vaults, precast concrete	256	X	X	265 654	301	X	X	233 369
3273901321	Burial boxes, precast concrete	111	X	X	72 511	100	X	X	58 249
32739014	Precast concrete products, except burial vaults and boxes, concrete slabs and tile, and architectural wall panels	N	X	X	1 934 327	N	X	X	N
3273901411	Precast concrete joists and beams, roof and floor units	19	X	X	46 380	19	X	X	12 747
3273901421	Precast concrete piling, posts, and poles	21	X	X	50 139	22	X	X	27 619
3273901431	Precast concrete stone products for architectural purposes (except architectural wall panels, such as window sills, ashlar, etc.)	129	X	X	262 124	96	X	X	61 755
3273901441	Precast concrete, prefabricated building systems, primarily concrete, sold as complete units, and shipped in panel or modular form	60	X	X	230 771	49	X	X	133 023
3273901451	Other precast concrete construction or building products (including prefabricated housing components)	205	X	X	542 490	225	X	X	403 799
3273901461	Septic tanks, precast concrete	301	X	X	187 585	273	X	X	151 214
3273901471	Other precast concrete products (except construction or building products)	267	X	X	614 838	254	X	X	291 509
3273901Y	Precast concrete products, nsk	N	X	X	160 324	N	X	X	N
3273901YVW	Precast concrete products, nsk	N	X	X	160 324	N	X	X	N
3273904	Prestressed concrete products	N	X	X	1 342 329	N	X	X	914 329
32739041	Prestressed concrete bridge beams	N	X	X	205 193	N	X	X	N
3273904111	Prestressed concrete bridge beams	50	X	3 169.0	205 193	73	X	3 883.4	230 520
32739042	Prestressed concrete solid and hollow cored slabs and panels	N	X	X	228 716	N	X	X	N
3273904211	Prestressed concrete solid and hollow cored slabs and panels	60	X	47 941.7	228 716	87	X	50 967.2	202 047
32739043	Prestressed concrete products, except bridge beams and solid and hollow cored slabs and panels	N	X	X	806 890	N	X	X	N
3273904311	Prestressed concrete single tees, double tees, and channels	54	X	S	359 036	60	X	31 728.8	147 830
3273904321	Prestressed concrete piling, bearing piles, and sheet piles	28	X	S	86 789	37	X	7 123.4	83 727
3273904331	Prestressed concrete joists, girders, and beams (other than bridge beams)	32	X	S	64 632	43	X	1 649.3	50 519
3273904341	Other prestressed concrete products (such as arches, columns, etc.)	49	X	S	296 433	53	X	1 303.7	146 664

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		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
327390	Concrete products, except block, brick, and pipe—Con.								
3273904	Prestressed concrete products—Con.								
3273904Y	Prestressed concrete products, nsk	N	X	X	101 530	N	X	X	N
3273904YVW	Prestressed concrete products, nsk	N	X	X	101 530	N	X	X	53 022
327390W	Concrete products, nec, nsk, total	N	X	X	1 150 510	N	X	X	N
327390WY	Concrete products, nec, nsk, total	N	X	X	1 150 510	N	X	X	N
327390WYWW	Concrete products, nec, nsk, for nonadministrative-record establishments	N	X	X	950 161	N	X	X	N
327390WYWY	Concrete products, nec, nsk, for administrative-record establishments	N	X	X	200 349	N	X	X	N
327410	Lime	N	X	X	1 110 143	N	X	X	850 856
3274100	Lime @	N	X	X	1 110 143	N	X	X	850 856
32741001	Quicklime, including cost of containers	N	X	X	696 748	N	X	X	N
3274100111	Quicklime, including cost of containers	30	X	13 165.7	696 748	36	X	P12 516.2	614 108
32741002	Hydrated lime, including cost of containers	N	X	X	184 759	N	X	X	N
3274100211	Hydrated lime, including cost of containers	25	X	P3 189.8	184 759	28	X	P1 874.2	124 491
32741003	Other lime, including cost of containers	N	X	X	174 234	N	X	X	N
3274100310	Dead-burned dolomite, including cost of containers	8	X	P1 673.4	94 406	8	X	396.5	28 292
3274100321	Other lime, including cost of containers	18	X	S	79 828	21	X	P569.9	37 134
3274100Y	Lime, nsk.	N	X	X	54 402	N	X	X	N
3274100YVW	Lime, nsk, for nonadministrative-record establishments	N	X	X	45 667	N	X	X	45 480
3274100YWY	Lime, nsk, for administrative-record establishments	N	X	X	8 735	N	X	X	1 351
327420	Gypsum and gypsum products	N	X	X	4 025 075	N	X	X	N
3274201	Gypsum building materials	N	X	X	3 475 824	N	X	X	1 614 344
32742011	Gypsum plaster building boards and lath	N	X	X	3 106 116	N	X	X	N
3274201111	Gypsum plaster building boards and lath	29	X	P24 345.8	3 106 116	20	X	P18 000.1	1 377 987
32742012	Gypsum building plasters	N	X	X	363 625	N	X	X	N
3274201211	Gypsum building plasters	18	X	X	363 625	10	X	X	222 091
3274201Y	Gypsum building materials, nsk	N	X	X	6 083	N	X	X	N
3274201YVW	Gypsum building materials, nsk	N	X	X	6 083	N	X	X	14 266
3274204	Other gypsum products	N	X	X	474 847	N	X	X	N
32742041	Other gypsum products	N	X	X	472 387	N	X	X	N
3274204111	Industrial plasters, gypsum	7	X	X	129 735	8	X	X	67 501
3274204121	Moldings, ornamental and architectural plaster work	23	X	X	37 134	N	X	X	N
3274204131	Other calcined gypsum products	36	X	X	305 518	24	X	X	209 510
3274204Y	Other gypsum products, nsk	N	X	X	2 460	N	X	X	N
3274204YVW	Other gypsum products, nsk	N	X	X	2 460	N	X	X	N
327420W	Gypsum products, nsk, total	N	X	X	74 404	N	X	X	N
327420WY	Gypsum products, nsk, total	N	X	X	74 404	N	X	X	N
327420WYWW	Gypsum products, nsk, for nonadministrative-record establishments	N	X	X	1 626	N	X	X	N
327420WYWY	Gypsum products, nsk, for administrative-record establishments	N	X	X	72 778	N	X	X	N
327910	Abrasive products	N	X	X	4 107 840	N	X	X	N

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		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
327910	Abrasive products—Con.								
3279101	Nonmetallic sized grains, powders, and flour abrasives (including graded products only)	N	X	X	549 166	N	X	X	556 563
32791011	Aluminum oxide, nonmetallic sized grains, powders, and flour abrasives (including graded products only)	N	X	X	158 946	N	X	X	N
3279101111	Aluminum oxide abrasives	13	X	X	158 946	16	X	X	163 087
32791012	Nonmetallic sized grains, powders, and flour abrasives, except aluminum oxide	N	X	X	380 062	N	X	X	N
3279101211	Silicon carbide abrasives	13	X	X	137 456	11	X	X	72 739
3279101221	Other nonmetallic artificial sized grains, powders, and flour abrasives (including combinations thereof)	20	X	X	209 953	17	X	X	298 851
3279101231	Nonmetallic natural sized grains, powders, and flours	10	X	X	32 653	8	X	X	17 886
3279101Y	Nonmetallic sized grains, powders, and flour abrasives (including graded products only), nsk	N	X	X	10 158	N	X	X	N
3279101YVV	Nonmetallic sized grains, powders, and flour abrasives (including graded products only), nsk	N	X	X	10 158	N	X	X	4 000
3279104	Nonmetallic abrasive products (including diamond abrasives)	N	X	X	1 176 259	N	X	X	754 946
32791041	Nonmetallic vitrified bond, artificial and natural bonded abrasives (including diamond abrasives)	N	X	X	253 075	N	X	X	N
3279104111	Nonmetallic vitrified bond, artificial and natural bonded abrasives (including diamond abrasives)	26	X	X	253 075	25	X	X	190 125
32791042	Nonmetallic resinoid and shellac bond, artificial and natural bonded abrasives, including diamond	N	X	X	279 657	N	X	X	N
3279104211	Nonmetallic resinoid and shellac bonded abrasives, reinforced	27	X	X	123 944	32	X	X	118 107
3279104221	Nonmetallic resinoid and shellac bonded abrasives, nonreinforced	22	X	X	155 713	28	X	X	132 914
32791043	Diamond wheels, nonmetallic, artificial and natural bonded abrasives, including diamond abrasives	N	X	X	221 994	N	X	X	N
3279104311	Diamond wheels, metal bond	40	X	X	148 844	38	X	X	76 609
3279104321	Diamond wheels, nonmetal bond	34	X	X	73 150	30	X	X	62 174
32791044	Other nonmetallic artificial and natural abrasive products (except coated abrasives)	N	X	X	416 669	N	X	X	N
3279104411	Nonmetallic rubber bonded abrasives	14	X	X	41 816	12	X	X	29 353
3279104421	Other nonmetallic bonded abrasives	15	X	X	190 514	17	X	X	45 991
3279104431	Nonmetallic cubic boron nitride wheels, all bonds	27	X	X	60 426	19	X	X	24 041
3279104441	Other artificial and natural nonmetallic abrasive products (except coated abrasives)	23	X	X	123 913	16	X	X	58 239
3279104Y	Nonmetallic abrasive products (including diamond abrasives), nsk	N	X	X	4 864	N	X	X	N
3279104YVV	Nonmetallic abrasive products (including diamond abrasives), nsk	N	X	X	4 864	N	X	X	17 393
3279107	Nonmetallic coated abrasive products and buffing wheels, polishing wheels, and laps	N	X	X	2 026 254	N	X	X	1 540 126
32791071	Nonmetallic belts, coated or impregnated with any natural or artificial abrasive material	N	X	X	478 909	N	X	X	N
3279107111	Nonmetallic belts, cloth-glue bond	6	X	X	D	10	X	X	9 756
3279107121	Nonmetallic belts, cloth-resin and waterproof bond	15	X	X	D	17	X	X	385 171
32791072	Nonmetallic shapes, coated or impregnated with any natural or artificial abrasive material	N	X	X	700 934	N	X	X	N
3279107211	Other nonmetallic shapes, cloth-glue bond	8	X	X	81 819	12	X	X	141 270
3279107221	Other nonmetallic shapes, cloth-resin and waterproof bond	20	X	X	619 115	18	X	X	385 449

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		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
327910	Abrasive products—Con.								
3279107	Nonmetallic coated abrasive products and buffing wheels, polishing wheels, and laps—Con.								
32791073	Other nonmetallic coated abrasive products and buffing wheels, polishing wheels, and laps	N	X	X	801 363	N	X	X	N
3279107311	Nonmetallic paper-glue bond abrasive products	10	X	X	261 446	14	X	X	D
3279107321	Other nonmetallic coated or impregnated with any natural or artificial abrasive material (paper-cloth or vulcanized fiber-cloth combinations, vulcanized fibers, paper-resin, waterproof bond, etc.)	17	X	X	450 946	17	X	X	D
3279107331	Buffing and polishing wheels and laps of cloth, leather, felt, etc., but containing no abrasive grains, powders, or flour	20	X	X	88 971	17	X	X	53 533
3279107Y	Nonmetallic coated abrasive products and buffing wheels, polishing wheels, and laps, nsk	N	X	X	45 048	N	X	X	N
3279107YWV	Nonmetallic coated abrasive products and buffing wheels, polishing wheels, and laps, nsk	N	X	X	45 048	N	X	X	26 623
327910A	Metal abrasives	N	X	X	136 642	N	X	X	N
327910A1	Metal abrasives	N	X	X	136 642	N	X	X	N
327910A111	Steel and iron grit, shot, and sand	10	X	X	132 177	10	X	X	127 522
327910A121	Other metal abrasives	3	X	X	4 465	N	X	X	N
327910AY	Metal abrasives, nsk	N	X	X	—	N	X	X	N
327910AYWV	Metal abrasives, nsk	N	X	X	—	N	X	X	N
327910W	Abrasive products, nsk, total	N	X	X	219 519	N	X	X	N
327910WY	Abrasive products, nsk, total	N	X	X	219 519	N	X	X	N
327910WYWW	Abrasive products, nsk, for nonadministrative-record establishments	N	X	X	47 379	N	X	X	N
327910WYWY	Abrasive products, nsk, for administrative-record establishments	N	X	X	172 140	N	X	X	N
327991	Cut stone and stone products	N	X	X	1 198 713	N	X	X	944 520
3279911	Dressed dimension granite (including gneiss, syenite, diorite, and cut granite)	N	X	X	539 053	N	X	X	451 437
32799111	Monumental stone, dressed dimension granite (including gneiss, syenite, diorite, and cut granite)	N	X	X	232 563	N	X	X	N
3279911111	Monumental stone, dressed dimension granite (including gneiss, syenite, diorite, and cut granite)	103	X	X	232 563	141	X	X	207 152
32799112	Building stone and other dressed dimension granite products, excluding monumental stone	N	X	X	289 845	N	X	X	N
3279911211	Building stone, dressed dimension granite (including gneiss, syenite, diorite, and cut granite)	66	X	X	147 436	51	X	X	175 359
3279911221	Other granite products, such as paving blocks and curbing, dressed dimension granite (including gneiss, syenite, diorite, and cut granite)	60	X	X	142 409	30	X	X	55 886
3279911Y	Dressed dimension granite (including gneiss, syenite, diorite, and cut granite), nsk	N	X	X	16 645	N	X	X	N
3279911YWV	Dressed dimension granite (including gneiss, syenite, diorite, and cut granite), nsk	N	X	X	16 645	N	X	X	13 040
3279914	Dressed dimension limestone (including dolomite, travertine, calcareous, tufa, and cut limestone)	N	X	X	179 853	N	X	X	122 888
32799141	Dressed dimension limestone (including dolomite, travertine, calcareous, tufa, and cut limestone)	N	X	X	156 082	N	X	X	N
3279914111	Building stone, dressed dimension limestone (including dolomite, travertine, calcareous, tufa, and cut limestone)	58	X	X	107 457	46	X	X	67 792
3279914121	Other limestone products, such as flagging, dressed dimension limestone (including dolomite, travertine, calcareous, tufa, and cut limestone)	19	X	X	48 625	17	X	X	31 357

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
327991	Cut stone and stone products—Con.								
3279914	Dressed dimension limestone (including dolomite, travertine, calcareous, tufa, and cut limestone)—Con.								
3279914Y	Dressed dimension limestone (including dolomite, travertine, calcareous, tufa, and cut limestone), nsk	N	X	X	23 771	N	X	X	N
3279914YWV	Dressed dimension limestone (including dolomite, travertine, calcareous, tufa, and cut limestone), nsk	N	X	X	23 771	N	X	X	23 739
3279917	Dressed dimension marble and other stone	N	X	X	237 277	N	X	X	160 720
32799171	Dressed dimension marble and other stone	N	X	X	207 900	N	X	X	N
3279917111	Dressed dimension building stone, monumental stone, and other marble products	84	X	X	80 178	78	X	X	93 179
3279917121	Other dressed dimension stone, such as slate, sandstone, gabbro, basalt, etc., and other dressed dimension stone products	67	X	X	127 722	42	X	X	49 762
3279917Y	Dressed dimension marble and other stone, nsk	N	X	X	29 377	N	X	X	N
3279917YWV	Dressed dimension marble and other stone, nsk	N	X	X	29 377	N	X	X	17 779
327991W	Cut stone and stone products, nsk, total	N	X	X	242 530	N	X	X	209 475
327991WY	Cut stone and stone products, nsk, total	N	X	X	242 530	N	X	X	N
327991WYWW	Cut stone and stone products, nsk, for nonadministrative-record establishments	N	X	X	144 385	N	X	X	144 935
327991WYWY	Cut stone and stone products, nsk, for administrative-record establishments	N	X	X	98 145	N	X	X	64 540
327992	Minerals, ground or treated	N	X	X	2 258 930	N	X	X	1 700 891
3279920	Minerals and earths, ground or otherwise treated @	N	X	X	2 258 930	N	X	X	1 700 891
32799201	Lightweight aggregate and crushed slag, minerals and earths, ground or otherwise treated	N	X	X	397 390	N	X	X	N
3279920111	Lightweight aggregate (diatomaceous earth, expanded clay, expanded slag, cinders, perlite, haydite, pumice, etc.)	37	X	X	239 924	54	X	X	224 876
3279920121	Crushed slag	18	X	X	157 466	24	X	X	149 976
32799202	Clays, minerals and earths, ground or otherwise treated	N	X	X	612 533	N	X	X	N
3279920211	Ground crude fire clay, high alumina clay, and silica fire clay	16	X	X	177 718	15	X	X	35 488
3279920221	Clays, artificially activated with acid or other materials, 1,000 s tons..	11	X	2 530.7	434 815	11	X	X	75 570
32799203	Other minerals and earths, ground or otherwise treated	N	X	X	1 079 434	N	X	X	N
3279920311	Exfoliated vermiculite aggregate, mil cu ft..	21	X	S	79 004	8	X	S	59 028
3279920321	Other exfoliated vermiculite (such as loose fill insulation, acoustical, etc.)	7	X	S	37 052	5	X	X	19 277
3279920330	Dead-burned magnesite or magnesite	12	X	X	131 024	9	X	X	98 895
3279920341	Crushed and ground uncalcined gypsum (including gypsum and anhydrite), 1,000 s tons..	9	X	S	88 991	8	X	P515.8	18 306
3279920351	Natural graphite (ground, refined, or blended), 1,000 s tons..	9	X	S	86 272	9	X	S	75 530
3279920361	Other minerals and earths, ground or otherwise treated (including feldspar, mica, roofing granules, and ground barite)	64	X	X	657 091	N	X	X	N
3279920Y	Minerals, ground or treated, nsk	N	X	X	169 573	N	X	X	N
3279920YWV	Minerals, ground or treated, nsk, for nonadministrative-record establishments	N	X	X	91 410	N	X	X	105 348
3279920YWY	Minerals, ground or treated, nsk, for administrative-record establishments	N	X	X	78 163	N	X	X	15 814

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
327993	Mineral wool	N	X	X	4 277 880	N	X	X	3 075 430
3279931	Mineral wool for thermal and acoustical envelope insulation (for insulating homes and commercial and industrial buildings)	N	X	X	2 987 004	N	X	X	2 042 575
32799311	Loose fiber (blowing and pouring) (shipped as such) and granulated fiber, mineral wool for thermal and acoustical envelope insulation (for insulating homes and commercial and industrial buildings)	N	X	X	203 693	N	X	X	N
3279931111	Loose fiber (blowing and pouring) (shipped as such) and granulated fiber, mineral wool for thermal and acoustical envelope insulation (for insulating homes and commercial and industrial buildings)	15	X	X	203 693	17	X	X	200 852
32799312	Building batts, blankets, and rolls (in thermal resistance (R) values) R19 or more, mineral wool for thermal and acoustical envelope insulation (for homes and commercial and industrial buildings)	N	X	X	1 239 893	N	X	X	N
3279931211	Building batts, blankets, and rolls (in thermal resistance (R) values) R19 or more, mineral wool for thermal and acoustical envelope insulation (for homes and commercial and industrial buildings)	8	X	X	1 239 893	12	X	X	555 867
32799313	Building batts, blankets, and rolls (in thermal resistance (R) values) less than R19	N	X	X	443 997	N	X	X	N
3279931311	Building batts, blankets, and rolls (in thermal resistance (R) values) R11 to R18.9, mineral wool for thermal and acoustical envelope insulation (for homes and commercial and industrial buildings)	12	X	X	367 921	11	X	X	368 508
3279931321	Building batts, blankets, and rolls (in thermal resistance (R) values) R10.9 or less, mineral wool for thermal and acoustical envelope insulation (for homes and commercial and industrial buildings)	11	X	X	76 076	11	X	X	69 727
32799314	Acoustical, such as wall and ceiling (sold as acoustical insulation), mineral wool for thermal and acoustical envelope insulation (for homes and commercial and industrial buildings)	N	X	X	884 882	N	X	X	N
3279931411	Acoustical, such as wall and ceiling (sold as acoustical insulation), mineral wool for thermal and acoustical envelope insulation (for homes and commercial and industrial buildings)	20	X	X	884 882	17	X	X	610 274
32799315	Board (such as roof insulation) and other mineral wool for thermal and acoustical envelope insulation (for insulating homes and commercial and industrial buildings)	N	X	X	209 137	N	X	X	N
3279931511	Board (such as roof insulation), mineral wool for thermal and acoustical envelope insulation (for homes and commercial and industrial buildings)	8	X	X	160 324	9	X	X	160 178
3279931521	Other mineral wool for thermal and acoustical envelope insulation (for homes and commercial and industrial buildings)	17	X	X	48 813	10	X	X	45 280
3279931Y	Mineral wool for thermal and acoustical envelope insulation (for homes and commercial, and industrial buildings), nsk	N	X	X	5 402	N	X	X	N
3279931YWV	Mineral wool for thermal and acoustical envelope insulation (for homes and commercial, and industrial buildings), nsk	N	X	X	5 402	N	X	X	31 889
3279934	Mineral wool for industrial, equipment, and appliance insulation	N	X	X	1 147 892	N	X	X	889 225
32799341	Blankets (flexible) (including fabricated pieces, rolls, and batts)	N	X	X	368 745	N	X	X	N
3279934111	Plain blankets (flexible) (including fabricated pieces, rolls, and batts), mineral wool for industrial, equipment, and appliance insulation	17	X	X	158 753	13	X	X	130 262
3279934121	Coated blankets (flexible) (including fabricated pieces, rolls, and batts), mineral wool for industrial, equipment, and appliance insulation	13	X	X	111 653	6	X	X	73 424

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
327993	Mineral wool—Con.								
3279934	Mineral wool for industrial, equipment, and appliance insulation—Con.								
32799341	Blankets (flexible) (including fabricated pieces, rolls, and batts)—Con.								
3279934131	Faced and metal meshed blankets (flexible) (including fabricated pieces, rolls, and batts), mineral wool for industrial, equipment, and appliance insulation	15	X	X	98 339	8	X	X	24 643
32799342	Special-purpose mineral wool for industrial, equipment, and appliance insulation pieces (special-purpose automotive, appliance, aerospace items and original equipment parts)	N	X	X	286 282	N	X	X	N
3279934211	Special-purpose mineral wool for industrial, equipment, and appliance insulation pieces (special-purpose automotive, appliance, aerospace items and original equipment parts)	33	X	X	286 282	24	X	X	218 644
32799343	Other mineral wool for industrial equipment and appliance insulation, except blankets and special-purpose mineral wool	N	X	X	492 350	N	X	X	N
3279934311	Other mineral wool for industrial equipment and appliance insulation, blocks and boards	7	X	X	52 656	7	X	X	40 274
3279934321	Mineral wool for industrial, equipment, and appliance pipe insulation	9	X	X	165 624	10	X	X	160 847
3279934331	Mineral wool for industrial, equipment, and appliance acoustical insulation (including pads, boards, patches, etc.)	10	X	X	31 731	10	X	X	25 520
3279934341	Other mineral wool for industrial, equipment, and appliance insulation (including air duct, loose fiber, granulated fiber, insulating and finishing cements, etc.)	17	X	X	242 339	18	X	X	203 071
3279934Y	Mineral wool for industrial, equipment, and appliance insulation, nsk.	N	X	X	515	N	X	X	N
3279934YVV	Mineral wool for industrial, equipment, and appliance insulation, nsk.	N	X	X	515	N	X	X	12 540
327993W	Mineral wool, nsk, total	N	X	X	142 984	N	X	X	143 630
327993WY	Mineral wool, nsk, total	N	X	X	142 984	N	X	X	N
327993WYWW	Mineral wool, nsk, for nonadministrative-record establishments	N	X	X	46 096	N	X	X	123 058
327993WYWY	Mineral wool, nsk, for administrative-record establishments	N	X	X	96 888	N	X	X	20 572
327999	All Other Miscellaneous Nonmetallic Mineral Products	N	X	X	1 684 163	N	X	X	N
3279990	Nonmetallic mineral products, nec	N	X	X	1 684 163	N	X	X	N
32799901	Mica products	N	X	X	54 063	N	X	X	N
3279990111	Mica products	13	X	X	54 063	N	X	X	N
32799902	Dry-mixed concrete materials (prepackaged sand, gravel, mortar, and cement premixes)	N	X	X	846 835	N	X	X	N
3279990211	Dry-mixed concrete materials (prepackaged sand, gravel, mortar, and cement premixes)	201	X	X	846 835	228	X	X	480 898
32799903	Other nonmetallic mineral products (magnesite floor composition, stucco, artificial graphite, synthetic stones, etc.)	N	X	X	412 006	N	X	X	N
3279990311	Other nonmetallic mineral products (magnesite floor composition, stucco, artificial graphite, synthetic stones, etc.)	71	X	X	412 006	N	X	X	N
3279990Y	Nonmetallic mineral products, nec, nsk	N	X	X	371 259	N	X	X	N
3279990YWW	Nonmetallic mineral products, nec, nsk, for nonadministrative-record establishments	N	X	X	340 436	N	X	X	N
3279990YWY	Nonmetallic mineral products, nec, nsk, for administrative-record establishments	N	X	X	30 823	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
331111	Iron and steel mill products	N	X	X	56 344 117	N	X	X	N
3311111	Coke oven and blast furnace products, made in steel mills	N	X	X	2 450 291	N	X	X	N
33111111	Coke oven and blast furnace products, made in steel mills	N	X	X	2 450 291	N	X	X	N
3311111101	Coke oven products made in steel mills, coke, except screenings and breeze \$	13	15 161.8	11 299.2	936 742	N	N	N	N
3311111103	Coke oven products made in steel mills, screenings and breeze \$	17	91 360.9	1 339.3	72 202	N	N	N	N
3311111105	Coke oven products made in steel mills, crude tar \$	12	D	P152.4	78 808	N	N	N	N
3311111107	Coke oven products made in steel mills, crude light oil \$	11	D	46.7	19 173	N	N	N	N
3311111109	Coke oven products made in steel mills, other, including tar derivatives, ammonia, light oil derivatives, and coke oven gas \$	9	X	X	169 355	N	X	X	N
3311111111	Blast furnace pig iron, except ferroalloys, including pig iron with silicon content up to and including 6 percent silicon	6	D	D	D	3	D	D	D
3311111113	Blast furnace slag, except ferroalloys	7	D	D	D	6	3 674.0	P983.1	5 425
3311111115	Blast furnace sinter from ore, flue dust, blast furnace gas and other materials, except ferroalloys	4	X	X	95 923	N	X	X	N
3311111117	Other blast furnace products, except ferroalloys	6	D	D	D	6	330.1	P369.5	10 930
3311111Y	Coke oven and blast furnace products, made in steel mills, nsk	N	X	X	—	N	X	X	N
3311111YWV	Coke oven and blast furnace products, made in steel mills, nsk	N	X	X	—	N	X	X	N
3311112	Iron and steel powders, paste, and flakes	N	X	X	502 059	N	X	X	N
33111121	Iron and steel powders, paste, and flakes	N	X	X	502 059	N	X	X	N
3311112100	Iron and steel powders, paste, and flakes	34	X	S	502 059	N	X	X	N
3311113	Steel ingots and semifinished shapes and forms @	N	X	X	4 377 169	N	X	X	3 677 756
33111131	Steel ingots and semifinished shapes and forms	N	X	X	4 377 169	N	X	X	N
3311113100	Steel ingots and semifinished shapes and forms	50	X	X	4 377 169	73	X	X	3 677 756
3311115	Hot rolled steel sheet and strip, including tin mill products, tinplate, blackplate, terneplate, and tin-free steel @	N	X	X	22 060 627	N	X	X	17 284 088
33111151	Hot rolled steel sheet and strip, including tin mill products, tinplate, blackplate, terneplate, and tin-free steel	N	X	X	22 060 627	N	X	X	N
3311115100	Hot rolled steel sheet and strip, including tin mill products, tinplate, blackplate, terneplate, and tin-free steel	39	X	X	22 060 627	46	X	X	17 284 088
3311117	Hot rolled steel bars and bar shapes, plates, structural shapes, and piling, including concrete reinforcing and tool steel bars @	N	X	X	13 383 096	N	X	X	10 032 507
33111171	Hot rolled steel bars and bar shapes, plates, structural shapes, and piling, including concrete reinforcing and tool steel bars	N	X	X	13 383 096	N	X	X	N
3311117100	Hot rolled steel bars and bar shapes, plates, structural shapes, and piling, including concrete reinforcing and tool steel bars	63	X	X	13 383 096	81	X	X	10 032 507
3311119	Steel wire, including galvanized and other coated wire, made in steel mills producing wire rods or hot rolled bars #	N	X	X	444 682	N	X	X	352 075
33111191	Steel wire, including galvanized and other coated wire, made in steel mills producing wire rods or hot rolled bars	N	X	X	444 682	N	X	X	N
3311119100	Steel wire, including galvanized and other coated wire, made in steel mills producing wire rods or hot rolled bars \$	18	X	X	444 682	14	X	X	352 075
331111B	Steel pipes and tubes, made in steel mills producing semifinished shapes or plate #	N	X	X	2 734 679	N	X	X	1 692 939
331111B1	Steel pipes and tubes, made in steel mills producing semifinished shapes or plate	N	X	X	2 734 679	N	X	X	N
331111B100	Steel pipes and tubes, made in steel mills producing semifinished shapes or plate \$	17	X	X	2 734 679	19	X	X	1 692 939

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331111	Iron and steel mill products—Con.								
331111D	Cold rolled steel sheet and strip, made in steel mills producing hot rolled sheet or strip #	N	X	X	8 541 551	N	X	X	6 151 002
331111D1	Cold rolled steel sheet and strip, made in steel mills producing hot rolled sheet or strip	N	X	X	8 541 551	N	X	X	N
331111D100	Cold rolled steel sheet and strip, made in steel mills producing hot rolled sheet or strip \$	25	X	X	8 541 551	26	X	X	6 151 002
331111F	Cold finished steel bars and bar shapes, made in steel mills producing hot rolled bars and bar shapes #	N	X	X	935 511	N	X	X	657 669
331111F1	Cold finished steel bars and bar shapes, made in steel mills producing hot rolled bars and bar shapes	N	X	X	935 511	N	X	X	N
331111F100	Cold finished steel bars and bar shapes, made in steel mills producing hot rolled bars and bar shapes \$	11	X	X	935 511	13	X	X	657 669
331111H	Seamless rolled ring forgings, ferrous, made in steel mills	N	X	X	D	N	X	X	77 316
331111H1	Seamless carbon steel and alloy steel rolled ring forgings, excluding stainless and hi-temp, ferrous, made in steel mills	N	X	X	D	N	X	X	N
331111H101	Seamless carbon steel and alloy steel rolled ring forgings, excluding stainless and hi-temp, ferrous, made in steel mills \$	4	X	X	D	5	X	X	46 918
331111H2	Seamless stainless steel and hi-temp (iron, nickel, or cobalt-base alloy) rolled ring forgings, ferrous, made in steel mills	N	X	X	D	N	X	X	N
331111H203	Seamless stainless steel and hi-temp (iron, nickel, or cobalt-base alloy) rolled ring forgings, ferrous, made in steel mills \$	2	X	X	D	3	X	X	30 398
331111HY	Seamless rolled ring forgings, ferrous, made in steel mills, nsk	N	X	X	—	N	X	X	N
331111HYWV	Seamless rolled ring forgings, ferrous, made in steel mills, nsk	N	X	X	—	N	X	X	—
331111J	Open die or smith forgings (hammer or press), ferrous, made in steel mills	N	X	X	D	N	X	X	114 047
331111J1	Carbon and alloy steel open die or smith forgings (hammer or press), excluding stainless and hi-temp, made in steel mills	N	X	X	D	N	X	X	N
331111J101	Carbon and alloy steel open die or smith forgings (hammer or press), excluding stainless and hi-temp, made in steel mills \$	5	X	X	D	5	X	X	107 678
331111J2	Stainless steel and hi-temp (iron, nickel, or cobalt-base alloy) open die or smith forgings (hammer or press), ferrous, made in steel mills	N	X	X	D	N	X	X	N
331111J203	Stainless steel and hi-temp (iron, nickel, or cobalt-base alloy) open die or smith forgings (hammer or press), ferrous, made in steel mills \$	2	X	X	D	5	X	X	6 369
331111JY	Open die or smith forgings (hammer or press), ferrous, made in steel mills, nsk	N	X	X	—	N	X	X	N
331111JYWV	Open die or smith forgings (hammer or press), ferrous, made in steel mills, nsk	N	X	X	—	N	X	X	—
331111L	Other steel mill products, including steel rails, except wire products @	N	X	X	585 921	N	X	X	382 762
331111L1	Other steel mill products, including steel rails, except wire products	N	X	X	585 921	N	X	X	N
331111L100	Other steel mill products, including steel rails, except wire products	11	X	X	585 921	10	X	X	382 762
331111W	Iron and steel mill products, nsk, total	N	X	X	42 277	N	X	X	N
331111WY	Iron and steel mill products, nsk, total	N	X	X	42 277	N	X	X	N
331111WYWW	Iron and steel mill products, nsk, for nonadministrative-record establishments	N	X	X	11 467	N	X	X	N
331111WYWY	Iron and steel mill products, nsk, for administrative-record establishments	N	X	X	30 810	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
331112	Electrometallurgical ferroalloy products	N	X	X	1 130 049	N	X	X	N
3311121	Ferrochromium, including briquets, ferrochromium silicon, exothermic chromium additives, and other chromium alloys	N	X	X	D	N	X	X	D
33111211	Ferrochromium, including briquets, ferrochromium silicon, exothermic chromium additives, and other chromium alloys	N	X	X	D	N	X	X	N
3311121100	Ferrochromium, including briquets, ferrochromium silicon, exothermic chromium additives, and other chromium alloys 1,000 s tons..	2	D	D	D	4	D	D	D
3311123	Ferrosilicon, including briquets, and other silicon alloys	N	X	X	357 627	N	X	X	287 244
33111231	Ferrosilicon, including briquets, and other silicon alloys	N	X	X	357 627	N	X	X	N
3311123100	Ferrosilicon, including briquets, and other silicon alloys 1,000 s tons..	5	P471.7	395.4	357 627	9	336.4	P463.3	287 244
3311125	Other ferroalloys	N	X	X	D	N	X	X	N
33111251	Ferrous superalloys	N	X	X	301 648	N	X	X	N
3311125101	Ferrous superalloys 1,000 s tons..	4	32.6	32.6	301 648	N	N	N	N
33111252	Other ferroalloys, including silvery iron, ferromanganese, manganese metal, silicomanganese, and ferrospegeleisen	N	X	X	D	N	X	X	N
3311125203	Other ferroalloys, including silvery iron, ferromanganese, manganese metal, silicomanganese and ferrospegeleisen 1,000 s tons..	5	D	D	D	N	N	N	N
33111253	Other ferrous products made in electric and other furnaces	N	X	X	163 217	N	X	X	N
3311125305	Other ferrous products made in electric and other furnaces 1,000 s tons..	8	8 429.2	197.3	163 217	N	N	N	N
3311125Y	Other ferroalloys, nsk	N	X	X	17 875	N	X	X	N
3311125YVW	Other ferroalloys, nsk	N	X	X	17 875	N	X	X	N
331112W	Electrometallurgical ferroalloy products, nsk, total	N	X	X	—	N	X	X	N
331112WY	Electrometallurgical ferroalloy products, nsk, total	N	X	X	—	N	X	X	N
331112WYWW	Electrometallurgical ferroalloy products, nsk, for nonadministrative-record establishments	N	X	X	—	N	X	X	N
331112WYWY	Electrometallurgical ferroalloy products, nsk, for administrative-record establishments	N	X	X	—	N	X	X	N
331210	Iron and steel pipes and tubes	N	X	X	7 267 491	N	X	X	4 879 704
3312100	Iron and steel pipes and tubes @	N	X	X	7 267 491	N	X	X	4 879 704
33121001	Steel pipes and tubes, made in steel mills not producing semifinished shapes or plate	N	X	X	7 265 290	N	X	X	N
3312100100	Steel pipes and tubes, made in steel mills not producing semifinished shapes or plate	173	X	X	7 265 290	N	X	X	N
3312100Y	Iron and steel pipes and tubes, nsk, total	N	X	X	2 201	N	X	X	N
3312100YWW	Iron and steel pipes and tubes, nsk, for nonadministrative-record establishments	N	X	X	2 201	N	X	X	N
3312100YWY	Iron and steel pipes and tubes, nsk, for administrative-record establishments	N	X	X	—	N	X	X	N
331221	Cold finishing of steel shapes	N	X	X	5 714 148	N	X	X	4 564 843
3312211	Cold rolled steel sheet and strip, made in steel mills not producing hot rolled sheet or strip @	N	X	X	4 101 917	N	X	X	3 311 387
33122111	Cold rolled steel sheet and strip, made in steel mills not producing hot rolled sheet or strip	N	X	X	4 101 917	N	X	X	N
3312211100	Cold rolled steel sheet and strip, made in steel mills not producing hot rolled sheet or strip \$	54	X	X	4 101 917	61	X	X	3 311 387

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NAICS product code	Product	1997				1992			
		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
331221	Cold finishing of steel shapes—Con.								
3312213	Cold finished steel bars and bar shapes, made in steel mills not producing hot rolled bars and bar shapes @	N	X	X	1 592 402	N	X	X	1 176 248
33122131	Cold finished steel bars and bar shapes, made in steel mills not producing hot rolled bars and bar shapes	N	X	X	1 592 402	N	X	X	N
3312213100	Cold finished steel bars and bar shapes, made in steel mills not producing hot rolled bars and bar shapes \$	71	X	X	1 592 402	53	X	X	1 176 248
331221W	Cold finishing of steel shapes, nsk, total	N	X	X	19 829	N	X	X	77 208
331221WY	Cold finishing of steel shapes, nsk, total	N	X	X	19 829	N	X	X	N
331221WYWW	Cold finishing of steel shapes, nsk, for nonadministrative-record establishments	N	X	X	S	N	X	X	60 270
331221WYWY	Cold finishing of steel shapes, nsk, for administrative-record establishments	N	X	X	19 877	N	X	X	16 938
331222	Steel wire and related products	N	X	X	4 962 274	N	X	X	N
3312221	Noninsulated ferrous wire rope, cable, and strand, made in plants that draw wire @	N	X	X	977 995	N	X	X	937 256
33122211	Noninsulated ferrous wire rope and cable, wire forms, and wire strands, made in plants that draw wire	N	X	X	560 466	N	X	X	N
3312221110	Noninsulated ferrous wire rope and cable made from steel wire, excluding fabricated wire rope assemblies, made in plants that draw wire \$	15	X	X	D	19	X	X	411 194
3312221112	Noninsulated fabricated ferrous wire rope assemblies, including lifting slings, made in plants that draw wire \$	6	X	X	D	7	X	X	46 379
33122212	Noninsulated ferrous wire forms and strand, made in plants that draw wire	N	X	X	417 494	N	X	X	N
3312221214	Noninsulated ferrous wire forms and composite rope and cable, excluding rope assemblies, made in plants that draw wire \$	8	X	X	57 724	4	X	X	52 976
3312221222	Noninsulated ferrous wire strand, including strand for prestressed concrete, composite wire strand, except ACSR, and guard rail cable, made in plants that draw wire \$	18	X	X	359 770	21	X	X	426 410
3312221Y	Noninsulated ferrous wire rope, cable, and strand, made in plants that draw wire, nsk	N	X	X	35	N	X	X	N
3312221YWV	Noninsulated ferrous wire rope, cable, and strand, made in plants that draw wire, nsk	N	X	X	35	N	X	X	297
3312223	Steel nails, staples, tacks, spikes, and brads, made in plants that draw wire @	N	X	X	446 963	N	X	X	N
33122231	Steel nails, staples, tacks, spikes, and brads, made in plants that draw wire	N	X	X	437 538	N	X	X	N
3312223101	Round steel wire nails, collated, prepackaged, made in plants that draw wire \$	4	X	229.7	81 180	N	X	N	N
3312223103	Galvanized round steel wire nails, not collated, smooth shank, coated, plated, or painted, made in plants that draw wire \$	7	X	52.6	49 780	N	X	N	N
3312223105	Vinyl, resin, or cement coated round steel wire nails, not collated, smooth shank, coated, plated, or painted, made in plants that draw wire \$	6	X	70.0	34 743	N	X	N	N
3312223107	Other coated, plated, or painted round steel wire nails, not collated, smooth shank, made in plants that draw wire \$	3	X	4.9	3 490	N	X	N	N
3312223109	Round steel wire nails, not coated, plated, or painted, not collated, smooth shank, made in plants that draw wire \$	4	X	47.9	28 205	N	X	N	N
3312223111	Round steel wire nails, coated, plated, or painted, not collated, other than smooth shank, made in plants that draw wire \$	4	X	D	D	N	X	N	N
3312223113	Round steel wire nails, not coated, plated, or painted, not collated, other than smooth shank, made in plants that draw wire \$	4	X	D	D	N	X	N	N

Table 1. **Products Statistics: 1997 and 1992—Con.**

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NAICS product code	Product	1997				1992			
		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
331222	Steel wire and related products—Con.								
3312223	Steel nails, staples, tacks, spikes, and brads, made in plants that draw wire @—Con.								
33122231	Steel nails, staples, tacks, spikes, and brads, made in plants that draw wire —Con.								
3312223122	Steel cut nails, including horseshoe nails, made in plants that draw wire \$	7	X	X	86 102	N	X	X	N
3312223124	Steel wire staples, made in plants that draw wire \$	6	X	X	86 207	N	X	X	N
3312223126	Steel tacks (wire and cut), made in plants that draw wire \$	—	X	X	—	N	X	X	N
3312223128	Steel spikes and brads, including track spikes, made in plants that draw wire \$	6	X	X	39 573	N	X	X	N
3312223Y	Steel nails, staples, tacks, spikes, and brads, made in plants that draw wire, nsk	N	X	X	9 425	N	X	X	N
3312223YVV	Steel nails, staples, tacks, spikes, and brads, made in plants that draw wire, nsk	N	X	X	9 425	N	X	X	N
3312225	Steel wire, including galvanized and other coated wire, made in steel mills not producing wire rods or hot rolled bars, made in plants that draw wire @	N	X	X	1 996 859	N	X	X	1 760 680
33122251	Steel wire, including galvanized and other coated wire, made in steel mills not producing wire rods or hot rolled bars, made in plants that draw wire	N	X	X	1 996 859	N	X	X	N
3312225100	Steel wire, including galvanized and other coated wire, made in steel mills not producing wire rods or hot rolled bars, made in plants that draw wire \$	83	X	X	1 996 859	94	X	X	1 760 680
3312227	Steel fencing and fence gates, made in plants that draw wire	N	X	X	401 723	N	X	X	357 432
33122271	Steel fencing, excluding posts, gates, and fittings, including galvanized and plastics coated, made in plants that draw wire	N	X	X	397 978	N	X	X	N
3312227101	Chain link fencing, excluding posts, gates, and fittings, including galvanized and plastics coated, made in plants that draw wire \$	6	X	X	130 243	8	X	X	91 219
3312227110	Woven and welded fencing, excluding posts, gates, and fittings, including galvanized and plastics coated, made in plants that draw wire \$	12	X	X	212 879	11	X	X	209 334
3312227112	Steel fence gates, posts, and fittings and ornamental lawn fence, made in plants that draw wire \$	9	X	X	54 856	N	X	X	N
3312227Y	Steel fencing and fence gates, made in plants that draw wire, nsk	N	X	X	3 745	N	X	X	N
3312227YVV	Steel fencing and fence gates, made in plants that draw wire, nsk	N	X	X	3 745	N	X	X	D
3312229	Ferrous wire cloth and other ferrous woven wire products, made in plants that draw wire @	N	X	X	102 048	N	X	X	109 898
33122291	Ferrous wire cloth and other ferrous woven wire products, made in plants that draw wire	N	X	X	102 048	N	X	X	N
3312229100	Ferrous wire cloth and other ferrous woven wire products, made in plants that draw wire \$	6	X	X	102 048	13	X	X	109 898
331222B	Other fabricated ferrous wire products (except springs), made in plants that draw wire	N	X	X	978 695	N	X	X	627 404
331222B1	Other fabricated ferrous wire products (except springs), made in plants that draw wire	N	X	X	978 645	N	X	X	N
331222B110	Barbed and twisted ferrous wire, made in plants that draw wire \$	9	X	X	155 929	9	X	X	146 624
331222B120	Ferrous wire bale ties, made in plants that draw wire \$	5	X	X	36 905	9	X	X	23 470
331222B122	Welded steel wire fabrics, including concrete reinforcing mesh, made in plants that draw wire \$	11	X	X	279 025	11	X	X	132 831
331222B124	Ferrous wire garment hangers, made in plants that draw wire \$	6	X	X	148 163	4	X	X	121 222
331222B126	Other ferrous wire products, including guards, baskets, florists' designs, paperclips, kitchenware, wire shelving, racks, chain, carts, cages, etc. (except springs), made in plants that draw wire \$	36	X	X	358 623	N	X	X	N

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		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
331222	Steel wire and related products—Con.								
331222B	Other fabricated ferrous wire products (except springs), made in plants that draw wire—Con.								
331222BY	Other fabricated ferrous wire products (except springs), made in plants that draw wire, nsk	N	X	X	50	N	X	X	N
331222BYWV	Other fabricated ferrous wire products (except springs), made in plants that draw wire, nsk	N	X	X	50	N	X	X	—
331222W	Steel wire and related products, nsk, total	N	X	X	57 991	N	X	X	N
331222WY	Steel wire and related products, nsk, total	N	X	X	57 991	N	X	X	N
331222WYWW	Steel wire and related products, nsk, for nonadministrative-record establishments	N	X	X	17 257	N	X	X	N
331222WYWY	Steel wire and related products, nsk, for administrative-record establishments	N	X	X	40 734	N	X	X	N
331311	Alumina	N	X	X	1 019 017	N	X	X	N
3313110	Aluminum oxide, except natural alumina	N	X	X	1 019 017	N	X	X	N
33131101	Aluminum oxide, except natural alumina	N	X	X	1 019 017	N	X	X	N
3313110100	Aluminum oxide, except natural alumina	9	X	X	1 019 017	15	X	X	967 559
3313110Y	Aluminum oxide, except natural alumina, nsk	N	X	X	—	N	X	X	—
3313110YWW	Aluminum oxide, except natural alumina, nsk, for nonadministrative-record establishments	N	X	X	—	N	X	X	—
3313110YWY	Aluminum oxide, except natural alumina, nsk, for administrative-record establishments	N	X	X	—	N	X	X	—
331312	Primary aluminum	N	X	X	6 116 371	N	X	X	5 027 964
3313121	Primary aluminum ingot, produced in primary aluminum reduction plants, including pigs, sows, and molten metal, excluding billet	N	X	X	4 981 718	N	X	X	4 032 332
33131211	Primary aluminum ingot, produced in primary aluminum reduction plants, including pigs, sows, and molten metal, excluding billet	N	X	X	4 981 718	N	X	X	N
3313121100	Primary aluminum ingot, produced in primary aluminum reduction plants, including pigs, sows, and molten metal, excluding billet \$ 1,000 s tons..	15	3 720.0	P3 612.6	4 981 718	20	P4 598.4	4 429.6	4 032 332
3313123	Primary aluminum extrusion ingot (billet), produced in primary aluminum reduction plants	N	X	X	1 134 653	N	X	X	992 736
33131231	Primary aluminum extrusion ingot (billet), produced in primary aluminum reduction plants	N	X	X	1 134 653	N	X	X	N
3313123100	Primary aluminum extrusion ingot (billet), produced in primary aluminum reduction plants \$ 1,000 s tons..	10	842.7	812.3	1 134 653	13	P775.2	739.5	992 736
331312W	Primary aluminum, nsk, total	N	X	X	—	N	X	X	2 896
331312WY	Primary aluminum, nsk	N	X	X	—	N	X	X	N
331312WYWW	Primary production of aluminum, nsk, for nonadministrative-record establishments	N	X	X	—	N	X	X	2 896
331312WYWY	Primary aluminum, nsk, for administrative-record establishments	N	X	X	—	N	X	X	—
331314	Secondary smelting and alloying of aluminum	N	X	X	3 357 627	N	X	X	N
3313141	Aluminum ingot, including pigs, sows, and molten metal, excluding billet, produced by secondary smelters	N	X	X	2 633 315	N	X	X	1 979 860
33131411	Aluminum ingot, including pigs, sows, and molten metal, excluding billet, produced by secondary smelters	N	X	X	2 633 315	N	X	X	N
3313141100	Aluminum ingot, including pigs, sows, and molten metal, excluding billet, produced by secondary smelters \$ 1,000 s tons..	52	D	P1 802.4	2 633 315	51	S	2 065.8	1 979 860
3313143	Aluminum extrusion ingot (billet), produced by secondary smelters	N	X	X	456 757	N	X	X	143 849
33131431	Aluminum extrusion ingot (billet), produced by secondary smelters	N	X	X	456 757	N	X	X	N
3313143100	Aluminum extrusion ingot (billet), produced by secondary smelters \$ 1,000 s tons..	28	453.5	S	456 757	11	S	S	143 849

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
331314	Secondary smelting and alloying of aluminum—Con.								
3313145	Aluminum and aluminum-base alloys powders, paste, and flakes	N	X	X	194 538	N	X	X	N
33131451	Aluminum and aluminum-base alloys powders, paste, and flakes	N	X	X	194 538	N	X	X	N
3313145100	Aluminum and aluminum-base alloys powders, paste, and flakes mil lb..	16	X	S	194 538	17	X	99.1	156 250
331314W	Secondary smelting and alloying of aluminum, nsk, total	N	X	X	73 017	N	X	X	N
331314WY	Secondary smelting and alloying of aluminum, nsk, total	N	X	X	73 017	N	X	X	N
331314WYWW	Secondary smelting and alloying of aluminum, nsk, for nonadministrative-record establishments	N	X	X	73 017	N	X	X	N
331314WYWY	Secondary smelting and alloying of aluminum, nsk, for administrative-record establishments	N	X	X	—	N	X	X	N
331315	Aluminum sheet, plate, and foil	N	X	X	12 483 031	N	X	X	N
3313151	Aluminum plate (thickness of 0.25 in. or more), including continuous cast	N	X	X	923 131	N	X	X	579 832
33131511	Aluminum plate (thickness of 0.25 in. or more), including continuous cast	N	X	X	923 131	N	X	X	N
3313151101	Heat-treatable aluminum plate (thickness of 0.25 in. or more), including continuous cast	11	S	133.2	607 656	8	87.7	86.6	421 428
3313151106	Nonheat-treatable aluminum plate (thickness of 0.25 in. or more), including continuous cast	8	123.6	124.4	315 475	13	49.2	46.7	158 404
3313151Y	Aluminum plate (thickness of 0.25 in. or more), including continuous cast, nsk	N	X	X	—	N	X	X	N
3313151YWV	Aluminum plate (thickness of 0.25 in. or more), including continuous cast, nsk	N	X	X	—	N	X	X	—
3313153	Aluminum sheet and strip, including continuous cast	N	X	X	10 514 924	N	X	X	8 261 104
33131531	Flat aluminum sheet and strip, including continuous cast	N	X	X	829 245	N	X	X	N
3313153101	Flat, heat-treatable aluminum sheet and strip, including continuous cast	12	961.9	66.2	289 768	10	66.8	63.1	190 973
3313153106	Flat, nonheat-treatable, bare and precoated aluminum sheet and strip, including continuous cast	9	S	275.3	539 477	11	P122.9	123.9	313 332
33131532	Coiled aluminum sheet and strip, including continuous cast	N	X	X	9 685 679	N	X	X	N
3313153211	Coiled, heat-treatable aluminum sheet and strip, including continuous cast	11	774.9	773.6	1 514 023	14	705.6	703.4	1 316 683
3313153216	Coiled, nonheat-treatable, bare aluminum sheet and strip, including continuous cast	20	P3 132.0	2 848.0	5 814 280	23	4 709.1	2 419.4	4 552 283
3313153221	Coiled, nonheat-treatable, precoated, including only permanent finishes such as enameling and vinyl coatings aluminum sheet and strip, including continuous cast	18	91 041.7	P1 061.0	2 357 376	19	P754.2	781.8	1 887 833
3313153Y	Aluminum sheet and strip, including continuous cast, nsk	N	X	X	—	N	X	X	N
3313153YWV	Aluminum sheet and strip, including continuous cast, nsk	N	X	X	—	N	X	X	—
3313155	Plain aluminum foil (less than .006 in. thick)	N	X	X	1 044 976	N	X	X	D
33131551	Plain aluminum foil (less than .006 in. thick)	N	X	X	1 044 976	N	X	X	N
3313155100	Plain aluminum foil (less than .006 in. thick)	13	506.0	508.7	1 044 976	12	318.0	P321.2	650 120
331315W	Aluminum sheet, plate, and foil, nsk, total	N	X	X	—	N	X	X	N
331315WY	Aluminum sheet, plate, and foil, nsk, total	N	X	X	—	N	X	X	N
331315WYWW	Aluminum sheet, plate, and foil, nsk, for nonadministrative-record establishments	N	X	X	—	N	X	X	N
331315WYWY	Aluminum sheet, plate, and foil, nsk, for administrative-record establishments	N	X	X	—	N	X	X	N

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		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
331316	Aluminum extruded products	N	X	X	5 976 360	N	X	X	3 758 158
3313161	Extruded aluminum rod, bar, and other extruded shapes	N	X	X	5 140 725	N	X	X	2 973 466
33131611	Extruded aluminum rod and bar, alloys other than 2000 and 7000 series	N	X	X	812 931	N	X	X	N
3313161101	Extruded aluminum rod and bar, alloys other than 2000 and 7000 series 1,000 s tons..	20	368.6	355.7	812 931	27	^q 243.6	^p 240.7	476 023
33131612	Extruded aluminum rod and bar, alloys in 2000 and 7000 series	N	X	X	378 792	N	X	X	N
3313161206	Extruded aluminum rod and bar, alloys in 2000 and 7000 series 1,000 s tons..	10	147.8	145.6	378 792	9	^p 97.2	95.1	187 882
33131613	Other extruded aluminum shapes (except tube), alloys other than 2000 and 7000 series	N	X	X	3 402 931	N	X	X	N
3313161311	Other extruded aluminum shapes (except tube), alloys other than 2000 and 7000 series 1,000 s tons..	80	^q 1 562.5	1 475.4	3 402 931	68	^p 996.4	^p 984.9	2 027 171
33131614	Other extruded aluminum shapes (except tube), alloys in 2000 and 7000 series	N	X	X	546 071	N	X	X	N
3313161416	Other extruded aluminum shapes (except tube), alloys in 2000 and 7000 series 1,000 s tons..	24	^q 101.1	106.3	546 071	11	43.0	43.0	213 781
3313161Y	Extruded aluminum rod, bar, and other extruded shapes, nsk	N	X	X	—	N	X	X	N
3313161YVV	Extruded aluminum rod, bar, and other extruded shapes, nsk	N	X	X	—	N	X	X	68 609
3313163	Extruded and drawn aluminum tube	N	X	X	835 635	N	X	X	538 798
33131631	Extruded and drawn aluminum tube	N	X	X	835 635	N	X	X	N
3313163101	Extruded and drawn aluminum tube, alloys other than 2000 and 7000 series 1,000 s tons..	25	172.0	^q 157.7	508 423	34	^p 157.1	154.6	409 251
3313163106	Extruded and drawn aluminum tube, alloys in 2000 and 7000 series 1,000 s tons..	17	74.9	^q 74.2	327 212	11	34.2	32.1	128 596
3313163Y	Extruded and drawn aluminum tube, nsk	N	X	X	—	N	X	X	N
3313163YVV	Extruded and drawn aluminum tube, nsk	N	X	X	—	N	X	X	951
331316W	Aluminum extruded products, nsk, total	N	X	X	—	N	X	X	245 894
331316WY	Aluminum extruded products, nsk, total	N	X	X	—	N	X	X	N
331316WYWW	Aluminum extruded products, nsk, for nonadministrative-record establishments	N	X	X	—	N	X	X	237 005
331316WYWY	Aluminum extruded products, nsk, for administrative-record establishments	N	X	X	—	N	X	X	8 889
331319	Other aluminum rolling and drawing, nec	N	X	X	2 040 545	N	X	X	N
3313191	Aluminum and aluminum-base alloy wire and cable (except covered or insulated), including ACSR, produced in aluminum rolling mills	N	X	X	164 246	N	X	X	D
33131911	Aluminum and aluminum-base alloy wire and cable (except covered or insulated), including ACSR, produced in aluminum rolling mills	N	X	X	164 246	N	X	X	N
3313191100	Aluminum and aluminum-base alloy wire and cable (except covered or insulated), including ACSR, produced in aluminum rolling mills \$	12	X	X	164 246	5	X	X	D
3313193	Rolled aluminum rod, bar, including continuous cast	N	X	X	422 473	N	X	X	D
33131931	Rolled aluminum rod, bar, including continuous cast	N	X	X	422 473	N	X	X	N
3313193100	Rolled aluminum rod, bar, including continuous cast 1,000 s tons..	8	N	238.8	422 473	N	N	N	N
3313197	Aluminum and aluminum-base alloy wire and cable (except covered or insulated), including ACSR, made in nonferrous plants that draw wire	N	X	X	486 902	N	X	X	383 720
33131971	Aluminum and aluminum-base alloy wire and cable (except covered or insulated), including ACSR, made in nonferrous plants that draw wire	N	X	X	486 902	N	X	X	N
3313197100	Aluminum and aluminum-base alloy wire and cable (except covered or insulated), including ACSR, made in nonferrous plants that draw wire \$	24	X	X	486 902	21	X	X	383 720

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
331319	Other aluminum rolling and drawing, nec—Con.								
3313199	Aluminum ingot, excluding billet, produced in aluminum rolling mills	N	X	X	D	N	X	X	413 154
33131991	Aluminum ingot, excluding billet, produced in aluminum rolling mills	N	X	X	D	N	X	X	N
3313199100	Aluminum ingot, excluding billet, produced in aluminum rolling mills \$	7	X	X	D	10	X	X	413 154
331319A	Aluminum wire cloth and woven wire products, made in nonferrous plants that draw wire	N	X	X	D	N	X	X	N
331319A1	Aluminum wire cloth and woven wire products, made in nonferrous plants that draw wire	N	X	X	D	N	X	X	N
331319A100	Aluminum wire cloth and woven wire products, made in nonferrous plants that draw wire \$	2	X	X	D	N	X	X	N
331319C	Aluminum extrusion ingot (billet), produced in aluminum rolling mills	N	X	X	527 490	N	X	X	152 366
331319C1	Aluminum extrusion ingot (billet), produced in aluminum rolling mills	N	X	X	527 490	N	X	X	N
331319C100	Aluminum extrusion ingot (billet), produced in aluminum rolling mills \$	15	P411.4	P412.8	527 490	13	P296.6	187.8	152 366
331319W	Other aluminum rolling and drawing, nec, nsk, total	N	X	X	D	N	X	X	N
331319WY	Other aluminum rolling and drawing, nec, nsk, total	N	X	X	3 000	N	X	X	N
331319WYWW	Other aluminum rolling and drawing, nec, nsk, for nonadministrative-record establishments	N	X	X	3 000	N	X	X	N
331319WYWY	Other aluminum rolling and drawing, nec, nsk, for administrative-record establishments	N	X	X	—	N	X	X	N
331411	Primary copper	N	X	X	5 387 471	N	X	X	4 826 977
3314110	Refined primary copper and copper-base alloy and primary copper smelter products, produced for further refining	N	X	X	5 387 471	N	X	X	N
33141101	Refined primary copper and copper-base alloy and primary copper smelter products, not commercial grade, produced for further refining, including blister or anode copper, etc.	N	X	X	5 387 412	N	X	X	N
3314110101	Primary copper smelter products, not of commercial grade, produced for further refining, including blister or anode copper, etc.	8	1 440.6	1 420.7	2 100 548	7	P1 105.2	1 065.4	1 907 303
3314110106	Refined primary cathode copper and copper-base alloy \$	6	N	D	D	8	N	N	N
3314110111	Other refined primary copper and copper-base alloy, including wire bar, ingot and ingot bar, cakes, slabs, shot, etc. \$	6	N	D	D	6	N	N	N
3314110Y	Primary copper nsk, total	N	X	X	59	N	X	X	N
3314110YWW	Primary copper, nsk, for nonadministrative-record establishments	N	X	X	59	N	X	X	N
3314110YWY	Primary copper, nsk, for administrative-record establishments	N	X	X	—	N	X	X	—
331419	Primary nonferrous metals, nec	N	X	X	3 704 645	N	X	X	2 873 078
3314191	Primary zinc residues and other zinc smelter products, produced for further refining	N	X	X	D	N	X	X	D
33141911	Primary zinc residues and other zinc smelter products not of commercial grade, produced for further refining, including base bullion, matte, speiss, etc.	N	X	X	D	N	X	X	N
3314191100	Primary zinc residues and other zinc smelter products not of commercial grade, produced for further refining, including base bullion, matte, speiss, etc.	4	X	X	D	3	X	X	D
3314193	Refined primary zinc	N	X	X	505 366	N	X	X	D
33141931	Refined primary zinc	N	X	X	505 366	N	X	X	N
3314193101	Refined primary unalloyed zinc, including all ASTM specification zinc \$	6	X	X	354 984	N	X	X	N
3314193111	Refined primary zinc-base alloys \$	8	S	S	150 382	7	P52.1	P51.4	61 498
3314193Y	Refined primary zinc, nsk	N	X	X	—	N	X	X	N
3314193YWV	Refined primary zinc, nsk	N	X	X	—	N	X	X	—

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
331419	Primary nonferrous metals, nec—Con.								
3314197	Primary precious metals and precious metal alloys	N	X	X	707 530	N	X	X	698 368
33141971	Primary gold and gold alloys	N	X	X	411 250	N	X	X	N
3314197101	Primary gold and gold alloys \$ 1,000 troy ounces..	18	91 982.6	91 961.6	411 250	15	S	1 065.5	371 003
33141972	Primary silver and silver alloys	N	X	X	266 029	N	X	X	N
3314197206	Primary silver and silver alloys \$ 1,000 troy ounces..	15	S	S	266 029	12	S	S	310 347
33141973	Primary platinum and platinum alloys, including platinum-group metals	N	X	X	30 251	N	X	X	N
3314197311	Primary platinum and platinum alloys, including platinum-group metals \$ 1,000 troy ounces..	9	211.9	103.4	30 251	8	S	961.3	17 018
3314197Y	Primary precious metals and precious metal alloys, nsk	N	X	X	—	N	X	X	N
3314197YVV	Primary precious metals and precious metal alloys, nsk	N	X	X	—	N	X	X	—
3314199	Other primary nonferrous metals, nec	N	X	X	D	N	X	X	1 555 693
33141991	Primary nonferrous metals	N	X	X	D	N	X	X	N
3314199101	Primary lead and lead-base alloys \$	11	X	X	345 077	8	X	X	258 060
3314199103	Primary magnesium and magnesium-base alloys \$ 1,000 s tons..	6	S	S	328 001	3	155.5	162.5	373 403
3314199106	Primary nickel, nickel-base alloys, and tin \$	12	X	X	331 724	N	X	X	N
3314199121	Primary unalloyed silicon \$	7	X	X	409 684	6	X	X	144 409
3314199126	Other primary unrefined nonferrous metals, including metal bearing furnace residues and other metal products	5	X	X	D	N	X	X	N
3314199131	Other primary refined nonferrous metals and their alloys, including cadmium, antimony, cobalt, molybdenum, titanium sponge, etc. \$	22	X	X	520 673	19	X	X	381 995
3314199Y	Other primary nonferrous metals, nec, nsk	N	X	X	—	N	X	X	N
3314199YVV	Other primary nonferrous metals, nec, nsk	N	X	X	—	N	X	X	58 976
331419W	Primary nonferrous metals, nec, nsk, total	N	X	X	116 194	N	X	X	121 309
331419WY	Primary nonferrous metals, nec, nsk	N	X	X	116 194	N	X	X	N
331419WYWW	Primary nonferrous metals, nec, nsk, for nonadministrative-record establishments	N	X	X	50 354	N	X	X	111 948
331419WYWY	Primary nonferrous metals, nec, nsk, for administrative-record establishments	N	X	X	65 840	N	X	X	9 361
331421	Rolled, drawn, or extruded copper products	N	X	X	7 107 699	N	X	X	5 496 446
3314211	Copper wire, bare and tinned (nonelectrical)	N	X	X	316 744	N	X	X	227 943
33142111	Unalloyed copper wire, bare and tinned (nonelectrical), made in rolling mills	N	X	X	188 616	N	X	X	N
3314211101	Unalloyed copper wire, bare and tinned (nonelectrical), made in rolling mills \$ 1,000 s tons..	11	109.3	102.4	188 616	10	S	139.5	105 112
33142112	Alloyed copper wire, bare and tinned (nonelectrical), made in rolling mills	N	X	X	128 128	N	X	X	N
3314211206	Alloyed copper wire, bare and tinned (nonelectrical), made in rolling mills \$ 1,000 s tons..	18	943.3	32.3	128 128	16	32.7	30.1	116 081
3314211Y	Copper wire, bare and tinned (nonelectrical), nsk	N	X	X	—	N	X	X	N
3314211YVV	Copper wire, bare and tinned (nonelectrical), nsk	N	X	X	—	N	X	X	6 750
3314213	Copper and copper-base alloy rod, bar, and shapes	N	X	X	2 675 502	N	X	X	2 312 068
33142131	Unalloyed copper and copper-base alloy rod, bar, and shapes (except electric rod)	N	X	X	818 528	N	X	X	N
3314213101	Unalloyed copper and copper-base alloy rod, bar, and shapes (except electric rod) 1,000 s tons..	13	576.2	562.0	818 528	9	961.6	957.5	829 860
33142132	Alloyed copper and copper-base alloy rod, bar, and shapes (except electric rod)	N	X	X	1 856 974	N	X	X	N
3314213206	Alloyed copper and copper-base alloy rod, bar, and shapes (except electric rod) 1,000 s tons..	24	982.2	91 053.2	1 856 974	22	1 329.4	9729.6	1 482 057
3314213Y	Copper and copper-base alloy rod, bar, and shapes, nsk	N	X	X	—	N	X	X	N
3314213YVV	Copper and copper-base alloy rod, bar, and shapes, nsk	N	X	X	—	N	X	X	151

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
331421	Rolled, drawn, or extruded copper products—Con.								
3314217	Copper and copper-base alloy sheet, strip, and plate	N	X	X	1 823 193	N	X	X	1 352 725
33142171	Unalloyed copper and copper-base alloy sheet, strip, and plate	N	X	X	411 335	N	X	X	N
3314217101	Unalloyed copper and copper-base alloy sheet, strip, and plate 1,000 s tons..	13	P197.8	P182.5	411 335	9	182.2	180.1	316 375
33142172	Alloyed copper and copper-base alloy sheet, strip, and plate (including military cups and discs)	N	X	X	1 411 858	N	X	X	N
3314217206	Alloyed copper and copper-base alloy sheet, strip, and plate (including military cups and discs) 1,000 s tons..	17	397.7	482.9	1 411 858	25	368.7	364.6	1 033 618
3314217Y	Copper and copper-base alloy sheet, strip, and plate, nsk	N	X	X	—	N	X	X	N
3314217YV	Copper and copper-base alloy sheet, strip, and plate, nsk	N	X	X	—	N	X	X	2 732
3314219	Copper and copper-base alloy pipe and tube	N	X	X	2 270 688	N	X	X	1 531 681
33142191	Unalloyed copper and copper-base alloy plumbing pipe and tube	N	X	X	972 776	N	X	X	N
3314219101	Unalloyed copper and copper-base alloy plumbing pipe and tube 1,000 s tons..	6	438.3	459.4	972 776	7	4192.4	243.7	770 226
33142192	Alloyed copper and copper-base alloy plumbing pipe and tube	N	X	X	D	N	X	X	N
3314219211	Alloyed copper and copper-base alloy plumbing pipe and tube 1,000 s tons..	3	D	D	D	4	S	S	N
33142193	Other alloyed and unalloyed copper and copper-base pipe and tube	N	X	X	D	N	X	X	N
3314219306	Other unalloyed copper and copper-base alloy pipe and tube 1,000 s tons..	7	P100.9	84.3	365 077	12	104.5	156.6	336 610
3314219316	Other alloyed copper and copper-base alloy pipe and tube 1,000 s tons..	17	D	D	D	17	S	S	N
3314219Y	Copper and copper-base alloy pipe and tube, nsk	N	X	X	—	N	X	X	N
3314219YV	Copper and copper-base alloy pipe and tube, nsk	N	X	X	—	N	X	X	—
331421W	Rolled, drawn, or extruded copper products, nsk, total	N	X	X	21 572	N	X	X	72 029
331421WY	Rolled, drawn, or extruded copper products, nsk, total	N	X	X	21 572	N	X	X	N
331421WYV	Rolled, drawn, or extruded copper products, nsk, for nonadministrative-record establishments	N	X	X	1 637	N	X	X	64 130
331421WYVY	Rolled, drawn, or extruded copper products, nsk, for administrative-record establishments	N	X	X	19 935	N	X	X	3 936
331422	Copper wire (except mechanical) drawing	N	X	X	914 402	N	X	X	N
3314221	Copper and copper-base alloy wire, strand, and cable for electrical transmission	N	X	X	914 402	N	X	X	604 251
33142211	Bare copper wire for electrical transmission	N	X	X	256 332	N	X	X	N
3314221101	Bare unalloyed copper wire for electrical transmission, made in nonferrous plants that draw wire \$ 1,000 s tons..	13	P107.0	P96.4	220 346	18	188.5	95.6	222 553
3314221106	Bare alloyed copper wire for electrical transmission, made in nonferrous plants that draw wire \$	8	X	X	35 986	7	X	X	49 146
33142212	Other copper and copper-base alloy wire, strand, and cable	N	X	X	625 717	N	X	X	N
3314221211	Copper and copper-base alloy bare strand and cable for electrical transmission 1,000 s tons..	12	483.9	486.9	293 104	11	126.4	114.0	257 633
3314221216	Other copper and copper-base alloy wire, strand, and cable for electrical transmission, including electrical wire rod	29	X	X	332 613	12	X	X	27 339
3314221Y	Copper and copper-base alloy wire, strand, and cable for electrical transmission, nsk	N	X	X	32 353	N	X	X	N
3314221YV	Copper and copper-base alloy wire, strand, and cable for electrical transmission, nsk	N	X	X	32 353	N	X	X	47 580
3314223	Copper wire cloth and woven wire products, made in nonferrous plants that draw wire	N	X	X	—	N	X	X	N
33142233	Copper wire cloth and woven wire products, made in nonferrous plants that draw wire	N	X	X	—	N	X	X	N
3314223300	Copper wire cloth and woven wire products, made in nonferrous plants that draw wire \$	—	X	X	—	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
331422	Copper wire (except mechanical) drawing—Con.								
331422W	Copper wire (except mechanical) drawing, nsk, total	N	X	X	—	N	X	X	N
331422WY	Copper wire (except mechanical) drawing, nsk, total	N	X	X	—	N	X	X	N
331422WYWW	Copper wire (except mechanical) drawing, nsk, for nonadministrative-record establishments	N	X	X	—	N	X	X	N
331422WYWY	Copper wire (except mechanical) drawing, nsk, for administrative-record establishments	N	X	X	—	N	X	X	N
331423	Secondary copper	N	X	X	1 094 557	N	X	X	N
3314230	Secondary smelting, refining, and alloying of copper	N	X	X	1 094 557	N	X	X	N
33142301	Secondary unalloyed copper cathode, wire bar, ingot, and ingot bar and copper and copper-base alloys powders, paste, and flakes	N	X	X	195 003	N	X	X	N
3314230101	Secondary unalloyed copper cathode, wire bar, ingot, and ingot bar \$	2	D	D	D	5	294.3	315.3	135 259
3314230106	Copper and copper-base alloy powders, paste, and flakes	18	X	D	D	24	X	54.1	123 638
33142302	Other secondary unalloyed copper, including cakes, slabs, shot, etc.	N	X	X	440 297	N	X	X	N
3314230206	Other secondary unalloyed copper, including cakes, slabs, shot, etc. \$	9	S	187.7	440 297	7	P280.8	P167.2	349 334
33142303	Secondary copper-base alloys	N	X	X	459 257	N	X	X	N
3314230311	Secondary copper-base alloys \$	20	S	S	459 257	17	S	S	346 373
3314230Y	Secondary smelting, refining, and alloying of copper, nsk, total	N	X	X	—	N	X	X	N
3314230YWW	Secondary smelting, refining, and alloying of copper, nsk, for nonadministrative-record establishments	N	X	X	—	N	X	X	N
3314230YWY	Secondary smelting, refining, and alloying of copper, nsk, for administrative-record establishments	N	X	X	—	N	X	X	N
331491	Other rolled, drawn, extruded, or alloyed nonferrous products	N	X	X	6 800 299	N	X	X	N
3314911	Nickel and nickel-base alloy mill shapes, including nickel-copper alloys	N	X	X	1 071 644	N	X	X	682 277
33149111	Nickel and nickel-base alloy plate, sheet, strip, and wire	N	X	X	899 841	N	X	X	N
3314911101	Nickel and nickel-base alloy plate, sheet, and strip, excluding nickel-copper alloys	13	S	S	332 036	11	111.9	17.7	242 846
3314911106	Other nickel and nickel-base alloy mill shapes, excluding nickel-copper alloys and wire	10	D	S	441 314	10	S	22.8	379 618
3314911111	Nickel-copper alloy mill shapes and forms (except wire)	7	D	S	67 606	7	101.5	1.7	21 707
3314911116	Nickel and nickel alloy wire, made in rolling mills \$	7	D	8.6	58 885	6	S	3.5	38 106
3314911Y	Nickel and nickel-base alloy mill shapes, including nickel-copper alloys, nsk	N	X	X	171 803	N	X	X	N
3314911YWV	Nickel and nickel-base alloy mill shapes, including nickel-copper alloys, nsk	N	X	X	171 803	N	X	X	N
3314913	Titanium and titanium-base alloy mill shapes, excluding wire	N	X	X	1 531 313	N	X	X	501 600
33149131	Titanium and titanium-base alloy mill shapes, excluding wire	N	X	X	1 525 741	N	X	X	N
3314913101	Titanium and titanium-base alloy ingot	6	S	P33.1	575 933	6	14.9	14.8	124 880
3314913106	Forging and extrusion titanium and titanium-alloy ingot (billet)	6	S	S	254 117	6	P11.4	9.6	145 718
3314913111	Other titanium and titanium-base alloy mill shapes, including sheet, plate, tubing, bar, etc., excluding wire	20	S	S	695 691	15	9.7	6.2	221 134
3314913Y	Titanium and titanium-base alloy mill shapes, excluding wire, nsk	N	X	X	5 572	N	X	X	N
3314913YWV	Titanium and titanium-base alloy mill shapes, excluding wire, nsk	N	X	X	5 572	N	X	X	9 868

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
331491	Other rolled, drawn, extruded, or alloyed nonferrous products—Con.								
3314915	Bare nonferrous metal wire (except aluminum and copper), made in nonferrous plants that draw wire	N	X	X	263 036	N	X	X	173 895
33149151	Bare nonferrous metal wire (except aluminum and copper), made in nonferrous plants that draw wire	N	X	X	263 036	N	X	X	N
3314915100	Bare nonferrous metal wire (except aluminum and copper), made in nonferrous plants that draw wire \$	14	X	X	263 036	16	X	X	173 895
3314917	Nonferrous wire cloth and woven wire products, made in nonferrous plants that draw wire	N	X	X	D	N	X	X	N
33149174	Nonferrous wire cloth and woven wire products, made in nonferrous plants that draw wire	N	X	X	D	N	X	X	N
3314917400	Nonferrous wire cloth and woven wire products, made in nonferrous plants that draw wire \$	1	X	X	D	N	X	X	N
3314919	Precious metal mill shapes	N	X	X	612 754	N	X	X	636 775
33149191	Other precious metal mill shapes, including platinum group metals, including wire	N	X	X	541 825	N	X	X	N
3314919101	Gold mill shapes, excluding wire	11	X	X	193 078	10	X	X	139 591
3314919106	Silver mill shapes, excluding wire	12	X	X	179 789	9	X	X	136 368
3314919111	Other precious metal mill shapes, including platinum-group metals, excluding wire	6	X	X	67 689	6	X	X	151 414
3314919116	Precious metal wire, made in rolling mills \$	6	X	X	101 269	9	X	X	81 241
3314919Y	Precious metal mill shapes, nsk	N	X	X	70 929	N	X	X	N
3314919YV	Precious metal mill shapes, nsk	N	X	X	70 929	N	X	X	128 161
331491C	All other nonferrous metal mill shapes	N	X	X	D	N	X	X	752 174
331491C1	Other nonferrous metal rolled, drawn, and extruded shapes, including zinc, excluding wire	N	X	X	631 138	N	X	X	N
331491C101	Magnesium and magnesium-base alloy mill shapes, excluding wire	3	17.0	D	D	7	24.6	20.9	73 320
331491C106	Lead and lead-base alloy plate, sheet, and strip, excluding wire	7	S	S	87 985	4	S	11.6	10 538
331491C111	Other rolled, drawn, or extruded lead and lead-base alloy mill shapes, including pipe, tubing, traps, and bends, excluding wire	7	X	X	70 590	13	X	X	66 199
331491C121	Tungsten and tungsten-base alloy mill shapes, excluding wire	4	X	X	10 977	4	X	X	6 951
331491C126	Molybdenum and molybdenum-base alloy mill shapes, excluding wire	4	X	X	41 830	4	X	X	24 010
331491C131	Other nonferrous metals, rolled, drawn, and extruded shapes, including zinc, excluding wire	27	X	X	351 224	27	X	X	326 098
331491C2	Other nonferrous wire (except copper, aluminum, nickel, and precious metals)	N	X	X	242 055	N	X	X	N
331491C216	Other nonferrous wire (except copper, aluminum, nickel, and precious metals), made in rolling mills \$	23	X	X	242 055	16	X	X	182 782
331491CY	All other nonferrous metal mill shapes, nsk	N	X	X	63 892	N	X	X	N
331491CYV	All other nonferrous metal mill shapes, nsk	N	X	X	63 892	N	X	X	62 276
331491E	Apparatus wire and cord and flexible cord sets (except wiring harnesses), made in plants that draw wire @	N	X	X	917 993	N	X	X	757 221
331491E1	Apparatus wire and cord and flexible cord sets (except wiring harnesses), made in plants that draw wire	N	X	X	917 993	N	X	X	N
331491E100	Apparatus wire and cord and flexible cord sets (except wiring harnesses), made in plants that draw wire \$	42	X	X	917 993	43	X	X	757 221
331491G	Magnet wire, made in plants that draw wire @	N	X	X	1 252 229	N	X	X	999 929
331491G1	Magnet wire, made in plants that draw wire	N	X	X	1 252 229	N	X	X	N
331491G100	Magnet wire, made in plants that draw wire	17	X	X	1 252 229	26	X	X	999 929

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NAICS product code	Product	1997				1992			
		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
331491	Other rolled, drawn, extruded, or alloyed nonferrous products—Con.								
331491W	Other rolled, drawn, extruded, or alloyed nonferrous products, nsk, total	N	X	X	212 934	N	X	X	N
331491WY	Other rolled, drawn, extruded, or alloyed nonferrous products, nsk, total	N	X	X	212 934	N	X	X	N
331491WYWW	Other rolled, drawn, extruded, or alloyed nonferrous products, nsk, for nonadministrative-record establishments	N	X	X	104 237	N	X	X	N
331491WYWY	Other rolled, drawn, extruded, or alloyed nonferrous products, nsk, for administrative-record establishments	N	X	X	108 697	N	X	X	N
331492	Other secondary nonferrous metals	N	X	X	3 079 695	N	X	X	N
3314921	Other nonferrous metal powders, paste, and flakes	N	X	X	963 564	N	X	X	N
33149211	Nickel-cobalt-base superalloy material powders, paste, and flakes	N	X	X	114 616	N	X	X	N
3314921101	Nickel-cobalt-base superalloy material powders, paste, and flakes	12	X	21.6	114 616	15	X	10.9	77 332
33149212	Tungsten and tungsten-base alloy powders, paste, and flakes	N	X	X	183 780	N	X	X	N
3314921206	Tungsten and tungsten-base alloy powders, paste, and flakes	6	X	S	183 780	9	X	46.5	149 942
33149213	Molybdenum powders, paste, and flakes	N	X	X	14 115	N	X	X	N
3314921311	Molybdenum powders, paste, and flakes	4	X	1.1	14 115	5	X	1.8	19 335
33149214	Other primary nonferrous metal powders, paste, and flakes	N	X	X	651 053	N	X	X	N
3314921416	Titanium and tantalum powders, paste, and flakes	4	X	X	14 080	N	X	X	N
3314921426	Precious metal and precious-metal-base alloy powders, paste, and flakes (gold, silver, platinum, etc.)	13	X	S	104 483	12	X	49.9	45 133
3314921431	Other nonferrous metal powders, paste, and flakes	35	X	S	532 490	28	X	174.9	185 217
3314921Y	Other nonferrous metal powders, paste, and flakes, nsk	N	X	X	—	N	X	X	N
3314921YWV	Other nonferrous metal powders, paste, and flakes, nsk	N	X	X	—	N	X	X	N
3314923	Secondary lead	N	X	X	717 903	N	X	X	574 309
33149231	Secondary unalloyed lead (pig, ingots, shot, etc.)	N	X	X	368 295	N	X	X	N
3314923101	Secondary unalloyed lead (pig, ingots, shot, etc.) \$	9	587.7	583.5	368 295	13	S	S	354 162
33149232	Secondary antimonial lead- and tin-base alloys	N	X	X	349 608	N	X	X	N
3314923206	Secondary lead- and tin-base alloy antimonial lead \$	9	S	284.4	177 107	11	207.2	175.2	103 699
3314923211	Secondary lead- and tin-base alloy babbitt metal \$	3	4	.4	2 409	4	S	6	2 871
3314923216	Secondary lead- and tin-base alloy solder \$	11	S	42.0	105 590	10	S	39.8	92 136
3314923221	Other secondary lead- and tin-base alloys, including type metal \$	11	D	85.0	64 502	4	22.5	22.5	13 744
3314923Y	Secondary lead, nsk	N	X	X	—	N	X	X	N
3314923YWV	Secondary lead, nsk	N	X	X	—	N	X	X	7 697
3314927	Secondary zinc	N	X	X	303 964	N	X	X	285 996
33149271	Secondary zinc, including all ASTM specification zinc	N	X	X	80 738	N	X	X	N
3314927101	Secondary zinc, including all ASTM specification zinc \$	5	X	X	80 738	N	X	X	N
33149272	Secondary zinc-base alloys	N	X	X	223 226	N	X	X	N
3314927206	Secondary zinc-base alloys \$	9	258.5	S	223 226	9	S	254.4	149 636
3314927Y	Secondary zinc, nsk	N	X	X	—	N	X	X	N
3314927YWV	Secondary zinc, nsk	N	X	X	—	N	X	X	1 294

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
331492	Other secondary nonferrous metals—Con.								
3314929	Secondary precious metals and precious metal alloys	N	X	X	466 533	N	X	X	1 343 263
33149291	Secondary gold and gold alloys	N	X	X	234 424	N	X	X	N
3314929101	Secondary gold and gold alloys \$	18	X	X	234 424	21	X	X	1 003 696
33149292	Secondary silver, silver alloys, platinum, and platinum alloys	N	X	X	232 109	N	X	X	N
3314929206	Secondary silver and silver alloys \$	15	X	X	129 030	22	X	X	96 499
3314929211	Secondary platinum and platinum alloys, including platinum-group metals \$	9	X	X	103 079	16	X	X	212 815
3314929Y	Secondary precious metals and precious metal alloys, nsk	N	X	X	—	N	X	X	N
3314929YVV	Secondary precious metals and precious metal alloys, nsk	N	X	X	—	N	X	X	30 253
331492A	Other nonferrous additive alloys	N	X	X	407 931	N	X	X	N
331492A1	Nonferrous superalloys	N	X	X	D	N	X	X	N
331492A101	Nonferrous superalloys (gross weight) \$	5	9.2	8.5	160 907	N	N	N	N
331492A106	Secondary nickel and nickel-base alloys \$	4	X	X	D	5	X	X	N
331492A111	Secondary unalloyed tin \$	7	X	X	20 343	6	X	X	N
331492A116	Other secondary nonferrous metals and their alloys, including cadmium, antimony, cobalt, titanium sponge, etc. \$	21	X	X	173 535	12	X	X	42 462
331492A2	Other nonferrous additive alloys (including nonferrous speigeleisen), (gross weight)	N	X	X	D	N	X	X	N
331492A206	Other nonferrous additive alloys (including nonferrous speigeleisen), (gross weight)	1	D	D	D	N	N	N	N
331492A3	Other nonferrous products made in electric and other furnaces	N	X	X	38 445	N	X	X	N
331492A311	Other nonferrous products made in electric and other furnaces (gross weight)	5	S	32.0	38 445	N	N	N	N
331492AY	Other nonferrous additive alloys, nsk	N	X	X	—	N	X	X	N
331492AYVV	Other nonferrous additive alloys, nsk	N	X	X	—	N	X	X	N
331492W	Other secondary nonferrous metals, nsk, total	N	X	X	219 800	N	X	X	N
331492WY	Other secondary nonferrous metals, nsk, total	N	X	X	219 800	N	X	X	N
331492WYWW	Other secondary nonferrous metals, nsk, for nonadministrative-record establishments	N	X	X	127 555	N	X	X	N
331492WYWY	Other secondary nonferrous metals, nsk, for administrative-record establishments	N	X	X	92 245	N	X	X	N
331511	Iron foundries	N	X	X	11 875 995	N	X	X	N
3315111	Ductile iron pressure pipe and fittings	N	X	X	1 542 695	N	X	X	1 125 531
33151111	Ductile iron pressure pipes and iron-fittings, all sizes	N	X	X	647 378	N	X	X	N
3315111106	Ductile iron pressure pipe, 14 in. or more (inside diameter)	9	X	P449.1	279 317	5	X	199.8	97 440
3315111111	Ductile iron fittings, less than 14 in. (inside diameter)	23	X	S	286 150	22	X	68.9	106 776
3315111116	Ductile iron fittings, 14 in. or more (inside diameter)	13	X	P40.3	81 911	12	X	20.6	43 282
33151112	Ductile iron pressure pipes and fittings, less than 14 in.	N	X	X	895 317	N	X	X	N
3315111201	Ductile iron pressure pipe, less than 14 in. (inside diameter)	16	X	1 476.3	895 317	11	X	S	878 033
3315111Y	Ductile iron pressure pipe and fittings, nsk	N	X	X	—	N	X	X	N
3315111YVV	Ductile iron pressure pipe and fittings, nsk	N	X	X	—	N	X	X	—
3315113	Other ductile iron castings	N	X	X	3 471 990	N	X	X	1 778 380
33151131	Other ductile iron castings for automotive uses	N	X	X	1 620 369	N	X	X	N
3315113101	Other ductile iron castings for automotive uses	46	X	P1 227.8	1 620 369	49	X	925.3	1 028 850

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
331511	Iron foundries—Con.								
3315113	Other ductile iron castings—Con.								
33151132	Other ductile iron castings for all other uses	N	X	X	1 851 621	N	X	X	N
3315113206	Other ductile iron castings for construction and utility uses	57	X	P104.3	167 428	40	X	46.9	71 338
3315113211	Other ductile iron castings for valve uses	47	X	S	138 719	35	X	P28.1	57 727
3315113216	Other ductile iron castings for machinery uses	112	X	P273.6	412 546	105	X	186.4	283 429
3315113221	Other ductile iron castings for all other uses, including electric and electronic equipment uses, heat-resistant parts, (including coke oven door parts)	128	X	S	1 132 928	98	X	P197.1	328 098
3315113Y	Other ductile iron castings, nsk	N	X	X	—	N	X	X	N
3315113YVV	Other ductile iron castings, nsk	N	X	X	—	N	X	X	8 938
3315115	Cast iron pressure pipe and fittings	N	X	X	63 802	N	X	X	46 767
33151151	Cast iron pressure pipe fittings, all sizes	N	X	X	63 802	N	X	X	N
3315115101	Cast iron pressure pipe, less than 14 in. (inside diameter)	12	X	X	26 139	6	X	X	5 699
3315115106	Cast iron pressure pipe, 14 in. or more (inside diameter)	6	X	X	3 175	3	X	X	1 932
3315115111	Cast iron pressure pipe fittings, less than 14 in. (inside diameter)	18	X	P17.9	28 994	11	X	20.2	27 574
3315115116	Cast iron pressure pipe fittings, 14 in. or more (inside diameter)	9	X	S	5 494	7	X	11.8	9 384
3315115Y	Cast iron pressure pipe and fittings, nsk	N	X	X	—	N	X	X	N
3315115YVV	Cast iron pressure pipe and fittings, nsk	N	X	X	—	N	X	X	2 178
3315117	Cast iron soil pipe and fittings, all sizes	N	X	X	254 152	N	X	X	189 059
33151171	Cast iron soil pipe fittings, all sizes	N	X	X	254 152	N	X	X	N
3315117101	Cast iron soil pipe, 3 in. or less (inside diameter)	3	X	D	D	7	X	P61.0	37 191
3315117106	Cast iron soil pipe, more than 3 in. up to but not including 5 in. (inside diameter)	4	X	D	D	6	X	S	48 098
3315117111	Cast iron soil pipe, 5 in. or more (inside diameter)	6	X	S	76 663	8	X	S	35 742
3315117116	Cast iron soil pipe fittings (including special fittings), 3 in. or less (inside diameter)	5	X	P11.0	16 427	11	X	P17.3	21 886
3315117121	Cast iron soil pipe fittings (including special fittings), more than 3 in. up to but not including 5 in. (inside diameter)	7	X	S	64 418	10	X	S	26 256
3315117126	Cast iron soil pipe fittings (including special fittings), 5 in. or more (inside diameter)	6	X	S	18 554	7	X	S	17 562
3315117Y	Cast iron soil pipe and fittings, all sizes, nsk	N	X	X	—	N	X	X	N
3315117YVV	Cast iron soil pipe and fittings, all sizes, nsk	N	X	X	—	N	X	X	2 324
3315119	Other gray iron castings	N	X	X	6 055 346	N	X	X	3 908 916
33151191	Other gray iron castings for all other uses	N	X	X	3 544 815	N	X	X	N
3315119101	Gray iron rolls for rolling mills	11	X	S	167 716	13	X	91.1	119 403
3315119111	Other gray iron castings for construction and utility uses	84	X	9691.2	871 455	92	X	9444.2	490 155
3315119116	Other gray iron castings for all other uses	274	X	P2 313.1	2 505 644	285	X	1 302.8	1 380 920
33151192	Other gray iron castings for automotive uses	N	X	X	2 510 531	N	X	X	N
3315119206	Other gray iron castings for automotive uses	53	X	S	2 510 531	59	X	3 508.0	1 881 737
3315119Y	Other gray iron castings, nsk	N	X	X	—	N	X	X	N
3315119YVV	Other gray iron castings, nsk	N	X	X	—	N	X	X	36 701
331511A	Standard malleable iron castings	N	X	X	205 659	N	X	X	188 739
331511A1	Standard malleable iron castings	N	X	X	205 659	N	X	X	N
331511A100	Standard malleable iron castings	20	X	S	205 659	23	X	102.4	188 739
331511C	Pearlitic malleable iron castings	N	X	X	132 615	N	X	X	105 467
331511C3	Pearlitic malleable iron castings	N	X	X	132 615	N	X	X	N
331511C300	Pearlitic malleable iron castings	11	X	S	132 615	12	X	92.8	105 467
331511E	Molds and stools for heavy steel ingots	N	X	X	54 305	N	X	X	112 136
331511E2	Molds and stools for heavy steel ingots	N	X	X	54 305	N	X	X	N
331511E200	Molds and stools for heavy steel ingots	13	X	S	54 305	10	X	285.4	112 136

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		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
331511	Iron foundries—Con.								
331511W	Iron foundries, nsk, total	N	X	X	95 431	N	X	X	N
331511WY	Iron foundries, nsk, total	N	X	X	95 431	N	X	X	N
331511WYWW	Iron foundries, nsk, for nonadministrative-record establishments	N	X	X	3 199	N	X	X	N
331511WYWY	Iron foundries, nsk, for administrative-record establishments	N	X	X	92 232	N	X	X	N
331512	Steel investment foundries	N	X	X	2 231 809	N	X	X	1 628 889
3315120	Steel investment castings	N	X	X	2 231 809	N	X	X	1 628 889
33151201	Carbon and alloy steel investment castings	N	X	X	801 461	N	X	X	N
3315120101	Carbon (including low alloy) steel investment castings	79	X	X	524 259	60	X	X	257 079
3315120106	Alloy (excluding stainless) steel investment castings	56	X	X	277 202	42	X	X	150 491
33151202	Hi-temp metal investment castings (iron, nickel, or cobalt-base alloys)	N	X	X	987 152	N	X	X	N
3315120216	Hi-temp metal investment castings (iron, nickel, or cobalt-base alloys)	44	X	S	987 152	37	X	S	776 143
33151203	Stainless steel investment castings	N	X	X	423 426	N	X	X	N
3315120311	Stainless steel investment castings	103	X	X	423 426	77	X	X	347 460
3315120Y	Steel investment castings, nsk, total	N	X	X	19 770	N	X	X	N
3315120YWW	Steel investment castings, nsk, for nonadministrative-record establishments	N	X	X	236	N	X	X	85 722
3315120YWY	Steel investment castings, nsk, for administrative-record establishments	N	X	X	19 534	N	X	X	11 994
331513	Steel foundries, nec	N	X	X	2 692 742	N	X	X	2 011 383
3315131	Other carbon steel castings, except investment	N	X	X	1 169 105	N	X	X	879 844
33151311	Cast carbon steel railroad car wheels and railway specialties	N	X	X	427 879	N	X	X	N
3315131101	Cast carbon steel railroad car wheels and railway specialties	11	X	X	427 879	16	X	X	372 342
33151312	All other carbon steel castings, except investment	N	X	X	741 226	N	X	X	N
3315131206	Carbon steel rolls for rolling mills	3	X	X	6 165	4	X	X	D
3315131211	Other carbon steel castings, except investment	117	X	X	735 061	95	X	X	486 117
3315131Y	Other carbon steel castings, except investment, nsk	N	X	X	—	N	X	X	N
3315131YVV	Other carbon steel castings, except investment, nsk	N	X	X	—	N	X	X	D
3315133	High alloy steel castings, except investment	N	X	X	738 566	N	X	X	432 207
33151331	High alloy steel castings, except investment	N	X	X	738 566	N	X	X	N
3315133101	High manganese alloy steel castings, except investment	22	X	S	162 765	19	X	P47.0	101 499
3315133106	Other high alloy steel castings, except investment	95	X	X	575 801	77	X	X	330 708
3315133Y	High alloy steel castings, except investment, nsk	N	X	X	—	N	X	X	N
3315133YVV	High alloy steel castings, except investment, nsk	N	X	X	—	N	X	X	—
3315135	Other alloy steel castings, except investment	N	X	X	728 230	N	X	X	487 359
33151351	Other alloy steel castings, except investment	N	X	X	728 230	N	X	X	N
3315135101	Other alloy steel railway specialties castings, except investment	6	X	D	D	3	X	P.5	1 186
3315135106	Other alloy steel rolls for rolling mills, except investment	5	X	D	D	8	X	S	81 419
3315135111	All other alloy steel castings, except investment	79	X	206.2	586 891	67	X	P202.0	403 328
3315135Y	Other alloy steel castings, except investment, nsk	N	X	X	—	N	X	X	N
3315135YVV	Other alloy steel castings, except investment, nsk	N	X	X	—	N	X	X	1 426
331513W	Steel foundries, nec, nsk, total	N	X	X	56 841	N	X	X	211 973
331513WY	Steel foundries, nec, nsk, total	N	X	X	56 841	N	X	X	N
331513WYWW	Steel foundries, n.e.c., nsk, for nonadministrative-record establishments	N	X	X	S	N	X	X	177 659
331513WYWY	Steel foundries, n.e.c., nsk, for administrative-record establishments	N	X	X	58 408	N	X	X	34 314

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		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
331521	Aluminum die-castings	N	X	X	3 745 476	N	X	X	2 542 867
3315210	Aluminum and aluminum-base alloy die-castings	N	X	X	3 745 476	N	X	X	2 542 867
33152100	Aluminum and aluminum-base alloy die-castings	N	X	X	3 644 370	N	X	X	N
3315210000	Aluminum and aluminum-base alloy die-castings..... mil lb..	249	X	¶1 420.9	3 644 370	N	X	N	N
3315210Y	Aluminum die-castings, nsk, total	N	X	X	101 106	N	X	X	N
3315210YWW	Aluminum die-castings, nsk, for nonadministrative-record establishments	N	X	X	5 590	N	X	X	N
3315210YWY	Aluminum die-castings, nsk, for administrative-record establishments	N	X	X	95 516	N	X	X	35 426
331522	Nonferrous die-castings, except aluminum	N	X	X	1 804 752	N	X	X	1 089 706
3315220	Nonferrous (except aluminum) die-castings	N	X	X	1 804 752	N	X	X	1 089 706
33152201	Copper and copper-base alloy die-castings (including bearings and bushings).....	N	X	X	153 999	N	X	X	N
3315220101	Copper and copper-base alloy die-castings (including bearings and bushings)..... mil lb..	38	X	¶36.7	153 999	19	X	S	79 719
33152202	Zinc and zinc-base alloy die-castings.....	N	X	X	905 209	N	X	X	N
3315220206	Zinc and zinc-base alloy die-castings..... mil lb..	172	X	¶360.7	905 209	159	X	¶253.8	685 768
33152203	Magnesium and magnesium-base alloy die-castings	N	X	X	326 413	N	X	X	N
3315220311	Magnesium and magnesium-base alloy die-castings..... mil lb..	18	X	¶64.0	326 413	13	X	20.8	103 632
33152204	Lead and lead-base alloy die-castings.....	N	X	X	72 339	N	X	X	N
3315220416	Lead and lead-base alloy die-castings..... mil lb..	11	X	¶41.0	72 339	15	X	50.0	51 117
33152205	Other nonferrous metal die-castings, except aluminum	N	X	X	228 388	N	X	X	N
3315220521	Other nonferrous metal die-castings, except aluminum..... mil lb..	28	X	S	228 388	15	X	S	29 255
3315220Y	Nonferrous (except aluminum) die-castings, nsk, total	N	X	X	118 404	N	X	X	N
3315220YWW	Nonferrous (except aluminum) die-castings, nsk, for nonadministrative-record establishments	N	X	X	90 026	N	X	X	112 761
3315220YWY	Nonferrous (except aluminum) die-castings, nsk, for administrative-record establishments	N	X	X	28 378	N	X	X	27 454
331524	Aluminum foundries	N	X	X	3 581 465	N	X	X	1 875 300
3315240	Aluminum and aluminum-base alloy castings, excluding die-castings	N	X	X	3 581 465	N	X	X	1 875 300
33152401	Aluminum and aluminum-base alloy sand castings (except cast aluminum cooking utensils)	N	X	X	1 358 007	N	X	X	N
3315240101	Aluminum and aluminum-base alloy sand castings (except cast aluminum cooking utensils)..... mil lb..	307	X	¶312.6	1 358 007	332	X	S	874 107
33152402	Aluminum and aluminum-base alloy permanent and semipermanent mold castings (except cast aluminum cooking utensils)	N	X	X	1 670 689	N	X	X	N
3315240206	Aluminum and aluminum-base alloy permanent and semipermanent mold castings (except cast aluminum cooking utensils)..... mil lb..	127	X	¶614.7	1 670 689	112	X	¶295.0	645 975
33152403	Aluminum and aluminum-base alloy investment castings (except cast aluminum cooking utensils)	N	X	X	145 300	N	X	X	N
3315240311	Aluminum and aluminum-base alloy investment castings (except cast aluminum cooking utensils)	44	X	X	145 300	35	X	X	102 678
33152404	Other aluminum and aluminum-base alloy castings	N	X	X	304 597	N	X	X	N
3315240416	Nonelectric cast aluminum pressure cookers (household-type) and nonelectric cast aluminum cooking utensils	5	X	X	16 785	9	X	X	37 377
3315240421	Other aluminum and aluminum-base alloy castings, excluding die-castings (except cast aluminum cooking utensils)	76	X	X	287 812	38	X	X	105 134

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
331524	Aluminum foundries—Con.								
3315240	Aluminum and aluminum-base alloy castings, excluding die-castings—Con.								
3315240Y	Aluminum foundries, nsk, total	N	X	X	102 872	N	X	X	N
3315240YWW	Aluminum foundries, nsk, for nonadministrative-record establishments	N	X	X	36 092	N	X	X	61 259
3315240YWY	Aluminum foundries, nsk, for administrative-record establishments	N	X	X	66 780	N	X	X	48 770
331525	Copper foundries.....	N	X	X	866 731	N	X	X	750 446
3315250	Copper and copper-base alloy castings, excluding die-castings.....	N	X	X	866 731	N	X	X	750 446
33152501	Copper-base alloy sand castings (except bearings and bushings)	N	X	X	164 612	N	X	X	N
3315250101	Copper-base alloy sand castings (except bearings and bushings)	58	X	X	164 612	67	X	X	122 660
33152502	Leaded red and semi-red brass sand castings (except bearings and bushings).....	N	X	X	194 330	N	X	X	N
3315250206	Leaded red and semi-red brass sand castings (except bearings and bushings).....	87	X	X	88 245	105	X	X	100 047
3315250221	Engineered copper alloy sand castings, including manganese bronzes, silicon bronzes and brasses, aluminum bronzes, and copper nickels (except bearings and bushings).....	89	X	X	106 085	101	X	X	92 510
33152504	Tin bronze, copper and high-copper alloy, and other copper alloy sand castings	N	X	X	219 069	N	X	X	N
3315250411	Tin bronze sand castings, including leaded and high-leaded (except bearings and bushings)	55	X	X	56 133	51	X	X	41 980
3315250416	Copper and high-copper alloy sand castings (except bearings and bushings).....	28	X	X	85 244	34	X	X	52 268
3315250426	Other copper alloy sand castings, including yellow and leaded yellow brasses, nickel tin bronzes, nickel silvers, lead bronzes, and special alloys (except bearings and bushings).....	33	X	X	77 692	46	X	X	52 270
33152505	Other copper and copper-base alloy castings, excluding die-castings	N	X	X	163 879	N	X	X	N
3315250531	Copper and copper-base alloy permanent and semipermanent mold castings (except bearings and bushings).....	5	X	X	25 962	6	X	X	29 867
3315250536	Copper and copper-base alloy centrifugal castings (except bearings and bushings)	8	X	X	49 963	10	X	X	33 636
3315250541	Copper and copper-base alloy investment castings (except bearings and bushings)	35	X	X	32 557	40	X	X	23 279
3315250546	Other copper and copper-base alloy castings, excluding die-castings (except bearings and bushings)	15	X	X	55 397	11	X	X	27 830
33152506	Copper-base alloy bearings and bushings, nonmachined	N	X	X	32 840	N	X	X	N
3315250651	Copper-base alloy bearings and bushings, nonmachined	5	X	X	32 840	9	X	X	34 115
3315250Y	Copper foundries, nsk, total	N	X	X	92 001	N	X	X	N
3315250YWW	Copper foundries, nsk, for nonadministrative-record establishments	N	X	X	69 573	N	X	X	129 464
3315250YWY	Copper foundries, nsk, for administrative-record establishments	N	X	X	22 428	N	X	X	10 520
331528	Nonferrous foundries, nec	N	X	X	1 065 937	N	X	X	468 672
3315280	Other nonferrous foundries	N	X	X	1 065 937	N	X	X	468 672
33152801	Nickel and nickel-base alloy castings (excluding die-castings)	N	X	X	154 088	N	X	X	N
3315280116	Nickel and nickel-base alloy castings (excluding die-castings)	19	X	X	154 088	16	X	X	100 949

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331528	Nonferrous foundries, nec— Con.								
3315280	Other nonferrous foundries—Con.								
33152802	Other nonferrous metal castings, excluding die-castings.....	N	X	X	879 672	N	X	X	N
3315280201	Zinc and zinc-base alloy castings (excluding die-castings)	24	X	X	83 990	15	X	X	36 361
3315280206	Magnesium and magnesium-base alloy sand castings (excluding die-castings)	12	X	X	35 518	14	X	X	32 871
3315280211	Other magnesium and magnesium-base alloy castings, including permanent and semipermanent mold and cast anodes (excluding die-castings)	7	X	X	10 058	5	X	X	13 813
3315280221	Other nonferrous metal castings (excluding die-castings)	61	X	X	750 106	N	X	X	N
3315280Y	Other nonferrous foundries, nsk, total	N	X	X	32 177	N	X	X	N
3315280YVWV	Nonferrous foundries, nsk, for nonadministrative-record establishments	N	X	X	13 751	N	X	X	D
3315280YWY	Other nonferrous foundries, nsk, for administrative-record establishments	N	X	X	18 426	N	X	X	17 944
332111	Iron and steel forgings	N	X	X	4 535 526	N	X	X	3 140 952
3321111	Hot impression die impact, press, and upset steel forgings	N	X	X	3 152 952	N	X	X	2 142 359
33211111	Hot impression die impact, press, and upset carbon steel forgings	N	X	X	1 356 439	N	X	X	N
3321111101	Hot impression die impact, press, and upset carbon steel forgings, 1,000 s tons..	112	X	9743.3	1 356 439	108	X	9583.0	915 145
33211112	Hot impression die impact, press, and upset alloy steel forgings, excluding stainless and hi-temp	N	X	X	1 068 337	N	X	X	N
3321111206	Hot impression die impact, press, and upset alloy steel forgings, excluding stainless and hi-temp, 1,000 s tons..	77	X	526.5	1 068 337	76	X	490.6	700 475
33211113	Hot impression die impact, press, and upset stainless steel forgings	N	X	X	111 713	N	X	X	N
3321111311	Hot impression die impact, press, and upset stainless steel forgings, 1,000 s tons..	46	X	14.6	111 713	43	X	15.4	104 700
33211114	Hot impression die impact, press, and upset hi-temp (iron, nickel, or cobalt-base alloy) steel forgings	N	X	X	389 369	N	X	X	N
3321111416	Hot impression die impact, press, and upset hi-temp (iron, nickel, or cobalt-base alloy) steel forgings, 1,000 s tons..	20	X	7.5	389 369	26	X	5.1	273 195
3321111Y	Hot impression die impact, press, and upset steel forgings, nsk	N	X	X	227 094	N	X	X	N
3321111YVWV	Hot impression die impact, press, and upset steel forgings, nsk	N	X	X	227 094	N	X	X	148 844
3321113	Cold impression die impact, press, and upset steel forgings	N	X	X	354 695	N	X	X	255 260
33211131	Cold impression die impact, press, and upset steel forgings	N	X	X	350 008	N	X	X	N
3321113101	Cold impression die impact, press, and upset carbon steel forgings, 1,000 s tons..	13	X	149.1	234 588	13	X	147.6	108 508
3321113106	Cold impression die impact, press, and upset alloy steel forgings, 1,000 s tons..	8	X	D	D	8	X	65.1	101 995
3321113111	Cold impression die impact, press, and upset stainless steel and hi-temp (iron, nickel, or cobalt-base alloy) forgings, 1,000 s tons..	2	X	D	D	3	X	S	5 153
3321113Y	Cold impression die impact, press, and upset steel forgings, nsk	N	X	X	4 687	N	X	X	N
3321113YVWV	Cold impression die impact, press, and upset steel forgings, nsk	N	X	X	4 687	N	X	X	39 604
3321115	Seamless rolled ring forgings, ferrous, not made in steel mills	N	X	X	342 342	N	X	X	157 229
33211151	Seamless rolled ring forgings, ferrous, not made in steel mills	N	X	X	342 342	N	X	X	N
3321115101	Seamless carbon steel and alloy steel rolled ring forgings, excluding stainless and hi-temp, not made in steel mills \$	25	X	X	200 433	20	X	X	76 168
3321115106	Seamless stainless steel and hi-temp (iron, nickel, or cobalt-base alloy) rolled ring forgings, not made in steel mills \$	13	X	X	141 909	15	X	X	81 049
3321115Y	Seamless rolled ring forgings, ferrous (not made in steel mills), nsk	N	X	X	—	N	X	X	N
3321115YVWV	Seamless rolled ring forgings, ferrous (not made in steel mills), nsk	N	X	X	—	N	X	X	Z

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332111	Iron and steel forgings—Con.								
3321117	Open die or smith forgings (hammer or press), ferrous, not made in steel mills	N	X	X	505 124	N	X	X	330 119
33211171	Open die or smith forgings (hammer or press), ferrous, not made in steel mills	N	X	X	504 974	N	X	X	N
3321117101	Carbon and alloy steel open die or smith forgings (hammer or press), excluding stainless and hi-temp, not made in steel mills \$	38	X	X	313 867	41	X	X	291 586
3321117106	Stainless steel and hi-temp (iron, nickel, or cobalt-base alloy) open die or smith forgings (hammer or press), not made in steel mills \$	21	X	X	191 107	21	X	X	38 192
3321117Y	Open die or smith forgings (hammer or press), ferrous (not made in steel mills), nsk	N	X	X	150	N	X	X	N
3321117YWV	Open die or smith forgings (hammer or press), ferrous (not made in steel mills), nsk	N	X	X	150	N	X	X	341
332111W	Iron and steel forgings, nsk, total	N	X	X	180 413	N	X	X	255 985
332111WY	Iron and steel forgings, nsk, total	N	X	X	180 413	N	X	X	N
332111WYWW	Iron and steel forgings, nsk, for nonadministrative-record establishments	N	X	X	76 179	N	X	X	211 219
332111WYWY	Iron and steel forgings, nsk, for administrative-record establishments	N	X	X	104 234	N	X	X	44 766
332112	Nonferrous forgings	N	X	X	2 083 289	N	X	X	1 233 527
3321121	Hot impression die impact, press, and upset nonferrous forgings	N	X	X	1 528 804	N	X	X	965 101
33211211	Hot impression die impact, press, and upset aluminum and aluminum alloy forgings	N	X	X	903 881	N	X	X	N
3321121101	Hot impression die impact, press, and upset aluminum and aluminum alloy forgings	35	X	73.5	903 881	31	X	P58.9	556 359
33211212	Hot impression die impact, press, and upset titanium and titanium alloy forgings	N	X	X	324 580	N	X	X	N
3321121206	Hot impression die impact, press, and upset titanium and titanium alloy forgings	25	X	16.8	324 580	22	X	X	192 684
33211213	Other hot impression die impact, press, and upset nonferrous	N	X	X	285 501	N	X	X	N
3321121311	Hot impression die impact, press, and upset copper and copper-base alloy forgings	10	X	7.9	39 413	10	X	P15.3	87 707
3321121316	Other hot impression die impact, press, and upset nonferrous forgings	20	X	16.6	246 088	13	X	S	119 410
3321121Y	Hot impression die impact, press, and upset nonferrous forgings, nsk	N	X	X	14 842	N	X	X	—
3321121YWV	Hot impression die impact, press, and upset nonferrous forgings, nsk	N	X	X	14 842	N	X	X	8 941
3321122	Other nonferrous forgings	N	X	X	518 512	N	X	X	172 350
33211221	Other nonferrous forgings	N	X	X	514 045	N	X	X	N
3321122101	Cold impression die impact, press, and upset nonferrous forgings	8	X	D	D	5	X	X	79 690
3321122106	Seamless rolled ring nonferrous forgings	6	X	5.0	68 689	7	X	P2.1	30 246
3321122111	Open die or smith nonferrous forgings, hammer or press	9	X	D	D	10	X	X	19 560
3321122Y	Other nonferrous forgings, nsk	N	X	X	4 467	N	X	X	—
3321122YWV	Other nonferrous forgings, nsk	N	X	X	4 467	N	X	X	42 854
332112W	Nonferrous forgings, nsk, total	N	X	X	35 973	N	X	X	96 076
332112WY	Nonferrous forgings, nsk, total	N	X	X	35 973	N	X	X	—
332112WYWW	Nonferrous forgings, nsk, for nonadministrative-record establishments	N	X	X	6 936	N	X	X	89 478
332112WYWY	Nonferrous forgings, nsk, for administrative-record establishments	N	X	X	29 037	N	X	X	6 598
332114	Custom roll form products	N	X	X	3 455 053	N	X	X	N

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332114	Custom roll form products — Con.								
3321140	Custom roll form products	N	X	X	3 455 053	N	X	X	N
33211401	Custom carbon steel roll form products	N	X	X	2 327 156	N	X	X	N
3321140101	Custom carbon steel roll form products	253	X	X	2 327 156	205	X	X	934 375
33211402	Custom stainless steel roll form products	N	X	X	233 724	N	X	X	N
3321140206	Custom stainless steel roll form products	137	X	X	233 724	111	X	X	171 006
33211403	Custom aluminum roll form products	N	X	X	274 130	N	X	X	N
3321140311	Custom aluminum roll form products	83	X	X	274 130	70	X	X	272 180
33211404	Other custom metal roll form products	N	X	X	245 474	N	X	X	N
3321140416	Other custom metal roll form products	70	X	X	245 474	55	X	X	167 568
3321140Y	Custom roll form products, nsk, total	N	X	X	374 569	N	X	X	N
3321140YWW	Custom roll form products, nsk, total, for nonadministrative-record establishments	N	X	X	338 945	N	X	X	N
3321140YWY	Custom roll form products, nsk, for administrative-record establishments	N	X	X	35 624	N	X	X	N
332115	Crowns and closures	N	X	X	969 693	N	X	X	810 981
3321150	Metal commercial closures and metal home-canning closures, except crowns	N	X	X	969 693	N	X	X	N
33211501	Metal commercial closures and metal home-canning closures, except crowns, nsk	N	X	X	943 194	N	X	X	N
3321150101	Metal and metal-composite closures, including home-canning closures	40	X	X	755 165	34	X	X	635 511
3321150103	Metal crowns (including soft drinks, beer, and all other)	5	X	X	D	N	X	X	N
3321150106	All other metal closures, including beer and roll-ons	7	X	X	D	N	X	X	N
3321150Y	Metal commercial closures and metal home-canning closures, except crowns, nsk	N	X	X	26 499	N	X	X	N
3321150YWW	Crowns and closures, nsk, for nonadministrative-record establishments	N	X	X	14 595	N	X	X	N
3321150YWY	Crowns and closures, nsk, for administrative-record establishments	N	X	X	11 904	N	X	X	4 830
332116	Metal stampings, nec	N	X	X	11 664 699	N	X	X	N
3321161	Metal job stampings, except automotive	N	X	X	7 976 387	N	X	X	5 076 881
33211611	Recreational vehicle metal job stampings (motor homes, travel trailers, etc.)	N	X	X	596 013	N	X	X	N
3321161101	Recreational vehicle metal job stampings (motor homes, travel trailers, etc.)	78	X	X	158 219	71	X	X	99 955
3321161115	Agricultural equipment metal job stampings, including tractor	111	X	X	437 794	102	X	X	176 357
33211612	Motor and generator metal job stampings	N	X	X	767 141	N	X	X	N
3321161205	Motor and generator metal job stampings	147	X	X	767 141	117	X	X	445 025
33211613	Other metal job stampings	N	X	X	3 945 166	N	X	X	N
3321161311	Aviation metal job stampings	98	X	X	175 018	101	X	X	165 930
3321161331	Furniture metal job stampings	118	X	X	230 031	94	X	X	196 221
3321161352	Radio and phonograph metal job stampings, except automotive	20	X	X	31 163	22	X	X	34 642
3321161354	Television metal job stampings	48	X	X	189 445	31	X	X	115 322
3321161388	Other industrial equipment metal job stampings	364	X	X	833 722	311	X	X	471 003
3321161398	Other metal job stampings, except automotive	691	X	X	2 485 787	684	X	X	1 561 802
33211614	Computer and office machine metal job stampings	N	X	X	1 338 252	N	X	X	N
3321161421	Computer metal job stampings	177	X	X	1 176 751	190	X	X	548 990
3321161441	Office machine metal job stampings, excluding computer	64	X	X	161 501	73	X	X	166 435

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
332116	Metal stampings, nec—Con.								
3321161	Metal job stampings, except automotive—Con.								
33211615	Electrical appliance metal job stampings, residential, commercial, and industrial	N	X	X	869 948	N	X	X	N
3321161525	Electrical appliance metal job stampings, except refrigeration and laundry equipment	185	X	X	302 638	190	X	X	274 128
3321161561	Refrigeration metal job stampings (residential, commercial, and industrial)	66	X	X	243 548	75	X	X	261 043
3321161571	Stove, heater, and air-conditioner metal job stampings (residential, commercial, and industrial), except automotive	103	X	X	221 255	102	X	X	189 831
3321161584	Laundry equipment metal job stampings (residential, commercial, and industrial)	37	X	X	102 507	44	X	X	61 484
3321161Y	Job stampings, except automotive, nsk	N	X	X	459 867	N	X	X	N
3321161YV	Job stampings, except automotive, nsk	N	X	X	459 867	N	X	X	308 713
3321163	Metal spinning products, excluding cooking and kitchen utensils	N	X	X	167 019	N	X	X	109 478
33211631	Metal spinning products, excluding cooking and kitchen utensils	N	X	X	167 019	N	X	X	N
3321163100	Metal spinning products, excluding cooking and kitchen utensils	69	X	X	167 019	71	X	X	109 478
3321165	Other stamped and pressed metal end products, including vitreous enameled products	N	X	X	2 911 250	N	X	X	1 856 636
33211651	Stamped and pressed vitreous (porcelain) enameled metal architectural parts (exterior and interior), including store front and curtain wall components	N	X	X	30 883	N	X	X	N
3321165101	Stamped and pressed vitreous (porcelain) enameled metal architectural parts (exterior and interior), including store front and curtain wall components	18	X	X	30 883	11	X	X	24 315
33211652	Stamped and pressed metal end products, excluding spinning products and metal electric enclosures	N	X	X	2 062 904	N	X	X	N
3321165211	Other stamped and pressed vitreous (porcelain) enameled products (including refrigerator and laundry equipment parts and commercial and hospital utensils), except cooking and kitchen utensils	11	X	X	48 749	15	X	X	46 084
3321165221	Stamped and pressed metal chemical milling products, milled contoured metal, and clad and bonded metal products	11	X	X	68 273	14	X	X	20 168
3321165231	Perforated metal end products	37	X	X	206 612	37	X	X	201 844
3321165241	Stamped and pressed galvanized steel pails, ash cans, garbage cans, tubs, etc., excluding shipping containers	11	X	X	21 833	14	X	X	41 329
3321165251	Other stamped and pressed metal pails, ash cans, garbage cans, tubs, etc., excluding shipping containers (including other grades of steel)	15	X	X	57 148	16	X	X	46 980
3321165271	Stamped and pressed metal mailboxes (commercial and multiple unit residential)	19	X	X	85 333	14	X	X	61 803
3321165281	Stamped and pressed metal toolboxes	36	X	X	451 002	34	X	X	337 551
3321165291	Other stamped and pressed metal end products, excluding spinning products	253	X	X	1 123 954	219	X	X	646 695
33211653	Metal electronic enclosures (stamped and-or pressed), excluding computer stampings	N	X	X	807 438	N	X	X	N
3321165361	Metal electronic enclosures (stamped and-or pressed), excluding computer stampings	127	X	X	807 438	125	X	X	381 399
3321165Y	Other stamped and pressed metal end products, including vitreous enameled products, nsk	N	X	X	10 025	N	X	X	N
3321165YV	Other stamped and pressed metal end products, including vitreous enameled products, nsk	N	X	X	10 025	N	X	X	48 468

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
332116	Metal stampings, nec—Con.								
332116W	Metal stampings, nec, nsk, total	N	X	X	610 043	N	X	X	N
332116WY	Metal stampings, nec, nsk, total	N	X	X	610 043	N	X	X	N
332116WYWW	Metal stampings, nec, nsk, for nonadministrative-record establishments	N	X	X	433 092	N	X	X	N
332116WYWY	Metal stampings, nec, nsk, for administrative-record establishments	N	X	X	176 951	N	X	X	N
332117	Powder metallurgy parts	N	X	X	1 316 959	N	X	X	N
3321170	Powder metallurgy parts, excluding bearings, gears, and machine cutting tools and all cemented carbide parts	N	X	X	1 316 959	N	X	X	N
33211701	Copper and copper-base alloy powder metallurgy parts, excluding bearings, gears, and machine cutting tools and all cemented carbide parts	N	X	X	75 139	N	X	X	N
3321170106	Copper and copper-base alloy powder metallurgy parts, excluding bearings, gears, and machine cutting tools and all cemented carbide parts	28	X	S	75 139	33	X	S	59 839
33211702	Iron and steel powder metallurgy parts, excluding bearings, gears, and machine cutting tools and all cemented carbide parts	N	X	X	692 773	N	X	X	N
3321170211	Iron and steel powder metallurgy parts, excluding bearings, gears, and machine cutting tools and all cemented carbide parts	60	X	S	692 773	77	X	S	465 322
33211703	Tungsten metal and tungsten-base alloy powder metallurgy parts, excluding bearings, gears, and machine cutting tools and all cemented carbide parts	N	X	X	140 553	N	X	X	N
3321170321	Tungsten metal and tungsten-base alloy powder metallurgy parts, excluding bearings, gears, and machine cutting tools and all cemented carbide parts	14	X	P8.0	140 553	23	X	95.7	128 899
33211704	Powder metallurgy materials, excluding bearings, gears, and machine cutting tools and all cemented carbide parts	N	X	X	303 221	N	X	X	N
3321170401	Aluminum and aluminum-base alloy powder metallurgy parts, excluding bearings, gears, and machine cutting tools and all cemented carbide parts	12	X	S	42 821	12	X	S	30 136
3321170416	Nickel-cobalt-base super alloy powder metallurgy parts, excluding bearings, gears, and machine cutting tools and all cemented carbide parts	13	X	S	37 691	11	X	S	24 227
3321170426	Other powder metallurgy materials, excluding bearings, gears, and machine cutting tools and all cemented carbide parts	26	X	S	222 709	25	X	S	106 353
3321170Y	Powder metallurgy parts, nsk, total	N	X	X	105 273	N	X	X	N
3321170YWW	Powder metallurgy parts, nsk, for nonadministrative-record establishments	N	X	X	102 455	N	X	X	N
3321170YWY	Powder metallurgy parts, nsk, for administrative-record establishments	N	X	X	2 818	N	X	X	N
332211	Cutlery and flatware (except precious)	N	X	X	2 098 679	N	X	X	N
3322111	Cutlery, scissors, shears, trimmers, and snips	N	X	X	870 855	N	X	X	N
33221111	Table cutlery (knives, forks, spoons, etc.) for food serving and eating, with handles of materials other than metal	N	X	X	43 809	N	X	X	N
3322111101	Table cutlery (knives, forks, spoons, etc.) for food serving and eating, with handles of materials other than metal	10	X	X	36 332	5	X	X	30 757
3322111103	Flatware made of base metal clad with nonprecious metal (including partly finished flatware)	1	X	X	D	N	X	X	N
3322111106	Base metal hollowware clad with nonprecious metal	8	X	X	D	N	X	X	N
33221112	Cutlery	N	X	X	155 922	N	X	X	N
3322111211	Kitchen cutlery (including knives, forks, cleavers, butchers, and meat packing cutlery), excluding carving sets	8	X	X	80 756	11	X	X	76 393
3322111222	Other cutlery (including knife blades sold separately)	14	X	X	75 166	12	X	X	28 726

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332211	Cutlery and flatware (except precious)—Con.								
3322111	Cutlery, scissors, shears, trimmers, and snips—Con.								
33221113	Scissors and shears	N	X	X	439 826	N	X	X	N
3322111326	Household scissors and barber shears, pinking shears, and tailoring shears	8	X	X	154 726	11	X	X	78 063
3322111331	Manicure and pedicure scissors and implements (including tweezers)	5	X	X	111 805	5	X	X	91 415
3322111336	Metal cutting shears (including aviation and tinnerns' snips, BX and wire filament cutters)	14	X	X	61 999	12	X	X	27 383
3322111344	All other scissors and shears (including hedge and grass shears and pruners)	17	X	X	111 296	16	X	X	108 417
33221114	Other knives (including pocket, pen, and replacement blade knives)	N	X	X	230 485	N	X	X	N
3322111455	Other knives (including pocket, pen, and replacement blade knives)	24	X	X	230 485	31	X	X	187 960
3322111Y	Cutlery, scissors, shears, trimmers, and snips, nsk	N	X	X	813	N	X	X	N
3322111YWV	Cutlery, scissors, shears, trimmers, and snips, nsk	N	X	X	813	N	X	X	N
3322113	Razor blades and razors, except electric	N	X	X	1 158 733	N	X	X	803 883
33221131	Razor blades and razors, except electric	N	X	X	1 158 733	N	X	X	N
3322113101	Razors, except electric	4	X	X	D	3	X	X	D
3322113106	Razor blades, single and double edge for shaving	4	X	X	D	3	X	X	D
3322113111	Razor blades for all other uses	13	X	X	D	9	X	X	28 829
3322113Y	Razor blades and razors, except electric, nsk	N	X	X	—	N	X	X	N
3322113YWV	Razor blades and razors, except electric, nsk	N	X	X	—	N	X	X	53
332211W	Cutlery, nsk, total	N	X	X	69 091	N	X	X	N
332211WY	Cutlery, nsk, total	N	X	X	69 091	N	X	X	N
332211WYWW	Cutlery, nsk, for nonadministrative-record establishments	N	X	X	9 266	N	X	X	N
332211WYWY	Cutlery, nsk, for administrative-record establishments	N	X	X	59 825	N	X	X	N
332212	Hand and edge tools	N	X	X	5 950 367	N	X	X	N
3322121	Mechanics' hand service tools	N	X	X	2 154 391	N	X	X	N
33221211	Mechanics' slip joint pliers	N	X	X	109 092	N	X	X	N
3322121101	Mechanics' slip joint pliers	8	X	X	14.8 109 092	14	X	8.5	50 340
33221212	Mechanics' solid joint pliers	N	X	X	261 470	N	X	X	N
3322121206	Mechanics' solid joint pliers	16	X	X	16.4 261 470	17	X	15.3	86 939
33221213	Other mechanics' hand service tools	N	X	X	1 080 821	N	X	X	N
3322121311	Mechanics' ball peen hammers	9	X	X	16 555	7	X	4.5	10 323
3322121351	Mechanics' screwdrivers	33	X	X	204 491	26	X	X	147 516
3322121356	Automobile jacks, mechanical (excluding hydraulic and pneumatic)	8	X	X	D	9	X	X	86 580
3322121361	Mechanics' tools for automotive use (excluding jacks, but including wheel or gear pullers, valve tools, body or fender tools, etc.)	33	X	X	239 018	29	X	X	102 530
3322121365	Tape measures	5	X	X	D	N	X	X	N
3322121399	Other mechanics' hand service tools (including blow torches)	61	X	X	483 919	78	X	X	490 467
33221214	Mechanics' wrenches	N	X	X	699 954	N	X	X	N
3322121416	Mechanics' socket wrenches, including sockets, drives (ratchet and other), extensions, etc., for hand-operated socket wrenches	21	X	X	337 602	24	X	X	357 165
3322121421	Mechanics' open-end and box wrenches	16	X	X	48 511	15	X	X	44 556
3322121426	Mechanics' torque wrenches	11	X	X	51 392	9	X	X	31 324
3322121431	Mechanics' adjustable wrenches, including pipe wrenches	13	X	X	9.2 122 390	11	X	7.1	73 788
3322121436	Mechanics' combination open-end and box wrenches	11	X	X	99 442	10	X	X	73 913
3322121444	All other mechanics' wrenches	16	X	X	40 617	21	X	X	55 452
3322121Y	Mechanics' hand service tools, nsk	N	X	X	3 054	N	X	X	N
3322121YWV	Mechanics' hand service tools, nsk	N	X	X	3 054	N	X	X	N

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332212	Hand and edge tools—Con.								
3322123	Edge tools, hand-operated	N	X	X	591 243	N	X	X	N
33221231	Other hand-operated edge tools (including agricultural and forestry edge handtools)	N	X	X	D	N	X	X	N
3322123101	Axes, adzes, hatchets, and chisels (hand-operated)	26	X	X	58 990	23	X	X	47 695
3322123106	Professional and craft edge handtools (palette knives, paperhanger knives, putty knives, scrapers, trimmers, etc.)	44	X	X	366 668	35	X	X	197 664
3322123111	Kitchen hand-operated edge tools (including nonelectric can openers, peelers, slicers, dicers, etc.)	6	X	X	D	6	X	X	6 932
3322123121	Other hand-operated edge tools (including agricultural and forestry edge handtools)	26	X	X	64 229	22	X	X	50 811
33221232	Hand clippers for animals	N	X	X	D	N	X	X	N
3322123216	Hand clippers for animals	2	X	X	D	N	X	X	N
3322123Y	Edge tools, hand-operated, nsk	N	X	X	288	N	X	X	N
3322123YVV	Edge tools, hand-operated, nsk	N	X	X	288	N	X	X	N
3322125	Dies and interchangeable cutting tools, for machines and power-driven handtools	N	X	X	833 765	N	X	X	595 439
33221251	Steel rule dies (except metal cutting), for machines and power-driven handtools	N	X	X	271 461	N	X	X	N
3322125101	Steel rule dies (except metal cutting), for machines and power-driven handtools	110	X	X	271 461	105	X	X	172 227
33221252	Other cutting dies, for use in cutting cloth, paper, leathers, etc. (excluding dies for cutting metal), for machines & power-driven handtools	N	X	X	239 857	N	X	X	N
3322125206	Other cutting dies, for use in cutting cloth, paper, leathers, etc. (excluding dies for cutting metal), for machines & power-driven handtools	79	X	X	239 857	75	X	X	190 099
33221253	All other woodcutting machine tools	N	X	X	308 001	N	X	X	N
3322125311	Veneer knives and chipper knives (except metal cutting), for machines and power-driven handtools	13	X	X	43 553	6	X	X	15 715
3322125316	All other machines knives	35	X	X	76 871	37	X	X	96 104
3322125321	Countersink, drill, and router bits for woodcutting	22	X	X	132 855	22	X	X	82 205
3322125333	All other woodcutting machine tools (including milling cutters)	20	X	X	54 722	24	X	X	37 990
3322125Y	Dies and interchangeable cutting tools, for machines and power-driven handtools, nsk	N	X	X	14 446	N	X	X	N
3322125YVV	Dies and interchangeable cutting tools, for machines and power-driven handtools, nsk	N	X	X	14 446	N	X	X	1 099
3322127	Other handtools, nec.	N	X	X	1 344 119	N	X	X	N
33221271	Other handtools (including woodworking and metal working files and rasps, including precision files, except edge tools)	N	X	X	D	N	X	X	N
3322127101	Shovels, spades, scoops, telegraph spoons, and scrapers	17	X	S	148 305	17	X	10.7	92 455
3322127111	Light forged hammers, less than 4 lb (excluding ball peen hammers)	16	X	P8.1	91 081	21	X	P10.0	73 947
3322127116	Heavy forged handtools, sledges (4 lb or more), picks, pick mattocks, and mauls	14	X	X	43 577	13	X	X	20 377
3322127121	Steel handtool goods (forks, hoes, rakes, weeders, etc.)	13	X	S	119 750	16	X	P17.9	103 691
3322127131	Soldering irons (electric)	10	X	S	29 297	7	X	S	36 637
3322127136	Clamps and vises (excluding machine tool accessories)	13	X	X	76 080	9	X	X	55 565
3322127141	Wheelbarrows	3	X	X	D	N	X	X	N
3322127199	Other handtools (including woodworking and metalworking files and rasps, including precision files, except edge tools)	145	X	X	803 251	115	X	X	529 305
33221272	Nonpowered lawnmowers	N	X	X	D	N	X	X	N
3322127226	Nonpowered lawnmowers	2	X	X	D	N	X	X	N
3322127Y	Other handtools, nec, nsk	N	X	X	2 193	N	X	X	N
3322127YVV	Other handtools, nec, nsk	N	X	X	2 193	N	X	X	N

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332212	Hand and edge tools—Con.								
3322129	Precision measuring tools (inspection, quality control, tool room, and machinists')	N	X	X	701 831	N	X	X	N
33221291	Precision measuring tools (inspection, quality control, tool room, and machinists')	N	X	X	417 545	N	X	X	N
3322129101	Comparators (excluding optical) (inspection, quality control, tool room, and machinists' precision measuring tools)	8	X	X	8 438	9	X	X	4 932
3322129106	Fixture type, fixed size precision measuring limit gauges (American Gauge Design Type C58-61) (inspection, quality control, tool room, and machinists')	34	X	X	38 125	34	X	X	42 889
3322129111	Thread type, fixed size precision measuring limit gauges (American Gauge Design Type C58-61) (inspection, quality control, tool room, and machinists')	22	X	X	35 472	27	X	X	37 747
3322129116	Adjustable size precision measuring limit gauges	5	X	X	D	15	X	X	21 456
3322129121	Precision measuring gauge blocks	8	X	X	21 568	8	X	X	5 803
3322129126	Precision measuring dial indicators	16	X	X	33 430	7	X	X	23 583
3322129131	Precision measuring micrometers and calipers	8	X	X	27 724	7	X	X	34 858
3322129146	Other machinists' precision measuring tools (including dividers, gear checking and surface texture measuring machines)	32	X	X	102 755	31	X	X	72 331
3322129161	Industrial quality control laser systems and equipment	5	X	X	D	N	X	X	N
33221292	Pneumatic and electronic precision measuring gauges (manual and automatic)	N	X	X	76 933	N	X	X	N
3322129236	Pneumatic and electronic precision measuring gauges (manual and automatic)	21	X	X	76 933	16	X	X	62 026
33221293	Coordinate and contour precision measuring machines (inspection and gauging)	N	X	X	162 179	N	X	X	N
3322129341	Coordinate and contour precision measuring machines (inspection and gauging)	20	X	X	162 179	13	X	X	75 236
33221294	Parts and accessories for machinists' precision measuring tools (sold separately)	N	X	X	34 808	N	X	X	N
3322129451	Parts and accessories for machinists' precision measuring tools (sold separately)	19	X	X	34 808	14	X	X	18 125
3322129Y	Precision measuring tools (inspection, quality control, tool room, and machinists'), nsk	N	X	X	10 366	N	X	X	N
3322129YVW	Precision measuring tools (inspection, quality control, tool room, and machinists'), nsk	N	X	X	10 366	N	X	X	N
332212W	Hand and edge tool manufacturing, nsk, total	N	X	X	325 018	N	X	X	N
332212WY	Hand and edge tool manufacturing, nsk, total	N	X	X	325 018	N	X	X	N
332212WYWW	Hand and edge tool manufacturing, nsk, for nonadministrative-record establishments	N	X	X	149 794	N	X	X	N
332212WYWY	Hand and edge tool manufacturing, nsk, for administrative-record establishments	N	X	X	175 224	N	X	X	N
332213	Saw blades and handsaws	N	X	X	1 283 032	N	X	X	719 205
3322130	Handsaws, saw blades (hand and power), and saw accessories	N	X	X	1 283 032	N	X	X	719 205
33221301	Woodworking power saw blades and accessories	N	X	X	545 368	N	X	X	N
3322130101	Power circular saw blades for woodworking, solid tooth	20	X	X	86 809	12	X	X	42 621
3322130106	Power circular saw blades for woodworking, inserted tooth	19	X	X	111 096	19	X	X	77 578
3322130111	Power band saw blades for woodworking	19	X	X	66 221	14	X	X	38 291
3322130116	Teeth for inserted power woodworking saws, sold separately	6	X	X	24 474	5	X	X	20 204
3322130122	All other woodworking power saw blades (scroll, jig, etc.)	21	X	X	256 768	17	X	X	105 776

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332213	Saw blades and handsaws—Con.								
3322130	Handsaws, saw blades (hand and power), and saw accessories—Con.								
33221302	Metalworking and other power saw blades and accessories	N	X	X	510 434	N	X	X	N
3322130226	Power circular saw blades for metalworking (including metal teeth and cutting segments sold separately)	24	X	X	49 273	19	X	X	49 873
3322130231	Power hack saw blades for metalworking	4	X	S	2 027	8	X	5.3	6 572
3322130236	Power band saw blades for metalworking (flexible back, spring temper metal cutting, and high-speed metal cutting)	16	X	X	208 421	17	X	X	146 320
3322130244	Other metalworking power saw blades (saber, reciprocating, etc.)	16	X	X	89 772	12	X	X	50 634
3322130255	All other power saw blades	27	X	X	160 941	22	X	X	83 896
33221303	All other hand-operated saws	N	X	X	184 957	N	X	X	N
3322130361	Hand-operated hacksaws	12	X	S	36 431	12	X	P27.3	18 369
3322130365	Hand-operated carpenter crosscut saws and ripsaws	4	X	P4.0	21 269	4	X	P4.0	22 631
3322130377	Other handsaws (heavy handsaws, crosscut, buck, miter, coping, pruning, compass, etc., including frames and blades)	17	X	X	127 257	13	X	X	30 683
3322130Y	Saw blades and handsaws, nsk	N	X	X	42 273	N	X	X	N
3322130YWW	Saw blades and handsaws, nsk, for nonadministrative-record establishments	N	X	X	2 988	N	X	X	9 925
3322130YWY	Saw blades and handsaws, nsk, for administrative-record establishments	N	X	X	39 285	N	X	X	15 833
332214	Kitchen utensils, pots, and pans.....	N	X	X	1 349 496	N	X	X	N
3322141	Stamped and spun utensils, cooking and kitchen, aluminum	N	X	X	783 759	N	X	X	541 323
33221411	Top of range household stamped and spun aluminum utensils (items generally used directly on top of source of heat), including pressure cookers	N	X	X	412 383	N	X	X	N
3322141111	Top of range household stamped and spun aluminum utensils (items generally used directly on top of source of heat), including pressure cookers	16	X	X	412 383	18	X	X	264 259
33221412	Other stamped and spun aluminum cooking and kitchen utensils, including commercial and hospital	N	X	X	371 376	N	X	X	N
3322141221	Bakeware, pantryware, and miscellaneous household stamped and spun aluminum utensils	32	X	X	274 036	21	X	X	189 627
3322141231	Camping and outdoor stamped and spun aluminum cooking equipment	13	X	X	22 534	7	X	X	8 479
3322141241	Other stamped and spun aluminum cooking and kitchen utensils, including commercial and hospital	18	X	X	74 806	17	X	X	66 930
3322141Y	Stamped and spun utensils, cooking and kitchen, aluminum, nsk	N	X	X	—	N	X	X	N
3322141YVV	Stamped and spun utensils, cooking and kitchen, aluminum, nsk	N	X	X	—	N	X	X	12 028
3322143	Stamped and spun utensils, cooking and kitchen, except aluminum	N	X	X	562 185	N	X	X	448 448
33221431	Top of range household stamped and spun stainless steel utensils (items generally used directly on top of source of heat)	N	X	X	306 128	N	X	X	N
3322143101	Top of range household stamped and spun stainless steel utensils (items generally used directly on top of source of heat)	13	X	X	306 128	14	X	X	235 065
33221432	Other stamped and spun cooking and kitchen utensils (including copper and vitreous enamel)	N	X	X	251 184	N	X	X	N
3322143211	Bakeware, pantryware, and miscellaneous household stamped and spun stainless steel utensils	5	X	X	1 364	7	X	X	26 033
3322143221	Other stamped and spun stainless steel cooking and kitchen utensils, including commercial, hospital, and outdoor cooking equipment	31	X	X	101 915	21	X	X	104 416
3322143231	Tinware (including household, commercial, hospital, and outdoor cooking equipment)	8	X	X	108 172	N	X	X	N
3322143241	Other stamped and spun cooking and kitchen utensils (including copper and vitreous enamel)	16	X	X	39 733	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
332214	Kitchen utensils, pots, and pans—Con.								
3322143	Stamped and spun utensils, cooking and kitchen, except aluminum—Con.								
3322143Y	Stamped and spun utensils, cooking and kitchen, except aluminum, nsk	N	X	X	4 873	N	X	X	N
3322143YV	Stamped and spun utensils, cooking and kitchen, except aluminum, nsk	N	X	X	4 873	N	X	X	—
332214W	Metal stampings, nec, nsk, total	N	X	X	3 552	N	X	X	N
332214WY	Metal stampings, nec, nsk, total	N	X	X	3 552	N	X	X	N
332214WYV	Metal stampings, nec, nsk, for nonadministrative-record establishments	N	X	X	S	N	X	X	N
332214WYVY	Metal stampings, nec, nsk, for administrative-record establishments	N	X	X	4 597	N	X	X	N
332311	Prefabricated metal buildings and components	N	X	X	4 263 807	N	X	X	2 578 651
3323111	Prefabricated metal building and component systems, excluding farm service buildings, residential buildings, and parts	N	X	X	2 969 439	N	X	X	1 674 112
33231111	Prefabricated metal building systems, excluding farm service buildings, residential buildings, and parts	N	X	X	650 514	N	X	X	N
3323111106	Institutional, medical, and religious prefabricated metal building systems, excluding farm service buildings, residential buildings, and parts	34	X	X	351 532	29	X	X	79 623
3323111111	Public and educational prefabricated metal building systems, excluding farm service buildings, residential buildings, and parts	40	X	X	298 982	39	X	X	126 546
33231112	Industrial and commercial prefabricated metal building systems, excluding farm service buildings, residential buildings, and parts	N	X	X	2 301 806	N	X	X	N
3323111201	Industrial and commercial prefabricated metal building systems, excluding farm service buildings, residential buildings, and parts	139	X	X	2 301 806	113	X	X	1 369 263
3323111Y	Prefabricated metal building and component systems, excluding farm service buildings, residential buildings, and parts, nsk	N	X	X	17 119	N	X	X	N
3323111YV	Prefabricated metal building and component systems, excluding farm service buildings, residential buildings, and parts, nsk	N	X	X	17 119	N	X	X	98 680
3323113	Other prefabricated and portable metal buildings and parts	N	X	X	1 043 701	N	X	X	685 484
33231131	Prefabricated and portable farm services buildings, greenhouses, and grain storage buildings, steel and aluminum	N	X	X	292 201	N	X	X	N
3323113101	Prefabricated and portable greenhouses, steel and aluminum	26	X	X	126 646	25	X	X	82 631
3323113106	Prefabricated and portable grain storage buildings, including farm and commercial types, steel and aluminum	22	X	X	98 027	14	X	X	23 678
3323113111	Other prefabricated and portable farm service buildings (livestock shelters, machinery storage, etc.), steel and aluminum	29	X	X	67 528	28	X	X	49 218
33231132	Prefabricated and portable aluminum and steel buildings	N	X	X	740 610	N	X	X	N
3323113216	Prefabricated and portable small steel utility buildings, including toolsheds, cabanas, storage houses, etc.	20	X	X	134 169	16	X	X	55 186
3323113221	Other prefabricated and portable steel buildings	47	X	X	196 596	29	X	X	75 196
3323113226	Prefabricated and portable dwellings, steel and aluminum, including vacation homes and camps	7	X	X	11 566	10	X	X	29 827
3323113231	Prefabricated and portable small aluminum utility buildings, including toolsheds, cabanas, storage houses, etc.	14	X	X	92 574	23	X	X	58 728
3323113236	Other prefabricated and portable aluminum buildings	12	X	X	47 648	25	X	X	61 548
3323113241	Panels, parts, or sections for prefabricated buildings, not sold as a complete unit, steel and aluminum	75	X	X	258 057	61	X	X	207 283

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332311	Prefabricated metal buildings and components—Con.								
3323113	Other prefabricated and portable metal buildings and parts—Con.								
3323113Y	Other prefabricated and portable metal buildings and parts, nsk	N	X	X	10 890	N	X	X	N
3323113YVV	Other prefabricated and portable metal buildings and parts, nsk	N	X	X	10 890	N	X	X	42 189
332311W	Prefabricated metal buildings and components, nsk, total	N	X	X	250 667	N	X	X	219 055
332311WY	Prefabricated metal buildings and components, nsk, total	N	X	X	250 667	N	X	X	N
332311WYWW	Prefabricated metal buildings and components, nsk, for nonadministrative-record establishments	N	X	X	133 447	N	X	X	153 527
332311WYWY	Prefabricated metal buildings and components, nsk, for administrative-record establishments	N	X	X	117 220	N	X	X	65 528
332312	Fabricated structural metal	N	X	X	13 969 307	N	X	X	N
3323121	Fabricated structural metal bar joist and concrete reinforcing bars	N	X	X	8 651 407	N	X	X	N
33231211	Fabricated structural iron and steel for industrial buildings, including metal bar joists, short span (open web)	N	X	X	3 043 019	N	X	X	N
3323121101	Fabricated structural iron and steel for industrial buildings, metal bar joists, short span (open web)	814	X	X	3 043 019	N	X	X	N
33231212	Fabricated structural iron and steel for commercial, residential, institutional, and public buildings	N	X	X	5 484 328	N	X	X	N
3323121206	Fabricated structural iron and steel for commercial buildings, including metal bar joists, long span	789	X	X	3 576 352	N	X	X	N
3323121211	Fabricated structural iron and steel for residential buildings, including metal concrete reinforcing bars	205	X	X	911 451	N	X	X	N
3323121216	Fabricated structural iron and steel for institutional, medical, and religious buildings	273	X	X	324 058	240	X	X	293 486
3323121221	Fabricated structural iron and steel for public and educational buildings	318	X	X	495 621	258	X	X	339 666
3323121226	Fabricated structural iron and steel for public utilities	98	X	X	105 664	73	X	X	83 131
3323121231	Fabricated structural aluminum for buildings (all types)	30	X	X	71 182	19	X	X	48 312
3323121Y	Fabricated structural metal bar joists and concrete reinforcing bars, nsk	N	X	X	124 060	N	X	X	N
3323121YVV	Fabricated structural metal bar joists and concrete reinforcing bars, nsk	N	X	X	124 060	N	X	X	N
3323123	Fabricated structural metal for bridges	N	X	X	566 114	N	X	X	512 226
33231231	Fabricated structural metal for bridges	N	X	X	566 114	N	X	X	N
3323123100	Fabricated structural metal for bridges	78	X	X	566 114	99	X	X	512 226
3323125	Other fabricated structural metal	N	X	X	3 248 613	N	X	X	2 027 655
33231251	Other fabricated structural iron and steel, metal and aluminum	N	X	X	2 748 025	N	X	X	N
3323125106	Fabricated structural iron and steel for transmission towers, substations, radio antenna towers, and supporting structures	66	X	X	447 973	51	X	X	221 276
3323125111	Fabricated structural iron and steel for offshore oil and gas platforms	35	X	X	626 639	15	X	X	295 937
3323125116	Fabricated structural iron and steel for tunneling and subway work	13	X	X	31 537	7	X	X	32 695
3323125121	Fabricated structural iron and steel for aerospace and defense	41	X	X	155 560	53	X	X	170 879
3323125126	Other fabricated structural iron and steel	387	X	X	1 342 015	273	X	X	560 851
3323125131	Fabricated structural aluminum for ships, boats, barges, transmission towers, and other structures	31	X	X	75 521	28	X	X	52 239
3323125136	Fabricated structural metal other than iron, steel, or aluminum	29	X	X	68 780	16	X	X	12 354
33231252	Fabricated structural iron and steel for ships, boats, and barges	N	X	X	440 045	N	X	X	N
3323125201	Fabricated structural iron and steel for ships, boats, and barges	41	X	X	440 045	45	X	X	534 795
3323125Y	Other fabricated structural metal, nsk	N	X	X	60 543	N	X	X	N
3323125YVV	Other fabricated structural metal, nsk	N	X	X	60 543	N	X	X	146 629

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
332312	Fabricated structural metal— Con.								
332312W	Fabricated structural metal, nsk, total	N	X	X	1 503 173	N	X	X	N
332312WY	Fabricated structural metal, nsk, total	N	X	X	1 503 173	N	X	X	N
332312WYWW	Fabricated structural metal, nsk, for nonadministrative-records establishments	N	X	X	1 047 107	N	X	X	N
332312WYWY	Fabricated structural metal, nsk, for administrative-records establishment	N	X	X	456 066	N	X	X	N
332313	Fabricated steel plate work	N	X	X	2 894 827	N	X	X	N
3323130	Fabricated steel plate (stacks and weldments)	N	X	X	2 894 827	N	X	X	N
33231301	Fabricated steel plate containers	N	X	X	287 668	N	X	X	N
3323130111	Fabricated steel plate containers (trash and other), less than 13 gal	4	X	X	2 429	2	X	X	N
3323130116	Fabricated steel plate containers (trash and other), 13 gal to 79 gal	13	X	X	48 985	8	X	X	N
3323130121	Fabricated steel plate containers (trash and other), more than 79 gal	68	X	X	236 254	44	X	X	93 601
33231302	Fabricated steel plate sound control equipment	N	X	X	220 147	N	X	X	N
3323130226	Fabricated steel plate sound control equipment for jet engine test facilities (including hush houses, demountable run-up silencers, demountable test cells, etc.)	4	X	X	D	9	X	X	43 741
3323130231	Fabricated steel plate sound control equipment for gas turbine sound systems (enclosed) (including natural gas compression, electric generation, marine propulsion, etc.)	6	X	X	D	7	X	X	78 538
3323130236	Other fabricated steel plate sound control equipment (including sound panels, one piece enclosures, industrial silencers, and air duct silencers)	30	X	X	134 435	25	X	X	35 379
33231303	Weldments and fabricated steel plate for other purposes	N	X	X	1 951 533	N	X	X	N
3323130301	Fabricated steel plate shielding for use in nuclear reactor buildings	11	X	X	27 155	13	X	X	17 414
3323130346	Weldments and fabricated steel plate for other purposes	987	X	X	1 924 378	N	X	X	N
33231304	Fabricated steel plate pipe, penstocks, tunnel lining, stacks, and breeching	N	X	X	121 362	N	X	X	N
3323130406	Fabricated steel plate pipe, penstocks, tunnel lining, stacks, and breeching	43	X	X	121 362	59	X	X	114 603
3323130Y	Fabricated steel plate (stacks and weldments), nsk, total	N	X	X	314 117	N	X	X	N
3323130YWW	Fabricated steel plate (stacks and weldments), nsk, for nonadministrative-record establishments	N	X	X	149 286	N	X	X	N
3323130YWY	Fabricated plate work (stacks and weldments), nsk, for administrative-record establishments	N	X	X	164 831	N	X	X	N
332321	Metal windows and doors	N	X	X	8 994 752	N	X	X	N
3323211	Metal doors (except storm doors)	N	X	X	4 700 215	N	X	X	3 070 402
33232111	Residential aluminum doors (including garage and closet doors, excluding shower doors, tub enclosures, and storm doors)	N	X	X	551 640	N	X	X	N
3323211110	Swinging residential aluminum doors (excluding shower doors, tub enclosures, and storm doors)	21	X	X	148 191	33	X	X	101 130
3323211113	Sliding residential aluminum doors (glass, patio-type) (excluding shower doors, tub enclosures, and storm doors)	65	X	X	221 328	78	X	X	192 981
3323211116	All other residential aluminum doors (including garage and closet doors, excluding shower doors, tub enclosures, and storm doors)	15	X	X	61 127	22	X	X	64 803
3323211119	Overhead and sliding commercial and institutional aluminum doors (excluding shower doors, tub enclosures, and storm doors)	18	X	X	120 994	20	X	X	61 683

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
332321	Metal windows and doors—Con.								
3323211	Metal doors (except storm doors)—Con.								
33232112	Commercial, institutional, and industrial aluminum doors (excluding shower doors, tub enclosures, and storm doors)	N	X	X	527 540	N	X	X	N
3323211201	Overhead industrial aluminum doors	10	X	X	63 361	15	X	X	32 291
3323211204	Sliding industrial aluminum doors	4	X	X	D	6	X	X	34 473
3323211207	All other industrial aluminum doors	13	X	X	D	13	X	X	23 965
3323211222	Swinging commercial and institutional aluminum doors (excluding shower doors, tub enclosures, and storm doors)	23	X	X	152 040	23	X	X	63 421
3323211225	All other commercial and institutional aluminum doors (excluding shower doors, tub enclosures, and storm doors)	24	X	X	205 962	29	X	X	52 318
33232113	Industrial iron and steel doors	N	X	X	566 857	N	X	X	N
3323211328	Overhead industrial iron and steel doors	40	X	X	318 882	41	X	X	223 876
3323211331	Swing industrial iron and steel doors	24	X	X	118 026	25	X	X	70 623
3323211334	All other industrial iron and steel doors (including sliding)	28	X	X	129 949	29	X	X	76 488
33232114	Residential iron and steel doors (except garage doors, excluding shower doors, tub enclosures, and storm doors)	N	X	X	924 207	N	X	X	N
3323211440	Residential steel composite doors (steel clad with foam wood components) (excluding shower doors, tub enclosures, and storm doors)	18	X	X	219 783	8	X	X	D
3323211443	Residential insulated steel entrance doors (except storm doors)	34	X	X	491 119	27	X	X	429 507
3323211446	All other residential iron and steel doors (including slide, swing, and closet doors, excluding shower doors, tub enclosures, and storm doors)	24	X	X	213 305	28	X	X	D
33232115	Commercial and institutional iron and steel doors (excluding shower doors, tub enclosures, and storm doors)	N	X	X	718 751	N	X	X	N
3323211549	Overhead and sliding commercial and institutional iron and steel doors (excluding shower doors, tub enclosures, and storm doors)	43	X	X	240 452	21	X	X	75 742
3323211552	Swing commercial and institutional iron and steel doors (excluding shower doors, tub enclosures, and storm doors)	48	X	X	332 399	58	X	X	268 805
3323211555	All other commercial and institutional iron and steel doors (excluding shower doors, tub enclosures, and storm doors)	32	X	X	145 900	30	X	X	61 137
33232116	Door frames (including trim sold as an integral part of the door frame, except storm door frames)	N	X	X	304 595	N	X	X	N
3323211661	Aluminum door frames (including trim sold as an integral part of the door frame, except storm door frames)	22	X	X	115 333	28	X	X	81 827
3323211664	Steel door frames, 16 gauge and heavier (including trim sold as an integral part of the door frame, except storm door frames)	41	X	X	105 501	58	X	X	151 828
3323211667	Steel door frames, lighter than 16 gauge (including trim sold as an integral part of the door frame, except storm door frames)	23	X	X	83 761	20	X	X	39 153
33232117	Shower doors and tub enclosures (all metals) and other metal doors not made of aluminum or steel	N	X	X	287 982	N	X	X	N
3323211758	Metal doors other than steel or aluminum (excluding shower doors, tub enclosures, and storm doors)	6	X	X	18 981	6	X	X	7 930
3323211770	Shower doors and tub enclosures (all metal)	42	X	X	269 001	29	X	X	179 240
33232118	Residential iron and steel garage doors	N	X	X	782 511	N	X	X	N
3323211837	Residential iron and steel garage doors	39	X	X	782 511	53	X	X	603 600
3323211Y	Metal doors (except storm doors), nsk	N	X	X	36 132	N	X	X	N
3323211YWV	Metal doors (except storm doors), nsk	N	X	X	36 132	N	X	X	28 170

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
332321	Metal windows and doors— Con.								
3323213	Metal windows (except storm sash)	N	X	X	1 919 103	N	X	X	1 547 891
33232131	All other residential aluminum window sash and frames, including jalousie, excluding storm sash	N	X	X	353 227	N	X	X	N
3323213101	Residential steel window sash and frames (except storm sash)	18	X	X	75 709	13	X	X	41 219
3323213111	Residential aluminum awning window sash and frames (except storm sash)	23	X	X	51 155	22	X	X	46 778
3323213116	Residential aluminum horizontal sliding window sash and frames (except storm sash)	60	X	X	129 511	88	X	X	236 059
3323213121	All other residential aluminum window sash and frames (including jalousie, excluding storm sash)	40	X	X	96 852	66	X	X	143 787
33232132	Other metal window sash and frames (except storm sash)	N	X	X	812 377	N	X	X	N
3323213226	Other steel window sash and frames (including commercial, industrial, etc.) (except storm sash)	27	X	X	99 391	26	X	X	48 367
3323213231	Other aluminum single and double hung sash and frames (including commercial, industrial, etc.) (except storm sash)	53	X	X	428 301	45	X	X	110 527
3323213236	Other aluminum awning window sash and frames (including commercial, industrial, etc.) (except storm sash)	14	X	X	30 066	12	X	X	34 701
3323213241	Other aluminum projected window sash and frames (including commercial, industrial, etc.) (except storm sash)	24	X	X	94 803	28	X	X	63 101
3323213246	Other aluminum window sash and frames (including commercial, industrial, etc.) (except storm sash)	41	X	X	106 229	52	X	X	157 323
3323213251	Metal window, other than steel or aluminum (except storm sash)	16	X	X	53 587	8	X	X	37 915
33232133	Residential aluminum single and double hung window sash and frames (except storm sash)	N	X	X	753 499	N	X	X	N
3323213306	Residential aluminum single and double hung window sash and frames (except storm sash)	106	X	X	753 499	142	X	X	620 156
3323213Y	Metal windows (except storm sash), nsk	N	X	X	—	N	X	X	N
3323213YVV	Metal windows (except storm sash), nsk	N	X	X	—	N	X	X	7 958
3323215	Metal molding and trim and store fronts	N	X	X	876 573	N	X	X	N
33232151	Metal molding and trim and store fronts	N	X	X	876 573	N	X	X	N
3323215101	Steel molding and trim	29	X	X	133 514	N	X	X	N
3323215106	Finished metal moldings for mirrors and pictures and aluminum molding and trim	73	X	X	569 604	N	X	X	N
3323215111	Metal store fronts, sold complete at factory	19	X	X	173 455	N	X	X	N
3323215Y	Metal molding and trim and store fronts, nsk	N	X	X	—	N	X	X	N
3323215YVV	Metal molding and trim and store fronts, nsk	N	X	X	—	N	X	X	N
3323217	Metal combination screen, storm sash, and storm doors	N	X	X	485 069	N	X	X	396 912
33232171	Metal combination screen, storm sash, and storm doors	N	X	X	485 069	N	X	X	N
3323217101	Metal storm sash (except combination)	13	X	X	16 949	18	X	X	16 284
3323217106	Metal combination screen and storm sash	54	X	X	132 288	69	X	X	117 673
3323217111	Metal storm doors	59	X	X	335 832	87	X	X	259 370
3323217Y	Metal combination screen, storm sash, and storm doors, nsk	N	X	X	—	N	X	X	N
3323217YVV	Metal combination screen, storm sash, and storm doors, nsk	N	X	X	—	N	X	X	3 585
3323219	Metal window and door screens (except combination) and metal weather strip	N	X	X	295 818	N	X	X	255 597
33232191	Metal window and door screens (except combination) and metal weather strip	N	X	X	295 818	N	X	X	N
3323219101	Metal door screens	28	X	X	71 554	29	X	X	64 904
3323219106	Metal window screens, with metal frames (including tension and roll types)	53	X	X	147 150	60	X	X	125 840
3323219111	Metal weather strip	15	X	X	77 114	20	X	X	62 990

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
332321	Metal windows and doors—Con.								
3323219	Metal window and door screens (except combination) and metal weather strip—Con.								
3323219Y	Metal window and door screens (except combination) and metal weather strip, nsk	N	X	X	—	N	X	X	N
3323219YVV	Metal window and door screens (except combination) and metal weather strip, nsk	N	X	X	—	N	X	X	1 863
332321W	Metal windows and doors, nsk, total	N	X	X	717 974	N	X	X	N
332321WY	Metal windows and doors, nsk, total	N	X	X	717 974	N	X	X	N
332321WYWW	Metal window and doors, nsk, for nonadministrative-record establishments	N	X	X	470 580	N	X	X	N
332321WYWY	Metal windows and doors, nsk, for administrative-record establishments	N	X	X	247 394	N	X	X	N
332322	Sheet metal work	N	X	X	15 129 494	N	X	X	N
3323221	Sheet metal air-conditioning ducts and stove pipe	N	X	X	1 403 145	N	X	X	1 030 509
33232211	Sheet metal air-conditioning ducts, (including dust collection ducts)	N	X	X	1 040 905	N	X	X	N
3323221101	Sheet metal work (including dust collection ducts)	312	X	X	970 356	316	X	X	607 059
3323221106	Aluminum sheet metal work (including dust collection ducts)	56	X	X	70 549	56	X	X	62 112
33232212	Sheet metal stove pipe, furnace smoke pipe, and elbows	N	X	X	323 940	N	X	X	N
3323221211	Steel sheet metal stove pipe, furnace smoke pipe, and elbows	85	X	X	264 743	84	X	X	274 756
3323221216	Aluminum sheet metal stove pipe, furnace smoke pipe, and elbows	17	X	X	59 197	18	X	X	56 415
3323221Y	Sheet metal air-conditioning ducts and stove pipe, nsk	N	X	X	38 300	N	X	X	N
3323221YVV	Sheet metal air-conditioning ducts and stove pipe, nsk	N	X	X	38 300	N	X	X	30 167
3323223	Sheet metal culverts, flumes, irrigation pipes, etc.	N	X	X	424 827	N	X	X	331 271
33232231	Sheet metal culverts, flumes, irrigation pipes, etc.	N	X	X	424 827	N	X	X	N
3323223101	Steel sheet metal work, etc.	45	X	X	364 935	48	X	X	270 471
3323223106	Aluminum sheet metal work, etc.	14	X	X	45 784	17	X	X	44 949
3323223111	Other sheet metal work, etc.	7	X	X	14 108	8	X	X	6 980
3323223Y	Sheet metal culverts, flumes, irrigation pipes, etc., nsk	N	X	X	—	N	X	X	N
3323223YVV	Sheet metal culverts, flumes, irrigation pipes, etc., nsk	N	X	X	—	N	X	X	8 871
3323227	Sheet metal roofing and roof drainage equipment	N	X	X	1 390 714	N	X	X	1 150 171
33232271	Sheet metal roofing, all types	N	X	X	918 943	N	X	X	N
3323227101	Sheet metal roofing, all types	149	X	X	918 943	113	X	X	671 512
33232272	Sheet metal roof drainage equipment (including eave troughs, etc.)	N	X	X	435 150	N	X	X	N
3323227206	Aluminum and other sheet metal roofing, all types	45	X	X	121 976	37	X	X	110 149
3323227211	Steel sheet metal roof drainage equipment (including eave troughs, etc.)	55	X	X	116 637	50	X	X	115 203
3323227216	Aluminum sheet metal roof drainage equipment (including eave troughs, etc.)	42	X	X	170 983	43	X	X	184 318
3323227221	All other sheet metal roof drainage equipment (including eave troughs, etc.)	17	X	X	25 554	15	X	X	29 238
3323227Y	Sheet metal roofing and roof drainage equipment, nsk	N	X	X	36 621	N	X	X	N
3323227YVV	Sheet metal roofing and roof drainage equipment, nsk	N	X	X	36 621	N	X	X	39 751
3323229	Sheet metal flooring and siding	N	X	X	948 830	N	X	X	834 126
33232291	Steel sheet metal siding	N	X	X	800 301	N	X	X	N
3323229106	Residential aluminum sheet metal work manufacturing (including mobile homes)	56	X	X	420 660	45	X	X	286 304
3323229111	Other aluminum sheet metal work manufacturing (commercial, industrial, farm buildings, etc.)	19	X	X	271 151	19	X	X	264 921
3323229116	Other sheet metal work manufacturing	14	X	X	87 521	20	X	X	67 240
3323229121	Other sheet metal work manufacturing	13	X	X	20 969	4	X	X	4 090
33232292	Fabricated sheet metal flooring	N	X	X	148 529	N	X	X	N
3323229201	Fabricated sheet metal flooring	30	X	X	148 529	30	X	X	180 073

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NAICS product code	Product	1997				1992			
		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
332322	Sheet metal work—Con.								
3323229	Sheet metal flooring and siding—Con.								
3323229Y	Sheet metal flooring and siding, nsk	N	X	X	—	N	X	X	N
3323229YVV	Sheet metal flooring and siding, nsk	N	X	X	—	N	X	X	31 498
332322A	Sheet metal awnings, canopies, cornices, and soffits	N	X	X	722 495	N	X	X	488 745
332322A1	Sheet metal awnings, canopies, carports, soffit, shutters, steel and aluminum	N	X	X	706 142	N	X	X	N
332322A101	Steel sheet metal awnings, canopies, carports, and patios	41	X	X	136 662	34	X	X	122 687
332322A106	Aluminum sheet metal awnings, canopies, carports, and patios	59	X	X	148 869	67	X	X	80 913
332322A111	Sheet metal cornices, skylights, domes, and copings (steel and aluminum)	53	X	X	259 260	37	X	X	95 492
332322A116	Sheet metal soffits, fascia, and shutters (steel and aluminum)	55	X	X	161 351	49	X	X	182 955
332322AY	Sheet metal awnings, canopies, cornices, and soffits, nsk	N	X	X	16 353	N	X	X	N
332322AYVV	Sheet metal awnings, canopies, cornices, and soffits, nsk	N	X	X	16 353	N	X	X	6 698
332322C	Sheet metal electronic enclosures	N	X	X	3 348 016	N	X	X	1 708 555
332322C1	Steel sheet metal computer and peripheral equipment enclosures	N	X	X	1 529 077	N	X	X	N
332322C101	Steel sheet metal computer and peripheral equipment enclosures	409	X	X	1 529 077	338	X	X	670 058
332322C2	Aluminum sheet metal computer and peripheral equipment enclosures	N	X	X	547 623	N	X	X	N
332322C206	Aluminum sheet metal computer and peripheral equipment enclosures	292	X	X	547 623	268	X	X	344 410
332322C3	Other sheet metal electronic enclosures (excluding computers), including machine and motor housings, panels, and guards, steel and aluminum	N	X	X	1 194 229	N	X	X	N
332322C311	Other sheet metal electronic enclosures (excluding computers), including machine and motor housings, panels, and guards, steel and aluminum	447	X	X	1 194 229	420	X	X	646 887
332322CY	Sheet metal electronic enclosures, nsk	N	X	X	77 087	N	X	X	N
332322CYVV	Sheet metal electronic enclosures, nsk	N	X	X	77 087	N	X	X	47 200
332322E	Other sheet metal work	N	X	X	4 778 535	N	X	X	2 825 779
332322E1	Sheet metal roof ventilators, louvers and dampers for heating, ventilation and air-conditioning, steel and aluminum	N	X	X	613 153	N	X	X	N
332322E101	Sheet metal roof ventilators	88	X	X	306 080	76	X	X	157 855
332322E106	Sheet metal work for heating, ventilation, and air-conditioning (steel and aluminum)	119	X	X	307 073	104	X	X	231 379
332322E2	Steel restaurant and hotel kitchen sheet metal equipment	N	X	X	302 597	N	X	X	N
332322E211	Steel restaurant and hotel kitchen sheet metal equipment	136	X	X	302 597	138	X	X	250 131
332322E3	Aluminum and other sheet metal work	N	X	X	3 617 989	N	X	X	N
332322E321	Aluminum restaurant and hotel kitchen sheet metal equipment	24	X	X	49 169	22	X	X	18 628
332322E326	Other steel sheet metal work	1 079	X	X	2 595 336	953	X	X	1 441 406
332322E331	Other aluminum sheet metal work	409	X	X	625 518	360	X	X	425 295
332322E336	Other sheet metal work (metals other than steel or aluminum)	214	X	X	347 966	170	X	X	232 166
332322EY	Other sheet metal work, nsk	N	X	X	244 796	N	X	X	N
332322EYVV	Other sheet metal work, nsk	N	X	X	244 796	N	X	X	68 919
332322W	Sheet metal work, nsk, total	N	X	X	2 112 932	N	X	X	N
332322WY	Sheet metal work, nsk, total	N	X	X	2 112 932	N	X	X	N
332322WYWW	Sheet metal work, nsk for nonadministrative-record establishments	N	X	X	1 704 086	N	X	X	N
332322WYWY	Sheet metal work, nsk for administrative-record establishments	N	X	X	408 846	N	X	X	N

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NAICS product code	Product	1997				1992			
		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
332323	Ornamental and architectural metal work	N	X	X	4 243 440	N	X	X	N
3323231	Metal grilles, registers, and air diffusers	N	X	X	494 749	N	X	X	321 641
33232311	Other grills, including open mesh partitions	N	X	X	169 194	N	X	X	N
3323231106	Aluminum warm air or air-conditioning grills, registers, and air diffusers	16	X	X	135 232	20	X	X	79 375
3323231111	Other iron and steel grills (including open mesh partitions)	11	X	X	15 694	9	X	X	12 075
3323231116	Other aluminum grills (including open mesh partitions)	6	X	X	18 268	11	X	X	14 653
33232312	Iron and steel warm air or air-conditioning grills, registers, and air diffusers	N	X	X	308 045	N	X	X	N
3323231201	Iron and steel warm air or air-conditioning grills, registers, and air diffusers	36	X	X	308 045	26	X	X	210 749
3323231Y	Metal grilles, registers, and air diffusers, nsk	N	X	X	17 510	N	X	X	N
3323231YVV	Metal grilles, registers, and air diffusers, nsk	N	X	X	17 510	N	X	X	4 789
3323233	Ornamental and architectural metal work	N	X	X	1 219 589	N	X	X	N
33232331	Iron, steel, and aluminum stairs, staircases, and fire escapes	N	X	X	666 673	N	X	X	N
3323233101	Iron and steel stairs, staircases, fire escapes, and expanded metal plaster lath	554	X	X	549 586	N	X	X	N
3323233106	Aluminum stairs, staircases, fire escapes, and metal plaster base accessories (including corner beads, screens, grounds, etc)	60	X	X	117 087	N	X	X	N
33232332	Fences, gates (other than wire), and railings and window guards, made of aluminum or steel	N	X	X	544 775	N	X	X	N
3323233211	Iron and steel fences and gates (other than wire)	220	X	X	305 208	156	X	X	124 412
3323233216	Aluminum fences and gates (other than wire)	40	X	X	39 456	30	X	X	14 911
3323233221	Metal railings and window guards (iron, steel, and aluminum, other than wire)	240	X	X	200 111	178	X	X	106 356
3323233Y	Ornamental and architectural metal work, nsk	N	X	X	8 141	N	X	X	N
3323233YVV	Ornamental and architectural metal work, nsk	N	X	X	8 141	N	X	X	N
3323235	Open metal flooring, grating, and studs	N	X	X	512 976	N	X	X	325 454
33232351	Open iron, steel, and aluminum flooring and grating for building construction	N	X	X	375 849	N	X	X	N
3323235101	Open iron and steel flooring and grating for building construction	139	X	X	348 120	96	X	X	219 885
3323235106	Open aluminum flooring and grating for building construction	18	X	X	27 729	18	X	X	27 163
33232352	Studs, nonload and load-bearing iron, steel and aluminum	N	X	X	137 127	N	X	X	N
3323235211	Nonload-bearing studs (iron, steel, and aluminum)	7	X	X	116 323	10	X	X	49 801
3323235216	Load-bearing studs (iron, steel, and aluminum)	6	X	X	20 804	10	X	X	21 696
3323235Y	Open metal flooring, grating, and studs, nsk	N	X	X	—	N	X	X	N
3323235YVV	Open metal flooring, grating, and studs, nsk	N	X	X	—	N	X	X	6 909
3323237	Metal scaffolding and shoring and forming for concrete work	N	X	X	394 620	N	X	X	241 538
33232371	Metal scaffolding and shoring and forming for concrete work	N	X	X	394 620	N	X	X	N
3323237101	Suspended scaffolding (including midpoint, two-point, multilevel, boatswain chairs, etc.) (iron, steel, and aluminum)	15	X	X	45 476	14	X	X	49 151
3323237106	Access scaffolding, (including tube and coupler system, prefabricated mobil scaffolds, etc.) (iron, steel, and aluminum)	23	X	X	158 700	24	X	X	48 766
3323237111	Shoring (including flying forms, postshores, ellis clamps, reshores, etc.) (iron, steel, and aluminum)	7	X	X	21 843	8	X	X	22 884
3323237116	Forming (including modular, prefabricated custom design, etc.) (iron, steel, aluminum, and all other material-metal combinations)	54	X	X	168 601	44	X	X	120 737
3323237Y	Metal scaffolding and shoring and forming for concrete work, nsk	N	X	X	—	N	X	X	N
3323237YVV	Metal scaffolding and shoring and forming for concrete work, nsk	N	X	X	—	N	X	X	—

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
332323	Ornamental and architectural metal work—Con.								
3323239	Other architectural and ornamental work	N	X	X	1 223 918	N	X	X	N
33232391	Other aluminum and metal architectural and ornamental work	N	X	X	222 180	N	X	X	N
3323239106	Other aluminum architectural and ornamental work	102	X	X	146 873	86	X	X	135 263
3323239111	Other metal architectural and ornamental work (other than iron, steel, or aluminum)	50	X	X	75 307	53	X	X	51 960
33232392	Other iron and steel architectural and ornamental work	N	X	X	600 126	N	X	X	N
3323239201	Other iron and steel architectural and ornamental work	278	X	X	600 126	217	X	X	419 079
33232393	Metal stalls and corrals	N	X	X	120 905	N	X	X	N
3323239311	Metal stalls and corrals	46	X	X	120 905	N	X	X	N
3323239Y	Other architectural and ornamental work, nsk	N	X	X	280 707	N	X	X	N
3323239YVV	Other architectural and ornamental work, nsk	N	X	X	280 707	N	X	X	N
332323W	Ornamental and architectural metal work, nsk, total	N	X	X	397 588	N	X	X	N
332323WY	Ornamental and architectural metal work, nsk, total	N	X	X	397 588	N	X	X	N
332323WYWW	Ornamental and architectural metal work, nsk for nonadministrative-record establishments	N	X	X	222 913	N	X	X	N
332323WYWY	Ornamental and architectural metal work, nsk, for administrative-record establishments	N	X	X	174 675	N	X	X	N
332410	Power boilers and heat exchangers	N	X	X	3 601 322	N	X	X	N
3324101	Fabricated heat exchangers and steam condensers (except for nuclear applications)	N	X	X	2 098 378	N	X	X	1 535 751
33241011	Fabricated bar tube industrial heat exchangers, closed types (except for nuclear applications)	N	X	X	858 910	N	X	X	N
3324101101	Fabricated bar tube industrial heat exchangers, closed types (except for nuclear applications)	128	X	X	858 910	112	X	X	738 405
33241012	Fabricated fin tube industrial heat exchangers, closed types (except nuclear applications)	N	X	X	929 260	N	X	X	N
3324101206	Fabricated fin tube industrial heat exchangers, closed types (except nuclear applications)	90	X	X	929 260	77	X	X	583 506
33241013	Fabricated steam condensers (except for nuclear applications)	N	X	X	214 526	N	X	X	N
3324101311	Fabricated steam condensers (except for nuclear applications)	32	X	X	214 526	36	X	X	130 708
3324101Y	Fabricated heat exchangers and steam condensers (except for nuclear applications), nsk	N	X	X	95 682	N	X	X	N
3324101YVV	Fabricated heat exchangers and steam condensers (except for nuclear applications), nsk	N	X	X	95 682	N	X	X	83 132
3324105	Steel power boilers (stationary and marine), parts and attachments (except nuclear applications)	N	X	X	874 577	N	X	X	808 261
33241051	Water tube steel, fire tube steam and vertical and other power boilers	N	X	X	447 568	N	X	X	N
3324105101	Water tube steel power boilers (stationary and marine), 10,000 lb per hour or less 15 p.s.i. steam working pressure or less (except for nuclear applications)	5	X	X	7 743	3	X	X	912
3324105106	Water tube steel power boilers (stationary and marine), more than 15 p.s.i. steam working pressure, 100,000 lb per hour or less, saturated (except for nuclear applications)	13	X	X	71 888	N	X	X	N
3324105111	Water tube steel power boilers (stationary and marine), more than 15 p.s.i. steam working pressure, 100,000 lb per hour or less, super heated (except for nuclear applications)	9	X	X	94 006	N	X	X	N
3324105126	Water tube steel power boilers (stationary and marine), more than 15 p.s.i. steam working pressure, 100,001 lb per hour or more saturated (except for nuclear applications)	7	X	X	40 146	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
332410	Power boilers and heat exchangers—Con.								
3324105	Steel power boilers (stationary and marine), parts and attachments (except nuclear applications)—Con.								
33241051	Water tube steel, fire tube steam and vertical and other power boilers—Con.								
3324105131	Water tube steel power boilers (stationary and marine), more than 15 p.s.i. steam working pressure, 100,001 lb per hour or more super heated (except for nuclear applications)	8	X	X	93 210	N	X	X	N
3324105146	Other water tube steam power boilers (stationary and marine), including 10,001 lb per hour or more with 15 p.s.i. steam working pressure or less (except for nuclear applications)	3	X	X	D	1	X	X	D
3324105151	Fire tube steam power boilers (stationary and marine), horizontal return tubular (except for nuclear applications)	8	X	X	8 991	N	X	X	N
3324105161	Fire tube steam power boilers (stationary and marine), firebox, (except for nuclear applications)	3	X	X	3 763	N	X	X	N
3324105171	Fire tube steam power boilers (stationary and marine), scotch type pressure (except for nuclear applications)	5	X	X	35 126	N	X	X	N
3324105181	Vertical and other fire tube type steam power boilers (stationary and marine) (except for nuclear applications)	5	X	X	D	2	X	X	D
3324105186	Other steel power boilers (stationary and marine) (except for nuclear applications)	14	X	X	60 594	8	X	X	26 700
33241052	Parts and attachments for steel power boilers (sold separately) (except for nuclear applications)	N	X	X	355 447	N	X	X	N
3324105291	Parts and attachments for steel power boilers (sold separately) (except for nuclear applications)	29	X	X	355 447	36	X	X	253 505
3324105Y	Steel power boilers (stationary and marine), parts and attachments (except nuclear applications), nsk	N	X	X	71 562	N	X	X	N
3324105YVV	Steel power boilers (stationary and marine), parts and attachments (except nuclear applications), nsk	N	X	X	71 562	N	X	X	16 073
332410W	Power boilers and heat exchangers, nsk, total	N	X	X	628 367	N	X	X	N
332410WY	Power boilers and heat exchangers, nsk, total	N	X	X	628 367	N	X	X	N
332410WYWW	Power boilers and heat exchangers, nsk, for nonadministrative-record establishments	N	X	X	597 379	N	X	X	N
332410WYWY	Power boilers and heat exchangers, nsk, for administrative-record establishments	N	X	X	30 988	N	X	X	N
332420	Metal tanks (heavy gauge)	N	X	X	4 480 384	N	X	X	N
3324207	Gas cylinders	N	X	X	508 097	N	X	X	355 470
33242071	Seamless gas cylinders, ferrous and nonferrous	N	X	X	498 719	N	X	X	N
3324207101	Seamless ferrous and nonferrous gas cylinders	13	X	X	259 533	12	X	X	191 486
3324207106	Welded ferrous and nonferrous gas cylinders	16	X	X	239 186	15	X	X	162 476
3324207Y	Gas cylinders, nsk	N	X	X	9 378	N	X	X	N
3324207YVV	Gas cylinders, nsk	N	X	X	9 378	N	X	X	1 508
3324209	Metal tanks, complete at factory (standard line pressure)	N	X	X	826 726	N	X	X	496 192
33242091	Metal tanks, complete at factory (standard line pressure)	N	X	X	826 726	N	X	X	N
3324209101	Liquefied petroleum gas tanks (all types), ferrous and nonferrous metal, complete at factory (standard line pressure)	20	X	X	265 530	18	X	X	107 102
3324209106	Air receivers (tanks), ferrous and nonferrous metal, complete at factory (standard line pressure)	20	X	X	163 374	19	X	X	74 617
3324209111	Other pressure tanks (including anhydrous ammonia tanks) ferrous and nonferrous metal, complete at factory (standard line pressure)	68	X	X	397 822	59	X	X	270 537
3324209Y	Metal tanks, complete at factory (standard line pressure), nsk	N	X	X	—	N	X	X	N
3324209YVV	Metal tanks, complete at factory (standard line pressure), nsk	N	X	X	—	N	X	X	43 936

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
332420	Metal tanks (heavy gauge)— Con.								
332420A	Nuclear reactor steam supply systems, heat exchangers and condensers, pressurizers, components, and auxiliary equipment	N	X	X	213 967	N	X	X	239 685
332420A1	Nuclear reactor steam supply systems, heat exchangers and condensers, pressurizers, components, and auxiliary equipment	N	X	X	213 967	N	X	X	N
332420A100	Nuclear reactor steam supply systems, heat exchangers and condensers, pressurizers, components, and auxiliary equipment	13	X	X	213 967	18	X	X	239 685
332420C	Metal tanks, complete at factory (standard line nonpressure)	N	X	X	442 893	N	X	X	466 422
332420C1	Ferrous and nonferrous metal storage tanks, (standard line nonpressure)	N	X	X	442 352	N	X	X	N
332420C101	Ferrous metal storage tanks, complete at factory (standard line nonpressure), 4,000 gal capacity or less	84	X	X	162 701	82	X	X	141 833
332420C106	Nonferrous metal storage tanks, complete at factory (standard line nonpressure), 4,000 gal capacity or less	29	X	X	20 626	22	X	X	29 822
332420C111	Ferrous metal storage tanks, complete at factory (standard line nonpressure), more than 4,000 gal capacity	84	X	X	129 355	76	X	X	103 971
332420C116	Nonferrous metal storage tanks, complete at factory (standard line nonpressure), more than 4,000 gal capacity	25	X	X	28 328	27	X	X	21 925
332420C121	Other ferrous metal nonpressure storage tanks, complete at factory (including tanks for trailers, metal septic tanks, etc.)	52	X	X	68 241	35	X	X	119 522
332420C126	Other nonferrous metal nonpressure storage tanks, complete at factory (including tanks for trailers, metal septic tanks, etc.)	19	X	X	33 101	14	X	X	11 859
332420CY	Metal tanks, complete at factory (standard line nonpressure), nsk	N	X	X	541	N	X	X	N
332420CYWV	Metal tanks, complete at factory (standard line nonpressure), nsk	N	X	X	541	N	X	X	37 490
332420E	Metal tanks and vessels, custom fabricated at the factory	N	X	X	1 443 424	N	X	X	1 085 233
332420E1	Ferrous metal pressure tanks and vessels (more than 24 inch outside diameter and not less than 5 cu ft capacity)	N	X	X	607 505	N	X	X	N
332420E101	Ferrous metal pressure tanks and vessels (more than 24 inch outside diameter and not less than 5 cu ft capacity), custom fabricated at the factory, for refineries, chemical plants, and paper mills	114	X	X	313 766	134	X	X	335 577
332420E106	Ferrous metal pressure tanks and vessels (more than 24 inch outside diameter and not less than 5 cu ft capacity), custom fabricated at the factory, for other processing industries	97	X	X	293 739	80	X	X	208 446
332420E2	All other metal tanks and vessels, custom fabricated at the factory	N	X	X	794 747	N	X	X	N
332420E211	Nonferrous metal process pressure vessels, tanks, and kettles for refineries, chemical plants, paper mills (more than 24 inch o.d. and not less than 5 cu ft cap.), custom fabricated at the factory	53	X	X	123 733	53	X	X	76 151
332420E216	Liquefied petroleum gas tanks, ferrous and nonferrous, custom fabricated at the factory	15	X	X	64 504	9	X	X	45 777
332420E221	All other ferrous metal tanks and vessels, custom fabricated at the factory	142	X	X	458 008	138	X	X	282 137
332420E226	All other nonferrous metal tanks and vessels, custom fabricated at the factory	55	X	X	148 502	54	X	X	94 122
332420EY	Metal tanks and vessels, custom fabricated at the factory, nsk	N	X	X	41 172	N	X	X	N
332420EYWV	Metal tanks and vessels, custom fabricated at the factory, nsk	N	X	X	41 172	N	X	X	43 023

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
332420	Metal tanks (heavy gauge)—Con.								
332420G	Metal tanks and vessels, custom fabricated and field erected	N	X	X	913 689	N	X	X	757 939
332420G1	Ferrous and nonferrous metal bulk storage tanks, custom fabricated and field erected, ground storage	N	X	X	549 840	N	X	X	N
332420G101	Ferrous metal bulk storage tanks, custom fabricated and field erected, elevated type, for dry materials	16	X	X	23 563	23	X	X	23 980
332420G106	Ferrous metal bulk storage tanks, custom fabricated and field erected, elevated type, for water	12	X	X	173 674	15	X	X	139 409
332420G111	Ferrous metal bulk storage tanks, custom fabricated and field erected, elevated type, for other liquids	15	X	X	84 643	19	X	X	50 159
332420G116	Nonferrous metal bulk storage tanks, custom fabricated and field erected, elevated type	8	X	X	14 377	1	X	X	168
332420G121	Ferrous metal bulk storage tanks, custom fabricated and field erected, ground storage type, for dry materials	13	X	X	31 296	8	X	X	15 336
332420G126	Ferrous metal bulk storage tanks, custom fabricated and field erected, ground storage type, for petroleum products	25	X	X	94 583	27	X	X	117 976
332420G131	Ferrous metal bulk storage tanks, custom fabricated and field erected, ground storage type, for water	23	X	X	71 450	28	X	X	69 301
332420G136	Ferrous metal bulk storage tanks, custom fabricated and field erected, ground storage type, for other materials	14	X	X	41 349	14	X	X	43 526
332420G141	Nonferrous metal bulk storage tanks, custom fabricated and field erected, ground storage type	11	X	X	14 905	6	X	X	1 329
332420G2	Ferrous metal pressure vessels and tanks (including gas holders and process vessels, etc.), custom fabricated and field erected, for refineries, chemical plants, and paper mills	N	X	X	133 607	N	X	X	N
332420G246	Ferrous metal pressure vessels and tanks (including gas holders and process vessels, etc.), custom fabricated and field erected, for refineries, chemical plants, and paper mills	22	X	X	133 607	45	X	X	147 405
332420G3	Ferrous and nonferrous metal pressure vessels and tanks	N	X	X	217 897	N	X	X	N
332420G351	Ferrous metal pressure vessels and tanks (including gas holders and process vessels, etc.), custom fabricated and field erected, for other processing industries	26	X	X	148 622	31	X	X	95 716
332420G356	Nonferrous metal pressure vessels and tanks (including gas holders and process vessels, etc.), custom fabricated and field erected	16	X	X	69 275	13	X	X	38 061
332420GY	Metal tanks and vessels, custom fabricated and field erected, nsk	N	X	X	12 345	N	X	X	N
332420GYWV	Metal tanks and vessels, custom fabricated and field erected, nsk	N	X	X	12 345	N	X	X	15 573
332420W	Metal tanks (heavy gauge), nsk, total	N	X	X	131 588	N	X	X	N
332420WY	Metal tanks (heavy gauge), nsk, total	N	X	X	131 588	N	X	X	N
332420WYWW	Metal tanks (heavy gauge), nsk, for nonadministrative-record establishments	N	X	X	94 178	N	X	X	N
332420WYWY	Metal tanks (heavy gauge), nsk, for administrative-record establishments	N	X	X	37 410	N	X	X	N
332431	Metal cans	N	X	X	11 334 677	N	X	X	11 665 300
3324311	Steel cans and tinware products	N	X	X	4 672 522	N	X	X	4 775 013
33243111	Steel cans, including lids, ends, and parts shipped separately	N	X	X	4 501 860	N	X	X	N
3324311101	Steel cans, including lids, ends, and parts shipped separately	41	X	X	4 501 860	54	X	X	3 907 174
33243112	Tinware end products, including ice cream cans, but excluding cooking and kitchen utensils	N	X	X	133 018	N	X	X	N
3324311206	Tinware end products, including ice cream cans, but excluding cooking and kitchen utensils	6	X	X	133 018	12	X	X	819 181
3324311Y	Steel cans and tinware products, nsk	N	X	X	37 644	N	X	X	N
3324311YWV	Steel cans and tinware products, nsk	N	X	X	37 644	N	X	X	48 658

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
332431	Metal cans—Con.								
3324313	Aluminum cans, including lids, ends, and parts shipped separately	N	X	X	6 560 667	N	X	X	6 747 038
33243131	Aluminum cans, including lids, ends, and parts shipped separately	N	X	X	6 560 667	N	X	X	N
3324313100	Aluminum cans, including lids, ends, and parts shipped separately	16	X	X	6 560 667	28	X	X	6 747 038
332431W	Metal cans, nsk, total	N	X	X	101 488	N	X	X	143 249
332431WY	Metal cans, nsk, total	N	X	X	101 488	N	X	X	N
332431WYWW	Metal cans, nsk, for nonadministrative-record establishments	N	X	X	25 177	N	X	X	127 482
332431WYWY	Metal cans, nsk, for administrative-record establishments	N	X	X	76 311	N	X	X	14 545
332439	Other metal containers	N	X	X	2 216 060	N	X	X	N
3324391	Steel pails, 1 to 12 gallon capacity	N	X	X	530 119	N	X	X	N
33243911	Steel pails, 1 to 12 gallon capacity	N	X	X	295 363	N	X	X	N
3324391100	Steel pails, 1 to 12 gallon capacity	21	X	X	295 363	N	X	X	N
33243913	Fabricated steel boxes	N	X	X	234 756	N	X	X	N
3324391306	Fabricated steel boxes for packaging and shipping	31	X	X	105 146	19	X	X	26 311
3324391311	Fabricated steel boxes other than for shipping (ammunition boxes, jewelry cases, etc.)	39	X	X	129 610	46	X	X	167 607
3324391Y	Steel pails (1 to 12 gallon capacity) and fabricated steel boxes, nsk.	N	X	X	—	N	X	X	N
3324391YWV	Steel pails (1 to 12 gallon capacity) and fabricated steel boxes, nsk.	N	X	X	—	N	X	X	N
3324393	Steel shipping barrels and drums, excluding beer barrels (more than 12 gallon capacity)	N	X	X	764 495	N	X	X	753 768
33243931	Steel shipping barrels and drums, excluding beer barrels (more than 12 gallon capacity)	N	X	X	764 495	N	X	X	N
3324393100	Steel shipping barrels and drums, excluding beer barrels (more than 12 gallon capacity)	39	X	X	764 495	42	X	X	753 768
3324395	Other metal container manufacturing	N	X	X	D	N	X	X	N
33243951	Metal barrels, vacuum and insulated bottles, grain bins and vats, other barrels	N	X	X	D	N	X	X	N
3324395101	Metal fluid milk shipping and delivery containers (except crates) and sheet metal grain bins and vats, excluding drying floors, fans, and heaters (steel and aluminum)	35	X	X	187 015	N	X	X	N
3324395106	Vacuum and insulated bottles, jugs, and chests (except those made principally of foam plastics) and other sheet metal bins and vats, incld feed storage bins and sheet metal vats (steel and aluminum)	60	X	X	234 793	N	X	X	N
3324395199	All other metal barrels (including beer barrels and parts for metal barrels and pails)	12	X	X	D	N	X	X	N
3324395Y	Other metal container manufacturing, nsk	N	X	X	11 272	N	X	X	N
3324395YWV	Other metal container manufacturing, nsk	N	X	X	11 272	N	X	X	N
3324397	Air cargo containers, metal	N	X	X	D	N	X	X	N
33243971	Air cargo containers, metal	N	X	X	D	N	X	X	N
3324397100	Air cargo containers, metal	2	X	D	D	N	X	X	N
332439W	Other metal container manufacturing, nsk, total	N	X	X	439 209	N	X	X	N
332439WY	Other metal container manufacturing, nsk	N	X	X	439 209	N	X	X	N
332439WYWW	Other metal container manufacturing, nsk, for nonadministrative-record establishments	N	X	X	327 826	N	X	X	N
332439WYWY	Other metal container manufacturing, nsk, for administrative-record establishments	N	X	X	111 383	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
332510	Hardware, nec	N	X	X	10 740 855	N	X	X	N
3325101	Furniture hardware (excluding cabinet hardware)	N	X	X	761 545	N	X	X	702 454
33251011	Furniture hardware (excluding cabinet hardware), and fabricated metal bank and security vaults and equipment (including safes, vaults, bank security lockers, night depositories, etc.)	N	X	X	756 036	N	X	X	N
3325101101	Furniture sleeper mechanisms, and fabricated metal safes and vaults (fire-resistive and burglary-resistive)	6	X	X	D	4	X	X	D
3325101106	Rotating and tilting furniture fixtures and bases, and fabricated metal safe deposit boxes	7	X	X	D	11	X	X	69 056
3325101111	Furn. hrdwr. (drawer pulls and handles, etc.), (excl. furn. and drawer slides), and all other fab. met. bank and secur. vaults and equip. (bank secur. lockers, night depositories, etc.)	25	X	X	170 520	32	X	X	242 744
3325101116	Furniture and drawer slides	13	X	X	179 512	8	X	X	130 082
3325101121	Furniture casters	12	X	X	106 160	14	X	X	88 948
3325101133	Other floor protective furniture hardware devices (including slides, glides, furniture rests, and desk leg cups)	9	X	X	14 977	12	X	X	D
3325101Y	Furniture hardware (excluding cabinet hardware), nsk	N	X	X	5 509	N	X	X	N
3325101YVV	Furniture hardware (excluding cabinet hardware), nsk	N	X	X	5 509	N	X	X	23 058
3325103	Builders' hardware, including fabricated metal safes and vaults	N	X	X	5 122 866	N	X	X	N
33251031	Fabricated metal safe and vault locks	N	X	X	1 402 896	N	X	X	N
3325103101	Pin tumbler padlocks	13	X	X	174 799	21	X	X	140 909
3325103111	All other padlocks	12	X	X	108 859	N	X	X	N
3325103121	Mortised doorlocks, locksets, and lock trim, except mortise deadlocks	12	X	X	121 027	18	X	X	131 905
3325103125	Fabricated metal safes and vaults (fire-resistive and burglary-resistive)	27	X	X	322 210	31	X	X	127 693
3325103126	Tubular and mortised deadlocks	11	X	X	194 087	18	X	X	187 709
3325103128	Fabricated metal safe and vault locks	4	X	X	24 691	N	X	X	N
3325103129	Fabricated metal safe deposit boxes	4	X	S	6 821	6	X	S	12 351
3325103131	Electronically or electrically operated doorlocks, locksets, and lock trim	13	X	X	137 053	17	X	X	52 514
3325103133	All other doorlocks, locksets, and lock trim types	22	X	X	212 442	44	X	X	161 138
3325103137	All other fabricated metal bank and security vaults and equipment (including bank security lockers, night depositories, etc.)	11	N	X	100 907	N	N	X	N
33251032	Bored doorlocks, locksets, and lock trim, cylindrical and tubular (except deadlocks)	N	X	X	862 557	N	X	X	N
3325103216	Bored doorlocks, locksets, and lock trim, cylindrical and tubular (except deadlocks)	21	X	X	862 557	23	X	X	569 821
33251033	Architectural trim and other miscellaneous closet hardware	N	X	X	863 944	N	X	X	N
3325103336	Architectural trim (sold separately) (including protection plates, push plates, pulls, push-pull bars, lock trim, nec)	13	X	X	63 679	29	X	X	70 195
3325103341	Key blanks	21	X	X	140 209	25	X	X	90 346
3325103346	Exit devices (including fire exit hardware)	10	X	X	253 637	13	X	X	162 793
3325103361	Miscellaneous closet hardware (including shelving other than wire and decorative shelving)	13	X	X	64 952	15	X	X	47 274
3325103363	Surface applied door controls, closers, and checking devices	12	X	X	250 856	11	X	X	150 829
3325103365	Concealed (overhead, in the door, on the floor) door controls, closers, and checking devices	5	X	X	61 129	10	X	X	49 662
3325103367	Electromechanical-pneumatic door controls, closers, and checking devices (with hold-open mechanism released by integral or remote smoke detector)	7	X	X	29 482	10	X	X	41 510
33251034	Screen and storm door hardware (including pneumatic and hydraulic closers and window locks)	N	X	X	337 289	N	X	X	N
3325103451	Screen and storm door hardware (including pneumatic and hydraulic closers)	11	X	X	76 954	12	X	X	64 359
3325103456	Window hardware (including window locks)	36	X	X	260 335	41	X	X	290 598

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332510	Hardware, nec—Con.								
3325103	Builders' hardware, including fabricated metal safes and vaults—Con.								
33251035 3325103569	Hinges and cabinet hardware	N	X	X	761 203	N	X	X	N
	Butt hinges (excluding cabinet hinges, but including spring hinges), 3 one-half in. by 3 one-half in. or less	16	X	X	28 158	17	X	X	48 567
3325103571	Butt hinges (excluding cabinet hinges, but including spring hinges), more than 3 one-half in. by 3 one-half in., either dimension	18	X	X	195 313	18	X	X	119 885
3325103573	Other hinges, excluding cabinet hinges, but including spring hinges	37	X	X	146 470	36	X	X	115 640
3325103575	Cabinet hinges	13	X	X	77 426	14	X	X	50 583
3325103579	Cabinet locks	12	X	X	61 361	13	X	X	52 713
3325103581	Cabinet knobs, pulls, and catches	15	X	X	84 603	22	X	X	87 676
3325103583	Other cabinet hardware (including drawer slides, etc.)	12	X	X	167 872	13	X	X	91 826
33251036 3325103685	Builders' hardware	N	X	X	871 365	N	X	X	N
	Hangers, tracks, and related builders' hardware items (except sliding and folding door hardware), residential and commercial	21	X	X	106 531	28	X	X	74 524
3325103687	Sliding and folding door hardware (residential and commercial)	28	X	X	153 426	32	X	X	93 950
3325103689	Door holders and stops (overhead, surface, and concealed; floor and wall mounted)	10	X	X	22 310	10	X	X	14 474
3325103691	Rim locks and other locking devices, nec	11	X	X	20 473	7	X	X	18 397
3325103699	Other builders' hardware	74	X	X	568 625	88	X	X	329 909
3325103Y 3325103YVV	Fabricated metal safe and vault locks	N	X	X	23 612	N	X	X	N
	locks, nsk	N	X	X	23 612	N	X	X	N
3325105	Motor vehicle hardware (lock units, door and window handles, window regulators, hinges, license plate brackets, etc.)	N	X	X	3 093 874	N	X	X	2 574 103
33251051	Motor vehicle hardware (lock units, door and window handles, window regulators, hinges, license plate brackets, etc.)	N	X	X	3 093 874	N	X	X	N
3325105100	Motor vehicle hardware (lock units, door and window handles, window regulators, hinges, license plate brackets, etc.)	90	X	X	3 093 874	85	X	X	2 574 103
3325107	Other transportation equipment hardware (except motor vehicle hardware)	N	X	X	508 822	N	X	X	D
33251071	Other transportation equipment hardware (including aircraft and railroad car hardware)	N	X	X	499 791	N	X	X	N
3325107101	Marine hardware (including shackles, rope sockets, tackle blocks, wire rope clips, clamps, and joiners' hardware)	55	X	X	186 671	65	X	X	206 846
3325107106 3325107111	Aircraft hardware	24	X	X	131 013	37	X	X	148 425
	Other transportation equipment hardware (including railroad car hardware)	31	X	X	182 107	32	X	X	D
3325107Y 3325107YVV	Other transportation equipment hardware (except motor vehicle hardware), nsk	N	X	X	9 031	N	X	X	N
	Other transportation equipment hardware (except motor vehicle hardware), nsk	N	X	X	9 031	N	X	X	8 001
3325109	Other hardware, nec	N	X	X	965 325	N	X	X	N
33251091	Other hardware (including saddlery and harness hardware, but excluding drapery hardware)	N	X	X	965 325	N	X	X	N
3325109101 3325109106	Casket and casket shell hardware	25	X	X	65 940	10	X	X	37 880
	Casters and wheels for dollies and industrial handtrucks	20	X	X	248 734	25	X	X	179 896
3325109111	Fireplace fixtures and equipment, andirons, screens, tongs, and other fire tools	21	X	X	144 694	24	X	X	125 904
3325109121 3325109199	Refrigerator and stove hardware	12	X	X	70 639	9	X	X	40 527
	Other hardware (including saddlery and harness hardware, but excluding drapery hardware)	111	X	X	435 318	103	X	X	216 246
3325109Y 3325109YVV	Other hardware, nec, nsk	N	X	X	—	N	X	X	N
	Other hardware, nec, nsk	N	X	X	—	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
332510	Hardware, nec—Con.								
332510W	Hardware manufacturing, nsk, total	N	X	X	288 423	N	X	X	N
332510WY	Hardware manufacturing, nsk, total	N	X	X	288 423	N	X	X	N
332510WYWW	Hardware manufacturing, nsk, for nonadministrative-record establishments	N	X	X	159 003	N	X	X	N
332510WYWY	Hardware manufacturing, nsk, for administrative-record establishments	N	X	X	129 420	N	X	X	N
332611	Steel springs, except wire	N	X	X	873 310	N	X	X	466 025
3326111	Hot formed steel springs (except wire)	N	X	X	512 832	N	X	X	246 332
33261111	Hot formed, hot wound helical steel automobile coil springs	N	X	X	181 501	N	X	X	N
3326111101	Hot formed, hot wound, helical automobile coil steel springs for domestic replacement and shipments for export	14	X	X	47 858	9	X	X	60 638
3326111106	Hot formed, hot wound, helical automobile coil steel springs for shipment to U.S. motor vehicle manufacturers or their suppliers for use in original equipment	11	X	X	133 643	4	X	X	4 979
33261112	Hot formed steel automotive, truck, bus, trailer, etc., leaf springs	N	X	X	186 486	N	X	X	N
3326111216	Hot formed automotive, truck, bus, trailer, etc., leaf steel springs for domestic replacement and shipments for export	17	X	X	89 016	12	X	X	48 891
3326111221	Hot formed automotive, truck, bus, trailer, etc., leaf steel springs for shipment to U.S. motor vehicle manufacturers or their suppliers for use in original equipment	11	X	X	97 470	7	X	X	67 296
33261113	Other hot formed steel springs, including torsion bar springs, leaf springs for tractors, farm equipment, locomotives, etc.	N	X	X	144 845	N	X	X	N
3326111311	Hot formed hot wound locomotive, railroad car, and other helical steel springs	10	X	X	45 122	6	X	X	24 084
3326111326	Other hot formed steel springs, including torsion bar springs and leaf springs for tractors, farm equipment, locomotives, etc.	52	X	X	99 723	12	X	X	17 010
3326111Y	Hot formed steel springs, except wire, nsk	N	X	X	—	N	X	X	N
3326111YWV	Hot formed steel springs, except wire, nsk	N	X	X	—	N	X	X	23 434
3326113	Cold formed steel springs, except wire	N	X	X	351 232	N	X	X	197 363
33261131	Cold formed steel springs, except wire	N	X	X	351 232	N	X	X	N
3326113101	Cold formed flat springs made of sheet or strip	86	X	X	305 926	62	X	X	160 834
3326113106	Cold formed helical suspension steel springs	19	X	X	45 306	14	X	X	33 963
3326113Y	Cold formed steel springs, except wire, nsk	N	X	X	—	N	X	X	N
3326113YWV	Cold formed steel springs, except wire, nsk	N	X	X	—	N	X	X	2 566
332611W	Steel springs, except wire, nsk, total	N	X	X	9 246	N	X	X	22 330
332611WY	Steel springs, except wire, nsk, total	N	X	X	9 246	N	X	X	N
332611WYWW	Steel springs, except wire, nsk, for nonadministrative-record establishments	N	X	X	9 246	N	X	X	17 431
332611WYWY	Steel springs, except wire, nsk, for administrative-record establishments	N	X	X	—	N	X	X	4 899
332612	Wire springs	N	X	X	2 199 081	N	X	X	N
3326122	Precision mechanical wire springs	N	X	X	929 182	N	X	X	654 371
33261221	Precision mechanical extension- and torsion-type wire springs	N	X	X	380 274	N	X	X	N
3326122111	Precision mechanical extension-type wire springs	115	X	X	163 747	108	X	X	158 674
3326122116	Precision mechanical torsion-type wire springs	116	X	X	216 527	111	X	X	140 401
33261222	Precision mechanical compression-type wire springs	N	X	X	536 733	N	X	X	N
3326122201	Precision mechanical compression-type wire springs, shipped to original equipment manufacturers	139	X	X	417 914	123	X	X	256 353
3326122206	Other precision mechanical compression-type wire spring shipments	73	X	X	118 819	47	X	X	75 447

Table 1. **Products Statistics: 1997 and 1992—Con.**

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NAICS product code	Product	1997				1992			
		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
332612	Wire springs—Con.								
3326122	Precision mechanical wire springs—Con.								
3326122Y	Precision mechanical wire springs, nsk	N	X	X	12 175	N	X	X	N
3326122YWV	Precision mechanical wire springs, nsk	N	X	X	12 175	N	X	X	23 496
3326124	Other wire springs	N	X	X	1 245 725	N	X	X	N
33261241	Wire spring units for box springs, mattresses, and dual-purpose sleep furniture, unassembled	N	X	X	318 400	N	X	X	N
3326124111	Wire spring units for box springs, innerspring mattresses, and dual-purpose sleep furniture (unassembled)	7	X	X	318 400	10	X	X	333 221
33261242	Other wire springs	N	X	X	927 325	N	X	X	N
3326124201	Seat and back wire springs for motor vehicles (unassembled)	12	X	X	223 556	11	X	X	N
3326124216	Wire spring units for upholstered furniture (unassembled)	10	X	X	45 831	13	X	X	31 491
3326124221	Other springs for mattresses and bedsprings, upholstery and furniture springs (unassembled)	32	X	X	187 512	N	X	X	N
3326124226	Wire valve springs	24	X	X	105 166	21	X	X	79 623
3326124231	Other wire springs	131	X	X	365 260	N	X	X	N
3326124Y	Other wire springs, nsk	N	X	X	—	N	X	X	N
3326124YWV	Other wire springs, nsk	N	X	X	—	N	X	X	N
332612W	Wire springs, nsk, total	N	X	X	24 174	N	X	X	N
332612WY	Wire springs, nsk, total	N	X	X	24 174	N	X	X	N
332612WYWW	Wire springs, nsk, for nonadministrative-record establishments	N	X	X	24 174	N	X	X	N
332612WYWY	Wire springs, nsk, for administrative-record establishments	N	X	X	—	N	X	X	N
332618	Other fabricated wire products	N	X	X	5 188 920	N	X	X	N
3326181	Noninsulated ferrous wire rope, cable, and strand, not made in plants that draw wire	N	X	X	457 671	N	X	X	450 712
33261811	Noninsulated ferrous wire rope, cable, and strand, including composite rope and cable and wire forms, not made in plants that draw wire	N	X	X	452 566	N	X	X	N
3326181101	Noninsulated ferrous wire rope and cable made from steel wire, excluding fabricated wire rope assemblies, not made in plants that draw wire \$	30	X	X	83 076	45	X	X	95 900
3326181103	Noninsulated fabricated ferrous wire rope assemblies, including lifting slings, not made in plants that draw wire \$	45	X	X	101 289	56	X	X	93 994
3326181105	Noninsulated ferrous wire strand, including strand for prestressed concrete, composite wire strand, except ACSR, and guard rail cable, not made in plants that draw wire \$	23	X	X	58 249	17	X	X	72 207
3326181107	Other noninsulated ferrous wire rope, cable, and strand, including wire forms and composite rope and cable, not made in plants that draw wire \$	74	X	X	209 952	78	X	X	186 911
3326181Y	Noninsulated ferrous wire rope, cable, and strand, not made in plants that draw wire, nsk	N	X	X	5 105	N	X	X	N
3326181YWV	Noninsulated ferrous wire rope, cable, and strand, not made in plants that draw wire, nsk	N	X	X	5 105	N	X	X	1 700
3326182	Other metal products, not made in plants that draw wire	N	X	X	410 349	N	X	X	404 639
33261821	Nonferrous nails, brads, tacks, and staples	N	X	X	402 691	N	X	X	N
3326182101	Primary nonferrous nails, brads, tacks, and staples	13	X	X	91 732	11	X	X	78 542
3326182106	Other primary metal products, nec	21	X	X	310 959	26	X	X	321 530
3326182Y	Other metal products, not made in plants that draw wire, nsk	N	X	X	7 658	N	X	X	N
3326182YWV	Other metal products, not made in plants that draw wire, nsk	N	X	X	7 658	N	X	X	4 567

Table 1. Products Statistics: 1997 and 1992—Con.

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NAICS product code	Product	1997				1992			
		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
332618	Other fabricated wire products—Con.								
3326183	Ferrous wire cloth and other ferrous woven wire products, not made in plants that draw wire	N	X	X	290 183	N	X	X	204 242
33261831	Ferrous wire cloth and other ferrous woven wire products, not made in plants that draw wire	N	X	X	290 183	N	X	X	N
3326183100	Ferrous wire cloth and other ferrous woven wire products, not made in plants that draw wire \$	44	X	X	290 183	51	X	X	204 242
3326185	Nonferrous wire cloth and other nonferrous woven wire products, not made in plants that draw wire	N	X	X	155 658	N	X	X	120 119
33261851	Nonferrous wire cloth and other nonferrous woven wire products, not made in plants that draw wire	N	X	X	155 658	N	X	X	N
3326185100	Nonferrous wire cloth and other nonferrous woven wire products, not made in plants that draw wire \$	28	X	X	155 658	28	X	X	120 119
3326187	Fabricated fencing and fence gates, not made in plants that draw wire	N	X	X	184 408	N	X	X	140 481
33261871	Wire fencing, excluding posts, gates, and fittings (including galvanized and plastics coated wire), not made in plants that draw wire	N	X	X	181 303	N	X	X	N
3326187101	Chain link fencing, excluding posts, gates, and fittings, including galvanized and plastics coated, not made in plants that draw wire \$	27	X	X	65 611	25	X	X	47 232
3326187103	Woven and welded fencing, excluding posts, gates, and fittings, including galvanized and plastics coated, not made in plants that draw wire \$	12	X	X	12 937	12	X	X	9 115
3326187105	Fabricated fence gates, posts, and fittings, not made in plants that draw wire \$	30	X	X	91 509	29	X	X	69 820
3326187107	Ornamental lawn fence, excluding posts, gates, and fittings, not made in plants that draw wire \$	8	X	X	11 246	8	X	X	11 003
3326187Y	Fabricated fencing and fence gates, not made in plants that draw wire, nsk	N	X	X	3 105	N	X	X	N
3326187YVV	Fabricated fencing and fence gates, not made in plants that draw wire, nsk	N	X	X	3 105	N	X	X	3 311
3326189	Steel nails, staples, tacks, spikes, and brads, not made in plants that draw wire	N	X	X	360 686	N	X	X	N
33261891	Steel wire nails, tacks, staples, spikes, and brads, not made in plants that draw wire, made from purchased wire	N	X	X	344 688	N	X	X	N
3326189101	Round steel wire nails, collated, prepackaged, not made in plants that draw wire, made from purchased wire \$	14	X	S	117 344	N	X	N	N
3326189103	Galvanized round steel wire nails, not collated, smooth shank, coated, plated, or painted, not made in plants that draw wire, made from purchased wire \$	—	X	—	—	N	X	N	N
3326189105	Vinyl, resin, or cement coated round steel wire nails, not collated, smooth shank, coated, plated, or painted, not made in plants that draw wire, made from purchased wire \$	—	X	D	D	N	X	N	N
3326189107	Other coated, plated, or painted round steel wire nails, not collated, smooth shank, not made in plants that draw wire, made from purchased wire \$	2	X	D	D	N	X	N	N
3326189109	Round steel wire nails, not coated, plated, or painted, not collated, smooth shank, not made in plants that draw wire, made from purchased wire \$	1	X	D	D	N	X	N	N
3326189111	Round steel wire nails, coated, plated, or painted, not collated, other than smooth shank, not made in plants that draw wire, made from purchased wire \$	1	X	D	D	N	X	N	N
3326189113	Round steel wire nails, not coated, plated, or painted, not collated, other than smooth shank, not made in plants that draw wire, made from purchased wire \$	3	X	D	D	N	X	N	N
3326189115	Steel cut nails, including horseshoe nails, not made in plants that draw wire, made from purchased wire \$	3	X	X	D	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
332618	Other fabricated wire products—Con.								
3326189	Steel nails, staples, tacks, spikes, and brads, not made in plants that draw wire—Con.								
33261891	Steel wire nails, tacks, staples, spikes, and brads, not made in plants that draw wire, made from purchased wire—Con.								
3326189117	Steel wire staples, not made in plants that draw wire, made from purchased wire \$	9	X	X	130 535	N	X	X	N
3326189119	Steel tacks (wire and cut), not made in plants that draw wire, made from purchased wire \$	3	X	X	3 105	N	X	X	N
3326189121	Steel spikes and brads, including track spikes, not made in plants that draw wire, made from purchased wire \$	3	X	X	1 839	N	X	X	N
3326189Y	Steel nails, staples, tacks, spikes, and brads, not made in plants that draw wire, nsk	N	X	X	15 998	N	X	X	N
3326189YWV	Steel nails, staples, tacks, spikes, and brads, not made in plants that draw wire, nsk	N	X	X	15 998	N	X	X	N
332618B	Other fabricated ferrous wire products (except springs), not made in plants that draw wire	N	X	X	3 007 964	N	X	X	2 306 563
332618B1	Ferrous wire bale ties not made in plants that draw wire	N	X	X	32 174	N	X	X	N
332618B105	Ferrous wire bale ties, not made in plants that draw wire \$	7	X	X	32 174	7	X	X	28 252
332618B2	Ferrous wire shelving, including oven, refrigerator, closet, and barbecue grills, not made in plants that draw wire	N	X	X	551 390	N	X	X	N
332618B217	Ferrous wire shelving, including oven, refrigerator, closet, and barbecue grills, not made in plants that draw wire \$	60	X	X	551 390	63	X	X	387 690
332618B3	Ferrous wire racks, including shoe, bottle, display, and point-of-purchase, not made in plants that draw wire	N	X	X	323 871	N	X	X	N
332618B319	Ferrous wire racks, including shoe, bottle, display, and point-of-purchase, not made in plants that draw wire \$	90	X	X	323 871	117	X	X	241 650
332618B4	Other fabricated ferrous wire products, not made in plants that draw wire	N	X	X	2 086 582	N	X	X	N
332618B401	Ferrous wire chain, including tire chain, stud-link chain, and welded link, not made in plants that draw wire \$	27	X	X	192 795	22	X	X	106 801
332618B403	Barbed and twisted ferrous wire, not made in plants that draw wire \$	9	X	X	28 740	9	X	X	18 036
332618B407	Welded steel wire fabrics, including concrete reinforcing mesh, not made in plants that draw wire \$	43	X	X	155 299	44	X	X	140 798
332618B409	Ferrous wire garment hangers, not made in plants that draw wire \$	13	X	X	75 154	12	X	X	92 879
332618B411	Ferrous wire carts, including household, grocery, and industrial carts, not made in plants that draw wire \$	22	X	X	182 826	27	X	X	131 440
332618B413	Steel wire cages, not made in plants that draw wire \$	45	X	X	168 995	42	X	X	107 942
332618B415	Ferrous wire baskets, not made in plants that draw wire \$	66	X	X	206 972	69	X	X	126 521
332618B421	Other fabricated ferrous wire products, including guards, florists' designs, and paperclips, not made in plants that draw wire \$	241	X	X	1 075 801	276	X	X	900 005
332618BY	Other fabricated ferrous wire products (except springs), not made in plants that draw wire, nsk	N	X	X	13 947	N	X	X	N
332618BYWV	Other fabricated ferrous wire products (except springs), not made in plants that draw wire, nsk	N	X	X	13 947	N	X	X	24 549
332618W	Other fabricated wire products, nsk, total	N	X	X	322 001	N	X	X	N
332618WY	Other fabricated wire products, nsk, total	N	X	X	322 001	N	X	X	N
332618WYWW	Other fabricated wire products, nsk, for nonadministrative-record establishments	N	X	X	166 039	N	X	X	N
332618WYWY	Other fabricated wire products, nsk, for administrative-record establishments	N	X	X	155 962	N	X	X	N

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		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
332710	Machine shop work	N	X	X	24 415 007	N	X	X	N
3327100	Receipts for machine shop job work and job order repairs	N	X	X	24 415 007	N	X	X	N
33271000	Receipts for machine shop job work and job order repairs	N	X	X	20 541 034	N	X	X	N
332710000	Receipts for machine shop job work and job order repairs	10 493	X	X	20 541 034	9 364	X	X	12 483 808
3327100Y	Receipts for machine shop job work and job order repairs, nsk, total	N	X	X	3 873 973	N	X	X	N
3327100YWW	Receipts for machine shop job work and job order repairs, nsk, for nonadministrative-record establishments	N	X	X	2 284 709	N	X	X	N
3327100YWY	Receipts for machine shop job work and job order repairs, nsk, for administrative-record establishments	N	X	X	1 589 264	N	X	X	N
332721	Precision turned products	N	X	X	8 006 106	N	X	X	3 659 576
3327211	Precision-turned products, automotive	N	X	X	1 886 830	N	X	X	1 100 197
33272111	Precision turned products, automotive	N	X	X	1 886 830	N	X	X	N
3327211100	Precision turned products, automotive	409	X	X	1 886 830	399	X	X	1 100 197
3327215	Precision-turned products, except automotive	N	X	X	4 135 005	N	X	X	2 141 359
33272151	Precision turned products, aircraft	N	X	X	273 011	N	X	X	N
3327215111	Precision turned products (made on CNC equipment or screw machines) for aircraft	129	X	X	273 011	141	X	X	192 145
33272152	Precision turned products for household appliances (including radio and television)	N	X	X	234 455	N	X	X	N
3327215222	Precision turned products (made on CNC equipment or screw machines) for household appliances, including radio and television	139	X	X	234 455	196	X	X	161 863
33272153	Precision turned products for electric and electronic equipment (except household appliances)	N	X	X	496 231	N	X	X	N
3327215333	Precision turned products (made on CNC equipment or screw machines) for electric and electronic equipment, except household appliances	281	X	X	496 231	329	X	X	333 690
33272154	Precision turned products for medical supplies	N	X	X	187 024	N	X	X	N
3327215444	Precision turned products (made on CNC equipment or screw machines) for medical supplies	122	X	X	187 024	N	X	X	N
33272155	Precision turned products for machinery, nec	N	X	X	496 046	N	X	X	N
3327215555	Precision turned products (made on CNC equipment or screw machines) for other machinery	305	X	X	496 046	350	X	X	406 381
33272156	Precision turned products, nec	N	X	X	1 164 494	N	X	X	N
3327215666	Precision turned products (made on CNC equipment or screw machines) for ordnance	57	X	X	36 315	99	X	X	94 601
3327215699	Precision turned products (made on CNC equipment or screw machines) for all other end uses	485	X	X	1 128 179	N	X	X	N
3327215Y	Precision turned products (made on CNC equipment or screw machines), except automotive, nsk	N	X	X	1 283 744	N	X	X	N
3327215YVV	Precision turned products (made on CNC equipment or screw machines), except automotive, nsk	N	X	X	1 283 744	N	X	X	49 343
332721W	Precision-turned products, nsk, total	N	X	X	1 984 271	N	X	X	418 020
332721WY	Precision turned products, nsk, total	N	X	X	1 984 271	N	X	X	N
332721WYWW	Precision turned products, nsk, for nonadministrative-record establishments	N	X	X	1 876 778	N	X	X	360 095
332721WYWY	Precision turned products, nsk, for administrative-record establishments	N	X	X	107 493	N	X	X	57 925

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
332722	Bolts, nuts, screws, rivets and washers	N	X	X	7 581 822	N	X	X	4 854 439
3327221	Aircraft (including aerospace) fasteners other than plastics (meet specifications for flying vehicles)	N	X	X	1 208 605	N	X	X	767 501
33272211	Aircraft (including aerospace) fasteners other than plastics (meet specifications for flying vehicles)	N	X	X	1 161 743	N	X	X	N
3327221101	Aircraft bolts, except plastics (including aerospace), less than 161 KSI tensile (meets specifications for flying vehicles)	26	X	X	140 369	21	X	X	115 180
3327221106	Aircraft bolts, except plastics (including aerospace), 161 KSI tensile or more (meets specifications for flying vehicles)	30	X	X	248 563	19	X	X	202 990
3327221115	Aircraft screws and studs, except plastics (including aerospace) (meets specifications for flying vehicles)	25	X	X	186 530	20	X	X	39 703
3327221145	Aircraft locknuts, except plastics (including aerospace), including flanged locknuts (meets specifications for flying vehicles)	15	X	X	213 307	15	X	X	144 069
3327221159	Other internally threaded aircraft fasteners, except plastics (including aerospace), including flanged nuts (all types except flanged locknuts), hex square nuts (all types) and sheet metal fasteners	17	X	X	100 631	13	X	X	102 524
3327221172	Aircraft (including aerospace) washers, all types except plastics	15	X	X	25 357	10	X	X	8 427
3327221178	Aircraft (including aerospace) rivets, all types except plastics	10	X	X	171 579	9	X	X	109 622
3327221184	Aircraft (including aerospace) pins, all types except plastics	16	X	X	75 407	21	X	X	44 337
3327221Y	Aircraft (including aerospace) fasteners other than plastics (meet specifications for flying vehicles), nsk	N	X	X	46 862	N	X	X	N
3327221YWV	Aircraft (including aerospace) fasteners other than plastics (meet specifications for flying vehicles), nsk	N	X	X	46 862	N	X	X	649
3327223	Externally threaded metal fasteners, except aircraft types	N	X	X	3 085 720	N	X	X	2 016 014
33272231	Externally threaded metal fasteners, except aircraft types	N	X	X	2 889 071	N	X	X	N
3327223111	Mine roof bolts	14	X	X	159 116	12	X	X	203 850
3327223122	Hex bolts, including heavy, tap-and-joint, excluding high-strength structural and aircraft	66	X	X	366 056	55	X	X	250 177
3327223133	Other metal bolts, including square, round, plow, high-strength structural, and bent bolts (except aircraft types)	93	X	X	459 277	98	X	X	263 662
3327223144	Cap, set, machine, lag, flange, and self-locking screws, except aircraft types	105	X	X	699 957	108	X	X	429 308
3327223155	Tapping screws (including fillister, flat, hex, oval, pan, and truss) and wood screws (including flat, oval, and round) (except aircraft types)	60	X	X	531 301	73	X	X	410 788
3327223199	Other externally threaded metal fasteners, including studs, except aircraft types	121	X	X	673 364	118	X	X	413 645
3327223Y	Externally threaded metal fasteners, except aircraft types, nsk	N	X	X	196 649	N	X	X	N
3327223YWV	Externally threaded metal fasteners, except aircraft types, nsk	N	X	X	196 649	N	X	X	44 584
3327225	Internally threaded metal fasteners, except aircraft types	N	X	X	858 123	N	X	X	557 587
33272251	Internally threaded metal fasteners, except aircraft types	N	X	X	776 816	N	X	X	N
3327225104	Hex nuts, including flanges, double chamfered, washer face, flat, jam, slotted, thick, castle, heavy, machine, and locking (except aircraft types)	70	X	X	288 131	77	X	X	285 999
3327225129	Square nuts (including flat, washer, crowned, heavy, track, sleeve, and machine), sheet metal nuts, weld nuts, wing nuts, nut retainers, etc. (except aircraft types)	25	X	X	46 121	22	X	X	32 388
3327225189	Other internally threaded metal fasteners, including flanged nuts and locknuts (except aircraft types)	59	X	X	442 564	57	X	X	227 328
3327225Y	Internally threaded metal fasteners, except aircraft types, nsk	N	X	X	81 307	N	X	X	N
3327225YWV	Internally threaded metal fasteners, except aircraft types, nsk	N	X	X	81 307	N	X	X	11 872

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
332722	Bolts, nuts, screws, rivets and washers—Con.								
3327227	Nonthreaded metal fasteners, except aircraft types	N	X	X	970 248	N	X	X	669 816
33272271	Nonthreaded metal fasteners, except aircraft types	N	X	X	912 228	N	X	X	N
3327227109	Solid rivets, except aircraft types	46	X	X	117 567	47	X	X	91 826
3327227115	Tubular, split (including rivet caps) and blind rivets, except aircraft types	28	X	X	190 198	32	X	X	134 593
3327227135	Washers, except aircraft types	44	X	X	176 387	47	X	X	166 979
3327227179	Other nonthreaded metal fasteners, including pins (except aircraft types)	75	X	X	428 076	87	X	X	275 508
3327227Y	Nonthreaded metal fasteners, except aircraft types, nsk	N	X	X	58 020	N	X	X	N
3327227YVV	Nonthreaded metal fasteners, except aircraft types, nsk	N	X	X	58 020	N	X	X	910
3327229	Products, other than fasteners, made by cold-heading (or warm- or hot-heading) processes	N	X	X	858 745	N	X	X	538 712
33272291	Products, other than fasteners, made by cold-heading (or warm- or hot-heading) processes	N	X	X	836 450	N	X	X	N
3327229105	Aircraft parts, other than fasteners, made by cold-heading (or warm- or hot-heading) processes	10	X	X	64 632	14	X	X	51 295
3327229115	Automotive parts, other than fasteners, made by cold-heading (or warm- or hot-heading) processes	55	X	X	613 042	44	X	X	287 476
3327229135	Parts for household appliances (including radio and television), other than fasteners, made by cold-heading (or warm- or hot-heading) processes	17	X	X	49 149	21	X	X	31 752
3327229199	Other products (except fasteners) made by cold-heading (or warm- or hot-heading) processes	35	X	X	109 627	49	X	X	167 238
3327229Y	Products, other than fasteners, made by cold-heading (or warm- or hot-heading) processes, nsk	N	X	X	22 295	N	X	X	N
3327229YVV	Products, other than fasteners, made by cold-heading (or warm- or hot-heading) processes, nsk	N	X	X	22 295	N	X	X	951
332722W	Bolts, nuts, rivets, and washers, nsk, total	N	X	X	600 381	N	X	X	304 809
332722WY	Bolts, nuts, rivets, and washers, nsk, total	N	X	X	600 381	N	X	X	N
332722WYWW	Bolts, nuts, rivets, and washers, nsk, for nonadministrative-record establishments	N	X	X	428 559	N	X	X	197 108
332722WYWY	Bolts, nuts, rivets, and washers, nsk, for administrative-record establishments	N	X	X	171 822	N	X	X	107 701
332811	Metal heat treating	N	X	X	3 394 828	N	X	X	1 887 268
3328110	Heat treating of metal for the trade (heat treating, pickling, annealing, brazing, shot peening, tempering, etc.)	N	X	X	3 394 828	N	X	X	1 887 268
33281101	Heat treating of metal for the trade (heat treating, pickling, annealing, brazing, shot peening, tempering, etc.)	N	X	X	3 297 084	N	X	X	N
3328110100	Heat treating of metal for the trade (heat treating, pickling, annealing, brazing, shot peening, tempering, etc.)	529	X	X	3 297 084	N	X	X	N
3328110Y	Heat treating of metal for the trade (heat treating, pickling, annealing, brazing, shot peening, tempering, etc.), nsk	N	X	X	97 744	N	X	X	N
3328110YWW	Heat treating of metal for the trade (heat treating, pickling, annealing, brazing, shot peening, tempering, etc.), nsk, for nonadministrative-record establishments	N	X	X	17 686	N	X	X	N
3328110YWY	Heat treating of metal for the trade (heat treating, pickling, annealing, brazing, shot peening, tempering, etc.), nsk, for administrative-record establishments	N	X	X	80 058	N	X	X	40 330

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
332812	Metal coating and allied services	N	X	X	8 214 631	N	X	X	N
3328120	Metal etching, engraving, coating, and allied services	N	X	X	8 214 631	N	X	X	N
33281201	All other metal coating, including curtain coating and wash coating (including organic coatings, enamels, lacquers, alkyds, plastics, etc.)	N	X	X	1 396 854	N	X	X	N
3328120101	Electronic metal engraving, excluding metal nameplates	23	X	X	38 436	19	X	X	37 988
3328120106	Photo chemical metal etching, including machining (excluding metal nameplates)	58	X	X	234 664	48	X	X	121 767
3328120111	Etching and engraving metal nameplates	58	X	X	98 636	56	X	X	82 752
3328120116	Other engraving and etching, except jewelry and silverware	49	X	X	219 907	N	X	X	N
3328120141	All other metal coating, including curtain coating and wash coating (including organic coatings, enamels, lacquers, alkyds, plastics, etc.)	131	X	X	449 043	135	X	X	291 183
3328120146	Inorganic metal coatings, including porcelain	74	X	X	356 168	107	X	X	292 707
33281202	Metal galvanizing and other hot dip metal coating	N	X	X	2 106 368	N	X	X	N
3328120221	Metal galvanizing and other hot dip metal coating	108	X	X	2 106 368	115	X	X	1 336 869
33281203	Metal coil coating (including organic coatings, enamels, lacquers, alkyds, plastics, etc.)	N	X	X	1 465 856	N	X	X	N
3328120326	Metal coil coating (including organic coatings, enamels, lacquers, alkyds, plastics, etc.)	41	X	X	1 465 856	42	X	X	828 871
33281204	Metal liquid spray coating, including electrostatic coating (including organic coatings, enamels, lacquers, alkyds, plastics, etc.)	N	X	X	897 843	N	X	X	N
3328120431	Metal liquid spray coating, including electrostatic coating (including organic coatings, enamels, lacquers, alkyds, plastics, etc.)	426	X	X	897 843	442	X	X	726 231
33281205	Metal powder coating, including electrostatic and fluidized bed (including organic coatings, enamels, lacquers, alkyds, plastics, etc.)	N	X	X	1 027 662	N	X	X	N
3328120536	Metal powder coating, including electrostatic and fluidized bed (including organic coatings, enamels, lacquers, alkyds, plastics, etc.)	457	X	X	1 027 662	313	X	X	598 893
3328120Y	Metal coating and allied services, nsk, total	N	X	X	1 320 048	N	X	X	N
3328120YWW	Metal coating and allied services, nsk, for nonadministrative-record establishments	N	X	X	1 199 503	N	X	X	N
3328120YWY	Metal coating and allied services, nsk, for administrative-record establishments	N	X	X	120 545	N	X	X	N
332813	Electroplating, plating, polishing, anodizing, and coloring	N	X	X	6 146 442	N	X	X	4 458 128
3328130	Electroplating, plating, polishing, anodizing, and coloring	N	X	X	6 146 442	N	X	X	4 458 128
33281301	Electroplating, plating, polishing, anodizing, and coloring	N	X	X	5 983 720	N	X	X	N
3328130100	Electroplating, plating, polishing, anodizing, and coloring	2 323	X	X	5 983 720	N	X	X	N
3328130Y	Electroplating, plating, polishing, anodizing, and coloring, nsk, total	N	X	X	162 722	N	X	X	N
3328130YWW	Electroplating, plating, polishing, anodizing, and coloring, nsk, for nonadministrative-record establishments	N	X	X	727	N	X	X	N
3328130YWY	Electroplating, plating, polishing, anodizing, and coloring, nsk, for administrative-record establishments	N	X	X	161 995	N	X	X	123 754

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		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
332911	Industrial valves	N	X	X	8 031 977	N	X	X	6 194 131
3329111	Gates, globes, angles, straightway (Y-type) check, stop and check, cross, 3- and 4-way, and other industrial valves	N	X	X	1 317 414	N	X	X	1 139 789
33291111	Gates, globes, angles, straightway (Y-type) check, stop and check, cross, 3- and 4-way, and other industrial valves, except parts	N	X	X	1 096 897	N	X	X	N
3329111101	Iron body gates, globes, angles, straightway (Y-type) check, stop and check, cross, 3- and 4-way, and other industrial valves, including ductile or modular, all pressures (excl. IBBM, AWWA, and UL)	27	X	X	151 528	33	X	X	137 815
3329111103	Cast carbon steel gates, globes, angles, straightway (Y-type) check, stop and check, cross, 3- and 4-way, and other industrial valves	40	X	X	246 593	45	X	X	251 013
3329111105	Forged carbon steel gates, globes, angles, straightway (Y-type) check, stop and check, cross, 3- and 4-way, and other industrial valves	22	X	X	166 262	23	X	X	173 391
3329111107	Alloy steel and other metal gates, globes, angles, straightway (Y-type) check, stop and check, cross, 3- and 4-way, and other industrial valves	54	X	X	274 536	59	X	X	241 834
3329111109	Brass and bronze (125 lb. w.s.p. or more) gates, globes, angles, straightway (Y-type) check, stop and check, cross, 3- and 4-way, and other industrial valves	40	X	X	245 875	44	X	X	235 408
3329111111	Actuators (power-operated, on-off mounted) for gates, globes, angles, straightway (Y-type) check, stop and check, cross, 3- and 4-way, and other industrial valves	9	X	X	12 103	11	X	X	10 670
33291112	Parts for gates, globes, angles, straightway (Y-type) check, stop and check, cross, 3- and 4-way, and other industrial valves	N	X	X	151 393	N	X	X	N
3329111213	Parts for gates, globes, angles, straightway (Y-type) check, stop and check, cross, 3- and 4-way, and other industrial valves	39	X	X	151 393	32	X	X	78 922
3329111Y	Gates, globes, angles, straightway (Y-type) check, stop and check, cross, 3- and 4-way, and other industrial valves, nsk	N	X	X	69 124	N	X	X	N
3329111YWV	Gates, globes, angles, straightway (Y-type) check, stop and check, cross, 3- and 4-way, and other industrial valves, nsk	N	X	X	69 124	N	X	X	10 736
3329113	Industrial valves for water works and municipal equipment (IBBM, AWWA, and UL)	N	X	X	741 713	N	X	X	542 562
33291131	Industrial valves for water works and municipal equipment (IBBM, AWWA, and UL), except parts	N	X	X	681 108	N	X	X	N
3329113101	Industrial IBBM gate line and tapping valves for water works and municipal equipment	8	X	X	286 115	9	X	X	163 696
3329113103	Industrial UL check valves (all pressures) for water works and municipal equipment	8	X	X	15 874	9	X	X	14 195
3329113105	All other industrial UL valves (all pressures), including pest indicators, for water works and municipal equipment	6	X	X	46 474	12	X	X	31 472
3329113107	Tapping sleeves and crosses for industrial valves for water works and municipal equipment (IBBM, AWWA, and UL)	4	X	X	21 305	7	X	X	14 522
3329113109	Fire hydrants	5	X	X	179 544	7	X	X	121 858
3329113111	Industrial AWWA check valves (all pressures) for water works and municipal equipment	12	X	X	36 386	12	X	X	57 678
3329113113	Industrial AWWA butterfly valves (all pressures) for water works and municipal equipment	8	X	X	95 410	9	X	X	79 442
33291132	Parts for industrial valves for water works and municipal equipment (IBBM, AWWA, and UL)	N	X	X	54 484	N	X	X	N
3329113215	Parts for industrial valves for water works and municipal equipment (IBBM, AWWA, and UL)	12	X	X	54 484	11	X	X	51 735
3329113Y	Industrial valves for water works and municipal equipment (IBBM, AWWA, and UL), nsk	N	X	X	6 121	N	X	X	N
3329113YWV	Industrial valves for water works and municipal equipment (IBBM, AWWA, and UL), nsk	N	X	X	6 121	N	X	X	7 964

Table 1. Products Statistics: 1997 and 1992—Con.

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
332911	Industrial valves—Con.								
3329115	Industrial ball valves (all metals, pressures, and types), including manual and power-operated, on-off valves	N	X	X	1 161 437	N	X	X	947 009
33291151	Industrial ball valves (all metals, pressures, and types), including manual and power-operated, on-off valves, except parts	N	X	X	994 946	N	X	X	N
3329115101	Industrial iron (including ductile) ball valves (all pressures and types), manual and power-operated, on-off valves	11	X	X	80 974	19	X	X	47 329
3329115103	Industrial brass and bronze ball valves (all pressures and types), including manual and power-operated, on-off valves	26	X	X	254 258	36	X	X	178 235
3329115105	Industrial carbon steel (cast and fabricated) ball valves (all pressures and types), including manual and power-operated, on-off valves	31	X	X	365 309	29	X	X	268 634
3329115107	Industrial alloy steel and other metal ball valves (all pressures and types), including manual and power-operated, on-off valves	27	X	X	212 696	31	X	X	278 100
3329115109	Actuators (power-operated, on-off mounted) for industrial ball valves (all metals, pressures, and types)	19	X	X	81 709	14	X	X	70 145
33291152	Parts for industrial ball valves (all metals, pressures, and types), including manual and power-operated, on-off valves	N	X	X	162 525	N	X	X	N
3329115211	Parts for industrial ball valves (all metals, pressures, and types), including manual and power-operated, on-off valves	28	X	X	162 525	25	X	X	103 445
3329115Y	Industrial ball valves (all metals, pressures, and types), including manual and power-operated, on-off valves, nsk	N	X	X	3 966	N	X	X	N
3329115YWV	Industrial ball valves (all metals, pressures, and types), including manual and power-operated, on-off valves, nsk	N	X	X	3 966	N	X	X	1 121
3329117	Industrial butterfly valves (all metals, pressures, and types), including manual and power-operated, on-off valves	N	X	X	491 396	N	X	X	376 045
33291171	Industrial butterfly valves (all metals, pressures, and types), including manual and power-operated, on-off valves, except parts	N	X	X	457 473	N	X	X	N
3329117101	Industrial iron (including ductile) butterfly valves, except high-pressure types, including elastomer and fluorochemicals lined, manual and power-operated, on-off valves	20	X	X	119 512	28	X	X	89 627
3329117103	Industrial brass and bronze butterfly valves, except high-pressure types, including elastomer and fluorochemicals lined, manual and power-operated, on-off valves	7	X	X	23 399	8	X	X	26 161
3329117105	Industrial carbon steel (cast and fabricated) butterfly valves, except high-pressure types, including elastomer and fluorochemicals lined, manual and power-operated, on-off valves	14	X	X	121 176	14	X	X	59 797
3329117107	Industrial alloy steel and other metal butterfly valves, except high-pressure types, including elastomer and fluorochemicals lined, manual and power-operated, on-off valves	13	X	X	30 307	18	X	X	18 642
3329117109	Industrial high-pressure iron butterfly valves (shut-off to full ANSI class ratings), manual and power-operated, on-off valves	5	X	X	23 603	3	X	X	N
3329117111	Industrial high-pressure carbon steel (cast and fabricated) butterfly valves (shut-off to full ANSI class ratings), manual and power-operated, on-off valves	7	X	X	38 177	12	X	X	N
3329117113	Industrial high-pressure alloy steel and other metal butterfly valves (shut-off to full ANSI class ratings), manual and power-operated, on-off valves	11	X	X	60 291	15	X	X	49 733
3329117115	Industrial butterfly valve actuators (power-operated, on-off mounted)	12	X	X	41 008	13	X	X	55 378
33291172	Parts for industrial butterfly valves (all metals, pressures, and types), including manual and power-operated, on-off valves	N	X	X	31 490	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
332911	Industrial valves—Con.								
3329117	Industrial butterfly valves (all metals, pressures, and types), including manual and power-operated, on-off valves—Con.								
33291172	Parts for industrial butterfly valves (all metals, pressures, and types), including manual and power-operated, on-off valves—Con.								
3329117217	Parts for industrial butterfly valves (all metals, pressures, and types), including manual and power-operated, on-off valves	14	X	X	31 490	9	X	X	21 639
3329117Y	Industrial butterfly valves (all metals, pressures, and types), including manual and power-operated, on-off valves, nsk	N	X	X	2 433	N	X	X	N
3329117YVW	Industrial butterfly valves (all metals, pressures, and types), including manual and power-operated, on-off valves, nsk	N	X	X	2 433	N	X	X	2 380
3329119	Industrial plug valves (all metals, pressures, and types), such as lubricated, cylindrical eccentric, and sleeve-lined	N	X	X	359 633	N	X	X	274 622
33291191	Industrial plug valves (all metals, pressures, and types), such as lubricated, cylindrical eccentric, and sleeve-lined, except parts	N	X	X	D	N	X	X	N
3329119101	Industrial iron (including ductile) plug valves (all pressures and types), such as lubricated, cylindrical eccentric, and sleeve-lined	15	X	X	110 738	13	X	X	82 321
3329119103	Industrial carbon steel plug valves (all pressures and types), such as lubricated, cylindrical eccentric, and sleeve-lined	18	X	X	108 258	17	X	X	88 415
3329119105	Industrial alloy steel and other metal plug valves (all pressures and types), such as lubricated, cylindrical eccentric, and sleeve-lined	22	X	X	102 077	19	X	X	81 701
3329119107	Industrial plug valve actuators (power-operated, on-off mounted)	3	X	X	D	4	X	X	D
33291192	Parts for industrial plug valves (all metals, pressures, and types), such as lubricated, cylindrical eccentric, and sleeve-lined	N	X	X	D	N	X	X	N
3329119209	Parts for industrial plug valves (all metals, pressures, and types), such as lubricated, cylindrical eccentric, and sleeve-lined	10	X	X	D	8	X	X	12 473
3329119Y	Industrial plug valves (all metals, pressures, and types), such as lubricated, cylindrical eccentric, and sleeve-lined, nsk	N	X	X	—	N	X	X	N
3329119YVW	Industrial plug valves (all metals, pressures, and types), such as lubricated, cylindrical eccentric, and sleeve-lined, nsk	N	X	X	—	N	X	X	D
332911B	Industrial valves, nec	N	X	X	1 016 097	N	X	X	669 012
332911B1	Other industrial valves	N	X	X	980 329	N	X	X	N
332911B101	Industrial valve cocks and stops (all metals, pressures, and types)	9	X	X	22 817	11	X	X	15 684
332911B103	Industrial diaphragm and pinch valves, including operators (all metals, pressures, and types), except automatic valves	13	X	X	76 073	11	X	X	50 677
332911B105	Industrial iron and steel pop safety valves and relief valves (more than 15 lb. w.s.p.)	19	X	X	208 348	19	X	X	152 587
332911B107	Industrial brass and bronze pop safety valves and relief valves (more than 15 lb. w.s.p.)	13	X	X	102 061	19	X	X	66 874
332911B109	Industrial compressed gas cylinder valves	11	X	X	117 458	9	X	X	89 495
332911B111	Industrial valve steam traps (more than 15 lb. w.s.p.)	6	X	X	D	5	X	X	D
332911B113	Industrial thru conduit pipeline valves	2	X	X	D	3	X	X	D
332911B115	Actuators for all other industrial valves, nec, sold separately (power-operated, on-off mounted)	16	X	X	144 311	8	X	X	32 411
332911B117	Other industrial metal valves, excluding control valves, regulators, and solenoid valves	46	X	X	251 140	44	X	X	157 690
332911BY	Industrial valves, nec, nsk	N	X	X	35 768	N	X	X	N
332911BYVW	Industrial valves, nec, nsk	N	X	X	35 768	N	X	X	62 503

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
332911	Industrial valves—Con.								
332911D	Nuclear valves (N-stamp only)	N	X	X	36 622	N	X	X	100 372
332911D1	Nuclear valves (N-stamp only), except parts	N	X	X	25 289	N	X	X	N
332911D101	Nuclear cast-carbon steel and low alloy gate, globe, and check valves (N-stamp only)	3	X	X	1 440	11	X	X	26 584
332911D103	Nuclear forged-carbon steel and low alloy gate, globe, and check valves (N-stamp only)	1	X	X	D	6	X	X	5 480
332911D105	Nuclear corrosion-resistant alloy steel gate, globe, and check valves (N-stamp only)	2	X	X	D	7	X	X	19 222
332911D107	Nuclear ball valves, butterfly valves, and plug valves (on-off, N-stamp only)	4	X	X	3 331	5	X	X	5 812
332911D109	Nuclear valve actuators (mounted power-operated, on-off) (N-stamp only)	1	X	X	D	4	X	X	8 633
332911D111	Nuclear automated control valves (N-stamp only)	2	X	X	D	5	X	X	4 577
332911D2	Parts for nuclear valves (N-stamp only)	N	X	X	9 435	N	X	X	N
332911D213	Parts for nuclear valves (N-stamp only)	8	X	X	9 435	10	X	X	27 401
332911DY	Nuclear valves (N-stamp only), nsk	N	X	X	1 898	N	X	X	N
332911DYWV	Nuclear valves (N-stamp only), nsk	N	X	X	1 898	N	X	X	2 663
332911F	Automatic regulating and control valves and parts (except nuclear), power-operated, designed for modulating (throttling) service @	N	X	X	2 134 578	N	X	X	1 585 247
332911F1	Automatic regulating and control valves and parts (except nuclear), power-operated, designed for modulating (throttling) service	N	X	X	2 134 578	N	X	X	N
332911F100	Automatic regulating and control valves and parts (except nuclear), power-operated, designed for modulating (throttling) service	107	X	X	2 134 578	118	X	X	1 585 247
332911H	Solenoid-operated valves and parts, except nuclear and fluid power transfer @	N	X	X	485 022	N	X	X	393 413
332911H1	Solenoid-operated valves and parts, except nuclear and fluid power transfer	N	X	X	485 022	N	X	X	N
332911H100	Solenoid-operated valves and parts, except nuclear and fluid power transfer	33	X	X	485 022	33	X	X	393 413
332911W	Industrial valves, nsk, total	N	X	X	288 065	N	X	X	166 060
332911WY	Industrial valves, nsk, total	N	X	X	288 065	N	X	X	N
332911WYWV	Industrial valves, nsk, for nonadministrative-record establishments	N	X	X	137 832	N	X	X	132 729
332911WYWY	Industrial valves, nsk, for administrative-record establishments	N	X	X	150 233	N	X	X	33 331
332912	Fluid power valves and hose fittings	N	X	X	6 285 684	N	X	X	N
3329121	Aerospace type hydraulic fluid power valves @	N	X	X	672 902	N	X	X	N
33291211	Aerospace type hydraulic fluid power valves	N	X	X	672 902	N	X	X	N
3329121100	Aerospace type hydraulic fluid power valves	59	X	X	672 902	N	X	X	N
3329123	Aerospace type pneumatic fluid power valves @	N	X	X	499 415	N	X	X	N
33291231	Aerospace type pneumatic fluid power valves	N	X	X	499 415	N	X	X	N
3329123100	Aerospace type pneumatic fluid power valves	39	X	X	499 415	N	X	X	N
3329125	Nonaerospace type hydraulic directional control valves @	N	X	X	536 935	N	X	X	314 608
33291251	Nonaerospace type hydraulic directional control valves	N	X	X	536 935	N	X	X	N
3329125100	Nonaerospace type hydraulic directional control valves	53	X	X	536 935	64	X	X	314 608
3329127	Nonaerospace type hydraulic valves, except directional control @	N	X	X	719 670	N	X	X	374 522
33291271	Nonaerospace type hydraulic valves, except directional control	N	X	X	719 670	N	X	X	N
3329127100	Nonaerospace type hydraulic valves, except directional control	53	X	X	719 670	52	X	X	374 522

Table 1. **Products Statistics: 1997 and 1992—Con.**

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NAICS product code	Product	1997				1992			
		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
332912	Fluid power valves and hose fittings—Con.								
3329129	Nonaerospace type pneumatic directional control valves @	N	X	X	619 943	N	X	X	324 237
33291291	Nonaerospace type pneumatic directional control valves	N	X	X	619 943	N	X	X	N
3329129100	Nonaerospace type pneumatic directional control valves	42	X	X	619 943	47	X	X	324 237
332912B	Nonaerospace type pneumatic valves, except directional control @	N	X	X	192 604	N	X	X	125 921
332912B1	Nonaerospace type pneumatic valves, except directional control	N	X	X	192 604	N	X	X	N
332912B100	Nonaerospace type pneumatic valves, except directional control	40	X	X	192 604	41	X	X	125 921
332912D	Parts for fluid power valves @	N	X	X	212 581	N	X	X	136 986
332912D1	Parts for fluid power valves	N	X	X	212 581	N	X	X	N
332912D100	Parts for fluid power valves	53	X	X	212 581	65	X	X	136 986
332912F	Aerospace type hydraulic and pneumatic fluid power hose or tube end fittings and assemblies @	N	X	X	541 440	N	X	X	N
332912F1	Aerospace type hydraulic and pneumatic fluid power hose or tube end fittings and assemblies	N	X	X	541 440	N	X	X	N
332912F100	Aerospace type hydraulic and pneumatic fluid power hose or tube end fittings and assemblies	36	X	X	541 440	N	X	X	N
332912H	Nonaerospace type flared (metal) fittings, couplings for, and assemblies of tubing used in fluid power transfer systems @	N	X	X	389 751	N	X	X	189 688
332912H1	Nonaerospace type flared (metal) fittings, couplings for, and assemblies of tubing used in fluid power transfer systems	N	X	X	389 751	N	X	X	N
332912H100	Nonaerospace type flared (metal) fittings, couplings for, and assemblies of tubing used in fluid power transfer systems	30	X	X	389 751	19	X	X	189 688
332912J	Nonaerospace type flareless fittings and couplings, including nonmetal fittings, used in fluid power transfer systems @	N	X	X	512 409	N	X	X	339 868
332912J1	Nonaerospace type flareless fittings and couplings, including nonmetal fittings, used in fluid power transfer systems	N	X	X	512 409	N	X	X	N
332912J100	Nonaerospace type flareless fittings and couplings, including nonmetal fittings, used in fluid power transfer systems	27	X	X	512 409	26	X	X	339 868
332912L	Nonaerospace type hydraulic and pneumatic fittings and couplings for hose @	N	X	X	849 786	N	X	X	421 300
332912L1	Nonaerospace type hydraulic and pneumatic fittings and couplings for hose	N	X	X	849 786	N	X	X	N
332912L100	Nonaerospace type hydraulic and pneumatic fittings and couplings for hose	53	X	X	849 786	50	X	X	421 300
332912N	Nonaerospace type hydraulic and pneumatic assemblies of hose @	N	X	X	289 050	N	X	X	238 550
332912N1	Nonaerospace type hydraulic and pneumatic assemblies of hose	N	X	X	289 050	N	X	X	N
332912N100	Nonaerospace type hydraulic and pneumatic assemblies of hose	28	X	X	289 050	29	X	X	238 550
332912W	Fluid power valves and hose fittings, nsk, total	N	X	X	249 198	N	X	X	N
332912WY	Fluid power valves and hose fittings, nsk, total	N	X	X	249 198	N	X	X	N
332912WYWW	Fluid power valves and hose fittings, nsk, for nonadministrative-record establishments	N	X	X	107 006	N	X	X	N
332912WYWY	Fluid power valves and hose fittings, nsk, for administrative-record establishments	N	X	X	142 192	N	X	X	N
332913	Plumbing fixture fittings and trim	N	X	X	3 643 158	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
332913	Plumbing fixture fittings and trim—Con.								
3329131	Single lever plumbing fixture controls, two or three handle bath or shower fittings, and antiscald bath or shower valves (brass goods)	N	X	X	1 141 480	N	X	X	788 772
33291311	Lavatory single lever controls (metallic and nonmetallic)	N	X	X	174 589	N	X	X	N
3329131101	Lavatory single lever controls (metallic and nonmetallic)	17	X	P4.5	174 589	15	X	5.1	150 925
33291312	Kitchen single lever controls, nonmetal	N	X	X	227 745	N	X	X	N
3329131206	Kitchen with spray single lever controls (metallic and nonmetallic)	14	X	2.7	128 641	12	X	3.7	140 682
3329131211	Kitchen without spray single lever controls (metallic and nonmetallic)	13	X	2.8	99 104	10	X	2.2	69 308
33291313	Other single lever controls, including mechanical tub filler and shower control only	N	X	X	180 057	N	X	X	N
3329131316	Shower combination single lever controls, mechanical	11	X	P.9	53 995	10	X	3.2	55 323
3329131321	Shower-tub combination single lever controls, mechanical	9	X	1.0	54 670	9	X	2.5	75 830
3329131326	Other single lever controls, including mechanical tub filler and shower control only	8	X	X	71 392	N	X	X	N
33291314	Two or three handle bath or shower fittings, and antiscald bath or shower valves (brass goods)	N	X	X	559 089	N	X	X	N
3329131431	Two and three handle bathtub fillers	12	X	X	35 944	15	X	X	34 482
3329131436	Two and three handle shower fittings with shower heads	16	X	X	44 694	18	X	X	36 349
3329131441	Two and three handle shower heads sold separately	12	X	X	46 972	11	X	X	35 892
3329131446	Two and three handle bathtub and shower diverter spout	15	X	X	24 859	16	X	X	31 389
3329131451	Two and three handle bathtub and shower three valve diverter	17	X	X	52 517	14	X	X	47 308
3329131456	Two and three handle personal showers (handheld)	9	X	X	25 180	7	X	X	24 242
3329131461	Two and three handle tub and shower control only	2	X	X	D	7	X	X	6 691
3329131466	Other two and three handle bath and shower fittings, including stall and gang	9	X	X	D	9	X	X	11 621
3329131468	Antiscald bath and shower valves, including thermostatic, thermo-pressure, and pressure balanced controlled fittings	15	X	X	312 368	N	X	X	N
3329131Y	Single lever plumbing fixture controls, two or three handle bath or shower fittings, and antiscald bath or shower valves (brass goods), nsk	N	X	X	—	N	X	X	N
3329131YWV	Single lever plumbing fixture controls, two or three handle bath or shower fittings, and antiscald bath or shower valves (brass goods), nsk	N	X	X	—	N	X	X	6 891
3329133	Lavatory and sink fittings (except single control), including drains and overflows (brass goods)	N	X	X	843 751	N	X	X	578 803
33291331	Faucet deck sink fittings	N	X	X	162 971	N	X	X	N
3329133131	3 in. to 4 in. deck faucet sink fittings, exposed type (rough or plated, with or without hose end), excluding double laundry-tray faucets	14	X	X	26 177	15	X	X	33 744
3329133136	6 in. to 8 in. deck faucet sink fittings, exposed type, with spray (metallic and nonmetallic)	13	X	X	36 946	13	X	X	45 483
3329133141	6 in. to 8 in. deck faucet sink fittings, exposed type, without spray (metallic and nonmetallic)	10	X	X	D	14	X	X	31 466
3329133146	Deck faucet sink fittings, concealed type, with spray	4	X	X	D	10	X	X	35 847
3329133151	Deck faucet sink fittings, concealed type, without spray	8	X	X	58 049	9	X	X	22 542
33291332	Other lavatory and sink fittings	N	X	X	680 780	N	X	X	N
3329133201	Metallic and nonmetallic lavatory fittings (except basin cocks and single control), 4-in. center-set with pop-up drain	17	X	X	234 389	N	X	X	N
3329133206	Metallic and nonmetallic lavatory fittings (except basin cocks and single control), 4-in. center-set without pop-up drain	13	X	X	55 856	N	X	X	N
3329133211	Lavatory fittings (except basin cocks and single control), greater than 4 in., with pop-up drain (metallic and nonmetallic)	14	X	X	72 219	15	X	X	71 101

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
332913	Plumbing fixture fittings and trim—Con.								
3329133	Lavatory and sink fittings (except single control), including drains and overflows (brass goods)—Con.								
33291332 3329133216	Other lavatory and sink fittings—Con. Lavatory fittings (except basin cocks and single control), greater than 4 in., without pop-up drain (metallic and nonmetallic).....	7	X	X	19 925	12	X	X	9 909
3329133221	Lavatory and sink basin cocks (one supply line only)	11	X	X	20 822	7	X	X	4 865
3329133226	Wallmount combination sink faucet fittings	14	X	X	30 050	14	X	X	24 163
3329133256	Single sink faucet fittings (solid flanged female and adjustable male flange)	6	X	X	20 789	6	X	X	6 567
3329133261	Other sink fittings (including sink strainers sold separately)	18	X	X	56 624	11	X	X	11 093
3329133266	Drains and overflows (metallic and nonmetallic), including pop-up drains for bath and shower, lavatory, and sink	25	X	X	170 106	22	X	X	45 959
3329133Y	Lavatory and sink fittings (except single control), including drains and overflows (brass goods), nsk	N	X	X	—	N	X	X	N
3329133YVV	Lavatory and sink fittings (except single control), including drains and overflows (brass goods), nsk	N	X	X	—	N	X	X	16 852
3329137	Miscellaneous plumbing fixtures, fittings, and trim (brass goods)	N	X	X	1 655 265	N	X	X	N
33291371	Other miscellaneous items and accessories, including water closet tank, flushing controls, double laundry-tray faucets, and solder connecting fittings	N	X	X	1 216 364	N	X	X	N
3329137101	IPS mechanical connecting plumbing fittings	5	X	X	15 103	5	X	X	17 263
3329137106	Plumbing compression stops, including those with drains	8	X	9.2	69 277	10	X	D	D
3329137111	Sediment, hydrant, lawn, hose bibb, and sill cock faucets	5	X	8.0	82 195	6	X	4.8	33 860
3329137116	Metallic and nonmetallic plumbing P-traps	8	X	X	48 163	N	X	X	N
3329137121	Metallic and nonmetallic plumbing S-traps	5	X	X	28 387	N	X	X	N
3329137131	Flushometer valves and flush valves (for gravity-type flush tanks)	8	X	X	112 854	9	X	X	72 539
3329137141	Other miscellaneous items and accessories (including water closet tank, flushing controls, double laundry-tray faucets, and solder connecting fittings)	64	X	X	860 385	N	X	X	N
33291372	Lawn hose nozzles and lawn sprinklers	N	X	X	438 901	N	X	X	N
3329137224	Lawn hose nozzles	6	X	X	D	N	X	X	N
3329137226	Lawn sprinklers	11	X	X	D	N	X	X	N
3329137Y	Miscellaneous plumbing fixtures, fittings, and trim (brass goods), nsk	N	X	X	—	N	X	X	N
3329137YVV	Miscellaneous plumbing fixtures, fittings, and trim (brass goods), nsk	N	X	X	—	N	X	X	N
332913W	Plumbing fixture fittings and trim, nsk, total	N	X	X	2 662	N	X	X	N
332913WY	Plumbing fixture fittings and trim, nsk, total	N	X	X	2 662	N	X	X	N
332913WYWW	Plumbing fixture fittings and trim, nsk, for nonadministrative-record establishments	N	X	X	2 662	N	X	X	N
332913WYWY	Plumbing fixture fittings and trim, nsk, for administrative-record establishments	N	X	X	—	N	X	X	N
332919	Other metal valves and pipe fittings	N	X	X	2 619 007	N	X	X	N
3329191	Plumbing and heating valves and specialties, except plumbers' brass goods	N	X	X	541 652	N	X	X	N
33291911	Metal aerosol valves	N	X	X	146 728	N	X	X	N
3329191101	Metal aerosol valves	13	X	X	146 728	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
332919	Other metal valves and pipe fittings—Con.								
3329191	Plumbing and heating valves and specialties, except plumbers' brass goods—Con.								
33291912	Plumbing and heating valves, including specialties and parts	N	X	X	389 598	N	X	X	N
3329191203	Plumbing and heating check valves, except plumbers' brass goods	13	X	X	43 298	12	X	X	29 029
3329191205	All other plumbing and heating valves (less than 125 lb w.s.p.), except plumbers' brass goods	15	X	X	D	17	X	X	66 565
3329191207	Plumbing and heating valve specialties, except plumbers' brass goods	16	X	X	213 197	18	X	X	118 207
3329191209	Parts for plumbing and heating valves and specialties, except plumbers' brass goods	7	X	X	D	13	X	X	51 415
3329191Y	Plumbing and heating valves and specialties, except plumbers' brass goods, nsk	N	X	X	5 326	N	X	X	N
3329191YV	Plumbing and heating valves and specialties, except plumbers' brass goods, nsk	N	X	X	5 326	N	X	X	N
3329193	Metal fittings, flanges, and unions for piping systems	N	X	X	1 813 262	N	X	X	N
33291931	Iron fittings, flanges, and unions for piping systems, including gray, malleable and ductile types	N	X	X	411 854	N	X	X	N
3329193101	Gray iron fittings, flanges, and unions for piping systems	9	X	X	138 238	11	X	X	86 220
3329193103	Gray iron grooved fittings and couplings for piping systems	3	X	X	D	4	X	X	9 932
3329193105	Malleable iron fittings and flanges (including reducers, caps, etc.) for piping systems	6	X	X	138 421	9	X	X	101 275
3329193107	Malleable iron grooved fittings and couplings for piping systems	3	X	X	D	4	X	X	D
3329193109	Malleable iron unions and union fittings for piping systems	4	X	X	45 084	9	X	X	32 458
3329193111	Ductile iron fittings, flanges, and unions for piping systems	5	X	X	23 420	7	X	X	26 644
3329193113	Ductile iron grooved fittings and couplings for piping systems	5	X	X	19 473	5	X	X	22 084
33291932	Copper, copper alloy brass and bronze fittings, flanges, and unions or piping systems, including solder and threaded types	N	X	X	361 298	N	X	X	N
3329193215	Cast brass or bronze fittings, flanges, and unions for piping systems, including solder and threaded types	17	X	X	94 483	29	X	X	106 919
3329193217	Wrought copper and wrought copper alloy fittings, flanges, and unions for piping systems, including solder and threaded types	13	X	X	266 815	14	X	X	205 683
33291933	Other metal fittings, flanges, and unions, including metal framing and fittings for mechanical and electrical supports	N	X	X	1 040 110	N	X	X	N
3329193319	Cast carbon and alloy steel fittings, flanges, and unions for piping systems	8	X	X	48 728	14	X	X	26 110
3329193321	Forged carbon, alloy, and stainless steel fittings, flanges, and unions for piping systems, including socket-weld or threaded-type	26	X	X	204 541	22	X	X	161 758
3329193323	Forged carbon steel butt-welding type flanges for piping systems	12	X	X	59 984	14	X	X	48 856
3329193325	Forged alloy steel butt-welding type flanges for piping systems	6	X	X	9 100	8	X	X	16 365
3329193327	Forged stainless steel butt-welding type flanges for piping systems	15	X	X	45 659	12	X	X	27 520
3329193329	Forged carbon steel butt-welding type fittings for piping systems	10	X	X	20 451	9	X	X	38 215
3329193331	Forged alloy steel butt-welding type fittings for piping systems	6	X	X	9 266	2	X	X	D
3329193333	Forged stainless steel butt-welding type fittings for piping systems	20	X	X	89 359	16	X	X	57 150
3329193335	Metal pipe couplings	24	X	X	186 677	22	X	X	98 689
3329193336	Hose fittings and couplings, excluding fittings and couplings used in fluid power systems	30	X	X	117 580	31	X	X	104 042
3329193337	Other metal fittings, flanges, and unions, including metal framing and fittings for mechanical and electrical supports	43	X	X	248 765	36	X	X	123 987
3329193Y	Metal fittings, flanges, and unions for piping systems, nsk	N	X	X	—	N	X	X	N
3329193YV	Metal fittings, flanges, and unions for piping systems, nsk	N	X	X	—	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
332919	Other metal valves and pipe fittings—Con.								
332919W	Other metal valves and pipe fittings, nsk, total	N	X	X	264 093	N	X	X	N
332919WY	Other metal valves and pipe fittings, nsk, total	N	X	X	264 093	N	X	X	N
332919WYWW	Other metal valves and pipe fittings, nsk, for nonadministrative-record establishments	N	X	X	220 443	N	X	X	N
332919WYWY	Other metal valves and pipe fittings, nsk, for administrative-record establishments	N	X	X	43 650	N	X	X	N
332991	Ball and roller bearings	N	X	X	5 934 983	N	X	X	4 140 180
3329911	Ball bearings, complete, unmounted @	N	X	X	2 107 110	N	X	X	1 556 611
33299110	Ball bearings, complete, unmounted	N	X	X	2 107 110	N	X	X	N
3329911000	Ball bearings, complete, unmounted	51	X	X	2 107 110	58	X	X	1 556 611
3329913	Tapered roller bearings (including cups and cones), unmounted @	N	X	X	1 470 822	N	X	X	936 148
33299130	Tapered roller bearings (including cups and cones), unmounted	N	X	X	1 470 822	N	X	X	N
3329913000	Tapered roller bearings (including cups and cones), unmounted	14	X	X	1 470 822	11	X	X	936 148
3329915	Roller bearings, except tapered, unmounted @	N	X	X	1 171 970	N	X	X	810 443
33299150	Roller bearings, except tapered, unmounted	N	X	X	1 171 970	N	X	X	N
3329915000	Roller bearings, except tapered, unmounted	24	X	X	1 171 970	29	X	X	810 443
3329917	Mounted bearings, except plain @	N	X	X	475 039	N	X	X	359 446
33299170	Mounted bearings, except plain	N	X	X	475 039	N	X	X	N
3329917000	Mounted bearings, except plain	17	X	X	475 039	20	X	X	359 446
3329919	Parts and components for ball and roller bearings, except cups and cones (including ball and rollers sold separately) @	N	X	X	648 035	N	X	X	429 365
33299190	Parts and components for ball and roller bearings, except cups and cones (including ball and rollers sold separately)	N	X	X	648 035	N	X	X	N
3329919000	Parts and components for ball and roller bearings, except cups and cones (including ball and rollers sold separately)	35	X	X	648 035	47	X	X	429 365
332991W	Ball and roller bearings, nsk, total	N	X	X	62 007	N	X	X	48 167
332991WY	Ball and roller bearings, nsk, total	N	X	X	62 007	N	X	X	N
332991WYWW	Ball and roller bearings, nsk, for nonadministrative-record establishments	N	X	X	24 243	N	X	X	37 199
332991WYWY	Ball and roller bearings, nsk, for administrative-record establishments	N	X	X	37 764	N	X	X	10 968
332992	Small arms ammunition	N	X	X	889 302	N	X	X	905 032
3329920	Small arms ammunition, 30 mm or less (or 1.18 in. or less) for small firearms (rifles, shotguns, and sidearms)	N	X	X	889 302	N	X	X	905 032
33299201	Rimfire rifle-pistol cartridges (30 mm or less, 1.18 in. or less)	N	X	X	112 076	N	X	X	N
3329920101	Rimfire rifle-pistol cartridges (30 mm or less, 1.18 in. or less)	3	X	S	112 076	4	X	3 000.9	60 532
33299202	Centerfire rifle cartridges (30 mm or less, 1.18 in. or less)	N	X	X	101 009	N	X	X	N
3329920206	Centerfire rifle cartridges (30 mm or less, 1.18 in. or less)	6	X	270.1	101 009	7	X	554.0	188 523
33299203	Centerfire pistols, including cartridges interchangeable between rifles and pistols (30 mm or less, 1.18 in. or less)	N	X	X	166 664	N	X	X	N
3329920311	Centerfire pistols, including cartridges interchangeable between rifles and pistols (30 mm or less, 1.18 in. or less)	8	X	1 148.7	166 664	8	X	875.0	132 380
33299204	Shotgun shells (30 mm or less, 1.18 in. or less)	N	X	X	187 936	N	X	X	N
3329920416	Shotgun shells (30 mm or less, 1.18 in. or less)	4	X	1 018.9	187 936	5	X	981.5	176 870
33299205	Small arms ammunition primers (30 mm or less, 1.18 in. or less)	N	X	X	28 295	N	X	X	N
3329920521	Small arms ammunition primers (30 mm or less, 1.18 in. or less)	4	X	2 221.6	28 295	4	X	2 027.8	25 827

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
332992	Small arms ammunition—Con.								
3329920	Small arms ammunition, 30 mm or less (or 1.18 in. or less) for small firearms (rifles, shotguns, and sidearms)—Con.								
33299206	All other small arms ammunition components, including wads, shot cases (primed or unprimed), bullets, bullet jackets, and cases (30 mm or less, 1.18 in. or less)	N	X	X	157 183	N	X	X	N
3329920626	All other small arms ammunition components, including wads, shot cases (primed or unprimed), bullets, bullet jackets, and cases (30 mm or less, 1.18 in. or less)	21	X	X	157 183	16	X	X	134 184
33299207	Other small arms ammunition products, including industrial shells and cartridges, air gun ammunition, and percussion caps (30 mm or less, 1.18 in. or less)	N	X	X	101 388	N	X	X	N
3329920731	Other small arms ammunition products, including industrial shells and cartridges, air gun ammunition, and percussion caps (30 mm or less, 1.18 in. or less)	13	X	X	101 388	9	X	X	158 638
3329920Y	Small arms ammunition, nsk	N	X	X	34 751	N	X	X	N
3329920YWW	Small arms ammunition, nsk, for nonadministrative-record establishments	N	X	X	13 311	N	X	X	11 721
3329920YWY	Small arms ammunition, nsk, for administrative-record establishments	N	X	X	21 440	N	X	X	16 357
332993	Ammunition (except small arms), nec	N	X	X	1 300 772	N	X	X	2 355 504
3329931	Artillery ammunition (more than 30 mm, more than 1.18 in.)	N	X	X	647 163	N	X	X	1 028 393
33299311	Artillery ammunition (more than 30 mm, more than 1.18 in.)	N	X	X	647 163	N	X	X	N
3329931101	Complete artillery rounds, loaded (more than 30 mm, more than 1.18 in.)	6	X	X	279 288	5	X	X	D
3329931106	Artillery ammunition steel cases only (more than 30 mm, more than 1.18 in.)	4	X	X	29 462	4	X	X	70 962
3329931111	Artillery ammunition projectile metal parts (more than 30 mm, more than 1.18 in.)	4	X	X	115 359	12	X	X	178 935
3329931116	Other artillery ammunition components, including primers, fuses, boosters, and nonsteel cases (more than 30 mm, more than 1.18 in.)	13	X	X	154 979	14	X	X	261 319
3329931121	Receipts for artillery ammunition loading and assembly (more than 30 mm, more than 1.18 in.)	5	X	X	68 075	5	X	X	84 477
3329931Y	Artillery ammunition (more than 30 mm, more than 1.18 in.), nsk	N	X	X	—	N	X	X	N
3329931YWV	Artillery ammunition (more than 30 mm, more than 1.18 in.), nsk	N	X	X	—	N	X	X	D
3329933	Ammunition (except for small arms), nec	N	X	X	651 375	N	X	X	1 322 370
33299331	Bombs, depth charges, mines, torpedoes, etc., and parts	N	X	X	440 346	N	X	X	N
3329933101	Bombs, depth charges, mines, torpedoes, etc., and parts	18	X	X	440 346	27	X	X	N
33299332	Rockets (other than guided missiles) and parts	N	X	X	211 029	N	X	X	N
3329933206	Rockets (other than guided missiles) and parts	10	X	X	211 029	7	X	X	N
3329933Y	Ammunition (except for small arms), nec, nsk	N	X	X	—	N	X	X	N
3329933YWV	Ammunition (except for small arms), nec, nsk	N	X	X	—	N	X	X	21 618
332993W	Ammunition (except small arms), nec, nsk, total	N	X	X	2 234	N	X	X	4 741
332993WY	Ammunition (except for small arms), nec, nsk, total	N	X	X	2 234	N	X	X	N
332993WYWW	Ammunition (except for small arms), nec, nsk, for nonadministrative-record establishments	N	X	X	—	N	X	X	3 294
332993WYWY	Ammunition (except for small arms), nec, nsk, for administrative-record establishments	N	X	X	2 234	N	X	X	1 250

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
332994	Small arms	N	X	X	1 172 618	N	X	X	1 273 319
3329941	Machine guns (30 mm or less, 1.18 in. or less)	N	X	X	109 852	N	X	X	256 215
33299411	Machine guns (30 mm or less, 1.18 in. or less)	N	X	X	109 852	N	X	X	N
3329941100	Machine guns (30 mm or less, 1.18 in. or less)	3	X	S	109 852	6	X	1.4	256 215
3329943	Small arms (30 mm or less, 1.18 in. or less)	N	X	X	1 008 730	N	X	X	949 583
33299431	Centerfire pistols and revolvers, overall length 6 in. or less (30 mm or less, 1.18 in. or less)	N	X	X	91 288	N	X	X	N
3329943101	Centerfire pistols and revolvers, overall length 6 in. or less (30 mm or less, 1.18 in. or less)	14	X	S	91 288	13	X	10.8	115 607
33299432	All other centerfire pistols and revolvers, including units with interchangeable barrels (30 mm or less, 1.18 in. or less)	N	X	X	170 050	N	X	X	N
3329943206	All other centerfire pistols and revolvers, including units with interchangeable barrels (30 mm or less, 1.18 in. or less)	11	X	S	170 050	7	X	S	164 706
33299433	Rimfire pistols and revolvers (30 mm or less, 1.18 in. or less)	N	X	X	27 250	N	X	X	N
3329943311	Rimfire pistols and revolvers (30 mm or less, 1.18 in. or less)	8	X	S	27 250	5	X	P2.8	53 584
33299434	Rifles	N	X	X	373 096	N	X	X	N
3329943416	Centerfire semiautomatic rifles (30 mm or less, 1.18 in. or less)	12	X	S	88 778	10	X	S	53 849
3329943421	Centerfire bolt repeater rifles (30 mm or less, 1.18 in. or less)	7	X	.4	133 280	3	X	D	D
3329943426	All other centerfire rifles (30 mm or less, 1.18 in. or less)	10	X	P1.1	95 842	10	X	Q1.3	142 672
3329943431	Rimfire rifles (30 mm or less, 1.18 in. or less)	5	X	P.5	55 196	4	X	D	D
33299435	Single barrel shotguns, other small firearms, parts and attachments for small firearms	N	X	X	347 046	N	X	X	N
3329943536	Single barrel shotguns (30 mm or less, 1.18 in. or less)	7	X	S	154 620	5	X	1.9	170 687
3329943541	Other small firearms (30 mm or less, 1.18 in. or less), including double barrel shotguns and combination rifle-shotguns	20	X	S	74 216	6	X	S	31 872
3329943546	Parts and attachments for small firearms (30 mm or less, 1.18 in. or less)	42	X	X	118 210	39	X	X	97 169
3329943Y	Small arms (30 mm or less, 1.18 in. or less), nsk	N	X	X	—	N	X	X	N
3329943YVV	Small arms (30 mm or less, 1.18 in. or less), nsk	N	X	X	—	N	X	X	—
332994W	Small arms, nsk, total	N	X	X	54 036	N	X	X	67 521
332994WY	Small arms, nsk, total	N	X	X	54 036	N	X	X	N
332994WYWW	Small arms, nsk, for nonadministrative-record establishments	N	X	X	—	N	X	X	42 028
332994WYWY	Small arms, nsk, for administrative-record establishments	N	X	X	54 036	N	X	X	25 493
332995	Ordnance and accessories, nec	N	X	X	1 149 128	N	X	X	791 763
3329951	Guns, howitzers, mortars, and related equipment (more than 30 mm, more than 1.18 in.)	N	X	X	705 785	N	X	X	354 251
33299511	Guns, howitzers, mortars, and related equipment (more than 30 mm, more than 1.18 in.)	N	X	X	705 785	N	X	X	N
3329951106	Guns, howitzers, and mortars, assembled and recoilless rifles (more than 30 mm, more than 1.18 in.)	9	X	X	358 959	8	X	X	197 273
3329951111	Turrets (except aircraft turrets and aircraft turret drives), mounts and carriages (except self-propelled) (more than 30 mm, more than 1.18 in.)	3	X	X	D	5	X	X	D
3329951116	Parts and other related equipment for heavy weapons (more than 30 mm, more than 1.18 in.)	15	X	X	D	8	X	X	D
3329951Y	Guns, howitzers, mortars, and related equipment (more than 30 mm, more than 1.18 in.), nsk	N	X	X	—	N	X	X	N
3329951YVV	Guns, howitzers, mortars, and related equipment (more than 30 mm, more than 1.18 in.), nsk	N	X	X	—	N	X	X	95

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
332995	Ordnance and accessories, nec—Con.								
3329952	Other ordnance and accessories, nec (rocket projectors, line throwing guns, flame throwers, torpedo tubes, etc., and parts)	N	X	X	421 646	N	X	X	426 489
33299521	Other ordnance and accessories, nec (rocket projectors, line throwing guns, flame throwers, torpedo tubes, etc., and parts)	N	X	X	421 646	N	X	X	N
3329952100	Other ordnance and accessories, nec (rocket projectors, line throwing guns, flame throwers, torpedo tubes, etc., and parts)	34	X	X	421 646	38	X	X	426 489
332995W	Ordnance and accessories, nec, nsk, total	N	X	X	21 697	N	X	X	11 023
332995WY	Ordnance and accessories, nec, nsk, total	N	X	X	21 697	N	X	X	N
332995WYWW	Ordnance and accessories, nec, nsk, for nonadministrative-record establishments	N	X	X	—	N	X	X	3 597
332995WYWY	Ordnance and accessories, nec, nsk, for administrative-record establishments	N	X	X	21 697	N	X	X	7 426
332996	Fabricated pipes and pipe fittings	N	X	X	4 089 651	N	X	X	N
3329961	Aluminum welded tube	N	X	X	D	N	X	X	D
33299611	Aluminum welded tube	N	X	X	D	N	X	X	N
3329961100	Aluminum welded tube, 1,000 s tons..	4	N	D	D	4	N	N	N
3329963	Fabricated pipe and pipe fittings made from purchased pipe	N	X	X	D	N	X	X	2 807 275
33299631	Fabricated iron and steel pipe and pipe fittings made from purchased pipe	N	X	X	D	N	X	X	N
3329963101	Fabricated iron and steel pipe and pipe fittings made from purchased pipe	531	X	X	D	488	X	X	1 997 888
33299632	All other nonferrous fabricated pipe and pipe fittings made from purchased pipe	N	X	X	D	N	X	X	N
3329963203	Fabricated aluminum and aluminum-base alloy pipe and pipe fittings made from purchased pipe	70	X	X	64 800	83	X	X	87 646
3329963205	Fabricated copper and copper-base alloy pipe and pipe fittings made from purchased pipe	42	X	X	150 363	50	X	X	99 467
3329963207	All other nonferrous fabricated pipe and pipe fittings made from purchased pipe	111	X	X	D	94	X	X	287 264
3329963Y	Fabricated pipe and pipe fittings made from purchased pipe, nsk	N	X	X	—	N	X	X	N
3329963YWV	Fabricated pipe and pipe fittings made from purchased pipe, nsk	N	X	X	—	N	X	X	N
332996W	Fabricated pipes and pipe fittings, nsk, total	N	X	X	193 999	N	X	X	N
332996WY	Fabricated pipes and pipe fittings, nsk, total	N	X	X	193 999	N	X	X	N
332996WYWW	Fabricated pipes and pipe fittings, nsk, for nonadministrative-record establishments	N	X	X	116 082	N	X	X	N
332996WYWY	Fabricated pipes and pipe fittings, nsk, for administrative-record establishments	N	X	X	77 917	N	X	X	N
332997	Industrial patterns	N	X	X	815 026	N	X	X	669 498
3329970	Industrial patterns, except shoe patterns	N	X	X	815 026	N	X	X	669 498
33299701	Foundry patterns	N	X	X	596 403	N	X	X	N
3329970101	Foundry patterns	534	X	X	596 403	554	X	X	494 240
33299702	All other industrial patterns (except shoe patterns)	N	X	X	125 448	N	X	X	N
3329970206	All other industrial patterns (except shoe patterns)	92	X	X	125 448	94	X	X	82 343
3329970Y	Industrial patterns, nsk	N	X	X	93 175	N	X	X	N
3329970YWW	Industrial patterns, nsk, for nonadministrative-record establishments	N	X	X	50 751	N	X	X	51 105
3329970YWY	Industrial patterns, nsk, for administrative-record establishments	N	X	X	42 424	N	X	X	41 810

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332998	Enameled iron and metal sanitary ware	N	X	X	1 233 656	N	X	X	690 561
3329980	Metal plumbing fixtures	N	X	X	1 233 656	N	X	X	690 561
33299801	Enameled iron and metal plumbing fixtures	N	X	X	1 074 016	N	X	X	N
3329980110	Enameled iron and metal plumbing fixtures	34	X	X	1 074 016	32	X	X	581 238
33299802	Other enameled iron and metal plumbing fixtures, including portable chemical toilets, water closet tanks, etc.	N	X	X	97 096	N	X	X	N
3329980290	Other enameled iron and metal plumbing fixtures, including portable chemical toilets, water closet tanks, etc.	11	X	X	97 096	14	X	X	79 415
3329980Y	Metal plumbing fixtures	N	X	X	62 544	N	X	X	N
3329980YWW	Metal sanitary ware, nsk, for nonadministrative-record establishments	N	X	X	18 735	N	X	X	15 713
3329980YWY	Metal sanitary ware, nsk, for administrative-record establishments	N	X	X	43 809	N	X	X	14 195
332999	Fabricated metal products, nec	N	X	X	9 986 278	N	X	X	N
3329991	Converted unmounted aluminum foil packaging products	N	X	X	825 595	N	X	X	885 777
33299911	Converted unmounted aluminum foil flexible packaging products, including gift wrap	N	X	X	822 157	N	X	X	N
3329991101	Converted unmounted aluminum household, institutional, and freezer foil	8	X	P272.0	519 597	6	X	337.1	579 839
3329991106	Converted unmounted semirigid aluminum foil containers	8	X	76.0	176 234	8	X	P68.9	177 249
3329991111	Other converted unmounted aluminum foil flexible packaging products, including gift wrap	12	X	S	126 326	12	X	28.1	128 689
3329991Y	Converted unmounted aluminum foil packaging products, nsk	N	X	X	3 438	N	X	X	N
3329991YWW	Converted unmounted aluminum foil packaging products, nsk	N	X	X	3 438	N	X	X	—
3329993	Converted foil for nonpackaging applications and foil and leaf	N	X	X	751 995	N	X	X	608 171
33299931	Converted foil, including composition (combination of two metals or more) for nonpackaging applications, and metal leaf (including aluminum)	N	X	X	738 294	N	X	X	N
3329993101	Converted aluminum foil, unmounted or coated, plain or printed, for nonpackaging applications	7	X	¶14.6	30 538	8	X	¶17.4	38 607
3329993106	Converted aluminum foil, laminated to other materials, for nonpackaging applications	11	X	S	216 507	22	X	S	228 042
3329993111	Other converted foil, including composition (combination of two metals or more) for nonpackaging applications, and metal leaf (including aluminum leaf)	17	X	¶86.5	491 249	22	X	P82.2	333 311
3329993Y	Converted foil for nonpackaging applications and foil and leaf, nsk	N	X	X	13 701	N	X	X	N
3329993YWW	Converted foil for nonpackaging applications and foil and leaf, nsk	N	X	X	13 701	N	X	X	8 211
3329994	Miscellaneous machinery products, except electrical, including flexible metal hose and tubing, metal bellows, etc.	N	X	X	592 897	N	X	X	N
33299941	Flexible steel hose and tubing, including aluminum, stainless steel, and other types	N	X	X	526 408	N	X	X	N
3329994101	Flexible copper and copper-base alloy hose and tubing	23	X	X	44 110	24	X	X	40 287
3329994106	Flexible aluminum and aluminum-base alloy hose and tubing	35	X	X	52 991	28	X	X	32 948
3329994111	Flexible stainless steel hose and tubing	54	X	X	184 664	61	X	X	111 171
3329994116	Other flexible metal hose and tubing	33	X	X	83 384	31	X	X	37 698
3329994121	Metal bellows	26	X	X	161 259	32	X	X	128 182
3329994Y	Miscellaneous machinery products, except electrical, including flexible metal hose and tubing, and bellows, etc., nsk	N	X	X	66 489	N	X	X	N
3329994YWW	Miscellaneous machinery products, except electrical, including flexible metal hose and tubing, metal bellows, etc., nsk	N	X	X	66 489	N	X	X	N

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332999	Fabricated metal products, nec—Con.								
3329997	Fabricated metal collapsible tubes	N	X	X	53 062	N	X	X	55 972
33299971	Fabricated collapsible metal tubes, including tin, tin-coated, tin-lead alloy, and lead	N	X	X	52 016	N	X	X	N
3329997101	Fabricated collapsible aluminum tubes	9	X	X	40 885	14	X	X	46 113
3329997106	Other fabricated collapsible metal tubes, including tin, tin-coated, tin-lead alloy, and lead	6	X	X	11 131	6	X	X	8 605
3329997Y	Fabricated metal collapsible tubes, nsk	N	X	X	1 046	N	X	X	N
3329997YVV	Fabricated metal collapsible tubes, nsk	N	X	X	1 046	N	X	X	1 254
3329999	Flat metal strapping	N	X	X	349 386	N	X	X	298 534
33299991	Flat metal strapping	N	X	X	349 386	N	X	X	N
3329999100	Flat metal strapping, 1,000 s tons..	15	X	S	349 386	15	X	S	298 534
332999A	Metal ladders	N	X	X	411 441	N	X	X	252 199
332999A1	Metal step, platform, amd rung-type ladders, metal ladder-type step stools, and ladder accessories	N	X	X	403 525	N	X	X	N
332999A101	Metal step and platform ladders	37	X	X	198 767	39	X	X	122 775
332999A106	Metal rung-type ladders (single, trestle, extension, sectional, etc.)	21	X	X	183 330	22	X	X	117 956
332999A111	Metal ladder-type step stools	5	X	X	4 838	4	X	X	2 443
332999A116	Ladder accessories (metal), including levelors, ladder feet, ladder jacks, roof hooks, bucket shelves, etc.	9	X	X	16 590	7	X	X	7 207
332999AY	Metal ladders, nsk	N	X	X	7 916	N	X	X	N
332999AYVV	Metal ladders, nsk	N	X	X	7 916	N	X	X	1 818
332999G	Other fabricated metal products, nec	N	X	X	5 725 969	N	X	X	N
332999G1	Permanent magnets, metal assemblies, and metal pipe hangers and supports	N	X	X	542 269	N	X	X	N
332999G101	Permanent magnets, except ceramic	30	X	X	387 989	26	X	X	234 621
332999G106	Fabricated metal assemblies of railroad frogs, switches, and crossings	9	X	X	96 393	9	X	X	78 537
332999G189	Metal pipe hangers and supports (not including metal framing)	14	X	X	57 887	14	X	X	65 440
332999G3	Other fabricated metal products, nec	N	X	X	5 142 219	N	X	X	N
332999G301	Stamped metal wheels for golf carts, lawn mowers, etc., (disc type)	6	X	X	34 077	5	X	X	N
332999G303	Metal spools and reels	25	X	X	106 013	17	X	X	41 742
332999G305	Metal pallets and skids (excluding wood and metal combination)	14	X	S	18 416	16	X	S	12 598
332999G306	Miscellaneous fabricated products, made primarily of metal (combs and hair curlers, etc.)	162	X	X	286 375	N	X	X	N
332999G313	Steel wool	7	X	X	112 370	5	X	X	43 770
332999G316	Metal scouring pads, including those with soap	5	X	X	105 198	N	X	X	N
332999G399	Other fabricated metal products, nec, including metal ironing boards, and metal memorial tablets and grave markers	1 084	X	X	4 479 770	N	X	X	N
332999GY	Other fabricated metal products, nec, nsk	N	X	X	41 481	N	X	X	N
332999GYVV	Other fabricated metal products, nec, nsk	N	X	X	41 481	N	X	X	N
332999W	Fabricated metal products, nec, nsk, total	N	X	X	1 275 933	N	X	X	N
332999WY	Fabricated metal products, nec, nsk, total	N	X	X	1 275 933	N	X	X	N
332999WYVV	Fabricated metal products, nec, nsk, for nonadministrative-record establishments	N	X	X	923 685	N	X	X	N
332999WYVY	Fabricated metal products, nec, nsk, for administrative-record establishments	N	X	X	352 248	N	X	X	N
333111	Farm machinery and equipment	N	X	X	15 006 901	N	X	X	N
3331111	Farm-type (power take-off hp) wheel tractors (2- and 4-wheel drive) (sold with or without attachments) @	N	X	X	3 856 907	N	X	X	N
333111110	Farm-type (power take-off hp) wheel tractors (2- and 4-wheel drive) (sold with or without attachments)	N	X	X	3 856 907	N	X	X	N
33311111000	Farm-type (power take-off hp) wheel tractors (2- and 4-wheel drive) (sold with or without attachments)	20	X	X	3 856 907	11	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333111	Farm machinery and equipment—Con.								
3331113	Farm dairy equipment, sprayers and dusters (except aerial types), farm elevators, farm blowers, and attachments @	N	X	X	745 305	N	X	X	N
33311130	Farm dairy equipment, sprayers and dusters (except aerial types), farm elevators, farm blowers, and attachments	N	X	X	745 305	N	X	X	N
3331113000	Farm dairy equipment, sprayers and dusters (except aerial types), farm elevators, farm blowers, and attachments	82	X	X	745 305	N	X	X	N
3331117	Planting, seeding, and fertilizing machinery and attachments, excluding turf machinery @	N	X	X	1 080 018	N	X	X	520 758
33311170	Planting, seeding, and fertilizing machinery and attachments, excluding turf machinery	N	X	X	1 080 018	N	X	X	N
3331117000	Planting, seeding, and fertilizing machinery and attachments, excluding turf machinery	96	X	X	1 080 018	103	X	X	520 758
3331119	Harvesting machinery (except hay and straw) and attachments @	N	X	X	2 970 346	N	X	X	1 564 471
33311190	Harvesting machinery (except hay and straw) and attachments	N	X	X	2 970 346	N	X	X	N
3331119000	Harvesting machinery (except hay and straw) and attachments	107	X	X	2 970 346	87	X	X	1 564 471
333111A	Haying machinery and attachments @	N	X	X	664 378	N	X	X	434 769
333111A0	Haying machinery and attachments	N	X	X	664 378	N	X	X	N
333111A000	Haying machinery and attachments	53	X	X	664 378	33	X	X	434 769
333111C	Parts for farm machinery, for sale separately @	N	X	X	1 425 475	N	X	X	1 486 003
333111C1	Parts for farm-type wheel tractors (except operator cabs), for sale separately	N	X	X	584 948	N	X	X	N
333111C110	Parts for farm-type wheel tractors (except operator cabs), for sale separately	55	X	X	584 948	38	X	X	384 276
333111C2	Other parts for farm machinery, for sale separately	N	X	X	801 417	N	X	X	N
333111C220	Other parts for farm machinery (except for wheel tractors), for sale separately, including operator cabs.	190	X	X	801 417	N	X	X	N
333111CY	Parts for farm machinery, for sale separately, nsk	N	X	X	39 110	N	X	X	N
333111CYWV	Parts for farm machinery, for sale separately, nsk	N	X	X	39 110	N	X	X	67 882
333111E	Farm plows (including plowshares, primary tillage), harrows, rollers, pulverizers, and cultivators and weeders, and attachments @	N	X	X	608 954	N	X	X	267 735
333111E0	Farm plows (including plowshares, primary tillage), harrows, rollers, pulverizers, and cultivators and weeders, and attachments	N	X	X	608 954	N	X	X	N
333111E000	Farm plows (including plowshares, primary tillage), harrows, rollers, pulverizers, and cultivators and weeders, and attachments	107	X	X	608 954	100	X	X	267 735
333111G	All other farm machinery and equipment, excluding parts, but including attachments @	N	X	X	1 836 550	N	X	X	N
333111G0	All other farm machinery and equipment, excluding parts, but including attachments	N	X	X	1 836 550	N	X	X	N
333111G000	All other farm machinery and equipment, excluding parts, but including attachments	238	X	X	1 836 550	N	X	X	N
333111J	Commercial turf and grounds care equipment, including parts and attachments @	N	X	X	1 340 221	N	X	X	834 041
333111J0	Commercial turf and grounds care equipment, including parts and attachments	N	X	X	1 340 221	N	X	X	N
333111J000	Commercial turf and grounds care equipment, including parts and attachments	77	X	X	1 340 221	88	X	X	834 041

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333111	Farm machinery and equipment—Con.								
333111W	Farm machinery and equipment, nsk, total	N	X	X	478 747	N	X	X	N
333111WY	Farm machinery and equipment, nsk, total	N	X	X	478 747	N	X	X	N
333111WYWW	Farm machinery and equipment, nsk, for nonadministrative-record establishments	N	X	X	263 367	N	X	X	N
333111WYWY	Farm machinery and equipment, nsk, for administrative-record establishments	N	X	X	215 380	N	X	X	N
333112	Lawn and garden equipment	N	X	X	6 283 652	N	X	X	N
3331121	Consumer nonriding lawn, garden, and snow equipment @	N	X	X	2 875 961	N	X	X	N
33311210	Consumer nonriding lawn, garden, and snow equipment	N	X	X	2 875 961	N	X	X	N
3331121000	Consumer nonriding lawn, garden, and snow equipment	44	X	X	2 875 961	N	X	X	N
3331123	Consumer riding lawn, garden, and snow equipment @	N	X	X	2 516 613	N	X	X	1 644 979
33311230	Consumer riding lawn, garden, and snow equipment	N	X	X	2 516 613	N	X	X	N
3331123000	Consumer riding lawn, garden, and snow equipment	29	X	X	2 516 613	24	X	X	1 644 979
3331127	Parts and attachments for consumer lawn, garden, and snow equipment @	N	X	X	816 253	N	X	X	637 187
33311270	Parts and attachments for consumer lawn, garden, and snow equipment	N	X	X	816 253	N	X	X	N
3331127000	Parts and attachments for consumer lawn, garden, and snow equipment	65	X	X	816 253	63	X	X	637 187
333112W	Lawn and garden equipment, nsk, total	N	X	X	74 825	N	X	X	N
333112WY	Lawn and garden equipment, nsk, total	N	X	X	74 825	N	X	X	N
333112WYWW	Lawn and garden equipment, nsk, for nonadministrative-record establishments	N	X	X	25 355	N	X	X	N
333112WYWY	Lawn and garden equipment, nsk, for administrative-record establishments	N	X	X	49 470	N	X	X	N
333120	Construction machinery	N	X	X	19 287 496	N	X	X	N
3331201	Power cranes, dozers, construction tractors, off-highway trucks and trailers, mixers, pavers, backhoes, and related equipment @	N	X	X	13 693 995	N	X	X	N
33312011	Power cranes, draglines, and shovels (excavators) (including surface mining equipment and attachments) (excluding parts)	N	X	X	3 035 538	N	X	X	N
3331201110	Power cranes, draglines, and shovels (excavators) (including surface mining equipment and attachments) (excluding parts)	57	X	X	3 035 538	71	X	X	1 656 940
33312012	Mixers, pavers, and related equipment (excluding parts)	N	X	X	1 261 445	N	X	X	N
3331201220	Mixers, pavers, and related equipment (excluding parts)	76	X	X	1 261 445	87	X	X	642 423
33312013	Off-highway trucks, coal haulers, truck-type tractor chassis, trailers and wagons, except parts	N	X	X	1 288 613	N	X	X	N
3331201330	Off-highway trucks, coal haulers, truck-type tractor chassis, trailers and wagons, except parts	34	X	X	1 288 613	N	X	X	N
33312014	Tractor shovel loaders (skid steer, wheel, and crawler, and integral-design loader-backhoes)	N	X	X	2 829 877	N	X	X	N
3331201440	Tractor shovel loaders (skid steer, wheel, and crawler, and integral-design loader-backhoes)	22	X	X	2 829 877	18	X	X	1 836 730
33312015	Construction wheel and crawler tractors, dozers, and self-propelled log skidders	N	X	X	2 678 905	N	X	X	N
3331201550	Construction wheel and crawler tractors, dozers, and self-propelled log skidders	22	X	X	2 678 905	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333120	Construction machinery—Con.								
3331201	Power cranes, dozers, construction tractors, off-highway trucks and trailers, mixers, pavers, backhoes, and related equipment @—Con.								
33312016	Motor graders and light maintainers, rollers and compactors, rough-terrain forklifts, scraper bowls, and self-propelled continuous ditchers and trenchers, except parts	N	X	X	2 068 782	N	X	X	N
3331201660	Motor graders and light maintainers, rollers and compactors, rough-terrain forklifts, scraper bowls, and self-propelled continuous ditchers and trenchers, except parts	56	X	X	2 068 782	N	X	X	N
33312017	Construction machinery for mounting on tractors and other prime movers (excluding parts, winches, and snow clearing attachments)	N	X	X	525 023	N	X	X	N
3331201770	Construction machinery for mounting on tractors and other prime movers (excluding parts, winches, and snow clearing attachments)	47	X	X	525 023	N	X	X	N
3331201Y	Power cranes, excavators, loaders, dozers, construction tractors, off-highway trucks and trailers, mixers, pavers, graders, scrapers, trenchers, rollers, compactors, backhoes, and rtd. eqpmt., nsk	N	X	X	5 812	N	X	X	N
3331201YWV	Motor graders and light maintainers, rollers and compactors, rough-terrain forklifts, scraper bowls, and self-propelled continuous ditchers and trenchers, except parts	N	X	X	5 812	N	X	X	N
3331208	Other construction machinery and equipment (excluding parts) @	N	X	X	2 122 257	N	X	X	N
33312081	Other construction machinery and equipment (excluding parts)	N	X	X	2 094 867	N	X	X	N
3331208110	Portable crushing plants, screening plants, washing plants, and combination plants (excluding parts)	21	X	X	168 287	15	X	X	88 780
3331208115	Snow clearing attachments for mounting on tractors or trucks (except rotary snow blowers), including snow plows, etc. (excluding parts)	32	X	X	272 596	24	X	X	93 550
3331208126	Commercial brush, limb, and log chippers for waste wood reduction (excluding parts)	13	X	X	130 305	12	X	X	56 563
3331208127	Log splitters (excluding parts)	5	X	X	13 023	6	X	X	16 912
3331208135	Dredging machinery, hydraulic and other types (excluding parts)	6	X	X	24 431	5	X	X	30 627
3331208144	Digger-derricks (excluding parts)	7	X	X	87 424	6	X	X	64 233
3331208148	Vertical earth augers and power posthole diggers, excluding water well and blasthole drills (excluding parts)	17	X	X	34 848	17	X	X	25 820
3331208152	Horizontal earth boring machines and accessories (excluding parts)	11	X	X	176 916	15	X	X	62 184
3331208156	Pile driving equipment (including air, steam, or diesel pile hammers and impact pile or vibratory driver extractors) (excluding parts)	8	X	X	21 560	6	X	X	17 265
3331208199	All other construction machinery and equipment, complete units	67	X	X	1 165 477	N	X	X	N
3331208Y	Other construction machinery and equipment (excluding parts), nsk	N	X	X	27 390	N	X	X	N
3331208YWV	Other construction machinery and equipment (excluding parts), nsk	N	X	X	27 390	N	X	X	N
3331209	Parts for construction machinery and equipment, sold separately	N	X	X	2 968 564	N	X	X	N
33312091	Parts for power cranes, draglines, and shovels (excavators) (including surface mining equipment) (sold separately)	N	X	X	538 500	N	X	X	N
3331209111	Parts for power cranes, draglines, and shovels (excavators) (including surface mining equipment) (sold separately)	47	X	X	538 500	47	X	X	380 220
33312092	Parts for contractors' off-highway wheel tractors, crawler tractors, and tractor shovel loaders (sold separately)	N	X	X	940 000	N	X	X	N
3331209245	Parts for contractors' off-highway wheel tractors, crawler tractors, and tractor shovel loaders (sold separately)	41	X	X	940 000	61	X	X	1 017 112

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333120	Construction machinery—Con.								
3331209	Parts for construction machinery and equipment, sold separately—Con.								
33312093	Parts for other construction machinery	N	X	X	1 421 630	N	X	X	N
3331209352	Parts for mixers, pavers, and related equipment (sold separately)	44	X	X	211 634	44	X	X	158 744
3331209353	Parts for off-highway trucks, coal haulers, truck-type tractor chassis, trailers and wagons (sold separately)	23	X	X	130 627	N	X	X	N
3331209366	Parts for motor graders and light maintainers, rollers and compactors, rough-terrain forklifts, scraper bowls, and self-propelled continuous ditchers and trenchers (sold separately)	42	X	X	179 054	N	X	X	N
3331209377	Parts for construction machinery (except winches) for mounting on tractors and other prime movers (sold separately)	30	X	X	237 747	N	X	X	N
3331209388	Parts for other construction machinery and equipment (except winches, hoists, and railroad rolling stock, sold separately)	86	X	X	662 568	N	X	X	N
3331209Y	Parts for construction machinery and equipment, sold separately, nsk	N	X	X	68 434	N	X	X	N
3331209YVV	Parts for construction machinery and equipment, sold separately, nsk	N	X	X	68 434	N	X	X	N
333120W	Construction machinery, nsk, total	N	X	X	502 680	N	X	X	N
333120WY	Construction machinery, nsk, total	N	X	X	502 680	N	X	X	N
333120WYWW	Construction machinery, nsk, for nonadministrative-record establishments	N	X	X	313 717	N	X	X	N
333120WYWY	Construction machinery manufacturing, nsk, for administrative-record establishments	N	X	X	188 963	N	X	X	N
333131	Mining machinery	N	X	X	2 974 042	N	X	X	1 416 930
3331311	Underground mining machinery (except parts sold separately) @	N	X	X	680 836	N	X	X	328 496
33313110	Underground mining machinery (except parts sold separately)	N	X	X	680 836	N	X	X	N
3331311000	Underground mining machinery (except parts sold separately)	40	X	X	680 836	36	X	X	328 496
3331313	Mineral processing and beneficiation machinery (except parts sold separately)	N	X	X	633 663	N	X	X	76 609
33313131	Mineral processing and beneficiation machinery (except parts sold separately)	N	X	X	633 663	N	X	X	N
3331313100	Mineral processing and beneficiation machinery (except parts sold separately)	14	X	X	633 663	28	X	X	76 609
3331315	Crushing, pulverizing, and screening machinery (excluding portable combination plants), except parts sold separately @	N	X	X	482 132	N	X	X	191 005
33313150	Crushing, pulverizing, and screening machinery (excluding portable combination plants), except parts sold separately	N	X	X	482 132	N	X	X	N
3331315000	Crushing, pulverizing, and screening machinery (excluding portable combination plants), except parts sold separately	37	X	X	482 132	42	X	X	191 005
3331317	Drills and other mining machinery, nec (except parts sold separately) @	N	X	X	263 008	N	X	X	142 190
33313170	Drills and other mining machinery, nec (except parts sold separately)	N	X	X	263 008	N	X	X	N
3331317000	Drills and other mining machinery, nec (except parts sold separately)	23	X	X	263 008	28	X	X	142 190
3331319	Parts and attachments for mining machinery and equipment (sold separately)	N	X	X	777 472	N	X	X	609 572
33313191	Mining drill bits with working part of sintered metal carbide or cermets, and base metal thereof	N	X	X	322 366	N	X	X	N
3331319101	Percussion rock mining drill bits, with working part of sintered metal carbide or cermets, and base metal parts thereof	10	X	X	40 412	N	X	X	N
3331319106	Rock mining drill bits other than percussion, with working part of sintered metal carbide or cermets, and base metal parts thereof	15	X	X	239 764	12	X	X	94 204

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333131	Mining machinery—Con.								
3331319	Parts and attachments for mining machinery and equipment (sold separately)—Con.								
33313191	Mining drill bits with working part of sintered metal carbide or cermet, and base metal thereof—Con.								
3331319111	Other mining drill bits with working part of sintered metal carbide or cermet, and base metal thereof	11	X	X	42 190	15	X	X	70 986
33313192	Drill bits not having a working part of sintered metal carbide or cermet, and base metal parts thereof	N	X	X	8 758	N	X	X	N
3331319216	Drill bits not having a working part of sintered metal carbide or cermet, and base metal parts thereof	4	X	X	8 758	N	X	X	N
33313193	Parts and attachments for mining machinery and equipment (except drill bits) for underground mining vehicles	N	X	X	68 058	N	X	X	N
3331319321	Parts and attachments for mining machinery and equipment (except drill bits) for underground mining vehicles	31	X	X	68 058	N	X	X	N
33313194	Parts and attachments for mining machinery and equipment (except drill bits) for minerals crushing, grinding, sorting, separating, or washing machines	N	X	X	166 088	N	X	X	N
3331319426	Parts and attachments for mining machinery and equipment (except drill bits) for minerals crushing, grinding, sorting, separating, or washing machines	27	X	X	166 088	N	X	X	N
33313195	Parts and attachments for mining machinery and equipment (except drill bits) for lifting, handling, loading, or unloading machinery for underground mines	N	X	X	22 521	N	X	X	N
3331319531	Parts and attachments for mining machinery and equipment (except drill bits) for lifting, handling, loading, or unloading machinery for underground mines	6	X	X	22 521	N	X	X	N
33313196	Parts and attachments for mining machinery and equipment (except drill bits) for boring or sinking machinery other than coal or rock cutters and tunneling machinery	N	X	X	7 260	N	X	X	N
3331319636	Parts and attachments for mining machinery and equipment (except drill bits) for boring or sinking machinery other than coal or rock cutters and tunneling machinery	5	X	X	7 260	N	X	X	N
33313197	Parts and attachments for mining machinery and equipment (except drill bits) for other mining machinery, nec	N	X	X	130 634	N	X	X	N
3331319744	Parts and attachments for mining machinery and equipment (except drill bits) for other mining machinery, nec	37	X	X	130 634	N	X	X	N
3331319Y	Parts and attachments for mining machinery and equipment (sold separately), nsk	N	X	X	51 787	N	X	X	N
3331319YWV	Parts and attachments for mining machinery and equipment (sold separately), nsk	N	X	X	51 787	N	X	X	46 202
333131W	Mining machinery, nsk, total	N	X	X	136 931	N	X	X	69 058
333131WY	Mining machinery, nsk, total	N	X	X	136 931	N	X	X	N
333131WYWW	Mining machinery, nsk for nonadministrative-record establishments	N	X	X	76 356	N	X	X	21 880
333131WYWY	Mining machinery, nsk, for administrative-record establishments	N	X	X	60 575	N	X	X	47 178
333132	Oil and gas field machinery	N	X	X	5 333 426	N	X	X	2 980 688

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333132	Oil and gas field machinery — Con.								
3331321	Rotary oil and gas field drilling machinery and equipment	N	X	X	1 728 716	N	X	X	897 326
33313211	Rotary oil and gas field drilling machinery and equipment, except parts	N	X	X	1 611 941	N	X	X	N
3331321101	Rotary drilling surface equipment, for blocks, crown, traveling, draw works and accessories, and rotary tables	6	X	—	1 640	N	X	X	N
3331321106	Rotary oil and gas field surface drilling elevators, spiders, slips, hooks, links, and connectors	5	X	X	D	6	X	X	21 000
3331321111	Rotary drilling surface equipment, for swivels and accessories	3	X	X	D	6	X	X	28 941
3331321116	Rotary oil and gas field surface drilling well control equipment (blow-out preventers, etc.)	19	X	X	310 441	12	X	X	95 710
3331321122	Other rotary oil and gas field surface drilling machinery and equipment, including kelly joints	20	X	X	165 162	12	X	X	68 459
3331321126	Rotary oil and gas field subsurface drilling bits, with working part of sintered metal carbide or cermets	8	X	S	330 427	7	X	P43.1	165 067
3331321131	Rotary oil and gas field subsurface drilling bits, with working part of other material, including diamond	10	X	S	178 981	4	X	X	63 734
3331321136	Rotary oil and gas field subsurface drilling equipment, for ramers, stabilizers, and coring equipment	11	X	X	45 253	N	X	X	N
3331321146	Rotary oil and gas field subsurface drilling drill collars	6	X	X	D	8	X	X	27 220
3331321151	Rotary oil and gas field surface drilling fishing and cutting tools	11	X	X	116 807	6	X	X	44 250
3331321156	Rotary oil and gas field subsea drilling risers	3	X	11.4	65 747	3	X	X	15 211
3331321166	Other rotary oil and gas field subsurface drilling equipment	16	X	X	294 760	N	X	X	N
33313212	Parts for rotary oil and gas field drilling equipment, sold separately (except for portable drilling rigs)	N	X	X	59 366	N	X	X	N
3331321271	Parts for rotary oil and gas field drilling equipment, sold separately (except for portable drilling rigs)	18	X	X	59 366	12	X	X	39 561
3331321Y	Rotary oil and gas field drilling machinery and equipment, nsk	N	X	X	57 409	N	X	X	N
3331321YVV	Rotary oil and gas field drilling machinery and equipment, nsk	N	X	X	57 409	N	X	X	23 938
3331323	Other oil and gas field drilling machinery and equipment	N	X	X	691 092	N	X	X	183 644
33313231	Other oil and gas field drilling machinery and equipment, except parts	N	X	X	537 663	N	X	X	N
3331323101	Cable tool oil and gas field drilling machinery and equipment, including both surface and subsurface equipment	3	X	X	D	3	X	X	873
3331323106	Oil and gas field drilling guide shoes, float collars, and combination guide and float shoes	8	X	X	D	9	X	X	30 451
3331323111	Other oil and gas field drilling cementing equipment	8	X	X	186 126	8	X	X	38 686
3331323122	Other oil and gas field drilling equipment, except rotary drilling equipment and portable drilling rigs	25	X	X	296 693	16	X	X	75 787
33313232	Parts for other oil and gas field drilling equipment, sold separately	N	X	X	153 429	N	X	X	N
3331323226	Parts for other oil and gas field drilling equipment, sold separately	12	X	X	153 429	13	X	X	37 843
3331323Y	Other oil and gas field drilling machinery and equipment, nsk	N	X	X	—	N	X	X	N
3331323YVV	Other oil and gas field drilling machinery and equipment, nsk	N	X	X	—	N	X	X	Z
3331325	Oil and gas field production machinery and equipment (except pumps)	N	X	X	1 798 028	N	X	X	1 188 527
33313251	Oil and gas field production machinery and equipment, except parts	N	X	X	1 595 075	N	X	X	N
3331325101	Oil and gas field production well Christmas tree assemblies (surface and subsurface, excluding subsea)	11	X	X	104 063	11	X	X	127 335
3331325106	Oil and gas field production well casings and tubing heads and supports (surface, subsurface, and subsea)	16	X	X	126 129	12	X	X	50 289
3331325111	Oil and gas field production well chokes, manifolds, and other accessories (surface, subsurface, and subsea, excluding subsea manifolds and templates)	12	X	X	75 186	12	X	X	75 237

Table 1. Products Statistics: 1997 and 1992—Con.

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333132	Oil and gas field machinery—Con.								
3331325	Oil and gas field production machinery and equipment (except pumps)—Con.								
33313251	Oil and gas field production machinery and equipment, except parts—Con.								
3331325116	Oil and gas field production well rodless oil lifting machinery and equipment (except pumps)	3	X	X	43 300	9	X	X	34 944
3331325121	Oil and gas field production well subsea Christmas tree assemblies, manifolds, and templates	5	X	X	115 221	5	X	X	43 041
3331325126	Oil and gas field surface rod lifting pumping units and accessories, including back crank equipment	7	X	X	40 378	6	X	X	72 525
3331325133	Other oil and gas field surface rod lifting machinery and equipment	3	X	X	D	5	X	X	5 193
3331325136	Oil and gas field subsurface rod lifting equipment (sucker rods), except pumps	4	X	D	D	6	X	S	43 097
3331325141	Oil and gas field packers	13	X	X	221 577	13	X	X	165 952
3331325146	Oil and gas field screens, tubing, catchers, etc.	3	X	X	149 985	4	X	X	47 445
3331325151	Oil and gas field separating, metering, and treating equipment for use at the wellhead	15	X	X	96 993	26	X	X	98 930
3331325199	Other oil and gas field production machinery and tools, except pumps	57	X	X	543 830	48	X	X	312 102
33313252	Parts for oil and gas field production machinery and tools, except for pumps, sold separately	N	X	X	167 135	N	X	X	N
3331325256	Parts for oil and gas field production machinery and tools, except for pumps, sold separately	33	X	X	167 135	31	X	X	107 395
3331325Y	Oil and gas field production machinery and equipment (except pumps), nsk	N	X	X	35 818	N	X	X	N
3331325YWV	Oil and gas field production machinery and equipment (except pumps), nsk	N	X	X	35 818	N	X	X	5 042
3331327	Portable oil and gas field drilling rigs and parts@	N	X	X	526 919	N	X	X	337 870
33313271	Portable oil and gas field drilling rigs (mounted and unmounted) used on the surface (above ground)	N	X	X	384 661	N	X	X	N
3331327101	Portable oil and gas field drilling rigs (mounted and unmounted) used on the surface (above ground)	22	X	X	384 661	25	X	X	227 781
33313272	Parts for portable oil and gas field drilling rigs used on the surface (above ground)	N	X	X	141 858	N	X	X	N
3331327210	Parts for portable oil and gas field drilling rigs used on the surface (above ground)	30	X	X	141 858	25	X	X	105 009
3331327Y	Portable drilling rigs and parts, nsk	N	X	X	400	N	X	X	N
3331327YWV	Portable drilling rigs and parts, nsk	N	X	X	400	N	X	X	5 080
3331329	Oil and gas field derricks and well surveying machinery	N	X	X	243 048	N	X	X	65 696
33313291	Oil and gas field derricks, substructures, and accessories (regular and portable), well surveying machinery and equipment, and well logging equipment	N	X	X	226 048	N	X	X	N
3331329101	Oil and gas field derricks, substructures, and accessories (regular and portable)	3	X	D	D	2	X	X	N
3331329106	Oil and gas field well surveying machinery and equipment, excluding well logging equipment	6	X	X	D	3	X	X	N
3331329111	Oil and gas field well logging equipment	8	X	X	172 200	7	X	X	N
3331329Y	Oil and gas field derricks and well surveying machinery, nsk	N	X	X	17 000	N	X	X	N
3331329YWV	Oil and gas field derricks and well surveying machinery, nsk	N	X	X	17 000	N	X	X	3 248
333132W	Oil and gas field machinery, nsk, total	N	X	X	345 623	N	X	X	307 625
333132WY	Oil and gas field machinery, nsk, total	N	X	X	345 623	N	X	X	N
333132WYWW	Oil and gas field machinery, nsk, for nonadministrative-record establishments	N	X	X	214 818	N	X	X	255 104
333132WYWY	Oil and gas field machinery, nsk, for administrative-record establishments	N	X	X	130 805	N	X	X	53 163

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333210	Sawmill and woodworking machinery	N	X	X	1 101 642	N	X	X	774 421
3332103	Woodworking machinery, including parts, attachments, and accessories	N	X	X	829 627	N	X	X	478 352
33321031	Woodworking sawmill equipment	N	X	X	300 965	N	X	X	N
3332103101	Woodworking sawmill circular saws (head rigs)	12	X	X	25 407	13	X	X	17 726
3332103106	Woodworking sawmill band saws (head rigs)	13	X	X	60 756	11	X	X	43 917
3332103111	Woodworking sawmill equipment, removing bark from logs	3	X	X	1 567	N	X	X	N
3332103116	Woodworking sawmill equipment, chipping or splitting wood	10	X	X	10 344	N	X	X	N
3332103121	Woodworking sawmill equipment, specialized materials handling	23	X	X	91 614	N	X	X	N
3332103126	Other woodworking sawmill equipment	23	X	X	111 277	N	X	X	N
33321032	Woodworking machines and equipment, including moulders	N	X	X	394 980	N	X	X	N
3332103231	Woodworking sawing machines, except sawmill equipment	17	X	X	63 401	18	X	X	44 711
3332103236	Woodworking planing machinery, including single and double planers, facers, jointers, and abrasive planers	10	X	X	30 073	7	X	X	11 375
3332103241	Woodworking sanding machines	12	X	X	31 149	15	X	X	25 091
3332103246	Woodworking boring machines	5	X	X	4 847	4	X	X	2 831
3332103251	Woodworking mortising and tenoning machines	2	X	X	2 272	4	X	X	N
3332103256	Woodworking lathes or turning machines	8	X	X	17 493	5	X	X	3 512
3332103261	Woodworking routers	11	X	X	60 313	9	X	X	26 757
3332103266	Woodworking shapers and profilers	8	X	X	11 322	9	X	X	9 836
3332103271	Woodworking assembling, gluing, laminating, and finishing machines	15	X	X	50 639	15	X	X	23 086
3332103276	Multifunction woodworking machines	5	X	X	9 387	5	X	X	4 522
3332103279	Woodworking bending machines	—	X	X	D	N	X	X	N
3332103283	Woodworking milling or molding (by cutting) machines	2	X	X	D	N	X	X	N
3332103287	Woodworking dryers machinery	3	X	X	D	N	X	X	N
3332103291	Other woodworking machines and equipment	35	X	X	91 925	N	X	X	N
33321033	Parts, attachments, and accessories for woodworking machinery (sold separately), excluding saw blades and cutting tools	N	X	X	118 187	N	X	X	N
3332103396	Parts, attachments, and accessories for woodworking machinery (sold separately), excluding saw blades and cutting tools	57	X	X	118 187	61	X	X	117 094
3332103Y	Woodworking machinery, including parts, attachments, and accessories, nsk	N	X	X	15 495	N	X	X	N
3332103YVV	Woodworking machinery, including parts, attachments, and accessories, nsk	N	X	X	15 495	N	X	X	6 499
3332105	Woodworking machinery for home workshops, garages, and service shops	N	X	X	173 826	N	X	X	181 618
33321051	Parts, attachments, and accessories for woodworking machinery for home workshops, garages, and service shops (sold separately)	N	X	X	D	N	X	X	N
3332105101	Parts, attachments, and accessories for woodworking machinery for home workshops, garages, and service shops (sold separately)	4	X	X	D	7	X	X	18 780
33321052	Woodworking saws, machines, and equipment for home workshops, garages, and service shops	N	X	X	D	N	X	X	N
3332105211	Woodworking saws (including circular and band saws, excluding chain saws) for home workshops, garages, and service shops	4	X	S	124 454	6	X	541.2	125 849
3332105221	Woodworking planing, milling, or molding (by cutting) machines for home workshops, etc. thousands ..	2	X	X	D	N	X	X	N
3332105231	Woodworking grinding, sanding or polishing machines for home workshops, etc.	3	X	X	D	N	X	X	N
3332105241	Woodworking drilling or morticing machines for home workshops, etc.	1	X	X	D	N	X	X	N
3332105251	Other woodworking machines and home workshop, etc (except power-driven handtools)	3	X	X	22 971	N	X	X	N
3332105Y	Woodworking machinery for home workshops, garages, and service shops, nsk	N	X	X	—	N	X	X	N
3332105YVV	Woodworking machinery for home workshops, garages, service shops, nsk	N	X	X	—	N	X	X	2 414

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333210	Sawmill and woodworking machinery—Con.								
333210W	Sawmill and woodworking machinery, nsk, total	N	X	X	98 189	N	X	X	114 451
333210WY	Sawmill and woodworking machinery, nsk, total	N	X	X	98 189	N	X	X	N
333210WYWW	Sawmill and woodworking machinery, nsk, for nonadministrative-record establishments	N	X	X	66 790	N	X	X	89 372
333210WYWY	Sawmill and woodworking machinery, nsk, for administrative-record establishments	N	X	X	31 399	N	X	X	25 079
333220	Rubber and plastics industry machinery	N	X	X	3 093 784	N	X	X	N
3332201	Plastics working machinery and equipment, excluding patterns and molds	N	X	X	2 671 954	N	X	X	1 581 776
33322011	Plastics screw extrusion machines, excluding patterns and molds	N	X	X	331 666	N	X	X	N
3332201106	Plastics single screw extrusion machines, up to 2.49 in. screw diameter, excluding patterns and molds	11	X	X	84 506	15	X	X	42 255
3332201111	Plastics single screw extrusion machines, 2.50 to 5.49 in. screw diameter, excluding patterns and molds	15	X	X	164 294	14	X	X	100 032
3332201116	Plastics single screw extrusion machines, 5.50 in. screw diameter or larger, excluding patterns and molds	12	X	X	51 494	14	X	X	32 659
3332201121	Plastics multiple screw extrusion machines, excluding patterns and molds	5	X	X	31 372	7	X	X	13 614
33322012	Plastics molding machines, including blow, compression, and injections, except injection more than 500 tons	N	X	X	801 971	N	X	X	N
3332201201	Plastics compression molding machines, excluding patterns and molds	6	X	X	21 234	8	X	X	16 484
3332201226	Plastics injection molding machines, 500 tons or less, excluding patterns and molds	18	X	X	351 734	19	X	X	219 355
3332201231	Plastics injection molding machines, more than 500 tons, excluding patterns and molds	8	X	X	244 826	7	X	X	135 967
3332201236	Plastics blow molding machines, excluding patterns and molds	14	X	X	184 177	13	X	X	87 566
33322013	Other machinery for working plastics or making products from plastics	N	X	X	996 934	N	X	X	N
3332201341	Plastics granulators and pelletizers	18	X	X	112 117	12	X	X	65 388
3332201346	Plastics thermoforming machines, excluding patterns and molds	10	X	X	82 501	12	X	X	58 149
3332201351	Calendering or other rolling machines for working plastics, excluding patterns or molds	8	X	X	15 182	5	X	X	15 731
3332201356	Machines for cold working plastics, including drilling, milling, slicing, grinding, etc., excluding patterns of molds	13	X	X	33 895	6	X	X	7 024
3332201361	Machinery for treating plastics by means of a temperature change	23	X	X	82 441	N	X	X	N
3332201366	Other machinery for forming plastics	28	X	X	237 660	N	X	X	N
3332201371	Other machinery for working plastics or making products from plastics	51	X	X	433 138	N	X	X	N
33322014	Other machinery for forming, working, or making products from plastics, and parts for plastics working machinery	N	X	X	458 007	N	X	X	N
3332201476	Parts of machinery for treating plastics by means of a temperature change	18	X	X	90 663	N	X	X	N
3332201481	Parts of calendering or rolling machines for plastics	4	X	X	5 021	N	X	X	N
3332201486	Other parts for plastics working machinery	61	X	X	362 323	N	X	X	N
3332201Y	Plastics working machinery and equipment, excluding patterns and molds, nsk	N	X	X	83 376	N	X	X	N
3332201YVV	Plastics working machinery and equipment, excluding patterns and molds, nsk	N	X	X	83 376	N	X	X	128 442

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333220	Rubber and plastics industry machinery—Con.								
3332203	Rubber working machinery and equipment, excluding tire molds	N	X	X	290 979	N	X	X	185 281
33322031	Machinery for working rubber or making products of rubber, excluding tire molds	N	X	X	234 162	N	X	X	N
3332203101	High-intensity rubber solids mixers	7	X	X	32 936	6	X	X	15 394
3332203106	Rubber extruding machines, excluding tire molds	8	X	X	20 973	8	X	X	6 468
3332203111	Rubber tire building equipment, except tire molds	15	X	X	51 034	11	X	X	47 186
3332203116	Rubber tire recapping and repairing machinery and equipment, including recapping vulcanizers, excluding tire molds	8	X	X	34 233	10	X	X	26 197
3332203121	Other machinery for working rubber or making products of rubber, excluding tire molds	33	X	X	94 986	29	X	X	44 925
33322032	Parts for rubber working machinery, excluding tire molds	N	X	X	46 850	N	X	X	N
3332203226	Parts for rubber working machinery, excluding tire molds	33	X	X	46 850	21	X	X	27 095
3332203Y	Plastics working machinery and equipment, excluding patterns and molds, nsk	N	X	X	9 967	N	X	X	N
3332203YVV	Rubber working machinery and equipment, excluding tire molds, nsk	N	X	X	9 967	N	X	X	18 016
333220W	Rubber and plastics industry machinery manufacturing, nec, nsk, total	N	X	X	130 851	N	X	X	N
333220WY	Rubber and plastics industry machinery manufacturing, nec, nsk, total	N	X	X	130 851	N	X	X	N
333220WYWW	Rubber and plastics industry machinery manufacturing, nec, nsk, for nonadministrative-record establishments	N	X	X	50 066	N	X	X	N
333220WYWY	Rubber and plastics industry machinery manufacturing, nec, nsk, for administrative-record establishments	N	X	X	80 785	N	X	X	N
333291	Paper industries machinery	N	X	X	2 986 768	N	X	X	2 224 608
3332911	Paper industries machinery	N	X	X	1 956 175	N	X	X	1 376 689
33329111	Paper industries wood preparation equipment and other, and other paper industries pulp mill machinery, including pulp mill digesters and deckers, etc.	N	X	X	262 477	N	X	X	N
3332911101	Paper industries wood preparation equipment, water-jet bark strippers	3	X	X	D	N	X	X	N
3332911106	Other paper industries wood preparations equipment (including debarkers, chipper, knotters, splitters, chipscreens, etc.)	4	X	X	10 935	N	X	X	N
3332911111	Paper industries pulp mill grinders and refiners (TMP) for the manufacture of mechanical pulp	4	X	X	59 071	3	X	X	D
3332911116	Paper industries pulp mill digesters and other equipment for the manufacture of chemical pulp	1	X	X	D	2	X	X	D
3332911121	Paper industries pulp mill deckers, thickeners, wet lap machines, bleaching equipment, pulp screens, washers, and save-alls	6	X	X	73 377	8	X	X	72 555
3332911126	Other paper industries pulp mill machinery	10	X	X	47 557	5	X	X	34 358
3332911131	Paper mill stock preparation equipment, including refiners (chip, conical, deflaker, disk, etc.), pulpers, beaters, jordans, etc.	6	X	X	D	9	X	X	70 861
33329112	Paper mill paper making machines	N	X	X	256 707	N	X	X	N
3332911236	Paper mill paper making machines, dryers for paper pulp, paper, or paperboard	9	X	X	57 516	N	X	X	N
3332911241	Other paper mill paper making machines (including headbox forming area, presses, and reels)	10	X	X	199 191	N	X	X	N
33329113	Paper mill coating machines, calendering and rolling machines, and other paper machines.	N	X	X	315 077	N	X	X	N
3332911346	Paper mill paper coating machines, including equipment for applying sizing or pigment coating to paper	11	X	X	62 722	14	X	X	34 376
3332911351	Paper mill paper calendering and similar rolling machines for finishing paper	6	X	X	100 196	7	X	X	29 657
3332911361	Other paper mill paper machines	17	X	X	152 159	20	X	X	112 851

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333291	Paper industries machinery—Con.								
3332911	Paper industries machinery—Con.								
33329114	Paper mill machines for finishing paper, except calendering or similar rolling	N	X	X	141 139	N	X	X	N
3332911456	Paper mill machines for finishing paper, except calendering or similar rolling	17	X	X	141 139	24	X	X	125 648
33329115	Machines for making bags, boxes, molding articles in paper pulp, paper, and paperboard and paper and paperboard cutting machines, etc.	N	X	X	938 527	N	X	X	N
3332911566	Paper and paperboard cutting machines, except sheeters and winders	14	X	X	20 534	16	X	X	32 552
3332911571	Machines for making paper and paperboard bags, sacks, or envelopes	5	X	X	43 477	3	X	X	D
3332911576	Paper and paperboard corrugated box making machines	20	X	X	422 100	17	X	X	178 110
3332911581	Machines for making paper and paperboard cartons, boxes, cases, tubes, drums, or similar containers, except by molding	15	X	X	170 448	7	X	X	D
3332911586	Machines for molding articles in paper pulp, paper, or paperboard	5	X	X	D	3	X	X	13 776
3332911591	Other paper and paperboard converting equipment, nec, for finishing paper or paperboard	11	X	X	D	N	X	X	N
3332911596	Other paper and paperboard converting equipment, nec, for converting paper and paperboard	32	X	X	154 040	N	X	X	N
3332911Y	Paper industries machinery, nsk	N	X	X	42 248	N	X	X	N
3332911YWV	Paper industries machinery, nsk	N	X	X	42 248	N	X	X	33 705
3332913	Parts and attachments for paper industries machinery (sold separately)	N	X	X	814 234	N	X	X	685 302
33329131	Parts and attachments for paper industries wood preparation equipment (sold separately)	N	X	X	D	N	X	X	N
3332913101	Parts and attachments for paper industries wood preparation equipment (sold separately)	4	X	X	D	7	X	X	15 861
33329132	Parts and attachments for paper industries pulp mill machinery (sold separately)	N	X	X	76 801	N	X	X	N
3332913211	Parts and attachments for paper industries pulp mill machinery (sold separately)	20	X	X	76 801	19	X	X	64 171
33329133	Parts and attachments for paper industry machines for finishing paper	N	X	X	97 047	N	X	X	N
3332913321	Parts and attachments for paper industry machines for finishing paper	14	X	X	97 047	13	X	X	70 117
33329134	Parts and attachments for paper mill machinery, except machines for finishing paper	N	X	X	351 262	N	X	X	N
3332913431	Parts and attachments for paper mill machinery, except machines for finishing paper	26	X	X	351 262	36	X	X	278 601
33329135	Parts and attachments for paper and paperboard converting equipment	N	X	X	263 222	N	X	X	N
3332913541	Parts and attachments for paper and paperboard converting equipment	40	X	X	263 222	45	X	X	241 085
3332913Y	Parts and attachments for paper industries machinery (sold separately), nsk	N	X	X	17 444	N	X	X	N
3332913YWV	Parts and attachments for paper industries machinery (sold separately), nsk	N	X	X	17 444	N	X	X	15 467
333291W	Paper industries machinery, nsk, total	N	X	X	216 359	N	X	X	162 617
333291WY	Paper industries machinery, nsk, total	N	X	X	216 359	N	X	X	N
333291WYWW	Paper industries machinery, nsk, for nonadministrative-record establishments	N	X	X	112 837	N	X	X	124 730
333291WYWY	Paper industries machinery, nsk, for administrative-record establishments	N	X	X	103 522	N	X	X	37 887

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333292	Textile machinery	N	X	X	1 480 767	N	X	X	N
3332921	Textile machinery (except parts, attachments, and accessories)	N	X	X	877 516	N	X	X	N
33329211	Textile machinery, including cleaning and opening fiber-to-fabric machinery, carding and combing fiber-to-fabric frames, and other fiber-fabric yarn preparing machines, except parts, attachments	N	X	X	424 629	N	X	X	N
3332921101	Cleaning and opening fiber-to-fabric textile machinery, including picker, garnetting, and other (except parts, attachments, and accessories)	12	X	X	25 400	11	X	X	27 217
3332921103	Carding and combing fiber-to-fabric textile machines (except parts, attachments, and accessories)	4	X	X	4 561	5	X	X	5 947
3332921106	Other fiber-to-fabric textile machinery (including machines for drawing, roving, and twisting frames)	8	X	X	40 720	N	X	X	N
3332921111	Fiber-to-fabric yarn winding machines (skein, spool, bobbin, quill, cone, etc.) (except parts, attachments, and accessories)	11	X	X	70 201	9	X	X	25 298
3332921116	Other fiber-to-fabric yarn preparing machines (beaming, warping, warp tying, warp drawing in, slashing, etc.) (except parts, attachments, and accessories)	8	X	X	29 775	9	X	X	18 220
3332921121	Machines for extruding, drawing, texturing, or cutting manmade textile materials	16	X	X	176 048	N	X	X	N
3332921131	Fabric weaving machinery, power-driven (including machinery for broad and narrow fabrics), shuttle and shuttleless (except parts, attachments, and accessories)	7	X	X	15 054	5	X	X	9 953
3332921136	Fabric knitting machinery (except parts, attachments, and accessories)	7	X	X	62 870	5	X	X	D
33329212	Other fabric machinery, including lace, embroidery, braiding, and tufting machinery and hand looms, except parts, attachments, and accessories	N	X	X	84 345	N	X	X	N
3332921241	Hand looms machinery	4	X	X	2 861	N	X	X	N
3332921246	Other fabrics machinery (including lace, embroidery, braiding, and tufting machinery)	15	X	X	81 484	N	X	X	N
33329213	Textile bleaching, mercerizing, and dyeing machinery, except parts, attachments, and accessories	N	X	X	82 031	N	X	X	N
3332921351	Mercerizing machinery	—	X	X	—	N	X	X	N
3332921356	Bleaching and dyeing machinery	8	X	X	82 031	N	X	X	N
33329214	Textile printing machinery (except parts, attachments, and accessories)	N	X	X	72 440	N	X	X	N
3332921461	Industrial textile laser printing systems and equipment	—	X	X	—	N	X	X	N
3332921462	Textile printing machinery (except parts, attachments, and accessories)	11	X	X	55 502	13	X	X	31 990
3332921476	Textile machinery for drying stocks, yarns, cloth, carpet, nonwovens, etc. (except parts, attachments, and accessories)	5	X	X	16 938	16	X	X	56 413
33329215	Textile finishing machinery, including calendering or rolling, except parts, attachments, and accessories	N	X	X	89 752	N	X	X	N
3332921566	Finishing machinery, calendering or rolling machines	12	X	X	23 075	N	X	X	N
3332921571	Other finishing machinery	15	X	X	66 677	N	X	X	N
33329216	Other textile machinery, nec, except parts, attachments, and accessories	N	X	X	97 165	N	X	X	N
3332921681	Machinery for the manufacture of finishing of felt or nonwovens in the piece or shapes	5	X	X	9 875	N	X	X	N
3332921686	Textile rope or cable-making machinery	—	X	X	26	N	X	X	N
3332921691	Other textile industries machinery, nec except parts, attachments, and accessories	44	X	X	87 264	N	X	X	N
3332921Y	Textile machinery (except parts, attachments, and accessories), nsk	N	X	X	27 154	N	X	X	N
3332921YVV	Textile machinery (except parts, attachments, and accessories), nsk	N	X	X	27 154	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333292	Textile machinery—Con.								
3332923	Parts and attachments for textile machinery	N	X	X	499 625	N	X	X	477 602
33329231	Textile machinery turning and shapes, including bobbins, shuttles, spools, picker sticks, cops, etc.	N	X	X	12 391	N	X	X	N
3332923101	Textile machinery turnings and shapes, shuttles	3	X	X	D	N	X	X	N
3332923106	Other textile machinery turnings and shapes, of plastics	1	X	X	D	N	X	X	N
3332923111	Other textile machinery turnings and shapes, except of plastics	4	X	X	5 418	N	X	X	N
33329232	Parts and attachemnts for fiber-to-fabric card clothing machinery	N	X	X	32 368	N	X	X	N
3332923216	Parts and attachments for fiber-to-fabric card clothing machinery	8	X	X	32 368	8	X	X	22 813
33329233	Parts and attachments for other fiber-to-fabric machinery, except card clothing	N	X	X	87 703	N	X	X	N
3332923321	Parts and attachments for fiber-to-fabric machinery, dobbies and jacquards; card reducing, copy, punching, or assembling machines	—	X	X	D	N	X	X	N
3332923331	Parts and attachments for fiber-to-fabric machinery, extruding, drawing, texturing or cutting manmade fibers, or for their auxiliary machines	10	X	X	23 967	N	X	X	N
3332923336	Parts and attachments for fiber-to-fabric machinery, preparing textile fibers or of their auxiliary machine	5	X	X	24 779	N	X	X	N
3332923341	Parts and attachments for fiber-to-fabric machinery, spindles, spindle flyers, spinning rings, and ring travelers	2	X	X	730	N	X	X	N
3332923346	Other parts and attachments for fiber-to-fabric machinery or of their auxiliary machinery	13	X	X	D	N	X	X	N
33329234	Part and attachments for weaving machinery	N	X	X	96 056	N	X	X	N
3332923451	Parts and attachments for weaving machinery, reeds for looms, healds and heald-frames	7	X	X	31 376	N	X	X	N
3332923456	Other parts and attachments of weaving machines or their auxiliary machinery (including broad and narrow fabrics)	12	X	X	64 680	N	X	X	N
33329235	Parts and attachments for knitting machinery	N	X	X	35 781	N	X	X	N
3332923561	Parts and attachments for knitting machinery, sinkers, and other articles used forming stitches (exclude needles)	3	X	X	D	N	X	X	N
3332923566	Other parts and attachments for knitting machinery	10	X	X	D	N	X	X	N
33329236	Parts and attachments for finishing machinery	N	X	X	46 807	N	X	X	N
3332923671	Parts and attachments for finishing machinery, calendering, or rolling machines (including cylinder)	5	X	X	6 477	N	X	X	N
3332923681	Other parts and attachments for finishing machines, nec	25	X	X	40 330	N	X	X	N
33329237	Other parts and attachments for textile machinery, nec (including printing)	N	X	X	174 745	N	X	X	N
3332923791	Other parts and attachments for textile machinery, nec (including printing)	55	X	X	174 745	86	X	X	166 169
3332923Y	Parts and attachments for textile machinery, nsk	N	X	X	13 774	N	X	X	N
3332923YWV	Parts and attachments for textile machinery, nsk	N	X	X	13 774	N	X	X	15 172
333292W	Textile machinery, nsk, total	N	X	X	103 626	N	X	X	N
333292WY	Textile machinery, nsk, total	N	X	X	103 626	N	X	X	N
333292WYWW	Textile machinery, nsk, for nonadministrative-record establishments	N	X	X	51 347	N	X	X	N
333292WYWY	Textile machinery, nsk, for administrative-record establishments	N	X	X	52 279	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333293	Printing machinery and equipment	N	X	X	3 211 931	N	X	X	N
3332931	Printing presses, offset lithographic	N	X	X	584 387	N	X	X	616 547
33329311	Small sheet-fed offset lithographic printing presses, less than 14 in. and other sheet-fed lithographic printing presses, 14 in. or more	N	X	X	67 370	N	X	X	N
3332931101	Small sheet-fed offset lithographic printing presses, less than 14 inches	6	X	X	10 948	4	X	X	13 999
3332931111	Other sheet-fed offset lithographic printing presses, 14 inches or more	6	X	X	56 422	4	X	X	13 184
33329312	Offset roll-fed (web-fed) lithographic newspaper printing presses	N	X	X	155 431	N	X	X	N
3332931221	Offset roll-fed (web-fed) lithographic newspaper printing presses	10	X	S	155 431	7	X	S	301 665
33329313	Offset roll-fed, web-fed lithographic printing presses for business forms and other uses	N	X	X	54 014	N	X	X	N
3332931331	Offset roll-fed (web-fed) lithographic business form printing presses	8	X	S	44 036	8	X	X	44 057
3332931351	All other roll-fed (web-fed) offset lithographic printing presses	4	X	X	9 978	6	X	X	10 570
33329314	Offset roll-fed (web-fed) lithographic commercial (including heat-set) printing presses	N	X	X	297 370	N	X	X	N
3332931441	Offset roll-fed (web-fed) lithographic commercial (including heat-set) printing presses	10	X	S	297 370	11	X	X	225 091
3332931Y	Printing presses, offset lithographic, nsk	N	X	X	10 202	N	X	X	N
3332931YVV	Printing presses, offset lithographic, nsk	N	X	X	10 202	N	X	X	7 981
3332933	Printing presses, other than lithographic	N	X	X	383 117	N	X	X	N
33329331	Sheet-fed and web-fed flexographic printing presses includes presses less than 16 inches, and 16 inches or more	N	X	X	228 079	N	X	X	N
3332933101	Sheet-fed and web-fed flexographic printing presses, less than 16 inches	7	X	P559.0	76 900	10	X	9413.0	71 397
3332933111	Sheet-fed and web-fed flexographic printing presses, 16 inches or more	13	X	S	151 179	9	X	X	61 195
33329332	Printing presses, other than lithographic	N	X	X	155 038	N	X	X	N
3332933221	Letterpress printing presses, reel-fed except flexographic	1	X	X	D	N	X	X	N
3332933231	Letterpress printing presses, except reel-fed and flexographic	2	X	X	D	N	X	X	N
3332933241	Gravure printing presses	5	X	X	D	N	X	X	N
3332933251	Industrial laser printing press systems and equipment	—	X	X	—	N	X	X	N
3332933261	Other printing presses, including metal decorating, proof, screen, pad printing, and rebuilt presses	27	X	X	117 755	N	X	X	N
3332933Y	Printing presses, other than lithographic, nsk	N	X	X	—	N	X	X	N
3332933YVV	Printing trades machinery, nec, nsk	N	X	X	—	N	X	X	N
3332935	Typesetting machinery, excluding justifying typewriters	N	X	X	D	N	X	X	133 350
33329351	Phototypesetting machines and other typesetting machinery	N	X	X	D	N	X	X	N
3332935101	Phototypesetting machines	1	X	X	D	N	X	X	N
3332935151	Other typesetting machinery, with or without founding device, excluding justifying typewriters	1	X	X	D	N	X	X	N
3332935Y	Typesetting machinery, excluding justifying typewriters, nsk	N	X	X	—	N	X	X	N
3332935YVV	Typesetting machinery, excluding justifying typewriters, nsk	N	X	X	—	N	X	X	N
3332937	Printing trades binding machinery and equipment, including paper cutting and collating or gathering machines	N	X	X	354 522	N	X	X	177 006

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333293	Printing machinery and equipment—Con.								
3332937	Printing trades binding machinery and equipment, including paper cutting and collating or gathering machines—Con.								
33329371	Printing trades binding machinery and equipment, including paper cutting and collating or gathering machines.	N	X	X	354 026	N	X	X	N
3332937101	Saddle, perfect-adhesive, and hard case (edition) printing trades binding equipment.	11	X	X	99 873	11	X	X	49 178
3332937111	Printing trades paper cutting machines.	10	X	X	18 061	6	X	X	16 739
3332937121	Printing trades collating and-or gathering machines (sold separately).	10	X	X	25 064	12	X	X	22 490
3332937131	Printing trades folding machines.	10	X	X	59 261	6	X	X	18 201
3332937141	Printing trades newspaper inserting equipment.	6	X	X	75 535	5	X	X	43 934
3332937151	Other printing trades binding machinery and equipment, including stitchers and trimmers.	21	X	X	76 232	14	X	X	26 464
3332937Y	Binding machinery and equipment, including paper cutting and collating or gathering machines, nsk.	N	X	X	496	N	X	X	N
3332937YVW	Binding machinery and equipment, including paper cutting and collating or gathering machines, nsk.	N	X	X	496	N	X	X	—
3332939	Printing trades machinery, nec.	N	X	X	1 697 553	N	X	X	N
33329391	Printing trades machinery, nec.	N	X	X	697 289	N	X	X	N
3332939101	Digital electronic prepress systems components and elements (excluding typesetting equipment and cameras).	16	X	X	229 247	5	X	X	32 077
3332939111	Prepress preparatory equipment, phototype composing.	1	X	X	D	N	X	X	N
3332939121	Other prepress preparatory equipment, nec.	11	X	X	36 289	N	X	X	N
3332939131	Industrial etching and engraving laser systems and equipment.	5	X	X	D	N	X	X	N
3332939132	Engravers' materials and equipment, printing type, blocks, plates, cylinders, and other printing components.	31	X	X	336 690	N	X	X	N
3332939141	Other printing trades engravers' materials and equipment.	15	X	X	50 744	N	X	X	N
33329392	Parts, attachments, and accessories for printing presses, including flying pasters, dryers, folders, and reels.	N	X	X	408 923	N	X	X	N
3332939251	Parts, attachments, and accessories for printing presses, including flying pasters, dryers, folders, and reels.	72	X	X	408 923	77	X	X	399 585
33329393	Parts, attachments, and accessories for typesetting machines.	N	X	X	D	N	X	X	N
3332939361	Parts, attachments, and accessories for typesetting machines.	2	X	X	D	1	X	X	N
33329394	Parts, attachments, and accessories for bindery equipment.	N	X	X	51 219	N	X	X	N
3332939471	Parts, attachments, and accessories for bindery equipment.	15	X	X	51 219	14	X	X	30 373
33329395	Parts, attachments, and accessories for prepress preparatory equipment, excluding typesetting and camera parts.	N	X	X	11 158	N	X	X	N
3332939581	Parts, attachments, and accessories for prepress preparatory equipment, excluding typesetting and camera parts.	5	X	X	11 158	6	X	X	14 868
33329396	Parts, attachments, and accessories for other printing trades machinery and equipment.	N	X	X	192 396	N	X	X	N
3332939686	Parts, attachments, and accessories for other printing trades machinery and equipment.	53	X	X	192 396	35	X	X	N
33329397	Other printing trades machinery and equipment, including platens, except typewriters.	N	X	X	282 527	N	X	X	N
3332939791	Other printing trades machinery and equipment, including platens, except typewriters.	35	X	X	282 527	41	X	X	174 892
3332939Y	Printing trades machinery, nec, nsk.	N	X	X	31 167	N	X	X	N
3332939YVW	Printing trades machinery, nec, nsk.	N	X	X	31 167	N	X	X	N

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333293	Printing machinery and equipment—Con.								
333293W	Printing trades machinery, nsk, total	N	X	X	157 394	N	X	X	N
333293WY	Printing trades machinery, nsk, for nonadministrative-record establishments	N	X	X	157 394	N	X	X	N
333293WYWW	Printing trades machinery, nsk, for administrative-record establishments	N	X	X	51 160	N	X	X	N
333293WYWY	Printing machinery and equipment manufacturing, nsk, for administrative-record establishments	N	X	X	106 234	N	X	X	N
333294	Food products machinery	N	X	X	2 564 441	N	X	X	2 101 639
3332941	Dairy and milk products plant machinery and equipment, except bottling and packaging	N	X	X	285 898	N	X	X	261 683
33329411	Dairy and milk products plant machinery and equipment, except bottling and packaging	N	X	X	282 408	N	X	X	N
3332941101	Industrial cream separator	3	X	X	D	N	X	X	N
3332941102	Dryers for treating milk and dairy products	3	X	X	D	N	X	X	N
3332941103	Dairy and milk product plant freezing equipment (including ice cream freezers)	5	X	X	D	N	X	X	N
3332941131	Other industrial machinery and equipment for treating milk and dairy products by means of a change in temperature	11	X	X	38 626	N	X	X	N
3332941141	Other dairy and milk products plant machinery and equipment	20	X	X	70 298	N	X	X	N
3332941171	Parts and attachments for dairy and milk products plant machinery and equipment, except for bottling and packaging equipment	13	X	X	40 296	17	X	X	31 563
3332941Y	Dairy and milk products plant machinery and equipment, except bottling and packaging, nsk	N	X	X	3 490	N	X	X	N
3332941YWV	Dairy and milk products plant machinery and equipment, except bottling and packaging, nsk	N	X	X	3 490	N	X	X	951
3332943	Commercial food products machinery, except packaging machinery and food cooking and warming equipment	N	X	X	943 885	N	X	X	753 323
33329431	Commercial food products slicers	N	X	X	98 212	N	X	X	N
3332943111	Commercial food products slicers	15	X	X	98 212	20	X	X	111 111
33329432	Commercial food products choppers, grinders, cutters, dicers, and similar machines	N	X	X	159 683	N	X	X	N
3332943221	Commercial food products choppers, grinders, cutters, dicers, and similar machines	36	X	X	159 683	23	X	X	113 978
33329433	Commercial food products mixers and whippers, except drink mixers	N	X	X	89 555	N	X	X	N
3332943331	Commercial food products mixers and whippers, except drink mixers	15	X	X	89 555	16	X	X	80 368
33329434	Other commercial food preparation machines, including tenderizers (power-driven), except packaging machinery and food cooking and warming equipment	N	X	X	156 499	N	X	X	N
3332943441	Other commercial food preparation machines, including tenderizers (power-driven), except packaging machinery and food cooking and warming equipment	40	X	X	156 499	35	X	X	100 769
33329435	Parts and attachments for commercial food preparation machines, except packaging machinery and food cooking and warming equipment	N	X	X	120 384	N	X	X	N
3332943551	Parts and attachments for commercial food preparation machines, except packaging machinery and food cooking and warming equipment	43	X	X	120 384	37	X	X	118 327
33329436	Bakery machinery and equipment, except packaging machinery	N	X	X	285 027	N	X	X	N
3332943661	Industrial bakery dough mixers, dividers, and molders	19	X	X	76 908	20	X	X	60 881
3332943671	Industrial bakery bake ovens, including traveling tray	20	X	X	91 531	15	X	X	49 875
3332943681	Industrial rolling machines including pastry for the manufacture of bakery products	5	X	X	9 187	N	X	X	N
3332943691	Other industrial bakery machinery and equipment	31	X	X	107 401	N	X	X	N

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333294	Food products machinery—Con.								
3332943	Commercial food products machinery, except packaging machinery and food cooking and warming equipment—Con.								
3332943Y	Commercial food products machinery, except packaging machinery and food cooking and warming equipment, nsk	N	X	X	34 525	N	X	X	N
3332943YVV	Commercial food products machinery, except packaging machinery and food cooking and warming equipment, nsk	N	X	X	34 525	N	X	X	35 737
3332945	Industrial machinery and equipment for manufacturing or processing foods, beverages, and animal or fowl feed	N	X	X	1 089 558	N	X	X	817 377
33329451	Other industrial food and feed products machinery	N	X	X	532 834	N	X	X	N
3332945101	Industrial presses, crushers, and similar machinery used in the production of wine, cider, fruit juices, and similar beverages	13	X	X	54 316	4	X	X	N
3332945111	Industrial machinery, nec, for the preparation of fruits, vegetables, and nuts (not including the extraction or preparation of fixed vegetable oils)	9	X	X	13 553	32	X	X	63 527
3332945116	Industrial machinery and equipment for freezing or rapid chilling of food products	17	X	X	26 892	N	X	X	N
3332945121	Industrial driers for the manufacture of food products	7	X	X	30 576	N	X	X	N
3332945131	Industrial machinery and equipment, nec, for treating food products by a process involving a change in temperature (e.g., cooking or roasting)	28	X	X	85 670	N	X	X	N
3332945135	Industrial machines for cleaning, sorting, or grading seed, grain, or dried leguminous vegetables	6	X	X	16 201	N	X	X	N
3332945141	Other industrial machinery used in the milling industry or for working of cereals or dried leguminous vegetables	3	X	X	1 999	N	X	X	N
3332945151	Industrial machinery, nec, for the extraction or preparation of animal or fixed vegetable fats or oils	4	X	X	8 179	N	X	X	N
3332945161	Other industrial food and feed products machinery	66	X	X	295 448	N	X	X	N
33329452	Industrial machinery for sorting, grading, or cleaning fruits, vegetables, or eggs, and machinery nec, for processing and preparing meat and poultry	N	X	X	297 454	N	X	X	N
3332945206	Industrial machinery for sorting, grading, or cleaning fruits, vegetables, or eggs	30	X	X	98 395	44	X	X	109 269
3332945208	Industrial machinery and equipment, nec, for processing and preparing meat and poultry (not including the extraction or preparation of oils)	37	X	X	199 059	49	X	X	141 813
33329453	Parts and attachments for industrial food products machinery	N	X	X	188 311	N	X	X	N
3332945371	Parts and attachments for bakery furnaces and ovens	4	X	X	3 694	N	X	X	N
3332945376	Parts and attachments for presses, crushers, and similar machinery used in the production of wine, cider, fruit juices, and similar beverages	6	X	X	4 480	N	X	X	N
3332945381	Parts and attachments for sorting, grading, or cleaning fruits, vegetables, or eggs	11	X	X	17 669	N	X	X	N
3332945386	Parts and attachments used in the milling industry or for the working of cereals or dried leguminous vegetables	1	X	X	D	N	X	X	N
3332945391	Other parts and attachments for industrial food products machinery	52	X	X	D	N	X	X	N
3332945Y	Industrial machinery and equipment for manufacturing or processing foods, beverages, and animal or fowl feed, nsk	N	X	X	70 959	N	X	X	N
3332945YVV	Industrial machinery and equipment for manufacturing or processing foods, beverages, and animal or fowl feed, nsk	N	X	X	70 959	N	X	X	19 133

Table 1. Products Statistics: 1997 and 1992—Con.

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		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333294	Food products machinery— Con.								
333294W	Food products machinery, nsk, total	N	X	X	245 100	N	X	X	269 256
333294WY	Food products machinery, nsk, total	N	X	X	245 100	N	X	X	N
333294WYWW	Food products machinery, nsk, for nonadministrative-record establishments	N	X	X	110 214	N	X	X	227 875
333294WYWY	Food products machinery, nsk, for administrative-record establishments	N	X	X	134 886	N	X	X	41 381
333295	Semiconductor manufacturing equipment	N	X	X	10 072 595	N	X	X	N
3332950	Semiconductor manufacturing equipment (except furnaces and ovens, instruments, and photographic)	N	X	X	10 072 595	N	X	X	N
33329501	Semiconductor wafer processing equipment, thin layer chemical vapor deposition	N	X	X	1 029 182	N	X	X	N
3332950106	Semiconductor wafer processing equipment, thin layer chemical vapor deposition	11	X	X	1 029 182	15	X	X	352 475
33329502	Semiconductor wafer processing equipment, thin layer physical vapor deposition	N	X	X	658 280	N	X	X	N
3332950211	Semiconductor wafer processing equipment, thin layer physical vapor deposition	8	X	X	658 280	9	X	X	175 235
33329503	Semiconductor wafer processing equipment, plasma etch	N	X	X	793 702	N	X	X	N
3332950326	Semiconductor wafer processing equipment, plasma etch	10	X	X	793 702	6	X	X	227 241
33329504	Other semiconductor equipment	N	X	X	4 987 189	N	X	X	N
3332950401	Micro lithography, including aligners and other lithography systems	10	X	X	430 515	N	X	X	N
3332950416	Semiconductor wafer processing equipment, thin layer epitaxial growth deposition	6	X	X	95 874	8	X	X	66 595
3332950421	Semiconductor wafer processing equipment, wet etch	11	X	X	262 057	10	X	X	79 168
3332950431	Semiconductor wafer processing equipment, reactive ion etch	2	X	X	D	4	X	X	D
3332950436	Semiconductor wafer processing equipment, stripping systems	5	X	X	D	2	X	X	D
3332950441	Ion implantation including current and voltage ion implanters	15	X	X	867 453	N	X	X	N
3332950446	Wafer processing equipment to saw (slice) blank wafers from crystal boules	2	X	X	D	N	X	X	N
3332950451	Wafer processing equipment designed to grind or polish semiconductor wafers	4	X	X	D	N	X	X	N
3332950456	Wafer processing equipment, pattern generating apparatus to produce masks and reticles from photoresist coated substrates, except focused ion beam milling machines	11	X	X	315 270	N	X	X	N
3332950461	Other semiconductor wafer processing equipment	59	X	X	1 987 802	N	X	X	N
3332950466	Semiconductor assembly dicing machines, including saws and scribing-fracturing machines	3	X	X	D	N	X	X	N
3332950471	Semiconductor assembly die bonders	7	X	X	D	6	X	X	12 717
3332950476	Semiconductor assembly wire bonders	6	X	X	D	3	X	X	D
33329505	Other parts and packaging of semiconductor manufacturing machinery	N	X	X	2 350 611	N	X	X	N
3332950581	Packaging, including mold and seal equipment and finish and mark equipment	9	X	X	64 116	N	X	X	N
3332950586	Other assembly and packaging equipment, including lead frame inserting machines	14	X	X	D	N	X	X	N
3332950591	Parts of machine tools designed to produce or process semiconductor wafers	19	X	X	66 395	N	X	X	N
3332950596	Parts of ion beam and plasma machines designed to process semiconductor wafers and designs by removal of material	8	X	X	70 161	N	X	X	N
33329505A1	Parts of ion implanters designed for doping semiconductor wafers	5	X	X	102 996	N	X	X	N
33329505A6	Parts of apparatus for the projection of circuit patterns on sensitized semiconductor materials	1	X	X	D	N	X	X	N
33329505B1	Parts of pattern generating apparatus designed to produce masks and reticles from photoresist coated substrates	5	X	X	D	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333295	Semiconductor manufacturing equipment—Con.								
3332950	Semiconductor manufacturing equipment (except furnaces and ovens, instruments, and photographs)—Con.								
33329505	Other parts and packaging of semiconductor manufacturing machinery—Con.								
33329505B6	Other parts of semiconductor manufacturing machinery	50	X	X	1 172 552	N	X	X	N
3332950Y	Printed circuit board manufacturing machinery, except testing, nsk	N	X	X	253 631	N	X	X	N
3332950YWW	Semiconductor manufacturing machinery, nec, nsk, for nonadministrative-record establishments	N	X	X	228 201	N	X	X	N
3332950YWY	Semiconductor manufacturing machinery, nec, nsk, for administrative-record establishments	N	X	X	25 430	N	X	X	N
333298	All other industrial machinery and equipment	N	X	X	7 908 464	N	X	X	N
3332981	Chemical manufacturing machinery, equipment, and parts	N	X	X	1 311 474	N	X	X	818 758
33329811	Chemical manufacturing mixing, kneading, crushing, grinding, sifting, homogenizing (except dairy), emulsifying, or stirring machines	N	X	X	290 507	N	X	X	N
3332981121	Chemical manufacturing mixing, kneading, crushing, grinding, sifting, homogenizing (except dairy), emulsifying, or stirring machines	47	X	X	290 507	41	X	X	161 320
33329812	Other chemical manufacturing machines and equipment	N	X	X	862 331	N	X	X	N
3332981201	Chemical manufacturing distilling, rectifying, or fractionating machinery and equipment	12	X	X	78 382	14	X	X	37 800
3332981206	Chemical manufacturing heat exchange units	14	X	X	104 092	19	X	X	65 241
3332981211	Chemical manufacturing dryers	24	X	X	82 280	24	X	X	64 036
3332981216	Chemical manufacturing gas or air liquefying machinery	5	X	X	95 507	7	X	X	77 961
3332981226	Other chemical manufacturing machines and equipment	49	X	X	502 070	51	X	X	214 143
33329813	Parts for chemical manufacturing machinery and equipment	N	X	X	137 119	N	X	X	N
3332981331	Parts for chemical manufacturing distilling, rectifying, fractionating, heat exchange, dryers, gas or air liquefying machinery and equipment	15	X	X	34 777	22	X	X	103 790
3332981336	Parts for other chemical manufacturing machinery and equipment	37	X	X	102 342	28	X	X	50 181
3332981Y	Chemical manufacturing machinery, equipment, and parts, nsk	N	X	X	21 517	N	X	X	N
3332981YWW	Chemical manufacturing machinery, equipment, and parts, nsk	N	X	X	21 517	N	X	X	44 286
3332983	Foundry machinery and equipment, excluding patterns and molds	N	X	X	367 622	N	X	X	319 026
33329831	Foundry machinery and equipment, including converters, excluding patterns and molds	N	X	X	275 454	N	X	X	N
3332983101	Foundry pouring equipment, including ladles, crucibles, and pouring machines	16	X	X	23 754	12	X	X	22 604
3332983106	Foundry molding and core-making machines	10	X	X	27 293	N	X	X	N
3332983111	Foundry casting machines, except die casting machines, patterns, and molds	10	X	X	19 733	5	X	X	13 956
3332983116	Foundry blast cleaning machines (hydraulic, pneumatic, and airless)	13	X	X	79 425	14	X	X	70 402
3332983121	Other foundry machinery and equipment, including converters, excluding patterns and molds	30	X	X	125 249	N	X	X	N
33329832	Parts for foundry machinery and equipment	N	X	X	84 521	N	X	X	N
3332983226	Parts for foundry blast cleaning machines	7	X	X	11 901	N	X	X	N
3332983231	Other parts for foundry machinery and equipment	31	X	X	72 620	N	X	X	N
3332983Y	Foundry machinery and equipment, excluding patterns and molds, nsk	N	X	X	7 647	N	X	X	N
3332983YWW	Foundry machinery and equipment, excluding patterns and molds, nsk	N	X	X	7 647	N	X	X	22 004

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333298	All other industrial machinery and equipment—Con.								
3332985	Printed circuit board manufacturing machinery, except testing	N	X	X	941 482	N	X	X	575 522
33329851	Through-hole printed circuit board manufacturing machinery, except testing	N	X	X	250 236	N	X	X	N
3332985106	Through-hole printed circuit board manufacturing machinery, except testing	34	X	X	250 236	35	X	X	203 281
33329852	Other printed circuit board manufacturing machinery and equipment, and parts, accessories, and attachments, except testing	N	X	X	583 262	N	X	X	N
3332985201	Surface mount printed circuit board manufacturing machinery, except testing	55	X	X	360 263	32	X	X	176 862
3332985211	Other printed circuit board manufacturing machinery and equipment, except testing	41	X	X	222 999	43	X	X	116 834
33329853	Parts, attachments, and accessories for printed circuit board manufacturing machinery and equipment, except testing	N	X	X	73 759	N	X	X	N
3332985316	Parts, attachments, and accessories for printed circuit board manufacturing machinery and equipment, except testing	28	X	X	73 759	25	X	X	46 505
3332985Y	Printed circuit board manufacturing machinery, except testing, nsk	N	X	X	34 225	N	X	X	N
3332985YVV	Printed circuit board manufacturing machinery, except testing, nsk	N	X	X	34 225	N	X	X	32 040
3332987	Special industry machinery and equipment, nec @	N	X	X	4 379 791	N	X	X	N
33329871	Other special industry machines, including petroleum refining, ammunition, grinding or polishing machines for glass working, and other machines, nec	N	X	X	1 058 507	N	X	X	N
3332987101	Petroleum refining, distilling, or fractionating machinery and equipment	13	X	X	207 505	N	X	X	N
3332987106	Petroleum refining heat exchange units	1	X	X	D	N	X	X	N
3332987111	Other petroleum refining machinery	2	X	X	D	N	X	X	N
3332987121	Ammunition and explosive loading machinery, except parts	4	X	X	8 291	9	X	X	19 461
3332987131	Tobacco processing machinery, except parts	10	X	X	37 710	14	X	X	39 200
3332987141	Sawing machines for working stone, ceramics, or like materials (including glass)	7	X	X	14 678	5	X	X	8 685
3332987146	Grinding or polishing machines for glass working	4	X	X	D	3	X	X	1 821
3332987151	Grinding or polishing machines for working stone, ceramics, or like materials (except glass)	8	X	X	16 358	10	X	X	15 666
3332987156	Other special industry glass working machines	6	X	X	42 840	11	X	X	59 701
3332987161	Other special industry machines for working stone, ceramics, or like materials (except glass)	6	X	X	11 899	17	X	X	33 744
3332987171	Clay products forming equipment (brick, tile, ceramic), except parts	5	X	X	12 500	13	X	X	30 730
3332987181	Concrete block forming equipment, except parts	3	X	X	D	5	X	X	32 031
3332987186	Other concrete products forming equipment, except parts	11	X	X	44 525	10	X	X	18 479
3332987196	Cement making machinery, except parts	5	X	X	48 931	5	X	X	D
33329871B6	Cotton ginning machinery, except parts	8	X	X	63 890	7	X	X	66 373
33329871C6	Fuel fired kilns for cement, wood, and chemical processing and parts thereof	7	X	X	61 460	12	X	X	35 616
33329871G6	Distilling or rectifying equipment for desalinization	1	X	X	D	N	X	X	N
33329871H1	Heat exchange units for desalinization	2	X	X	D	N	X	X	N
33329871H6	Filtering or purifying machinery and apparatus for desalinization	8	X	X	103 469	N	X	X	N
33329871J1	Other desalinization equipment	2	X	X	D	N	X	X	N
33329871K1	Footware manufacturing or repairing machinery, and parts thereof (except shoe sole stitching machines)	8	X	X	15 405	N	X	X	N
33329871K6	Industrial sewing machine heads (including shoe sole stitching machine heads)	12	X	X	45 003	N	X	X	N
33329871M1	Automatic industrial sewing machinery	13	X	X	58 995	N	X	X	N
33329871M6	Nonautomatic industrial sewing machinery	7	X	X	15 004	N	X	X	N

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333298	All other industrial machinery and equipment—Con.								
3332987	Special industry machinery and equipment, nec @—Con.								
33329871	Other special industry machines, including petroleum refining, ammunition, grinding or polishing machines for glass working, and other machines, nec—Con.								
33329871N1	Industrial sewing machine furniture and other parts and attachments	17	X	X	53 452	N	X	X	N
33329871N6	Machines for insulating electrical wire for cable and parts thereof	2	X	X	D	5	X	X	20 736
33329871P1	Electric battery manufacturing machinery, except parts	10	X	X	43 541	12	X	X	23 945
33329871R1	Household sewing machines (including heads for sale with cabinets or cases, and heads for sale separately)	—	X	X	D	N	X	X	N
33329871R6	Parts for household sewing machines	4	X	X	19 105	N	X	X	N
33329872	Parts for special industry machinery and equipment	N	X	X	374 548	N	X	X	N
3332987216	Parts for petroleum refining machinery	5	X	X	D	11	X	X	99 703
3332987226	Parts for ammunition and explosive loading machinery	—	X	X	—	2	X	X	D
3332987236	Parts for tobacco processing machinery	6	X	X	13 326	9	X	X	10 014
3332987266	Parts for machines for working stone, ceramics, or like materials (including glass)	10	X	X	11 809	15	X	X	21 261
3332987276	Parts for clay products forming equipment (brick, tile, ceramic)	4	X	X	17 794	5	X	X	15 789
3332987291	Parts for concrete products forming equipment	7	X	X	58 186	8	X	X	53 589
33329872A1	Parts for cement making machinery	5	X	X	9 176	4	X	X	D
33329872B1	Parts for glassmaking machinery and equipment	19	X	X	137 688	14	X	X	83 089
33329872C1	Parts for cotton ginning machinery	8	X	X	18 992	6	X	X	24 540
33329872D6	Parts for electroplating equipment	8	X	X	8 368	6	X	X	7 834
33329872F6	Parts for metal finishing equipment	12	X	X	7 551	14	X	X	12 645
33329872J6	Parts of desalinization equipment	2	X	X	D	N	X	X	N
33329872P6	Parts for electric battery making machines	8	X	X	8 033	6	X	X	8 152
33329873	Metal finishing, degreasing, and metal plating equipment, except rolling mill equipment, and parts	N	X	X	294 706	N	X	X	N
33329873D1	Electroplating equipment (except rolling mill lines and parts)	13	X	X	56 997	20	X	X	45 952
33329873E1	Vibratory metal finishing machines, except parts	6	X	X	5 155	7	X	X	9 776
33329873E6	Metal plating equipment, except electroplating and parts	9	X	X	10 877	14	X	X	21 033
33329873F1	Other metal finishing equipment, except electroplating, rolling mill equipment, and parts	20	X	X	117 620	31	X	X	114 353
33329873G1	Metal degreasing machines and parts thereof	17	X	X	104 057	16	X	X	33 496
33329874	Glassmaking machinery and equipment, including machines for hot working glass or glassware, except parts	N	X	X	205 818	N	X	X	N
33329874A6	Glassmaking machinery and equipment, including machines for hot working glass or glassware, except parts	15	X	X	205 818	20	X	X	191 058
33329875	Special industry machinery and parts, nec	N	X	X	2 071 237	N	X	X	N
33329875R1	Special industry machinery and parts, nec	315	X	X	2 071 237	N	X	X	N
3332987Y	Special industry machinery and equipment, nec, nsk	N	X	X	374 975	N	X	X	N
3332987YWV	Special industry machinery and equipment, nec, nsk	N	X	X	374 975	N	X	X	N
333298W	All other industrial machinery manufacturing, nec, nsk, total	N	X	X	908 095	N	X	X	N
333298WY	All other industrial machinery manufacturing, nec, nsk, total	N	X	X	908 095	N	X	X	N
333298WYWW	All other industrial machinery manufacturing, nec, nsk, for nonadministrative-record establishments	N	X	X	682 777	N	X	X	N
333298WYWY	All other industrial machinery manufacturing, nec, nsk, for administrative-record establishments	N	X	X	225 318	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333311	Automatic vending machines	N	X	X	1 245 138	N	X	X	786 822
3333111	Automatic merchandising machines, coin-operated (vending), excluding money changing machines, coin-operated mechanisms, and parts	N	X	X	924 347	N	X	X	558 993
33331110	Automatic merchandising machines, coin-operated (vending), excluding money changing machines, coin-operated mechanisms, and parts	N	X	X	924 347	N	X	X	N
3333111000	Automatic merchandising machines, coin-operated (vending), excluding money changing machines, coin-operated mechanisms, and parts	41	X	X	924 347	41	X	X	558 993
3333112	Coin-operated mechanisms and parts for automatic merchandising machines	N	X	X	273 501	N	X	X	193 506
33331121	Coin-operated mechanisms for vending machines, sold separately	N	X	X	115 171	N	X	X	N
3333112155	Coin-operated mechanisms which are time switches	5	X	X	D	N	X	X	N
3333112159	Other coin-operated mechanisms for vending machines	8	X	X	D	N	X	X	N
33331122	Parts for automatic merchandising machines, except coin-operated mechanisms	N	X	X	155 111	N	X	X	N
3333112269	Parts for automatic merchandising machines, except coin-operated mechanisms	21	X	X	155 111	20	X	X	77 554
3333112Y	Coin-operated mechanisms and parts for automatic merchandising machines, nsk	N	X	X	3 219	N	X	X	N
3333112YWV	Coin-operated mechanisms and parts for automatic merchandising machines, nsk	N	X	X	3 219	N	X	X	373
333311W	Automatic merchandising machines, nsk, total	N	X	X	47 290	N	X	X	34 323
333311WY	Automatic merchandising machines, nsk, total	N	X	X	47 290	N	X	X	N
333311WYWW	Automatic merchandising machines, nsk, for nonadministrative-record establishments	N	X	X	1 087	N	X	X	25 770
333311WYWY	Automatic merchandising machines, nsk, for administrative-record establishments	N	X	X	46 203	N	X	X	8 553
333312	Commercial laundry, drycleaning and pressing machines	N	X	X	574 333	N	X	X	555 812
3333120	Commercial laundry, drycleaning, and pressing machinery and equipment	N	X	X	574 333	N	X	X	555 812
33331201	Commercial laundry washing machines, except parts, attachments, and accessories	N	X	X	161 849	N	X	X	N
3333120101	Commercial laundry equipment, washers, and washer-extractor combinations	10	X	X	161 849	N	X	X	N
33331202	Commercial laundry drying tumblers, except parts, attachments, and accessories	N	X	X	107 162	N	X	X	N
3333120211	Commercial coin-operated laundry drying tumblers, more than 10 kg (22 lb) load capacity, except parts, attachments, and accessories	5	X	X	69 382	7	X	X	71 211
3333120241	Commercial laundry drying tumblers, other than centrifugal dryers and coin-operated machines more than 10kg (22 lb.) load capacity, except parts, attachments, and accessories	6	X	X	37 780	N	X	X	N
33331203	Other commercial laundry equipment, except parts, attachments, and accessories	N	X	X	117 262	N	X	X	N
3333120351	Commercial laundry presses, more than 10 kg (22 lb) load capacity, except parts, attachments, and accessories	8	X	X	48 154	6	X	X	42 843
3333120361	Commercial laundry equipment, flatwork ironers	2	X	D	D	N	X	X	N
3333120366	Other commercial laundry equipment (more than 10kg (22 lb) load capacity) including extractors only, except parts, attachments, and accessories	13	X	D	D	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333312	Commercial laundry, drycleaning and pressing machines—Con.								
3333120	Commercial laundry, drycleaning, and pressing machinery and equipment—Con.								
33331204	Parts, attachments, and accessories for commercial laundry equipment and presses	N	X	X	91 559	N	X	X	N
3333120471	Parts, attachments, and accessories for commercial laundry equipment and presses, more than 10 kg (22 lb) load capacity	22	X	X	74 684	20	X	X	63 078
3333120491	Parts, attachments, and accessories for commercial drycleaning equipment and clothing presses	9	X	X	16 875	10	X	X	17 125
33331205	Commercial drycleaning units, presses, including garment manufacturers' needle trades presses, reclaiming units, etc., except parts, attachments, and accessories	N	X	X	62 762	N	X	X	N
3333120577	Commercial drycleaning machines	6	X	X	17 032	N	X	X	N
3333120581	Commercial drycleaning presses and garment manufactures (needle trades) presses	5	X	X	16 106	N	X	X	N
3333120586	Other commercial drycleaning and presses machinery	7	X	X	29 624	N	X	X	N
3333120Y	Commercial laundry equipment, nsk	N	X	X	33 739	N	X	X	N
3333120YWW	Commercial laundry equipment, nsk, for nonadministrative-record establishments	N	X	X	18 339	N	X	X	42 805
3333120YWY	Commercial laundry equipment, nsk, for administrative-record establishments	N	X	X	15 400	N	X	X	9 438
333313	Office machines	N	X	X	2 870 386	N	X	X	N
3333131	Automatic typing and word processing machines, including parts and attachments	N	X	X	D	N	X	X	480 903
33331310	Automatic typing and word processing machines, including parts and attachments	N	X	X	D	N	X	X	N
3333131000	Automatic typing and word processing machines, including parts and attachments	5	X	X	D	6	X	X	480 903
3333134	Calculating and accounting machines, except point-of-sales terminals and funds transfer devices @	N	X	X	43 990	N	X	X	N
33331340	Calculating and accounting machines, except point-of-sales terminals and funds transfer devices	N	X	X	43 990	N	X	X	N
3333134000	Calculating and accounting machines, except point-of-sales terminals and funds transfer devices	8	X	X	43 990	N	X	X	N
3333137	Duplicating machines, except parts and attachments	N	X	X	129 535	N	X	X	D
33331370	Duplicating machines, except parts and attachments	N	X	X	129 535	N	X	X	N
3333137000	Duplicating machines, except parts and attachments	9	X	X	129 535	8	X	X	D
333313A	Mailing, letter handling, and addressing machines, except parts and attachments @	N	X	X	1 405 817	N	X	X	1 171 762
333313A0	Mailing, letter handling, and addressing machines, except parts and attachments	N	X	X	1 405 817	N	X	X	N
333313A000	Mailing, letter handling, and addressing machines, except parts and attachments	29	X	X	1 405 817	35	X	X	1 171 762
333313D	Standard typewriters, dictating, transcribing, and recording machines, nec, except parts and attachments @	N	X	X	386 035	N	X	X	N
333313D0	Standard typewriters, dictating, transcribing, and recording machines, nec, except parts and attachments	N	X	X	386 035	N	X	X	N
333313D000	Standard typewriters, dictating, transcribing, and recording machines, nec, except parts and attachments	23	X	X	386 035	N	X	X	N
333313G	Parts and attachments for calculating and accounting machines	N	X	X	D	N	X	X	N
333313G0	Parts and attachments for calculating and accounting machines	N	X	X	D	N	X	X	N
333313G000	Parts and attachments for calculating and accounting machines	4	X	X	D	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333313	Office machines—Con.								
333313J	Parts and attachments for standard typewriters, dictating, transcribing, and recording machines, nec	N	X	X	527 617	N	X	X	N
333313J0	Parts and attachments for standard typewriters, dictating, transcribing, and recording machines, nec	N	X	X	527 617	N	X	X	N
333313J000	Parts and attachments for standard typewriters, dictating, transcribing, and recording machines, nec	40	X	X	527 617	N	X	X	N
333313W	Office machines, nec, nsk, total	N	X	X	185 591	N	X	X	N
333313WY	Office machines, nec, nsk, total	N	X	X	185 591	N	X	X	N
333313WYWW	Office machinery manufacturing for non-administrative record establishments	N	X	X	164 729	N	X	X	N
333313WYWY	Office machines, nec, nsk, for administrative-record establishments	N	X	X	20 862	N	X	X	N
333314	Optical instruments and lenses	N	X	X	2 959 925	N	X	X	N
3333141	Sighting, tracking, and fire-control equipment, optical-type @	N	X	X	608 261	N	X	X	N
33331410	Sighting, tracking, and fire-control equipment, optical-type	N	X	X	608 261	N	X	X	N
3333141000	Sighting, tracking, and fire-control equipment, optical-type	69	X	X	608 261	N	X	X	N
3333143	Optical instruments and lenses, nec @	N	X	X	2 159 430	N	X	X	1 601 205
33331431	Binoculars and astronomical instruments	N	X	X	63 099	N	X	X	N
3333143110	Binoculars and astronomical instruments	22	X	X	63 099	16	X	X	67 950
33331432	Other optical instruments and lenses (except sighting, tracking, and fire-control)	N	X	X	2 081 761	N	X	X	N
3333143230	Other optical instruments and lenses (except sighting, tracking, and fire-control)	239	X	X	2 081 761	196	X	X	1 413 172
3333143Y	Optical instruments and lenses, nec, nsk	N	X	X	14 570	N	X	X	N
3333143YWV	Optical instruments and lenses, nec, nsk	N	X	X	14 570	N	X	X	120 083
333314W	Optical instrument and lens manufacturing, nsk, total	N	X	X	192 234	N	X	X	N
333314WY	Optical instrument and lens manufacturing, nsk, total	N	X	X	192 234	N	X	X	N
333314WYWW	Optical instrument and lens manufacturing, nsk, for nonadministrative-record establishments	N	X	X	127 762	N	X	X	N
333314WYWY	Optical instrument and lens manufacturing, nsk, for administrative-record establishments	N	X	X	64 472	N	X	X	N
333315	Photographic and photocopying equipment	N	X	X	6 292 074	N	X	X	N
3333151	Still picture photographic equipment	N	X	X	1 004 183	N	X	X	N
33331511	Still cameras (hand-type cameras, process cameras for photoengraving and photolithography, and other still cameras)	N	X	X	166 969	N	X	X	N
3333151101	Still cameras (hand-type cameras, process cameras for photoengraving and photolithography, and other still cameras)	15	X	X	166 969	N	X	X	N
33331512	Projectors, except rear screen viewers	N	X	X	118 669	N	X	X	N
3333151206	Projectors, except rear screen viewers	10	X	X	118 669	6	X	X	55 562
33331513	Still picture commercial-type processing equipment for film	N	X	X	34 887	N	X	X	N
3333151311	Still picture commercial-type processing equipment for film	9	X	X	34 887	14	X	X	127 289
33331514	All other still picture commercial-type processing equipment (developing machines, motor-operated print washers and driers, etc.)	N	X	X	165 195	N	X	X	N
3333151416	All other still picture commercial-type processing equipment (developing machines, motor-operated print washers and driers, etc.)	15	X	X	165 195	15	X	X	115 457

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333315	Photographic and photocopying equipment—Con.								
3333151	Still picture photographic equipment—Con.								
33331515	Other still picture equipment, parts, attachments, and accessories, including photographic laser systems and equipment (excluding projection screens)	N	X	X	463 156	N	X	X	N
3333151521	Other still picture equipment, parts, attachments, and accessories, including photographic laser systems and equipment (excluding projection screens)	36	X	X	463 156	N	X	X	N
3333151Y	Still picture photographic equipment, nsk	N	X	X	55 307	N	X	X	N
3333151YWV	Still picture photographic equipment, nsk	N	X	X	55 307	N	X	X	N
3333153	Photocopying equipment, including diffusion transfer, dye transfer, electrostatic, light and heat sensitive types, etc.	N	X	X	D	N	X	X	D
33331531	Photocopying equipment, including diffusion transfer, dye transfer, electrostatic, light and heat sensitive types, etc.	N	X	X	D	N	X	X	N
3333153100	Photocopying equipment, including diffusion transfer, dye transfer, electrostatic, light and heat sensitive types, etc.	23	X	X	D	16	X	X	D
3333155	Microfilming, blueprinting, and whiteprinting equipment	N	X	X	140 190	N	X	X	N
33331551	Microfilming equipment (including microfiche)	N	X	X	D	N	X	X	N
3333155101	Microfilming equipment (including microfiche), cameras, including computer output	8	X	X	13 192	8	X	X	45 845
3333155106	Microfilming equipment (including microfiche), microfilm readers, excluding handheld and service type	3	X	X	D	4	X	X	N
3333155111	Microfilming equipment (including microfiche), microfilm reader-printers	4	X	X	D	7	X	X	27 734
3333155116	Other microfilming equipment (including microfiche)	12	X	X	112 530	9	X	X	123 307
33331552	Blueprinting and whiteprinting (direct process type) equipment	N	X	X	D	N	X	X	N
3333155221	Blueprinting and whiteprinting (direct process type) equipment	3	X	X	D	4	X	X	N
3333155Y	Microfilming, blueprinting, and whiteprinting equipment, nsk	N	X	X	809	N	X	X	N
3333155YWV	Microfilming, blueprinting, and whiteprinting equipment, nsk	N	X	X	809	N	X	X	Z
3333157	Motion picture equipment	N	X	X	D	N	X	X	212 551
33331571	Motion picture equipment (all sizes 8 mm and greater), excluding projection screens and processing equipment	N	X	X	240 422	N	X	X	N
3333157101	Motion picture equipment (all sizes 8 mm and greater), excluding projection screens and processing equipment	20	X	X	240 422	N	X	X	N
33331572	Projection screens (for motion picture and-or still projection)	N	X	X	D	N	X	X	N
3333157206	Projection screens (for motion picture and-or still projection)	5	X	X	D	4	X	X	51 404
33331573	Motion picture processing equipment, all types, excluding motion picture still type equipment and interchangeable types	N	X	X	D	N	X	X	N
3333157311	Motion picture processing equipment, all types, excluding motion picture still type equipment and interchangeable types	8	X	X	D	9	X	X	45 562
3333157Y	Motion picture equipment, nsk	N	X	X	2 841	N	X	X	N
3333157YWV	Motion picture equipment, nsk	N	X	X	2 841	N	X	X	2 960

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333315	Photographic and photocopying equipment—Con.								
333315W	Photographic and photocopying equipment manufacturing, nsk, total	N	X	X	403 771	N	X	X	N
333315WY	Photographic and photocopying equipment manufacturing, nsk, total	N	X	X	403 771	N	X	X	N
333315WYWW	Photographic and photocopying equipment manufacturing, nsk, for nonadministrative-record establishments	N	X	X	270 031	N	X	X	N
333315WYWY	Photographic and photocopying equipment manufacturing, nsk, for administrative-record establishments	N	X	X	133 740	N	X	X	N
333319	Other commercial and service industry machinery	N	X	X	8 888 524	N	X	X	N
3333191	Commercial cooking and food-warming equipment	N	X	X	1 811 807	N	X	X	1 307 858
33331911	Commercial cooking equipment including ranges, deep-fat fryers, griddles, toasters, coffee urns, pressure cookers (steam), etc., except electric	N	X	X	712 835	N	X	X	N
3333191111	Commercial ranges, ovens, and broilers (except electric)	34	X	X	426 176	36	X	X	288 836
3333191116	Commercial deep-fat fryers (except electric)	18	X	X	184 725	22	X	X	121 571
3333191121	Other commercial cooking equipment (griddles, toasters, coffee urns, pressure cookers (steam), etc., except electric	17	X	X	86 137	21	X	X	76 636
3333191131	Commercial food-warming equipment, including steam tables (except electric)	8	X	X	15 797	11	X	X	23 814
33331912	Commercial electric cooking equipment, including ranges, deep-fat fryers, griddles, toasters, coffee makers, coffee urns, etc.	N	X	X	919 119	N	X	X	N
3333191241	Commercial electric ranges, ovens, and broilers	28	X	X	185 090	35	X	X	N
3333191251	Commercial microwave stoves and ovens	2	X	X	1 356	3	X	X	N
3333191261	Commercial electric deep-fat fryers	24	X	X	91 320	21	X	X	76 205
3333191271	Other commercial electric cooking equipment, including griddles, toasters, coffee makers, coffee urns, etc.	37	X	X	439 662	36	X	X	230 486
3333191281	Commercial electric food-warming equipment, including hot-food server units and steam tables	25	X	X	201 691	35	X	X	183 981
33331913	Parts and accessories for commercial cooking and food-warming equipment	N	X	X	162 412	N	X	X	N
3333191391	Parts and accessories for commercial cooking and food-warming equipment	52	X	X	162 412	47	X	X	142 819
3333191Y	Commercial cooking and food-warming equipment, nsk	N	X	X	17 441	N	X	X	N
3333191YWV	Commercial cooking and food-warming equipment, nsk	N	X	X	17 441	N	X	X	5 482
3333193	Commercial and industrial vacuum cleaners, including parts and attachments	N	X	X	595 165	N	X	X	319 496
33331931	Commercial and industrial central and portable vacuum cleaner systems, including parts and attachments	N	X	X	276 497	N	X	X	N
3333193101	Commercial and industrial portable vacuum cleaners	30	X	X	201 723	29	X	X	161 658
3333193111	Parts and attachments for commercial and industrial portable vacuum cleaners	20	X	X	74 774	23	X	X	115 444
33331932	Commercial and industrial central vacuum cleaner systems, including parts and attachments	N	X	X	318 325	N	X	X	N
3333193221	Commercial and industrial central vacuum cleaner systems, including parts and attachments	15	X	X	318 325	11	X	X	34 479
3333193Y	Commercial and industrial vacuum cleaners, including parts and attachments, nsk	N	X	X	343	N	X	X	N
3333193YWV	Commercial and industrial vacuum cleaners, including parts and attachments, nsk	N	X	X	343	N	X	X	7 915

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333319	Other commercial and service industry machinery—Con.								
3333195	All other industrial machinery manufacturing, nec, nsk, total	N	X	X	630 972	N	X	X	463 207
33331951	Automotive maintenance equipment, except handtools.	N	X	X	544 957	N	X	X	N
3333195101	Automotive frame and body alignment equipment, except handtools.	6	X	X	82 121	7	X	X	D
3333195106	Automotive wheel alignment equipment, except handtools.	9	X	X	145 760	6	X	X	125 066
3333195111	Automotive wheel balancing equipment, except handtools.	5	X	X	30 804	6	X	X	40 672
3333195116	Automotive tire and wheel mounting equipment, except handtools.	5	X	X	41 408	3	X	X	D
3333195121	Automotive brake service equipment, except handtools.	8	X	X	34 767	10	X	X	54 644
3333195126	All other automotive maintenance equipment, except handtools.	29	X	X	210 097	26	X	X	83 153
33331952	Parts and attachments for automotive maintenance equipment, except handtools (sold separately)	N	X	X	81 424	N	X	X	N
3333195231	Parts and attachments for automotive maintenance equipment, except handtools (sold separately)	13	X	X	81 424	13	X	X	54 180
3333195Y	Automotive maintenance equipment, except handtools, nsk.	N	X	X	4 591	N	X	X	N
3333195YVV	Automotive maintenance equipment, except handtools, nsk.	N	X	X	4 591	N	X	X	17 659
3333197	Electronic teaching machines, teaching aids, trainers, and simulators, including kits @	N	X	X	779 213	N	X	X	1 244 923
33331970	Electronic teaching machines, teaching aids, trainers, and simulators, including kits	N	X	X	779 213	N	X	X	N
3333197000	Electronic teaching machines, teaching aids, trainers, and simulators, including kits.	49	X	X	779 213	68	X	X	1 244 923
3333199	Miscellaneous machinery products, except electrical (including flexible metal hose and tubing, metal bellows, etc.)	N	X	X	4 607 400	N	X	X	N
33331991	Other service industry equipment	N	X	X	3 587 444	N	X	X	N
3333199101	Instantaneous service industry water heaters, including parts	14	X	X	96 748	5	X	X	31 618
3333199106	All others service industry water heaters (including parts) with more than 120 gallons (454.2 liters capacity)	9	X	X	127 340	7	X	X	85 767
3333199111	Industrial water softeners	33	X	X	152 984	35	X	X	51 629
3333199116	Farm, household, and commercial water softeners	31	X	X	259 136	39	X	X	219 112
3333199146	Conveyor-type commercial dishwashing machines	9	X	X	64 695	8	X	X	61 369
3333199151	All other commercial dishwashing machines	8	X	X	78 496	11	X	X	80 501
3333199161	Sewage treatment equipment, distilling or rectifying	9	X	X	D	N	X	X	N
3333199166	Sewage treatment equipment, filtering or purifying	73	X	X	719 399	N	X	X	N
3333199171	Sewage treatment equipment, centrifuges	3	X	X	D	N	X	X	N
3333199174	Other sewage treatment equipment	65	X	X	261 347	N	X	X	N
3333199178	Commercial car, truck, and bus washing machinery and equipment	32	X	X	375 259	26	X	X	133 875
3333199182	Service industry trash and garbage compactors	24	X	X	145 024	25	X	X	83 993
3333199186	Sewer pipe and drain cleaning equipment	11	X	X	101 006	13	X	X	73 684
3333199189	High-pressure (more than 1,000 p.s.i.) cleaning and blasting machinery and equipment (except foundry)	39	X	X	315 694	40	X	X	164 118
3333199194	Electric hand-drying apparatus	3	X	X	17 681	N	X	X	N
3333199196	Other service industry equipment	117	X	X	810 056	N	X	X	N
33331992	All other parts and attachments for service industry equipment	N	X	X	228 197	N	X	X	N
3333199221	Parts for water softeners (excluding tanks)	20	X	X	52 623	27	X	X	42 475
3333199236	Parts and attachments for commercial and industrial floor and carpet cleaning equipment	21	X	X	69 703	30	X	X	62 922
3333199256	Parts for commercial dishwashing machines	8	X	X	32 367	11	X	X	39 573
3333199299	Parts for other service industry machines	44	X	X	73 504	43	X	X	87 824

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333319	Other commercial and service industry machinery—Con.								
3333199	Miscellaneous machinery products, except electrical (including flexible metal hose and tubing, metal bellows, etc.)—Con.								
33331993	Commercial and industrial floor and carpet cleaning machines, including waxing and polishing machines, except vacuum cleaners.	N	X	X	610 994	N	X	X	N
3333199301	Carnival and amusement park equipment (ferris wheels, merry-go-rounds, etc.), excluding electric equipment, and coin-operated amusement machines.	27	X	X	132 546	14	X	X	49 040
3333199326	Commercial and industrial floor sanding and scrubbing machines.	12	X	X	90 980	14	X	X	74 645
3333199331	Commercial and industrial carpet cleaning equipment, including sweepers (except vacuum cleaners).	21	X	X	284 646	29	X	X	209 549
3333199341	Other commercial and industrial floor and carpet cleaning machines, including waxing and polishing machines, except vacuum cleaners.	19	X	X	102 822	22	X	X	161 859
3333199Y	Service industry machines and parts.	N	X	X	180 765	N	X	X	N
3333199YVV	Miscellaneous machinery products (including flexible metal hose and tubing, metal bellows, etc.), nsk.	N	X	X	180 765	N	X	X	N
333319W	Other commercial and service industry machinery, nsk, total.	N	X	X	463 967	N	X	X	N
333319WY	Other commercial and service industry machinery manufacturing, nsk, total.	N	X	X	463 967	N	X	X	N
333319WYWW	Other commercial and service industry machinery, nec, nsk, for nonadministrative-record establishments.	N	X	X	246 923	N	X	X	N
333319WYWY	Other commercial and service industry machinery, nec, nsk, for administrative-record establishments.	N	X	X	217 044	N	X	X	N
333411	Air purification equipment.	N	X	X	2 101 717	N	X	X	N
3334111	Dust collection and other air purification equipment for industrial gas cleaning systems (for cleaning outgoing air) @.	N	X	X	711 872	N	X	X	544 963
33341111	Dust collection and other air purification equipment for industrial gas cleaning systems (for cleaning outgoing air).	N	X	X	636 882	N	X	X	N
3334111110	Dust collection and other air purification equipment for industrial gas cleaning systems (for cleaning outgoing air), except parts.	49	X	X	516 958	87	X	X	529 228
3334111165	Parts for industrial air purification equipment.	28	X	X	119 924	16	X	X	10 663
3334111Y	Dust collection and other air purification equipment for industrial gas cleaning systems, nsk.	N	X	X	74 990	N	X	X	N
3334111YVV	Dust collection and other air purification equipment for industrial gas cleaning systems, nsk.	N	X	X	74 990	N	X	X	5 072
3334113	Dust collection and other air purification equipment and parts for cleaning incoming air.	N	X	X	1 296 305	N	X	X	959 051
33341131	Air filters for air-conditioners and furnaces, etc., of 2400 CFM or less, except parts.	N	X	X	273 170	N	X	X	N
3334113103	Air filters for air-conditioners and furnaces, etc., of 2400 CFM or less, except parts.	39	X	X	273 170	42	X	X	320 842
33341132	Other dust collection and other air purification equipment, except parts.	N	X	X	876 394	N	X	X	N
3334113207	Air washers (purification equipment for cleaning incoming air), except parts.	6	X	X	11 930	10	X	X	57 481
3334113211	Electrostatic precipitation dust collection and air purification equipment, except parts.	17	X	X	165 316	10	X	X	79 954
3334113231	Other dust collection and other air purification equipment (including air filters for air-conditioners and furnaces), except parts.	87	X	X	699 148	88	X	X	427 820
33341133	Parts for dust collection and air purification equipment.	N	X	X	36 174	N	X	X	N
3334113355	Parts for dust collection and air purification equipment.	18	X	X	36 174	17	X	X	45 285

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333411	Air purification equipment—Con.								
3334113	Dust collection and other air purification equipment and parts for cleaning incoming air—Con.								
3334113Y	Dust collection and other air purification equipment for cleaning incoming air, nsk	N	X	X	110 567	N	X	X	N
3334113YVV	Dust collection and other air purification equipment for cleaning incoming air, nsk	N	X	X	110 567	N	X	X	27 669
333411W	Air purification equipment, nsk, total	N	X	X	93 540	N	X	X	N
333411WY	Air purification equipment, nsk, total	N	X	X	93 540	N	X	X	N
333411WYWW	Air purification equipment, nsk, for nonadministrative-record establishments	N	X	X	17 552	N	X	X	N
333411WYWY	Air purification equipment, nsk, for administrative-record establishments	N	X	X	75 988	N	X	X	N
333412	Industrial and commercial fans and blowers	N	X	X	2 011 616	N	X	X	N
3334120	Industrial and commercial fans and blowers, and attic fans	N	X	X	2 011 616	N	X	X	N
33341201	Power roof ventilators and parts	N	X	X	131 482	N	X	X	N
3334120101	Axial and propeller type power roof ventilators, except parts	13	X	X	37 968	17	X	X	43 911
3334120104	Centrifugal type power roof ventilators, except parts	7	X	X	77 432	14	X	X	86 558
3334120107	Parts for power roof ventilators	5	X	X	16 082	8	X	X	8 556
33341202	Centrifugal blower-filter units, and classes I-IV centrifugal fans, except parts	N	X	X	298 358	N	X	X	N
3334120217	Centrifugal blower-filter units	16	X	X	84 967	12	X	X	99 897
3334120219	Centrifugal classes I and II fans (more than 1 one-half in. to 6 three-fourth in. maximum total pressure)	22	X	X	137 931	28	X	X	73 677
3334120221	Centrifugal classes III and IV fans (more than 6 three-fourth in. maximum total pressure)	22	X	X	75 460	23	X	X	73 783
33341203	Other centrifugal fans and blowers, except parts	N	X	X	859 636	N	X	X	N
3334120324	Industrial centrifugal fans, excluding blowers, turboblowers, and multistage blowers	27	X	X	98 090	31	X	X	149 334
3334120327	Positive displacement centrifugal blowers, excluding turboblowers	8	X	X	148 562	7	X	X	102 378
3334120329	Multistage centrifugal blowers	7	X	X	68 983	7	X	X	57 655
3334120344	Industrial and commercial fans and blowers, and attic fans	33	X	X	544 001	N	X	X	N
33341204	Axial fans, except parts	N	X	X	214 650	N	X	X	N
3334120463	Axial fans directly connected to driver	29	X	X	166 335	37	X	X	138 092
3334120465	Belt-driven axial fans	20	X	X	48 315	26	X	X	37 045
33341205	Industrial propeller fans, except parts	N	X	X	110 359	N	X	X	N
3334120573	Industrial propeller fans directly connected to driver	21	X	X	78 275	25	X	X	86 253
3334120575	Industrial belt-driven propeller fans	16	X	X	32 084	21	X	X	69 501
33341206	Penthouses, shutters, guards, and other parts and accessories for industrial centrifugal, axial, and propeller fans and blowers (except power roof ventilators)	N	X	X	93 858	N	X	X	N
3334120688	Penthouses, shutters, guards, and other parts and accessories for industrial centrifugal, axial, and propeller fans and blowers (except power roof ventilators)	25	X	X	93 858	N	X	X	N
3334120Y	Industrial and commercial fans and blowers, nsk	N	X	X	303 273	N	X	X	N
3334120YWW	Industrial and commercial fans and blowers, and attic fans	N	X	X	279 632	N	X	X	N
3334120YWY	Industrial and commercial fans and blowers, nsk, for administrative-record establishments	N	X	X	23 641	N	X	X	N

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NAICS product code	Product	1997				1992			
		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333414	Heating equipment, except electric	N	X	X	3 579 512	N	X	X	N
3334141	Cast iron heating boilers, radiators, and convectors, except parts	N	X	X	391 786	N	X	X	331 023
33341411	Cast iron boilers and radiators, and aluminum and other nonferrous metal radiators and convectors, incl. baseboard and finned tube type, residential, industrial, and special type (excl. electric)	N	X	X	387 687	N	X	X	N
3334141101	Gas-fired cast iron boilers, excluding parts	9	X	90.7	97 504	10	X	133.6	145 039
3334141106	Other cast iron boilers, excluding electric and parts	10	X	87.1	99 477	9	X	105.9	132 055
3334141111	Cast iron and steel radiators and convectors, excluding parts	4	X	P11 737.5	148 180	7	X	X	12 194
3334141116	Aluminum and other nonferrous metal radiators and convectors, including baseboard and finned tube type, residential, industrial, and special type (excluding electric and parts)	6	X	S	42 526	7	X	S	41 713
3334141Y	Cast iron heating boilers, radiators, and convectors, except parts, nsk	N	X	X	4 099	N	X	X	N
3334141YVV	Cast iron heating boilers, radiators, and convectors, except parts, nsk	N	X	X	4 099	N	X	X	Z
3334143	Domestic heating stoves, except electric (excluding parts)	N	X	X	556 449	N	X	X	326 055
33341431	Heating stoves	N	X	X	540 662	N	X	X	N
3334143101	Gas (all types) domestic heating stoves, including vented and unvented circulators, radiants, and laundry stoves (excluding parts)	18	X	P162.0	81 024	N	X	X	N
3334143106	Coal, kerosene, gasoline, and fuel oil domestic heating stoves (excluding parts)	8	X	385.3	14 387	N	X	X	N
3334143111	Freestanding wood fireplaces and domestic heating stoves (all types), including circulating and radiants (excluding parts)	12	X	1 256.5	51 800	N	X	X	N
3334143116	Wood pellet fuel-burning domestic heaters (excluding parts)	3	X	D	D	N	X	X	N
3334143121	Heat exchangers and zero clearance (factory built) domestic wood fireplaces	3	X	D	D	N	X	X	N
3334143126	Domestic wood fireplace inserts	2	X	D	D	N	X	X	N
3334143131	Coal, kerosene, gasoline, and fuel oil domestic heating stoves (excluding parts)	5	X	Q22.7	6 063	9	X	180.4	35 571
3334143136	Freestanding wood fireplaces and domestic heating stoves (all types), including circulating and radiants (excluding parts)	19	X	P166.3	74 567	21	X	Q348.0	112 974
3334143141	Wood pellet fuel-burning domestic heaters (excluding parts)	8	X	P54.5	53 023	13	X	37.5	37 770
3334143146	Heat exchangers and zero clearance (factory built) domestic wood fireplaces	5	X	D	D	10	X	S	44 797
3334143151	Domestic wood fireplace inserts	11	X	96.0	36 969	14	X	Q24.9	14 144
3334143Y	Domestic heating stoves, except electric (excluding parts), nsk	N	X	X	15 787	N	X	X	N
3334143YVV	Domestic heating stoves, except electric (excluding parts), nsk	N	X	X	15 787	N	X	X	15 903
3334145	Steel heating boilers (15 psi or less) and all hot water heating boilers (except electric), excluding parts	N	X	X	219 582	N	X	X	126 177
33341451	Steel heating boilers	N	X	X	205 563	N	X	X	N
3334145101	Steel heating boilers (15 p.s.i. or less), and all hot water heating boilers (except electric), excluding parts, 400,000 Btu per hour or less	19	X	X	98 940	19	X	X	71 915
3334145111	Steel heating boilers (15 p.s.i. or less), and all hot water heating boilers (except electric), excluding parts, 400,001 Btu per hour or more, including scotch type and horizontal fire box	13	X	24.8	106 623	8	X	7.4	47 820
3334145Y	Steel heating boilers (15 p.s.i. or less), and all hot water heating boilers, excluding parts, nsk	N	X	X	14 019	N	X	X	N
3334145YVV	Steel heating boilers (15 p.s.i. or less), and all hot water heating boilers, excluding parts, nsk	N	X	X	14 019	N	X	X	6 442

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333414	Heating equipment, except electric—Con.								
3334147	Floor and wall furnaces, unit heaters, infrared heaters, and mechanical stokers (except electric)	N	X	X	526 335	N	X	X	358 952
33341471	Floor and wall furnaces, unit heaters, gas-fired infrared heaters, and mechanical stokers, including parts	N	X	X	505 445	N	X	X	N
3334147101	Floor and wall furnaces (gas and oil)	13	X	X	94 412	13	X	X	130 863
3334147106	Gas-fired unit heaters, 400,000 Btu per hour or less	13	X	X	197 622	10	X	X	93 532
3334147111	Steam or hot water heating element, centrifugal fan-type (blower) and propeller fan-type unit heaters (except electric)	5	X	X	D	7	X	X	23 888
3334147116	Gas-fired infrared heaters	15	X	429.5	87 500	19	X	P338.6	54 397
3334147121	Mechanical stokers (except electric)	4	X	X	D	6	X	X	7 547
3334147126	Parts for floor and wall furnaces, unit heaters, gas-fired infrared heaters, and mechanical stokers	16	X	X	95 706	16	X	X	32 267
3334147Y	Floor and wall furnaces, unit heaters, infrared heaters, and mechanical stokers, nsk	N	X	X	20 890	N	X	X	N
3334147YVV	Floor and wall furnaces, unit heaters, infrared heaters, and mechanical stokers, nsk	N	X	X	20 890	N	X	X	16 458
3334149	Other heating equipment, except electric (including parts for nonelectric heating equipment and oil burners) @	N	X	X	1 571 443	N	X	X	N
33341491	Other heating equipment, except electric (including parts for nonelectric heating equipment and oil burners)	N	X	X	1 273 050	N	X	X	N
3334149101	Oil burners	25	X	X	163 537	N	X	X	N
3334149106	Parts and attachments for oil burners	9	X	X	29 900	18	X	X	43 351
3334149111	Gas burners and gas conversion burners (including parts), 400,000 Btu per hour or less	16	X	S	107 255	18	X	S	67 983
3334149116	Gas burners and gas conversion burners (including parts), 400,001 Btu per hour or more	21	X	X	90 645	22	X	X	126 940
3334149121	Parts and attachments for gas burners (sold separately)	14	X	X	48 033	20	X	X	26 015
3334149126	Heating unit ventilators (except electric)	4	X	X	D	5	X	X	71 711
3334149131	Nonelectric prefabricated metal fireplaces for commercial and industrial use	4	X	S	35 079	6	X	S	51 985
3334149136	Solar energy collectors (water or air)	7	X	X	17 626	9	X	X	35 295
3334149140	Wall and baseboard heating units for permanent installation	11	X	X	227 959	N	X	X	N
3334149150	Parts, accessories, and attachments for wall and baseboard heating units	5	X	X	D	N	X	X	N
3334149151	Other heating equip. incl dual-fired gas and oil burners, heat transfer (blast) coils, range boilers, expansion tanks, direct-fired water heater tanks, other parts for heating equip. except electric	69	X	X	471 730	N	X	X	N
3334149Y	Other heating equipment except electric (including parts for nonelectric heating equipment and oil burners), nsk	N	X	X	298 393	N	X	X	N
3334149YVV	Other heating equipment, except electric (including parts for nonelectric heating equipment and oil burners), nsk	N	X	X	298 393	N	X	X	N
333414W	Heating equipment, except electric, nsk, total	N	X	X	313 917	N	X	X	N
333414WY	Heating equipment, except electric, nsk, total	N	X	X	313 917	N	X	X	N
333414WYWW	Heating equipment, except electric, nsk, for nonadministrative-record establishments	N	X	X	210 081	N	X	X	N
333414WYWY	Heating equipment, except electric, nsk, for administrative-record establishments	N	X	X	103 836	N	X	X	N
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment.....	N	X	X	21 948 350	N	X	X	N
3334151	Heat transfer equipment (except electrically operated dehumidifiers), mechanically refrigerated, self contained, except motor vehicle mechanical air-conditioning systems @	N	X	X	4 204 925	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment—Con.								
3334151	Heat transfer equipment (except electrically operated dehumidifiers), mechanically refrigerated, self contained, except motor vehicle mechanical air-conditioning systems @ —Con.								
33341510	Heat transfer equipment (except electrically operated dehumidifiers), mechanically refrigerated, self contained, except motor vehicle mechanical air-conditioning systems	N	X	X	4 204 925	N	X	X	N
3334151000	Heat transfer equipment (except electrically operated dehumidifiers), mechanically refrigerated, self contained, except motor vehicle mechanical air-conditioning systems	139	X	X	4 204 925	N	X	X	N
3334153	Commercial refrigerators and related equipment	N	X	X	2 926 753	N	X	X	1 827 723
33341531	Commercial refrigerators and related equipment	N	X	X	2 897 180	N	X	X	N
3334153101	Commercial refrigerated sectional coolers or cooling rooms of the prefabricated (factory produced) type, including self-contained and remote units	49	X	S	607 853	47	X	S	313 045
3334153106	Commercial reach-in refrigerators and reach-in vehicle display cabinets for normal temperature applications (not intended for frozen foods, ice cream, etc.), incl. self-contained and remote units	29	X	S	439 081	31	X	P165.8	224 018
3334153111	Commercial reach-in refrigerators and reach-in type vehicle display cabinets for low temperature application, including self-contained and remote units	24	X	S	307 605	24	X	P59.5	219 544
3334153116	Commercial closed refrigerated display cases, operated at normal temperatures, including self-contained and remote units	15	X	S	91 892	14	X	S	43 576
3334153121	Commercial open, one level, self-service refrigerated display cases, operated at normal temperatures, including self-contained and remote units	13	X	S	140 259	12	X	S	142 268
3334153126	Commercial open, multilevel, self-service refrigerated display cases, operated at normal temperatures, including self-contained and remote units	11	X	P58.6	258 310	9	X	X	151 760
3334153131	Commercial open, self-service refrigerated frozen food display cases, including self-contained and remote units	7	X	20.4	90 213	8	X	X	61 776
3334153136	Commercial closed refrigerated frozen food cabinets, other than reach-in type, including self-contained and remote units	9	X	S	112 873	6	X	X	38 171
3334153141	Other commercial refrigerated display cases operated at low temperatures, including self-contained and remote units	6	X	S	43 150	9	X	99.6	39 629
3334153146	Commercial mechanical refrigerated drinking water coolers	7	X	X	266 233	6	X	X	206 228
3334153151	Commercial mechanical refrigerated bottled beverage coolers, dry and wet types, except coin-operated	5	X	X	44 848	7	X	X	22 352
3334153156	Commercial mechanical refrigerated bulk beverage dispensers, including malt dispensers and precooler cabinets, except coin-operated	12	X	X	242 133	11	X	X	143 989
3334153191	Other commercial refrigerators and related equipment	33	X	X	252 730	27	X	X	207 675
3334153Y	Commercial refrigerators and related equipment, nsk.	N	X	X	29 573	N	X	X	N
3334153YVV	Commercial refrigerators and related equipment, nsk.	N	X	X	29 573	N	X	X	13 692
3334155	Refrigeration condensing units, all refrigerants, except ammonia (complete) @	N	X	X	289 689	N	X	X	209 577
33341550	Refrigeration condensing units, all refrigerants, except ammonia (complete)	N	X	X	289 689	N	X	X	N
3334155000	Refrigeration condensing units, all refrigerants, except ammonia (complete)	41	X	X	289 689	27	X	X	209 577

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment—Con.								
3334156	Room air-conditioners and dehumidifiers, except portable dehumidifiers @	N	X	X	979 308	N	X	X	878 952
33341560	Room air-conditioners and dehumidifiers, except portable dehumidifiers	N	X	X	979 308	N	X	X	N
3334156000	Room air-conditioners and dehumidifiers, except portable dehumidifiers	20	X	X	979 308	21	X	X	878 952
3334159	Refrigeration and air-conditioning equipment, nec	N	X	X	880 266	N	X	X	682 249
33341591	Soda fountain refrigeration equipment (cooler box, fountainette, and similar equipment)	N	X	X	848 591	N	X	X	N
3334159101	Soda fountain refrigeration equipment (cooler box, fountainette, and similar equipment)	14	X	X	202 942	15	X	X	168 389
3334159111	Beer dispensing refrigeration equipment	10	X	X	21 720	8	X	X	11 800
3334159121	Evaporative air coolers	17	X	X	191 592	21	X	X	161 566
3334159131	Other refrigeration equipment, nec	33	X	X	216 310	N	X	X	N
3334159141	Other air-conditioning equipment, nec	19	X	X	216 027	N	X	X	N
3334159Y	Refrigeration and air-conditioning equipment, nec, nsk	N	X	X	31 675	N	X	X	N
3334159YVV	Refrigeration and air-conditioning equipment, nec, nsk	N	X	X	31 675	N	X	X	18 796
333415A	Compressors and compressor units, all refrigerants, except automobiles @	N	X	X	2 941 370	N	X	X	N
333415A0	Compressors and compressor units, all refrigerants, except automobiles	N	X	X	2 941 370	N	X	X	N
333415A000	Compressors and compressor units, all refrigerants, except automobiles	52	X	X	2 941 370	N	X	X	N
333415C	Warm air furnaces, including duct furnaces and humidifiers, and electric comfort heating equipment @	N	X	X	1 939 242	N	X	X	1 300 363
333415C0	Warm air furnaces, including duct furnaces and humidifiers, and electric comfort heating equipment	N	X	X	1 939 242	N	X	X	N
333415C000	Warm air furnaces, including duct furnaces and humidifiers, and electric comfort heating equipment	54	X	X	1 939 242	62	X	X	1 300 363
333415D	Parts and accessories for air-conditioning and heat transfer equipment	N	X	X	1 986 124	N	X	X	1 483 717
333415D1	Parts for refrigeration and air-conditioning equipment, nec	N	X	X	1 958 173	N	X	X	N
333415D101	Parts for heat transfer equipment, including parts for air-conditioning condensing units	45	X	X	703 686	51	X	X	628 861
333415D111	Parts for unitary air-conditioners	16	X	X	259 024	30	X	X	288 828
333415D121	Parts for commercial refrigeration and related equipment	31	X	X	262 659	35	X	X	139 631
333415D131	Parts for compressors and compressor units	27	X	X	305 836	26	X	X	200 135
333415D141	Parts for condensing units, excluding air-conditioning condensing units	3	X	X	2 237	7	X	X	6 762
333415D151	Parts for dehumidifiers and room air-conditioners	6	X	X	D	7	X	X	N
333415D161	Other parts for refrigeration equipment, nec	16	X	X	78 700	N	X	X	N
333415D171	Other parts for air-conditioning equipment, nec	22	X	X	174 763	N	X	X	N
333415D181	Parts for warm air furnaces, including duct furnaces (excluding complete humidifiers)	15	X	X	D	25	X	X	74 341
333415DY	Parts and accessories for air-conditioning and heat transfer equipment, nsk	N	X	X	27 951	N	X	X	N
333415DYVV	Parts and accessories for air-conditioning and heat transfer equipment, nsk	N	X	X	27 951	N	X	X	52 598
333415E	Unitary air-conditioners, except air source heat pumps @	N	X	X	4 364 840	N	X	X	N
333415E0	Unitary air-conditioners, except air source heat pumps	N	X	X	4 364 840	N	X	X	N
333415E000	Unitary air-conditioners, except air source heat pumps	61	X	X	4 364 840	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333415	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment—Con.								
333415F	Air source heat pumps, except room air-conditioners @	N	X	X	1 025 549	N	X	X	N
333415F0	Air source heat pumps, except room air-conditioners	N	X	X	1 025 549	N	X	X	N
333415F000	Air source heat pumps, except room air-conditioners	26	X	X	1 025 549	N	X	X	N
333415G	Ground and ground water source heat pumps @	N	X	X	88 501	N	X	X	N
333415G0	Ground and ground water source heat pumps	N	X	X	88 501	N	X	X	N
333415G000	Ground and ground water source heat pumps	7	X	X	88 501	N	X	X	N
333415W	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing, nsk, total	N	X	X	321 783	N	X	X	N
333415WY	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing, nsk, total	N	X	X	321 783	N	X	X	N
333415WYWW	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing, nsk for nonadministrative-record establishments	N	X	X	132 539	N	X	X	N
333415WYWY	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing, nsk for administrative-record establishments	N	X	X	189 244	N	X	X	N
333511	Industrial molds	N	X	X	5 715 142	N	X	X	N
3335110	Industrial molds and mold boxes	N	X	X	5 715 142	N	X	X	N
33351101	Industrial molds made of metal, for die-casting of metal or metal carbides (except ingot molds), all types	N	X	X	525 126	N	X	X	N
3335110101	Industrial molds made of metal, for low-pressure die-casting of metal or metal carbides (except ingot molds)	104	X	X	141 207	74	X	X	50 280
3335110106	Industrial molds made of metal, for high-pressure die-casting of metal or metal carbides (except ingot molds)	226	X	X	383 919	207	X	X	283 111
33351102	Industrial molds made of metal and other materials, excluding industrial injection or compression molds made of metal for plastics	N	X	X	1 507 757	N	X	X	N
3335110211	Industrial permanent molds made of metal for gravity casting of metal or metal carbides (except ingot molds)	67	X	X	62 282	38	X	X	31 786
3335110216	Other industrial molds made of metal for metal or metal carbides (except ingot molds)	47	X	X	75 363	37	X	X	31 219
3335110221	Industrial molds made of metal for wax	86	X	X	63 963	81	X	X	70 185
3335110226	Industrial molds made of metal for mineral materials	5	X	X	14 366	10	X	X	6 228
3335110231	Industrial molds made of metal for glass	14	X	X	162 876	13	X	X	111 700
3335110236	Industrial injection or compression-type molds made of metal for rubber	179	X	X	362 363	172	X	X	183 738
3335110241	Other industrial molds made of metal for rubber	35	X	X	35 785	47	X	X	53 987
3335110246	Industrial molds made of metal for other materials	78	X	X	63 158	73	X	X	55 169
3335110251	Industrial mold bases made of metal	52	X	X	95 689	43	X	X	119 982
3335110261	Industrial compression-type molds (including matched metal molds) made of metal for plastics	152	X	X	197 138	138	X	X	130 256
3335110266	Other industrial molds (including transfer, plunger, and rotational molds) made of metal for plastics	203	X	X	242 495	180	X	X	156 838
3335110276	Industrial molds made of materials other than metal, for metal, metal carbides, glass, mineral materials, rubber, or plastics	21	X	X	36 530	N	X	X	N
3335110281	Other industrial molds made of materials other than metal, nec	40	X	X	71 367	N	X	X	N
3335110286	Industrial mold boxes or flasks for use with patterns and sand molds in foundries	21	X	X	24 382	20	X	X	21 608

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333511	Industrial molds—Con.								
3335110	Industrial molds and mold boxes—Con.								
33351103	Industrial injection-type molds made of metal for plastics	N	X	X	3 209 576	N	X	X	N
3335110356	Industrial injection-type molds made of metal for plastics	1 603	X	X	3 209 576	1 526	X	X	2 160 587
3335110Y	Industrial molds and mold boxes, nsk	N	X	X	472 683	N	X	X	N
3335110YWW	Industrial molds and mold boxes, nsk	N	X	X	350 317	N	X	X	N
3335110YWY	Special dies, tools, jigs, and fixtures, nsk, for administrative-record establishments	N	X	X	122 366	N	X	X	N
333512	Machine tools, metal cutting types	N	X	X	4 737 311	N	X	X	N
3335121	Metal gear cutting machines @	N	X	X	181 261	N	X	X	N
33351211	Metal gear cutting machines	N	X	X	181 261	N	X	X	N
3335121100	Metal gear cutting machines	12	X	X	181 261	N	X	X	N
3335121Y	Metal gear cutting machines, nsk	N	X	X	—	N	X	X	N
3335121YWW	Metal gear cutting machines, nsk	N	X	X	—	N	X	X	N
3335122	Metal grinding, polishing, buffing, honing, and lapping machines, except gear-tooth grinding, lapping, polishing, and buffing @	N	X	X	596 877	N	X	X	395 801
33351220	Metal grinding, polishing, buffing, honing, and lapping machines, except gear-tooth grinding, lapping, polishing, and buffing	N	X	X	596 877	N	X	X	N
3335122000	Metal grinding, polishing, buffing, honing, and lapping machines, except gear-tooth grinding, lapping, polishing, and buffing	105	X	X	596 877	111	X	X	395 801
3335123	Metal lathes (turning machines) numerically and nonnumerically controlled @	N	X	X	489 775	N	X	X	329 339
33351230	Metal lathes (turning machines) numerically and nonnumerically controlled	N	X	X	489 775	N	X	X	N
3335123000	Metal lathes (turning machines) numerically and nonnumerically controlled	51	X	X	489 775	48	X	X	329 339
3335124	Metal milling machines (excluding machining centers) @	N	X	X	350 026	N	X	X	221 681
33351240	Metal milling machines (excluding machining centers)	N	X	X	350 026	N	X	X	N
3335124000	Metal milling machines (excluding machining centers)	44	X	X	350 026	43	X	X	221 681
3335125	Machine tools designed primarily for home workshops, labs, garages, etc. (metalworking and primarily metalworking)	N	X	X	54 937	N	X	X	60 949
33351251	Machine tools designed primarily for home workshops, labs, etc. (metalworking and primarily metalworking)	N	X	X	54 937	N	X	X	N
3335125101	Metal drilling machines designed primarily for home workshops, labs, garages, etc. thousands..	6	X	S	9 531	5	X	S	18 646
3335125106	Metal grinding and polishing machines designed primarily for home workshops, labs, garages, etc., including crankshaft regrinding and valve grinding machines .. thousands..	5	X	S	9 045	4	X	S	3 818
3335125111	Metal lathes designed primarily for home workshops, labs, garages, etc. thousands..	3	X	D	D	2	X	X	D
3335125116	Metal sawing and cut-off machines designed primarily for home workshops, labs, garages, etc. thousands..	8	X	D	D	7	X	X	D
3335125199	Other metalworking (or primarily metalworking) machines designed primarily for home workshops, labs, garages, etc., including automotive cylinder reboring machines .. thousands..	13	X	S	25 645	11	X	P55.7	33 221
3335125Y	Machine tools designed primarily for home workshops, labs, etc. (metalworking and primarily metalworking), nsk	N	X	X	—	N	X	X	N
3335125YWW	Machine tools designed primarily for home workshops, labs, etc. (metalworking and primarily metalworking), nsk	N	X	X	—	N	X	X	500

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333512	Machine tools, metal cutting types—Con.								
3335126	Parts for metal cutting machine tools (sold separately) and rebuilt metal cutting machine tools	N	X	X	714 118	N	X	X	606 164
33351261	Parts for metal cutting machine tools (sold separately) and rebuilt metal cutting machine tools	N	X	X	712 803	N	X	X	N
3335126101	Parts for metal cutting machine tools, sold separately	128	X	X	550 271	175	X	X	428 016
3335126106	Rebuilt metal cutting machine tools	40	X	X	162 532	50	X	X	110 306
3335126Y	Parts for metal cutting machine tools (sold separately) and rebuilt metal cutting machine tools, nsk	N	X	X	1 315	N	X	X	N
3335126YWV	Parts for metal cutting machine tools (sold separately) and rebuilt metal cutting machine tools, nsk	N	X	X	1 315	N	X	X	67 842
3335127	Metal machining centers (multifunction numerically controlled machines) @	N	X	X	932 619	N	X	X	454 145
33351270	Metal machining centers (multifunction numerically controlled machines)	N	X	X	932 619	N	X	X	N
3335127000	Metal machining centers (multifunction numerically controlled machines)	56	X	X	932 619	52	X	X	454 145
3335128	Metal station type machines @	N	X	X	543 289	N	X	X	485 573
33351280	Metal station type machines	N	X	X	543 289	N	X	X	N
3335128000	Metal station type machines	26	X	X	543 289	26	X	X	485 573
3335129	Other metal cutting machine tools (except those designed primarily for home workshops, laboratories, garages, etc.) @	N	X	X	450 333	N	X	X	224 057
33351290	Other metal cutting machine tools (except those designed primarily for home workshops, laboratories, garages, etc.)	N	X	X	450 333	N	X	X	N
3335129000	Other metal cutting machine tools (except those designed primarily for home workshops, laboratories, garages, etc.)	119	X	X	450 333	109	X	X	224 057
333512A	Metal boring machines (excluding machining centers) and drilling machines (excluding machining centers) @	N	X	X	238 185	N	X	X	N
333512A1	Metal boring machines (excluding machining centers) and drilling machines (excluding machining centers)	N	X	X	238 185	N	X	X	N
333512A100	Metal boring machines (excluding machining centers) and drilling machines (excluding machining centers)	55	X	X	238 185	N	X	X	N
333512AY	Metal boring machines (excluding machining centers) and drilling machines (excluding machining centers), nsk	N	X	X	—	N	X	X	N
333512AYWV	Metal boring machines (excluding machining centers) and drilling machines (excluding machining centers), nsk	N	X	X	—	N	X	X	N
333512W	Machine tool (metal cutting types) manufacturing, nsk, total	N	X	X	185 891	N	X	X	N
333512WY	Machine tool (metal cutting types) manufacturing, nsk, total	N	X	X	185 891	N	X	X	N
333512WYWW	Machine tool (metal cutting types) manufacturing, nsk, for nonadministrative-record establishments	N	X	X	185 138	N	X	X	N
333512WYWY	Machine tool (metal cutting types) manufacturing, nsk, for administrative-record establishments	N	X	X	753	N	X	X	N
333513	Machine tools, metal forming types	N	X	X	2 183 182	N	X	X	1 428 288
3335131	Metal punching and shearing machines (including power and manual) and bending and forming machines (power only) @	N	X	X	601 050	N	X	X	382 635
33351310	Metal punching and shearing machines (including power and manual) and bending and forming machines (power only)	N	X	X	601 050	N	X	X	N
3335131000	Metal punching and shearing machines (including power and manual) and bending and forming machines (power only)	97	X	X	601 050	88	X	X	382 635

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333513	Machine tools, metal forming types—Con.								
3335133	Metalworking presses (except forging and die-stamping presses) @	N	X	X	431 087	N	X	X	329 782
33351330	Metalworking presses (except forging and die-stamping presses)	N	X	X	431 087	N	X	X	N
3335133000	Metalworking presses (except forging and die-stamping presses)	50	X	X	431 087	76	X	X	329 782
3335135	Other metal forming machine tools, including forging and die-stamping machines (except metalworking presses) @	N	X	X	590 966	N	X	X	320 867
33351350	Other metal forming machine tools, including forging and die-stamping machines (except metalworking presses)	N	X	X	590 966	N	X	X	N
3335135000	Other metal forming machine tools, including forging and die-stamping machines (except metalworking presses)	107	X	X	590 966	85	X	X	320 867
3335137	Parts for metal forming machine tools (sold separately) and rebuilt metal forming machine tools	N	X	X	488 719	N	X	X	376 171
33351371	Parts for metal forming machine tools (sold separately), rebuilt metal forming machine tools, and die-casting machines	N	X	X	486 453	N	X	X	N
3335137101	Parts for die-casting machines	12	X	X	13 570	N	X	X	N
3335137111	Other parts for metal forming machine tools	91	X	X	425 487	N	X	X	N
3335137116	Rebuilt metal forming machine tools	26	X	X	47 396	25	X	X	38 783
3335137Y	Parts for metal forming machine tools (sold separately) and rebuilt metal forming machine tools, nsk	N	X	X	2 266	N	X	X	N
3335137YVV	Parts for metal forming machine tools (sold separately) and rebuilt metal forming machine tools, nsk	N	X	X	2 266	N	X	X	23 423
333513W	Machine tools, metal forming types, nsk, total	N	X	X	71 360	N	X	X	18 833
333513WY	Machine tools, metal forming types, nsk, total	N	X	X	71 360	N	X	X	N
333513WYWW	Machine tools, metal forming types, nsk, for nonadministrative-record establishments	N	X	X	71 360	N	X	X	18 833
333513WYWY	Machine tools, metal forming types, nsk, for administrative-record establishments	N	X	X	—	N	X	X	—
333514	Special dies, tools, jigs, and fixtures	N	X	X	8 777 134	N	X	X	N
3335140	Special dies and tools, die sets, jigs, and fixtures	N	X	X	8 777 134	N	X	X	N
33351401	Jigs and fixtures	N	X	X	1 009 362	N	X	X	N
3335140101	Gauging and checking jigs and fixtures, less than 1,000 lb weight	394	X	X	331 822	343	X	X	210 425
3335140103	Gauging and checking jigs and fixtures, 1,000 lb weight or more	92	X	X	130 525	64	X	X	46 964
3335140106	Other than work holding fixtures	139	X	X	98 454	N	X	X	N
3335140109	Work holding fixtures	320	X	X	233 099	N	X	X	N
3335140112	Other jigs and fixtures, 1,000 lb weight or more (holding, positioning, layout, assembly, etc.)	93	X	X	215 462	132	X	X	233 496
33351402	Standard catalog components and parts for jigs and fixtures, including drill bushings	N	X	X	116 877	N	X	X	N
3335140215	Standard catalog components and parts for jigs and fixtures, including drill bushings	42	X	X	116 877	53	X	X	134 051
33351403	Metalworking forming and drawing dies, all sizes	N	X	X	781 105	N	X	X	N
3335140318	Press brake metalworking dies	60	X	X	85 278	54	X	X	35 320
3335140321	Metalworking forming and drawing dies, 500 lb weight or less	216	X	X	173 825	218	X	X	140 426
3335140326	Metalworking forming and drawing dies, 501 to 3,000 lb weight	220	X	X	141 954	226	X	X	150 813
3335140332	Metalworking forming and drawing dies, more than 3,000 lb weight	145	X	X	380 048	143	X	X	303 638
33351404	All other metalworking stamping-type dies, lamination and blanking dies (punch, trim, notch, pierce, perforate, etc.)	N	X	X	1 051 329	N	X	X	N
3335140423	All other metalworking stamping-type dies, including lamination and blanking dies (punch, trim, notch, pierce, perforate, etc.)	405	X	X	726 502	421	X	X	468 239
3335140429	Other metalworking stamping dies (including lamination and blanking), progressive-type	254	X	X	324 827	261	X	X	188 698

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333514	Special dies, tools, jigs, and fixtures—Con.								
3335140	Special dies and tools, die sets, jigs, and fixtures—Con.								
33351405	Metalworking stamping, forging, extrusion, and wiredrawing, and straightening dies.....	N	X	X	1 440 015	N	X	X	N
3335140535	Metalworking stamping dies (including lamination and blanking), progressive-type, high-speed steel.....	598	X	X	898 217	546	X	X	462 559
3335140538	Metalworking stamping dies (including lamination and blanking), progressive-type, carbide.....	109	X	X	161 414	84	X	X	82 021
3335140541	Metalworking open-type forging dies, including cold forging and heading.....	62	X	X	113 639	50	X	X	41 051
3335140543	Metalworking closed-type forging dies, including cold forging and heading.....	85	X	X	122 341	109	X	X	99 029
3335140546	Metalworking ceramic and ceramic composite extrusion and wiredrawing and straightening dies.....	4	X	X	28 842	2	X	X	292
3335140549	Metalworking high-speed steel extrusion and wiredrawing and straightening dies.....	63	X	X	115 562	49	X	X	65 411
33351406	All other metalworking dies.....	N	X	X	607 171	N	X	X	N
3335140652	Other metalworking extrusion and wiredrawing and straightening dies.....	44	X	X	126 228	49	X	X	73 581
3335140655	Metalworking carbide extrusion and wiredrawing and straightening dies.....	47	X	X	53 700	43	X	X	36 117
3335140658	All other high-speed steel metalworking dies.....	115	X	X	115 892	94	X	X	55 714
3335140661	All other carbide metalworking dies.....	66	X	X	75 028	57	X	X	62 715
3335140663	All other metalworking dies.....	92	X	X	115 969	93	X	X	68 465
3335140666	Standard and special metalworking die sets.....	70	X	X	120 354	64	X	X	94 308
33351407	Punches for dies.....	N	X	X	418 775	N	X	X	N
3335140769	Standard steel punches for dies.....	110	X	X	187 984	108	X	X	188 661
3335140772	Standard carbide punches for dies.....	39	X	X	29 545	43	X	X	26 743
3335140775	Other standard punches for dies.....	124	X	X	201 246	100	X	X	162 722
33351408	Industrial models and prototypes.....	N	X	X	642 805	N	X	X	N
3335140878	Industrial models and prototypes.....	415	X	X	642 805	352	X	X	427 228
33351409	Other specially designed tooling.....	N	X	X	1 046 786	N	X	X	N
3335140981	Other specially designed tooling.....	500	X	X	1 046 786	430	X	X	494 256
3335140Y	Special dies, tools, jigs, and fixtures, nsk, total.....	N	X	X	1 662 909	N	X	X	N
3335140YWW	Special dies, tools, jigs, and fixtures, nsk.....	N	X	X	1 372 658	N	X	X	N
3335140YWY	Special dies, tools, jigs, and fixtures, nsk, for administrative-record establishments.....	N	X	X	290 251	N	X	X	N
333515	Cutting tool and machine tool accessories.....	N	X	X	5 001 706	N	X	X	N
3335151	Small cutting tools for machine tools and metalworking machinery.....	N	X	X	3 253 414	N	X	X	2 054 446
33351511	Other cutting tools for machine tools, nec, except tips and blanks sold separately.....	N	X	X	592 055	N	X	X	N
3335151102	Broaches (excluding holders and burnishing bars) for machine tools and metalworking machinery.....	50	X	X	114 416	48	X	X	92 264
3335151124	Carbon steel and high-speed steel reamers (all types, except gun reamers) for machine tools and metalworking machinery, including blades sold separately.....	40	X	X	62 963	33	X	X	27 358
3335151126	Solid and tipped carbide reamers (all types, except gun reamers) for machine tools and metalworking machinery (including replaceable blades sold separately) (excluding tips and blanks sold separately).....	51	X	X	47 497	43	X	X	36 097
3335151128	Hobs (all types) for machine tools and metalworking machinery.....	6	X	X	D	5	X	X	24 751
3335151132	Gear shaper cutters and gear shaving cutters for machine tools and metalworking machinery.....	8	X	X	D	11	X	X	20 425
3335151148	Single and double point cutting tools for machine tools and metalworking machinery.....	27	X	X	42 519	43	X	X	52 410
3335151152	Circular form cutting tools (including semifinished blanks) for machine tools and metalworking machinery.....	24	X	X	30 305	26	X	X	31 010
3335151188	Other solid and tipped carbide cutting tools for machine tools, nec (except tips and blanks sold separately) (including rotary burrs, rotary files, spade drills).....	79	X	X	219 692	60	X	X	77 618

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333515	Cutting tool and machine tool accessories—Con.								
3335151	Small cutting tools for machine tools and metalworking machinery—Con.								
33351512	Carbon steel and high-speed steel shank twist drills for machine tools and metalworking machinery (excluding combined drills, countersinks, and gun drills)	N	X	X	341 962	N	X	X	N
3335151204	Carbon steel and high-speed steel taper shank twist drills for machine tools and metalworking machinery (excluding combined drills, countersinks, and gun drills)	23	X	X	26 751	14	X	X	15 476
3335151206	Carbon steel and high-speed steel straight shank twist drills for machine tools and metalworking machinery (excluding combined drills, countersinks, and gun drills)	39	X	X	315 211	28	X	X	241 541
33351513	Twist drills, gun drills, combined drills, countersinks, and underbores	N	X	X	305 078	N	X	X	N
3335151308	Masonry twist drill bits for machine tools and metalworking machinery (excluding combined drills, countersinks, and gun drills)	11	X	X	48 788	12	X	X	39 025
3335151312	Solid and tipped carbide twist drills for machine tools and metalworking machinery (excluding combined drills, countersinks, gun drills, tips and blanks sold separately, and masonry drills)	41	X	X	143 303	42	X	X	98 830
3335151314	Gun drills and gun reamers for machine tools and metalworking machinery	16	X	X	27 365	17	X	X	20 086
3335151316	Combination drills and countersinks for machine tools and metalworking machinery	27	X	X	48 813	23	X	X	15 933
3335151318	Countersinks (including port cutters, etc.) for machine tools and metalworking machinery (except combined drills-countersinks and pilots for interchangeable pilots)	27	X	X	18 690	24	X	X	13 739
3335151322	Counterbores (including spot facers, etc.) for machine tools and metalworking machinery (excluding pilots for interchangeable pilot types)	38	X	X	18 119	26	X	X	11 968
33351514	End mills and milling cutters	N	X	X	455 235	N	X	X	N
3335151434	High-speed steel end mills (excluding inserted blade types and shell mills) for machine tools and metalworking machinery	49	X	X	129 351	42	X	X	87 099
3335151436	Solid and tipped carbide end mills (excluding inserted blade types, shell mills, and blades sold separately) for machine tools and metalworking machinery	61	X	X	166 787	52	X	X	88 641
3335151438	Nonindexible inserted blade type milling cutters (all types, complete) for machine tools and metalworking machinery	16	X	X	7 647	13	X	X	8 786
3335151442	Indexible or throwaway insert type milling cutters (all types, complete) for machine tools and metalworking machinery	27	X	X	43 860	22	X	X	27 748
3335151444	High-speed steel milling cutters, nec, for machine tools and metalworking machinery	27	X	X	79 377	27	X	X	59 538
3335151446	Solid and tipped carbide milling cutters, nec, for machine tools and metalworking machinery (excluding tips and blanks sold separately)	33	X	X	28 213	20	X	X	9 801
33351515	Threading tools, including blanks, tips, and inserts	N	X	X	892 902	N	X	X	N
3335151554	Dies, with two or more thread-forming edges integral with the body (excluding metalworking dies in product class 35441) for machine tools and metalworking machinery	9	X	X	14 375	8	X	X	12 923
3335151558	Chasers, single edge thread-cutting, circular blade and tangent types for mount in-on holders, die heads, and tap bodies on machine tools and metalworking machinery	15	X	X	40 250	9	X	X	26 979
3335151562	Molded blanks and tips (excluding pressed-to-size inserts) for machine tools and metalworking machinery	21	X	X	123 005	24	X	X	90 915
3335151564	Other carbide indexible and throwaway inserts for machine tools and metalworking machinery	23	X	X	289 153	17	X	X	129 975
3335151568	Carbide inserts, other than indexible and throwaway types, for machine tools and metalworking machinery	23	X	X	78 528	19	X	X	26 859

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333515	Cutting tool and machine tool accessories—Con.								
3335151	Small cutting tools for machine tools and metalworking machinery—Con.								
33351515	Threading tools, including blanks, tips, and inserts—Con.								
3335151572	Thread-rolling dies, including circular, flat, and planetary, for machine tools and metalworking machinery	13	X	X	57 666	12	X	X	40 044
3335151574	Other threading tools (including screw plates and threading sets) for machine tools and metalworking machinery	8	X	X	4 664	N	X	X	N
3335151576	Other carbon steel cutting tools for machine tools, nec (including rotary burrs, rotary files, and spade drills)	22	X	X	74 416	12	X	X	16 489
3335151578	Other high-speed steel cutting tools for machine tools, nec (including rotary burrs, rotary files, and spade drills)	51	X	X	89 847	36	X	X	44 489
3335151582	Ceramic indexable and throwaway inserts for machine tools and metalworking machinery	11	X	X	38 737	9	X	X	31 920
3335151584	Indexable and throwaway inserts other than carbide and ceramic for machine tools and metalworking machinery	11	X	X	D	13	X	X	15 668
3335151586	Ceramic inserts, other than indexable and throwaway types, for machine tools and metalworking machinery	3	X	X	D	N	X	X	N
3335151592	Inserts, other than carbide and ceramic, other than indexable and throwaway, for machine tools and metalworking machinery	14	X	X	35 521	12	X	X	18 475
33351516	Taps (excluding taps in threading sets and screw plates and inserted chaser types) for machine tools and metalworking machinery	N	X	X	179 039	N	X	X	N
3335151656	Taps (excluding taps in threading sets and screw plates and inserted chaser types) for machine tools and metalworking machinery	31	X	X	179 039	22	X	X	115 263
33351517	Precision ground carbide indexable and throwaway inserts for machine tools and metalworking machinery	N	X	X	366 607	N	X	X	N
3335151766	Precision ground carbide indexable and throwaway inserts for machine tools and metalworking machinery	73	X	X	366 607	59	X	X	271 622
3335151Y	Small cutting tools for machine tools and metalworking machinery, nsk	N	X	X	120 536	N	X	X	N
3335151YWV	Small cutting tools for machine tools and metalworking machinery, nsk	N	X	X	120 536	N	X	X	88 825
3335153	Other attachments and accessories for machine tools and metalworking machinery	N	X	X	1 085 230	N	X	X	665 846
33351531	Other attachments and accessories for machine tools and metalworking machinery	N	X	X	1 038 558	N	X	X	N
3335153101	Holders for turning tools, mechanically clamping for inserts and bits (except box tools and screw machine tool holders) for machine tools and metalworking machinery	52	X	X	125 623	51	X	X	83 024
3335153106	Holders for boring bars and heads for machine tools and metalworking machinery	34	X	X	72 632	29	X	X	49 916
3335153111	Holders for drilling, reaming, and tapping chucks for machine tools and metalworking machinery	17	X	X	129 163	12	X	X	76 720
3335153116	Holders for special tooling and attachments for screw and automatic machines (box tools, tool holders, turrets, rollers, etc.)	41	X	X	52 711	27	X	X	24 059
3335153121	Holders for die heads and tap bodies for chaser-type threading and thread-rolling heads (excluding hand-type die stocks)	15	X	X	16 805	9	X	X	10 056
3335153126	Other tool holders, including other chucks, drill heads, tool posts, turrets, sleeves, sockets, etc.	27	X	X	84 405	38	X	X	57 791
3335153131	Tracer and tapering attachments, safety devices, centers, dogs, work rests, chutes, etc., for machine tools and metalworking machinery	12	X	X	24 807	12	X	X	14 804
3335153136	Lathe chucks for machine tools and metalworking machinery	12	X	X	23 829	11	X	X	28 413
3335153146	Rotary tables, including numerically controlled	12	X	X	15 637	N	X	X	N
3335153152	Indexing work holders, excluding rotary tables	13	X	X	36 912	N	X	X	N
3335153154	Collets, jaws, vises	47	X	X	113 046	N	X	X	N

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NAICS product code	Product	1997				1992			
		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333515	Cutting tool and machine tool accessories—Con.								
3335153	Other attachments and accessories for machine tools and metalworking machinery—Con.								
33351531	Other attachments and accessories for machine tools and metalworking machinery—Con.								
3335153156	Tool room specialties (including levels, angle plates, parallels, sine bars, V-blocks, flats, etc.) for machine tools and metalworking machinery	17	X	X	35 798	5	X	X	4 902
3335153166	Other than collets, jaws, or vises such as mandrels, feeding fingers clamps, stops, etc.	49	X	X	98 410	N	X	X	N
3335153176	Other attachments and accessories for machine tools and metalworking machinery	88	X	X	208 780	73	X	X	92 100
3335153Y	Other attachments and accessories for machine tools and metalworking machinery, nsk	N	X	X	46 672	N	X	X	N
3335153YVV	Other attachments and accessories for machine tools and metalworking machinery, nsk	N	X	X	46 672	N	X	X	15 243
333515W	Machine tool accessories, nsk, total	N	X	X	663 062	N	X	X	N
333515WY	Machine tool accessories, nsk, total	N	X	X	663 062	N	X	X	N
333515WYWW	Machine tool accessories, nsk, for nonadministrative-record establishments	N	X	X	364 069	N	X	X	N
333515WYWY	Machine tool accessories, nsk, for administrative-record establishments	N	X	X	298 993	N	X	X	N
333516	Rolling mill machinery	N	X	X	666 294	N	X	X	436 527
3335161	Hot rolling mill machinery (including combination hot and cold) (except tube rolling)	N	X	X	181 403	N	X	X	147 287
33351611	Hot rolling mill machinery (including combination hot and cold) (except tube rolling)	N	X	X	181 403	N	X	X	N
3335161101	Blooming, slabbing, plate rolling (except tin plate), and hot strip mill machinery	2	X	X	D	N	X	X	N
3335161191	Other hot rolling mill machinery and equipment (including hot and cold) (except tube rolling)	7	X	X	D	8	X	X	91 829
3335161Y	Hot rolling mill machinery (including combination hot and cold) (except tube rolling), nsk	N	X	X	—	N	X	X	N
3335161YVV	Hot rolling mill machinery (including combination hot and cold) (except tube rolling), nsk	N	X	X	—	N	X	X	—
3335163	Cold rolling mill machinery	N	X	X	95 007	N	X	X	66 868
33351631	Cold rolling mill machinery	N	X	X	95 007	N	X	X	N
3335163101	Tandem cold rolling mill machinery	6	X	X	20 846	5	X	X	10 872
3335163106	Single stand cold rolling mill machinery	5	X	X	60 056	6	X	X	36 737
3335163191	Other cold rolling mill machinery and equipment	7	X	X	14 105	N	X	X	N
3335163Y	Cold rolling mill machinery, nsk	N	X	X	—	N	X	X	N
3335163YVV	Cold rolling mill machinery, nsk	N	X	X	—	N	X	X	1 332
3335165	Other rolling mill machinery (including tube mill machinery) and parts for all rolling mill machinery	N	X	X	348 676	N	X	X	181 031
33351651	Other rolling mill machinery (including tube mill machinery) and parts for all rolling mill machinery	N	X	X	347 473	N	X	X	N
3335165101	Tube rolling mill machinery	9	X	X	76 036	8	X	X	25 363
3335165106	Precressing lines (including pickling and cleaning, tinning, galvanizing, etc.), scarfing units, and press feed lines	6	X	X	70 311	N	X	X	N
3335165111	Other rolling mill machinery and equipment, except parts	12	X	X	46 134	6	X	X	N
3335165116	Machined rolls for rolling mills	19	X	X	109 911	17	X	X	90 800
3335165121	Parts, except rolls, for rolling mill machinery (sold separately)	15	X	X	45 081	15	X	X	29 241
3335165Y	Other rolling mill machinery (including tube mill machinery) and parts for all rolling mill machinery, nsk	N	X	X	1 203	N	X	X	N
3335165YVV	Other rolling mill machinery (including tube mill machinery) and parts for all rolling mill machinery, nsk	N	X	X	1 203	N	X	X	10 746

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333516	Rolling mill machinery—Con.								
333516W	Rolling mill machinery, nsk, total	N	X	X	41 208	N	X	X	41 341
333516WY	Rolling mill machinery, nsk, total	N	X	X	41 208	N	X	X	N
333516WYWW	Rolling mill machinery, nsk, for nonadministrative-record establishments	N	X	X	17 858	N	X	X	32 200
333516WYWY	Rolling mill machinery, nsk, for administrative-record establishments	N	X	X	23 350	N	X	X	9 141
333518	Metalworking machinery, nec	N	X	X	3 199 715	N	X	X	1 511 822
3335181	Assembly machines	N	X	X	2 010 605	N	X	X	872 045
33351811	Rotary transfer metalworking assembly machines (dial or rotary, trunnion, center column)	N	X	X	192 309	N	X	X	N
3335181101	Rotary transfer metalworking assembly machines (dial or rotary, trunnion, center column)	51	X	X	192 309	55	X	X	91 285
33351812	Synchronous inline transfer metalworking assembly machines	N	X	X	308 248	N	X	X	N
3335181206	Inline transfer, synchronous metalworking assembly machines	48	X	X	308 248	42	X	X	130 817
33351813	Nonsynchronous inline transfer metalworking assembly machines	N	X	X	241 928	N	X	X	N
3335181311	Inline transfer, nonsynchronous metalworking assembly machines	36	X	X	241 928	35	X	X	166 144
33351814	Special-purpose and other types of metalworking assembly machines	N	X	X	1 049 893	N	X	X	N
3335181416	Special-purpose and other types of metalworking assembly machines	149	X	X	1 049 893	111	X	X	442 597
33351815	Parts and attachments for metalworking assembly machines (sold separately)	N	X	X	81 390	N	X	X	N
3335181521	Parts and attachments for metalworking assembly machines (sold separately)	52	X	X	81 390	36	X	X	32 239
3335181Y	Assembly machines, nsk	N	X	X	136 837	N	X	X	N
3335181YWV	Assembly machines, nsk	N	X	X	136 837	N	X	X	8 963
3335183	Other metalworking machinery (except handheld and ultrasonic)	N	X	X	868 597	N	X	X	487 219
33351831	Other metalworking machinery (except handheld and ultrasonic)	N	X	X	815 214	N	X	X	N
3335183101	Metalworking draw benches and wiredrawing machines (except dies, handheld, and ultrasonic)	6	X	X	14 770	11	X	X	18 350
3335183106	Wire rope or wire cable making machines (except handheld and ultrasonic)	6	X	X	21 468	7	X	X	13 268
3335183111	Other metalworking machines for working wire (except handheld and ultrasonic)	17	X	X	100 022	25	X	X	61 742
3335183116	Cut-to-length coil handling lines (conversion or straightening) (except handheld and ultrasonic)	20	X	X	203 836	17	X	X	47 431
3335183121	Slitting coil handling lines (conversion or straightening) (except handheld and ultrasonic)	12	X	X	58 648	12	X	X	41 643
3335183126	Other metalworking machinery (except handheld and ultrasonic)	72	X	X	357 746	74	X	X	211 101
3335183131	Parts and attachments for other metalworking machinery (except handheld and ultrasonic) (sold separately)	33	X	X	58 724	40	X	X	80 539
3335183Y	Other metalworking machinery (except handheld and ultrasonic), nsk	N	X	X	53 383	N	X	X	N
3335183YWV	Other metalworking machinery (except handheld and ultrasonic), nsk	N	X	X	53 383	N	X	X	13 145
333518W	Metalworking machinery, nec, nsk, total	N	X	X	320 513	N	X	X	152 558
333518WY	Metalworking machinery, nec, nsk, total	N	X	X	320 513	N	X	X	N
333518WYWW	Metalworking machinery, nec, nsk, for nonadministrative-record establishments	N	X	X	258 367	N	X	X	119 744
333518WYWY	Metalworking machinery, nec, nsk, for administrative-record establishments	N	X	X	62 146	N	X	X	32 814

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333611	Turbines, and turbine generators, and turbine generator sets	N	X	X	6 594 972	N	X	X	6 003 194
3336110	Turbine generator sets, turbines, turbine generators, and parts	N	X	X	6 594 972	N	X	X	6 003 194
33361101	Turbine generator sets	N	X	X	2 677 815	N	X	X	N
3336110101	Turbine generator sets	14	X	X	2 677 815	10	X	X	1 838 826
33361102	Steam turbines and other vapor turbines	N	X	X	219 650	N	X	X	N
3336110211	Steam turbines and other vapor turbines	8	X	X	219 650	8	X	X	242 726
33361107	Accessories for turbines, turbine generators, and turbine generator sets	N	X	X	1 368 051	N	X	X	N
3336110706	Turbine generator parts and accessories (sold separately)	16	X	X	620 042	15	X	X	D
3336110741	Parts and accessories for hydraulic turbines (sold separately)	1	X	X	D	N	X	X	—
3336110746	Parts and accessories for steam and other vapor turbines (sold separately)	17	X	X	360 353	16	X	X	423 391
3336110761	Parts and accessories for gas turbines, except aircraft (sold separately)	29	X	X	241 553	34	X	X	426 399
3336110766	Parts and accessories for wind turbines (sold separately)	1	X	X	D	1	X	X	D
3336110776	Turbine generator parts and accessories (sold separately)	18	X	X	D	13	X	X	D
33361108	Other turbines and turbine generators	N	X	X	506 821	N	X	X	N
3336110836	Hydraulic turbines (all sizes)	4	X	X	D	1	X	X	D
3336110856	Wind turbines	6	X	X	D	4	X	X	D
3336110871	Turbine generators	8	X	X	466 197	6	X	X	162 748
33361109	Gas turbines, except aircraft (all sizes)	N	X	X	1 739 865	N	X	X	N
3336110951	Gas turbines, except aircraft (all sizes)	18	X	X	1 739 865	18	X	X	1 965 069
3336110Y	Turbines, turbine generators, and turbine generator sets, nsk	N	X	X	82 770	N	X	X	N
3336110YWW	Turbines, turbine generators, and turbine generator sets, nsk, for nonadministrative-record establishments	N	X	X	82 770	N	X	X	43 128
3336110YWY	Turbines, turbine generators, and turbine generator sets, nsk, for administrative-record establishments	N	X	X	—	N	X	X	—
333612	Speed changers, drives and gears	N	X	X	2 434 918	N	X	X	1 697 391
3336123	Loose gearing, including gears, pinions, racks, and worms, sold separately	N	X	X	688 065	N	X	X	N
33361231	Gears, pinions, racks, and worms, sold separately	N	X	X	680 528	N	X	X	N
3336123111	Loose gears, coarse pitch (diametral pitch less than 20), helical and spur (and herringbone), diameter 24 in. (60.96 cm) or less, hard finished	64	X	X	132 440	N	X	X	N
3336123113	Loose gears, coarse pitch (diametral pitch less than 20), helical and spur (and herringbone), diameter 24 in. (60.96 cm) or less, other than hard finished	38	X	X	66 569	N	X	X	N
3336123116	Loose gears, coarse pitch (diametral pitch less than 20), helical and spur (and herringbone), diameter more than 24 in. (60.96 cm), up through 72 in. (182.88 cm)	30	X	X	56 285	N	X	X	N
3336123118	Loose gears, coarse pitch (diametral pitch less than 20), helical and spur (and herringbone), diameter more than 72 in. (182.88 cm)	16	X	X	38 524	N	X	X	N
3336123125	Coarse pitch (diametral pitch less than 20) worms and worm gearing, sold separately	39	X	X	42 360	N	X	X	N
3336123135	Loose gears, coarse pitch (diametral pitch less than 20), bevel (straight, spiral, and other)	38	X	X	74 263	N	X	X	N
3336123146	Loose gearing, coarse pitch (diametral pitch less than 20), nec, including racks	26	X	X	133 076	N	X	X	N
3336123153	Loose gears, fine pitch (diametral pitch 20 or more), helical and spur (and herringbone)	38	X	X	88 369	N	X	X	N
3336123155	Fine pitch (diametral pitch 20 or more) worms and worm gearing, sold separately	16	X	X	7 006	N	X	X	N
3336123157	Loose gearing, fine pitch (diametral pitch 20 or more), nec, including bevel gears and racks	27	X	X	41 636	N	X	X	N
3336123Y	Gears, nsk	N	X	X	7 537	N	X	X	N
3336123YVW	Gears, nsk	N	X	X	7 537	N	X	X	N

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333612	Speed changers, drives and gears—Con.								
3336127	Speed changers and industrial high-speed drives, and parts other than loose gearing	N	X	X	1 544 834	N	X	X	N
33361271	Worm speed reducers	N	X	X	254 269	N	X	X	N
3336127114	Worm speed reducers, single reduction, center distance less than 3 in. (7.62 cm), with C-face, flange, or scoop mount	11	X	X	87 825	N	X	X	N
3336127116	Worm speed reducers, single reduction, center distance less than 3 in. (7.62 cm), without C-face, flange, or scoop mount	8	X	X	37 753	N	X	X	N
3336127118	Worm speed reducers, single reduction, center distance 3 in. (7.62 cm) or more	13	X	X	103 600	N	X	X	N
3336127121	Worm speed reducers, double or multiple reduction (worm/worm or helical/worm)	7	X	X	25 091	N	X	X	N
33361272	Right angle worm gearmotors (enclosed right angle worm gear drive in common support with an electric motor, having an exclusive and dependent, or interrelated, design)	N	X	X	99 082	N	X	X	N
3336127225	Right angle worm gearmotors (enclosed right angle worm gear drive in common support with an electric motor, having an exclusive and dependent, or interrelated, design), less than 1 hp (746 watts)	9	X	X	47 524	10	X	X	S
3336127226	Right angle worm gearmotors (enclosed right angle worm gear drive in common support with an electric motor, having an exclusive and dependent, or interrelated, design), at least 1 hp (746 watts)	9	X	X	51 558	10	X	X	S
33361273	Replacement parts for worm gear products (except for worms and worm gears)	N	X	X	23 550	N	X	X	N
3336127329	Replacement parts for worm gear products (except for worms and worm gears)	11	X	X	23 550	N	X	X	N
33361274	Planetary, cycloid, epicyclic, chain, cam, and allied concentric and parallel shaft speed reducers, motor-reducers, and gearmotor products, including parts	N	X	X	532 473	N	X	X	N
3336127437	Enclosed concentric and parallel (planetary, cycloid, epicyclic, etc.) shaft speed reducers and motor-reducers, center distance 6 in. (15.24 cm) or less	16	X	X	53 578	N	X	X	N
3336127438	Enclosed concentric and parallel (planetary, cycloid, epicyclic, etc.) shaft speed reducers and motor-reducers, center distance greater than 6 in. (15.24 cm)	12	X	X	46 211	N	X	X	N
3336127441	Concentric and parallel (planetary, cycloid, epicyclic, etc.) gearmotors (shaft motor-reducers; encl. redn. drive & elec. motor w/ common support & interrelated interface), less than 1 hp (746 watts)	12	X	X	144 791	N	X	X	N
3336127443	Concentric and parallel (planetary, cycloid, epicyclic, etc.) gearmotors (shaft motor-reducers), at least 1 hp (746 watts), up through 5 hp (3.73 kW)	8	X	X	32 297	N	X	X	N
3336127445	Concentric and parallel (planetary, cycloid, epicyclic, etc.) gearmotors (shaft motor-reducers), more than 5 hp (3.73 kW), up through 20 hp (14.9 kW)	4	X	X	D	N	X	X	N
3336127447	Concentric and parallel (planetary, cycloid, epicyclic, etc.) gearmotors (shaft motor-reducers; encl. redn. drive & elec. motor w/ common support & interrelated interface), more than 20 hp (14.9 kW)	5	X	X	D	N	X	X	N
333612744G	Planetary, cycloidal, epicyclic, chain, and cam reducers and gearmotors	14	X	X	225 271	N	X	X	N
333612744R	Replacement parts for concentric and parallel shaft speed reducer, motor-reducer, and gearmotor products, including planetaries, cycloids, and allied products	12	X	X	12 136	N	X	X	N
33361275	Shaft-mounted speed reducers and screw conveyor drives and parts	N	X	X	154 156	N	X	X	N
3336127553	Shaft-mounted speed reducers and screw conveyor drives, maximum bore of hollow shaft 2.756 in. (70 mm) or less in diameter	8	X	X	55 578	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333612	Speed changers, drives and gears—Con.								
3336127	Speed changers and industrial high-speed drives, and parts other than loose gearing—Con.								
33361275	Shaft-mounted speed reducers and screw conveyor drives and parts—Con.								
3336127555	Shaft-mounted speed reducers and screw conveyor drives, maximum bore of hollow shaft more than 2.756 in. (70 mm) in diameter	14	X	X	90 338	N	X	X	N
3336127559	Replacement parts for shaft-mounted speed reducers and screw conveyor drives	8	X	X	8 240	N	X	X	N
33361276	Industrial high-speed drives, fixed ratio, pitch line velocity of 5000 feet (1525 meters) per minute or more (pinion speeds of at least 3600 rpm), and replacement parts	N	X	X	34 295	N	X	X	N
3336127666	Industrial high-speed drives, fixed ratio (pitch line velocity of 5,000 feet (1,525 meters) per minute or more)	9	X	X	34 295	N	X	X	N
33361277	Offset parallel shaft and right angle speed reducers, except parts	N	X	X	228 973	N	X	X	N
3336127771	Offset parallel shaft speed reducers (including helical, herringbone, and spur), low-speed center 15 in. (38.10 cm) or less	12	X	X	101 704	N	X	X	N
3336127773	Offset parallel shaft speed reducers (including helical, herringbone, and spur), low-speed center more than 15 in. (38.10 cm)	9	X	X	60 717	N	X	X	N
3336127776	Right angle, single reduction speed reducers, other than worm	11	X	X	66 552	N	X	X	N
33361278	Replacement parts for offset parallel and right angle speed reducers	N	X	X	31 052	N	X	X	N
3336127879	Replacement parts for offset parallel and right angle speed reducers	9	X	X	31 052	N	X	X	N
33361279	Mechanical adjustable speed drives (nonhydraulic variable speed changers), excluding parts and value of drivers	N	X	X	50 854	N	X	X	N
3336127983	Mechanical adjustable speed drives (nonhydraulic variable speed changers), excluding parts and value of drivers	14	X	X	50 854	26	X	X	S
3336127A	Parts for mechanical adjustable speed drives (nonhydraulic variable speed changers)	N	X	X	15 469	N	X	X	N
3336127A88	Parts for mechanical adjustable speed drives (nonhydraulic variable speed changers)	6	X	X	15 469	N	X	X	N
3336127B	Other geared speed changers, industrial high-speed drives, and mechanical variable speed drives (gearboxes and allied products), nec, and parts	N	X	X	119 134	N	X	X	N
3336127B99	Other geared speed changers, industrial high-speed drives, and mechanical variable speed drives (gearboxes and allied products), nec, and parts	29	X	X	119 134	N	X	X	N
3336127Y	Speed changers and industrial high-speed drives, nsk	N	X	X	1 527	N	X	X	N
3336127YWV	Speed changers and industrial high-speed drives, nsk	N	X	X	1 527	N	X	X	N
333612W	Speed changers, industrial high-speed drives, and gears, nsk	N	X	X	202 019	N	X	X	S
333612WY	Speed changers, industrial high-speed drives, and gears, nsk	N	X	X	202 019	N	X	X	S
333612WYWW	Speed changers, drives, and gears, nsk, for nonadministrative-record establishments	N	X	X	136 630	N	X	X	S
333612WYWY	Speed changers, drives, and gears, nsk, for administrative-record establishments	N	X	X	65 389	N	X	X	S

Table 1. **Products Statistics: 1997 and 1992—Con.**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS product code	Product	1997				1992			
		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333613	Power transmission equipment, nec	N	X	X	3 023 510	N	X	X	2 314 909
3336131	Plain bearings and bushings	N	X	X	422 123	N	X	X	345 953
33361311	Plain bearings and bushings	N	X	X	405 707	N	X	X	N
3336131112	Plain bearings and bushings, unmounted, machined	42	X	X	371 588	42	X	X	271 714
3336131151	Plain bearings, mounted (except engine).....	8	X	X	34 119	11	X	X	69 642
3336131Y	Plain bearings and bushings, nsk	N	X	X	16 416	N	X	X	N
3336131YVW	Plain bearings and bushings, nsk	N	X	X	16 416	N	X	X	4 597
3336133	Mechanical power transmission equipment, except speed changers, drives, and gears, nec	N	X	X	2 480 907	N	X	X	1 852 198
33361331	Friction-type clutches and brakes	N	X	X	239 988	N	X	X	N
3336133111	Friction-type clutches and brakes	24	X	X	239 988	25	X	X	224 498
33361332	Other clutches and brakes, including hydraulic couplings	N	X	X	185 450	N	X	X	N
3336133213	Hydraulic-type clutches and brakes, including hydraulic couplings	9	X	X	40 084	12	X	X	28 659
3336133219	All other clutches and brakes	16	X	X	145 366	20	X	X	122 578
33361333	Flexible couplings	N	X	X	294 151	N	X	X	N
3336133327	Gear-type flexible couplings.....	13	X	X	110 164	12	X	X	63 594
3336133329	Flexible couplings other than gear-type	17	X	X	183 987	24	X	X	178 492
33361334	Roller chains for sprocket drives, meeting any ASME or ANSI standard	N	X	X	207 524	N	X	X	N
3336133444	Roller chains for sprocket drives, meeting any ASME or ANSI standard	9	X	X	207 524	7	X	X	105 405
33361335	Other chains for sprocket drives	N	X	X	129 802	N	X	X	N
3336133545	Other chains for sprocket drives	6	X	X	129 802	10	X	X	166 865
33361336	Sheaves	N	X	X	153 207	N	X	X	N
3336133648	Single drive sheaves	11	X	X	83 514	10	X	X	42 307
3336133649	Multiple drive sheaves	9	X	X	69 693	7	X	X	54 612
33361337	Other mechanical power transmission equipment, nec, except speed changers, drives, gears, and bearings.....	N	X	X	1 186 047	N	X	X	N
3336133756	Universal joints.....	16	X	X	136 101	12	X	X	62 533
3336133763	Sprockets	32	X	X	187 831	27	X	X	121 933
3336133767	Pulleys	23	X	X	54 042	23	X	X	62 695
3336133788	Marine propulsion gear transmissions and drives	14	X	X	90 154	N	X	X	N
3336133792	Mechanical power transmission equipment, nec, except parts	44	X	X	550 527	N	X	X	N
3336133798	Parts for mechanical power transmission equipment	29	X	X	167 392	N	X	X	N
3336133Y	Mechanical power transmission equipment, except speed changers, drives, and gears, nec, nsk	N	X	X	84 738	N	X	X	N
3336133YVW	Mechanical power transmission equipment, except speed changers, drives, and gears, nec, nsk	N	X	X	84 738	N	X	X	44 994
333613W	Power transmission equipment, nec, nsk, total	N	X	X	120 480	N	X	X	116 758
333613WY	Power transmission equipment, nec, nsk, total	N	X	X	120 480	N	X	X	N
333613WYWW	Power transmission equipment, nec, nsk, for nonadministrative-record establishments	N	X	X	47 561	N	X	X	84 096
333613WYWY	Power transmission equipment, nec, nsk, for administrative-record establishments	N	X	X	72 919	N	X	X	32 662
333618	Other engine equipment	N	X	X	18 651 316	N	X	X	N
3336181	Gasoline and gas-gasoline engines (except aircraft, automobile, highway truck, bus, tank, and outboard marine) @	N	X	X	2 438 511	N	X	X	1 549 296
33361810	Gasoline and gas-gasoline engines (except aircraft, automobile, highway truck, bus, tank, and outboard marine)	N	X	X	2 438 511	N	X	X	N
3336181000	Gasoline and gas-gasoline engines (except aircraft, automobile, highway truck, bus, tank, and outboard marine)	20	X	X	2 438 511	16	X	X	1 549 296

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333618	Other engine equipment— Con.								
3336183	Diesel, semidiesel, and dual-fuel engines (except automobile, highway truck, bus, and tank) @	N	X	X	3 251 257	N	X	X	1 486 728
33361830	Diesel, semidiesel, and dual-fuel engines (except automobile, highway truck, bus, and tank)	N	X	X	3 251 257	N	X	X	N
3336183000	Diesel, semidiesel, and dual-fuel engines (except automobile, highway truck, bus, and tank)	20	X	X	3 251 257	17	X	X	1 486 728
3336185	Diesel, semidiesel, and dual-fuel engines for automobiles, highway trucks, and buses @	N	X	X	6 401 731	N	X	X	3 165 719
33361850	Diesel, semidiesel, and dual-fuel engines for automobiles, highway trucks, and buses	N	X	X	6 401 731	N	X	X	N
3336185000	Diesel, semidiesel, and dual-fuel engines for automobiles, highway trucks, and buses	24	X	X	6 401 731	12	X	X	3 165 719
3336187	Outboard motors (including electric)	N	X	X	D	N	X	X	N
33361871	Outboard motors (including electric)	N	X	X	D	N	X	X	N
3336187100	Outboard motors (including electric)	8	X	X	D	N	X	X	N
3336189	Piston-type natural gas engines, including LPG engines (excluding gas turbines) @	N	X	X	431 767	N	X	X	175 470
33361890	Piston-type natural gas engines, including LPG engines (excluding gas turbines)	N	X	X	431 767	N	X	X	N
3336189000	Piston-type natural gas engines, including LPG engines (excluding gas turbines)	8	X	X	431 767	6	X	X	175 470
333618A	Tank (except gas turbine) and converted internal combustion engines	N	X	X	D	N	X	X	D
333618A1	Tank and converted internal combustion engines	N	X	X	D	N	X	X	N
333618A101	Tank engines, except gas turbines	—	X	X	D	1	X	X	D
333618A106	Converted internal combustion engines (basic engines, short blocks purchased or intracompany transfer and converted to marine or other uses)	2	X	X	D	8	X	X	S
333618AY	Tank (except gas turbine) and converted internal combustion engines, nsk	N	X	X	—	N	X	X	N
333618AYWV	Tank (except gas turbine) and converted internal combustion engines, nsk	N	X	X	—	N	X	X	—
333618F	Parts and accessories for internal combustion engines, except aircraft and gasoline automotive engines and gas turbines	N	X	X	4 311 222	N	X	X	N
333618F1	Electrical machinery, equipment, and supplies, excluding fuel injection systems	N	X	X	3 591 876	N	X	X	N
333618F101	Connecting rods for internal combustion engines, except aircraft and gasoline automotive engines and gas turbines	16	X	X	54 710	18	X	X	47 162
333618F106	Engine crankshafts for internal combustion engines, except aircraft and gasoline automotive engines and gas turbines	20	X	X	145 392	25	X	X	165 045
333618F111	Engine camshafts for internal combustion engines, except aircraft and gasoline automotive engines and gas turbines	16	X	X	137 169	18	X	X	93 351
333618F116	Flywheels for internal combustion engines, except aircraft and gasoline automotive engines and gas turbines	15	X	X	60 305	15	X	X	29 634
333618F121	Main (crankshaft) engine bearings (halves) for internal combustion engines, except aircraft and gasoline automotive engines and gas turbines	7	X	X	52 249	4	X	X	D
333618F126	Connecting rod bearings (halves) for internal combustion engines, except aircraft and gasoline automotive engines and gas turbines	9	X	X	D	6	X	X	22 474
333618F131	Other engine bearings (halves) (camshaft, balance shaft, etc.) for internal combustion engines, except aircraft and gasoline automotive engines and gas turbines	9	X	X	46 376	6	X	X	36 665

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333618	Other engine equipment— Con.								
333618F	Parts and accessories for internal combustion engines, except aircraft and gasoline automotive engines and gas turbines—Con.								
333618F1	Electrical machinery, equipment, and supplies, excluding fuel injection systems—Con.								
333618F136	Oil pumps, new, for internal combustion engines, except aircraft and gasoline automotive engines and gas turbines	16	X	X	67 242	12	X	X	19 125
333618F141	Fuel pumps, new, for internal combustion engines, except aircraft and gasoline automotive engines and gas turbines	11	X	X	D	7	X	X	D
333618F146	Water pumps, new, for internal combustion engines, except aircraft and gasoline automotive engines and gas turbines	11	X	X	61 210	9	X	X	30 503
333618F151	Engine blocks for internal combustion engines, except aircraft and gasoline automotive engines and gas turbines	22	X	X	325 456	17	X	X	118 168
333618F156	Cylinder liners (sleeves) for internal combustion engines, except aircraft and gasoline automotive engines and gas turbines	23	X	X	299 727	20	X	X	158 587
333618F161	Cylinder heads for internal combustion engines, except aircraft and gasoline automotive engines and gas turbines	20	X	X	307 127	21	X	X	127 659
333618F166	Intake manifolds and exhaust manifolds for internal combustion engines, except aircraft and gasoline automotive engines and gas turbines	25	X	X	89 800	17	X	X	52 264
333618F171	Valve guides, seats, and tappets for internal combustion engines, except aircraft and gasoline automotive engines and gas turbines	17	X	X	19 665	12	X	X	15 433
333618F176	Rocker arms and parts for internal combustion engines, except aircraft and gasoline automotive engines and gas turbines	13	X	X	100 914	13	X	X	25 018
333618F186	Engine speed governors for internal combustion engines, except aircraft and gasoline automotive engines and gas turbines	13	X	X	100 167	12	X	X	65 020
333618F196	Superchargers, including turbochargers, for internal combustion engines, except aircraft and gasoline automotive engines and gas turbines	15	X	X	395 403	17	X	X	153 485
333618F199	Other parts and accessories for internal combustion engines, except aircraft and gasoline automotive engines and gas turbines	88	X	X	1 177 146	81	X	X	1 012 600
333618F2	Fuel injection systems (multipoint) for internal combustion engines, except aircraft and gasoline automotive engines and gas turbines	N	X	X	719 346	N	X	X	N
333618F281	Fuel injection systems (multipoint) for internal combustion engines, except aircraft and gasoline automotive engines and gas turbines	15	X	X	719 346	19	X	X	459 169
333618FY	Parts and accessories for internal combustion engines, except aircraft and gas automotive engines and turbines, nsk	N	X	X	—	N	X	X	N
333618FYWV	Parts and accessories for internal combustion engines, except aircraft and gas automotive engines and turbines, nsk	N	X	X	—	N	X	X	N
333618W	Other engine equipment manufacturing, nsk, total	N	X	X	100 516	N	X	X	N
333618WY	Other engine equipment manufacturing, nsk, for nonadministrative-record establishments	N	X	X	100 516	N	X	X	N
333618WYWW	Other engine equipment manufacturing, nsk, for nonadministrative-record establishments	N	X	X	46 388	N	X	X	N
333618WYWY	Other engine equipment manufacturing, nsk, for administrative-record establishments	N	X	X	54 128	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333911	Pumps and pumping equipment	N	X	X	6 116 900	N	X	X	N
3339111	Pumps (except packaged, hand, automotive circulating, locomotive, hydraulic fluid power, measuring and dispensing, industrial spraying etc.) @	N	X	X	4 650 241	N	X	X	N
33391111	Domestic water systems (pumps for farm and home use), excluding irrigation pumps	N	X	X	384 861	N	X	X	N
3339111110	Domestic water systems (pumps for farm and home use), excluding irrigation pumps	29	X	X	384 861	32	X	X	317 592
33391112	Domestic sump pumps (1 hp or less) (including the value of the driver if shipped as a complete unit)	N	X	X	155 735	N	X	X	N
3339111220	Domestic sump pumps (1 hp or less) (including the value of the driver if shipped as a complete unit)	14	X	X	155 735	23	X	X	150 813
33391113	Oil-well and oil-field pumps, except boiler feed (including the value of the driver if shipped as a complete unit)	N	X	X	413 340	N	X	X	N
3339111330	Oil-well and oil-field pumps, except boiler feed (including the value of the driver if shipped as a complete unit)	32	X	X	413 340	28	X	X	207 996
33391114	Industrial pumps, except hydraulic fluid power pumps, automotive circulating pumps, and measuring and dispensing pumps	N	X	X	3 368 678	N	X	X	N
3339111440	Industrial pumps, except hydraulic fluid power pumps, automotive circulating pumps, and measuring and dispensing pumps	156	X	X	3 368 678	195	X	X	2 395 855
33391115	Other pumps, except packaged pumps, hand pumps, automotive circulating pumps, locomotive pumps, hydraulic fluid power pumps, measuring and dispensing pumps, and industrial spraying equipment	N	X	X	327 627	N	X	X	N
3339111590	Other pumps, except packaged pumps, hand pumps, automotive circulating pumps, locomotive pumps, hydraulic fluid power pumps, measuring and dispensing pumps, and industrial spraying equipment	58	X	X	327 627	61	X	X	340 128
3339111Y	Pumps, except packaged pumps, hand pumps, automotive circulating pumps, locomotive pumps, hydraulic fluid power pumps, measuring and dispensing pumps, and industrial spraying equipment, nsk	N	X	X	—	N	X	X	N
3339111YWV	Pumps, except packaged pumps, hand pumps, automotive circulating pumps, locomotive pumps, hydraulic fluid power pumps, measuring and dispensing pumps, and industrial spraying equipment, nsk	N	X	X	—	N	X	X	—
3339115	Parts and attachments for pumps and pumping equipment (except for hydraulic, fluid power, and air and gas compressors) @	N	X	X	1 153 674	N	X	X	N
33391151	Locomotive fuel lubricating or cooling medium pumps	N	X	X	1 153 674	N	X	X	N
3339115105	Locomotive fuel lubricating or cooling medium pumps	1	X	X	D	N	X	X	N
3339115133	Parts and attachments for pumps and pumping equipment (except for hydraulic fluid power, and air and gas compressors), and packaged pumps	97	X	X	D	N	X	X	N
3339115Y	Parts and attachments for pumps and pumping equipment (except for hydraulic fluid power, and air and gas compressors), and locomotive and packaged pumps, nsk	N	X	X	—	N	X	X	N
3339115YWV	Parts and attachments for pumps and pumping equipment (except for hydraulic fluid power, and air and gas compressors), and locomotive and packaged pumps, nsk	N	X	X	—	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333911	Pumps and pumping equipment—Con.								
333911W	Pump and pumping equipment manufacturing, nsk, total	N	X	X	312 985	N	X	X	N
333911WY	Pump and pumping equipment manufacturing, nsk, total	N	X	X	312 985	N	X	X	N
333911WYWW	Pump and pumping equipment manufacturing, nsk, for nonadministrative-record establishments	N	X	X	146 634	N	X	X	N
333911WYWY	Pump and pumping equipment manufacturing, nsk, for administrative-record establishments	N	X	X	166 351	N	X	X	N
333912	Air and gas compressors	N	X	X	4 681 070	N	X	X	3 547 196
3339121	Air and gas compressors and vacuum pumps @	N	X	X	2 931 851	N	X	X	N
33391211	Air and gas compressors, except compressors for ice making, refrigeration, or air-conditioning equipment, and except air motors and packaged compressors	N	X	X	2 574 054	N	X	X	N
3339121110	Air and gas compressors, except compressors for ice making, refrigeration, or air-conditioning equipment, and except air motors and packaged compressors	65	X	X	2 574 054	89	X	X	1 879 640
33391212	Vacuum pumps (compressors) (including value of the driver if shipped as a complete unit), except laboratory	N	X	X	357 797	N	X	X	N
3339121220	Vacuum pumps (compressors) (including value of the driver if shipped as a complete unit), except laboratory	37	X	X	357 797	36	X	X	176 507
3339121Y	Air and gas compressors and vacuum pumps, nsk	N	X	X	—	N	X	X	N
3339121YWV	Air and gas compressors and vacuum pumps, nsk	N	X	X	—	N	X	X	3 957
3339125	Parts and attachments for air and gas compressors (except for refrigeration, ice making, and air-conditioning equipment), and packaged compressors @	N	X	X	713 789	N	X	X	735 719
33391251	Parts and attachments for air and gas compressors (except for refrigeration, ice making, and air-conditioning equipment), and packaged compressors	N	X	X	713 789	N	X	X	N
3339125100	Parts and attachments for air and gas compressors (except for refrigeration, ice making, and air-conditioning equipment), and packaged compressors	66	X	X	713 789	86	X	X	735 719
3339127	Industrial spraying equipment	N	X	X	821 533	N	X	X	704 960
33391271	Industrial spraying equipment	N	X	X	821 533	N	X	X	N
3339127131	Industrial power paint spraying outfits and other liquid power sprayers, except agricultural	33	X	X	646 768	44	X	X	650 183
3339127151	Industrial hand sprayers, except agricultural and flame	11	X	X	128 833	17	X	X	50 688
3339127199	Parts and attachments for industrial spraying equipment, sold separately	11	X	X	45 932	N	X	X	N
3339127Y	Industrial spraying equipment, nsk	N	X	X	—	N	X	X	N
3339127YWV	Industrial spraying equipment, nsk	N	X	X	—	N	X	X	N
333912W	Air and gas compressors, nsk, total	N	X	X	213 897	N	X	X	46 413
333912WY	Air and gas compressors, nsk, total	N	X	X	213 897	N	X	X	N
333912WYWW	Air and gas compressors, nsk, for nonadministrative-record establishments	N	X	X	100 038	N	X	X	28 321
333912WYWY	Air and gas compressors, nsk, for administrative-record establishments	N	X	X	113 859	N	X	X	18 092
333913	Measuring and dispensing pumps	N	X	X	1 161 809	N	X	X	780 169

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333913	Measuring and dispensing pumps—Con.								
3339130	Measuring and dispensing pumps	N	X	X	1 161 809	N	X	X	780 169
33391301	Single unit gasoline dispensing pumps, computing type (filling station type), except parts and attachments	N	X	X	95 491	N	X	X	N
3339130113	Single unit gasoline dispensing pumps, computing type (filling station type), with suction pumping unit, except parts and attachments	10	X	X	84 405	7	X	X	61 241
3339130114	Single unit gasoline dispensing pumps, computing type (filling station type), without suction pumping unit, except parts and attachments	5	X	X	11 086	5	X	X	16 365
33391302	Multiple unit gasoline dispensing pumps, computing type (filling station type), except parts and attachments	N	X	X	435 846	N	X	X	N
3339130223	Multiple unit gasoline dispensing pumps, computing type (filling station type), with suction pumping unit, except parts and attachments	5	X	X	D	5	X	X	31 399
3339130224	Multiple unit gasoline dispensing pumps, computing type (filling station type), without suction pumping unit, except parts and attachments	3	X	X	D	6	X	X	206 944
33391303	Other gasoline service station measuring and dispensing pumping equipment, including lubricating oil pumps, barrel pumps, and grease guns and parts, and parts for gasoline pumps	N	X	X	597 612	N	X	X	N
3339130355	Lubricating oil pumps, barrel pumps, grease guns, and other measuring and dispensing pumps for service station use, nec, complete units	21	X	X	161 825	N	X	X	N
3339130391	Parts and attachments for measuring and dispensing pumps	28	X	X	435 787	29	X	X	173 968
3339130Y	Measuring and dispensing pumps, nsk	N	X	X	32 860	N	X	X	N
3339130YWW	Measuring and dispensing pumps, nsk, for nonadministrative-record establishments	N	X	X	6 813	N	X	X	14 818
3339130YWY	Measuring and dispensing pumps, nsk, for administrative-record establishments	N	X	X	26 047	N	X	X	7 966
333921	Elevators and moving stairways	N	X	X	1 519 750	N	X	X	918 314
3339211	Elevators and moving stairways	N	X	X	1 139 976	N	X	X	696 795
33392111	Geared and gearless electric passenger elevators (except farm, portable, and residential lifts)	N	X	X	304 197	N	X	X	N
3339211101	Geared electric passenger elevators (except farm, portable, and residential lifts)	14	X	X	208 631	15	X	X	118 836
3339211106	Gearless electric passenger elevators (except farm, portable, and residential lifts)	6	X	X	95 566	5	X	X	42 349
33392112	Hydraulic passenger elevators (except farm and portable)	N	X	X	304 920	N	X	X	N
3339211211	Hydraulic passenger elevators (except farm and portable)	19	X	X	304 920	26	X	X	254 684
33392113	Other elevators and moving stairways, except parts and attachments	N	X	X	523 059	N	X	X	N
3339211316	Electric freight elevators (except farm and portable)	9	X	X	20 381	3	X	X	16 051
3339211321	Hydraulic freight elevators (except farm and portable)	11	X	X	36 185	16	X	X	41 535
3339211326	Automobile lifts (service station and garage type)	9	X	X	124 702	9	X	X	96 192
3339211331	Moving stairways, escalators, and moving walkways	13	X	X	245 218	8	X	X	61 077
3339211336	Other nonfarm elevators, including sidewalk elevators, dumb waiters, man lifts, etc. (except portable elevator-stackers)	31	X	X	96 573	24	X	X	63 827
3339211Y	Elevators and moving stairways	N	X	X	7 800	N	X	X	N
3339211YWW	Elevators and moving stairways, nsk	N	X	X	7 800	N	X	X	2 244

Table 1. **Products Statistics: 1997 and 1992—Con.**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS product code	Product	1997				1992			
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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333921	Elevators and moving stairways—Con.								
3339213	Parts and attachments for elevators and moving stairways (sold separately)	N	X	X	317 689	N	X	X	178 549
33392131	Parts for automobile lifts (service station), passenger or freight elevators or escalators	N	X	X	224 208	N	X	X	N
3339213101	Parts for automobile lifts (service station and garage type)	7	X	X	46 125	N	X	X	N
3339213106	Parts for passenger or freight elevators or escalators	42	X	X	178 083	N	X	X	N
3339213Y	Parts and attachments for elevators and moving stairways sold separately, nsk	N	X	X	93 481	N	X	X	N
3339213YWV	Parts and attachments for elevators and moving stairways sold separately, nsk	N	X	X	93 481	N	X	X	N
333921W	Elevators and moving stairways, nsk, total	N	X	X	62 085	N	X	X	42 970
333921WY	Elevators and moving stairways, nsk, total	N	X	X	62 085	N	X	X	N
333921WYWW	Elevators and moving stairways, nsk, for nonadministrative-record establishments	N	X	X	25 760	N	X	X	21 369
333921WYWY	Elevators and moving stairways, nsk, for administrative-record establishments	N	X	X	36 325	N	X	X	21 601
333922	Conveyors and conveying equipment	N	X	X	5 695 960	N	X	X	N
3339221	Unit handling conveyors and conveying systems, except hoists and farm elevators	N	X	X	2 983 679	N	X	X	1 808 391
33392211	Unit handling gravity conveyors and conveying systems (skate wheel and roller), except hoists and farm elevators	N	X	X	249 825	N	X	X	N
3339221101	Unit handling gravity conveyors and conveying systems (skate wheel and roller), except hoists and farm elevators	48	X	X	121 964	47	X	X	92 983
3339221106	Light- to medium-duty unit handling trolley (overhead) conveyors and conveying systems, except hoists and farm elevators	22	X	X	127 861	31	X	X	89 552
33392213	Heavy-duty unit handling trolley (overhead) conveyors and conveying systems, except hoists and farm elevators	N	X	X	523 598	N	X	X	N
3339221311	Heavy-duty unit handling trolley (overhead) conveyors and conveying systems, except hoists and farm elevators	19	X	X	523 598	30	X	X	242 835
33392214	Unit handling tow, belt, roller, pneumatic, portable, carousel, and other nonbelt conveyors and conveying systems	N	X	X	1 977 668	N	X	X	N
3339221416	Unit handling tow conveyors and conveying systems (under floor systems), except hoists and farm elevators	8	X	X	29 032	16	X	X	30 679
3339221421	Light- to medium-duty unit handling powered conveyors and conveying systems, belt	84	X	X	505 368	N	X	X	N
3339221426	Light- to medium-duty unit handling powered conveyors and conveying systems, roller	67	X	X	330 879	N	X	X	N
3339221431	Heavy-duty unit handling powered conveyors and conveying systems, belt	46	X	X	148 769	N	X	X	N
3339221436	Heavy-duty unit handling powered conveyors and conveying systems, roller	56	X	X	243 522	N	X	X	N
3339221441	Unit handling pneumatic tube conveyors and conveying systems, except hoists and farm elevators	10	X	X	141 639	16	X	X	73 283
3339221446	Unit handling portable conveyors and conveying systems, except hoists and farm elevators	11	X	X	19 401	5	X	X	3 201
3339221451	Unit handling carousel conveyors and conveying systems, except hoists and farm elevators	17	X	X	56 057	11	X	X	19 439
3339221456	All other unit handling conveyors and conveying systems, belt	42	X	X	245 036	N	X	X	N
3339221461	All other unit handling conveyors and conveying system, except belt	45	X	X	257 965	N	X	X	N
3339221Y	Unit handling conveyors and conveying systems, except hoists and farm elevators, nsk	N	X	X	232 588	N	X	X	N
3339221YWV	Unit handling conveyors and conveying systems, except hoists and farm elevators, nsk	N	X	X	232 588	N	X	X	230 145

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333922	Conveyors and conveying equipment—Con.								
3339223	Parts, attachments, and accessories for unit handling conveyors and conveying systems (sold separately)	N	X	X	246 370	N	X	X	143 025
33392231	Parts, attachments, and accessories for unit handling conveyors and conveying systems (sold separately)	N	X	X	246 370	N	X	X	N
3339223100	Parts, attachments, and accessories for unit handling conveyors and conveying systems (sold separately)	70	X	X	246 370	75	X	X	143 025
3339227	Bulk material handling conveyors and conveying systems, except hoists and farm elevators	N	X	X	1 503 160	N	X	X	N
33392271	Bulk material handling belt conveyors and conveying systems, except hoists and farm elevators	N	X	X	570 455	N	X	X	N
3339227101	Bulk material handling belt conveyors and conveying systems, except hoists and farm elevators	184	X	X	570 455	187	X	X	373 187
33392272	Other bulk handling conveyors and conveying systems	N	X	X	590 200	N	X	X	N
3339227206	Bulk material handling screw conveyors and conveying systems, except hoists and farm elevators	49	X	X	71 097	55	X	X	79 617
3339227211	Bulk material handling bucket elevators and elevator systems, except hoists and farm elevators	39	X	X	48 281	40	X	X	49 190
3339227221	Bulk material handling portable conveyors and conveying systems, except hoists and farm elevators	16	X	X	31 378	15	X	X	22 908
3339227226	Bulk material handling en masse conveyors and conveying systems, except hoists and farm elevators	11	X	X	19 566	7	X	X	13 766
3339227231	Bulk material handling vibrating conveyors and conveying systems, except hoists and farm elevators	23	X	X	61 453	31	X	X	48 815
3339227236	Bulk handling conveyors and conveying systems specially designed for underground use	3	X	X	D	N	X	X	N
3339227241	Other bulk handling conveyors and conveying systems	71	X	X	258 830	N	X	X	N
3339227251	Farm conveyors, stackers, and bale throwers	20	X	X	37 849	N	X	X	N
3339227261	Bulk material handling bucket wheel reclaimers	—	X	X	—	2	X	X	N
3339227276	Bulk material handling loading and storing traveling stackers	18	X	X	47 365	15	X	X	18 551
3339227281	Other bulk material handling loading and storing systems, such as trippers, centrifugal throwers, etc.....	16	X	X	D	11	X	X	6 808
33392273	Bulk material handling pneumatic conveyors and conveying systems, except hoists and farm elevators	N	X	X	105 587	N	X	X	N
3339227316	Bulk material handling pneumatic conveyors and conveying systems, except hoists and farm elevators	31	X	X	105 587	37	X	X	123 415
33392274	Bulk material handling unloading and reclaiming systems	N	X	X	130 743	N	X	X	N
3339227466	Bulk material handling unloading and reclaiming vibrating feeders	27	X	X	59 605	24	X	X	46 067
3339227471	All other bulk material handling unloading and reclaiming systems, such as bins, apron feeders, gates, etc.	49	X	X	71 138	35	X	X	N
3339227Y	Bulk material handling conveyors and conveying systems, except hoists and farm elevators, nsk	N	X	X	106 175	N	X	X	N
3339227YVV	Bulk material handling conveyors and conveying systems, except hoists and farm elevators, nsk.....	N	X	X	106 175	N	X	X	N
3339229	Parts, attachments, and accessories for bulk material handling conveyors and conveying systems (sold separately)	N	X	X	474 250	N	X	X	375 099
33392291	Belt conveyor idlers, pulleys for bulk material handling	N	X	X	99 194	N	X	X	N
3339229101	Belt conveyor idlers for bulk material handling conveyors and conveying systems (sold separately)	15	X	X	44 608	14	X	X	59 597
3339229106	Belt conveyor pulleys for bulk material handling conveyors and conveying systems (sold separately)	10	X	X	54 586	6	X	X	35 377
33392292	All other parts, attachments, and accessories for bulk material handling conveyors and conveying systems (sold separately)	N	X	X	291 732	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333922	Conveyors and conveying equipment—Con.								
3339229	Parts, attachments, and accessories for bulk material handling conveyors and conveying systems (sold separately)—Con.								
33392292	All other parts, attachments, and accessories for bulk material handling conveyors and conveying systems (sold separately)—Con.								
3339229211	All other parts, attachments, and accessories for bulk material handling conveyors and conveying systems (sold separately)	110	X	X	291 732	105	X	X	258 230
3339229Y	Parts, attachments, and accessories for bulk material handling conveyors and conveying systems (sold separately), nsk	N	X	X	83 324	N	X	X	N
3339229YVV	Parts, attachments, and accessories for bulk material handling conveyors and conveying systems (sold separately), nsk	N	X	X	83 324	N	X	X	21 895
333922W	Conveyors and conveying equipment, nsk, total	N	X	X	488 501	N	X	X	N
333922WY	Conveyors and conveying equipment, nsk, total	N	X	X	488 501	N	X	X	N
333922WYWW	Conveyors and conveying equipment, nsk, for nonadministrative-record establishments	N	X	X	371 966	N	X	X	N
333922WYWY	Conveyors and conveying equipment, nsk, for administrative-record establishments	N	X	X	116 535	N	X	X	N
333923	Hoists, cranes, and monorails	N	X	X	3 210 279	N	X	X	N
3339231	Hoists	N	X	X	552 502	N	X	X	381 252
33392311	Hoists, all types	N	X	X	374 307	N	X	X	N
3339231101	Chain hand hoists	5	X	D	D	6	X	X	15 120
3339231106	Ratchet lever hand hoists	4	X	S	16 162	10	X	X	19 816
3339231111	Wire rope puller hand hoists	5	X	X	D	5	X	X	10 230
3339231116	Electric (roller and link) chain hoists	22	X	X	86 726	10	X	X	60 242
3339231121	Other hoists, powered by electric motor	18	X	X	60 991	2	X	X	N
3339231131	Electric wire rope hoists (excluding hand, mine shaft, and slope wire rope hoists)	16	X	X	76 654	29	X	X	68 332
3339231141	Air or other nonelectric chain hoists, except hand	8	X	X	27 012	9	X	X	21 069
3339231146	Air or other nonelectric wire rope hoists (excluding hand, mine shaft, and slope wire rope hoists)	8	X	X	12 974	5	X	X	17 042
3339231151	Other hoists, not powered by electric motor	18	X	X	35 716	29	X	X	N
33392312	Parts and attachments for hoists (sold separately)	N	X	X	124 386	N	X	X	N
3339231261	Parts and attachments for hoists (sold separately)	31	X	X	124 386	37	X	X	80 303
3339231Y	Hoists, nsk	N	X	X	53 809	N	X	X	N
3339231YVV	Hoists, nsk	N	X	X	53 809	N	X	X	42 930
3339233	Overhead traveling cranes and monorail systems	N	X	X	559 834	N	X	X	380 710
33392331	Overhead traveling cranes, including parts, and monrail systems	N	X	X	318 780	N	X	X	N
3339233101	Single top running bridge type overhead traveling cranes (except construction power cranes)	27	X	S	52 865	28	X	S	24 888
3339233111	Under running bridge type overhead traveling cranes (except construction power cranes)	26	X	S	74 969	27	X	S	34 217
3339233116	Gantry type overhead traveling cranes (except construction power cranes)	17	X	D	D	15	X	S	20 072
3339233121	Stacker-storage type overhead traveling cranes (except construction power cranes)	6	X	S	6 668	N	X	X	N
3339233131	Other overhead traveling cranes on fixed support	6	X	2	60 688	N	X	X	N
3339233136	Other overhead traveling cranes	12	X	1.1	53 070	N	X	X	N
3339233141	Buckets, grabs, and grips	3	X	D	D	N	X	X	N
3339233156	Monorail systems (manual and powered)	13	X	S	33 364	17	X	S	35 637
33392332	Double top running bridge type overhead traveling cranes (except construction power cranes)	N	X	X	103 397	N	X	X	N
3339233206	Double top running bridge type overhead traveling cranes (except construction power cranes)	31	X	S	103 397	32	X	S	87 589

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333923	Hoists, cranes, and monorails—Con.								
3339233	Overhead traveling cranes and monorail systems—Con.								
33392333	Parts and attachments for overhead traveling cranes and monorail	N	X	X	103 742	N	X	X	N
3339233346	Other parts and attachments for overhead traveling cranes	29	X	X	81 786	N	X	X	N
3339233361	Parts and attachments for monorail systems (sold separately)	6	X	X	21 956	8	X	X	6 855
3339233Y	Overhead traveling cranes and monorail systems, nsk	N	X	X	33 915	N	X	X	N
3339233YVV	Overhead traveling cranes and monorail systems, nsk	N	X	X	33 915	N	X	X	95 400
3339237	Winches, aerial work platforms, and automotive wrecker hoists @	N	X	X	1 949 579	N	X	X	N
33392371	Personnel aerial work platforms (excluding parts)	N	X	X	1 608 482	N	X	X	N
3339237110	Personnel aerial work platforms (excluding parts)	36	X	X	1 608 482	27	X	X	582 026
33392372	Winches for mounting on wheel or crawler tractors or other prime movers, complete units	N	X	X	88 113	N	X	X	N
3339237230	Winches for mounting on wheel or crawler tractors or other prime movers, complete units	9	X	X	88 113	N	X	X	N
33392373	Winches (except for mounting on tractors or other prime movers) and automobile hoists, complete units	N	X	X	140 556	N	X	X	N
3339237353	Electric winches, including marine use (excluding winches for tractor mounting and parts)	19	X	X	80 506	25	X	X	74 059
3339237355	Other winches, including marine use (excluding winches for tractor mounting and parts)	16	X	X	D	22	X	X	80 338
3339237361	Automobile hoists (used on tow trucks) (excluding parts)	1	X	X	D	N	X	X	N
33392374	Parts for winches, aerial work platforms, and automobile hoists (sold separately)	N	X	X	112 428	N	X	X	N
3339237493	Parts for winches for mounting on tractors and other prime movers (sold separately)	11	X	X	40 306	N	X	X	N
3339237495	Parts for winches (except for mounting on prime movers), aerial work platforms, automobile hoists (sold separately)	20	X	X	72 122	N	X	X	N
3339237Y	Winches, aerial work platforms, and automotive wrecker hoists, nsk	N	X	X	—	N	X	X	N
3339237YVV	Winches, aerial work platforms, and automotive wrecker hoists, nsk	N	X	X	—	N	X	X	N
333923W	Hoists, cranes, and monorails, nsk, total	N	X	X	148 364	N	X	X	N
333923WY	Hoists, cranes, and monorails, nsk, total	N	X	X	148 364	N	X	X	N
333923WYWW	Hoists, cranes, and monorails, nsk, for nonadministrative-record establishments	N	X	X	79 281	N	X	X	N
333923WYWY	Hoists, cranes, and monorails, nsk, for administrative-record establishments	N	X	X	69 083	N	X	X	N
333924	Industrial trucks and tractors	N	X	X	5 284 833	N	X	X	N
3339241	Industrial trucks, tractors, mobile straddle carriers and cranes, and automatic stacking machines	N	X	X	3 977 839	N	X	X	N
33392411	Work trucks, operating riding, self-propelled, electric motor powered	N	X	X	1 042 218	N	X	X	N
3339241101	Fork lift work trucks, operating riding, self-propelled, electric motor powered	25	X	X	988 797	19	X	X	485 732
3339241104	Other work trucks fitted with lifting or handling equipment, operating riding, self-propelled, electric motor powered	12	X	X	53 421	6	X	X	5 149
33392412	Fork lift riding or nonriding work trucks self-propelled, electric, gasoline or other nonelectric motor powered	N	X	X	581 053	N	X	X	N
3339241208	Nonriding fork lift and other work trucks fitted with lifting or handling equipment, self-propelled, electric motor powered	20	X	X	185 575	20	X	X	185 944
3339241212	Fork lift work trucks, operating riding, self-propelled, gasoline motor powered	14	X	20.8	383 371	9	X	S	89 189

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333924	Industrial trucks and tractors—Con.								
3339241	Industrial trucks, tractors, mobile straddle carriers and cranes, and automatic stacking machines—Con.								
33392412	Fork lift riding or nonriding work trucks self-propelled, electric, gasoline or other nonelectric motor powered—Con.								
3339241216	Other work trucks fitted with lifting or handling equipment, operator riding, self-propelled, internal combustion engine or other nonelectric powered thousands..	5	X	S	12 107	N	X	X	N
33392413	Fork lift work trucks, operating riding, self-propelled, diesel motor powered	N	X	X	D	N	X	X	N
3339241321	Fork lift work trucks, operating riding, self-propelled, diesel motor powered thousands..	18	X	D	D	13	X	S	109 547
33392414	Nonriding fork lift and other work trucks fitted with lifting or handling equipment, self-propelled, internal combustion engine or other nonelectric powered	N	X	X	D	N	X	X	N
3339241424	Nonriding fork lift and other work trucks fitted with lifting or handling equipment, self-propelled, internal combustion engine or other nonelectric powered thousands..	1	X	D	D	N	X	X	N
33392415	Work trucks, fork lift, and tractors fitted or not fitted with lifting and handling equipment, self-propelled, electric, gasoline or other power system	N	X	X	1 080 656	N	X	X	N
3339241528	Fork lift work trucks, operating riding, self-propelled, LPG (liquid petroleum gas) motor powered thousands..	11	X	41.1	745 361	6	X	22.4	299 581
3339241532	Fork lift work trucks, operating riding, self-propelled, other internal combustion engine or other nonelectric powered, including CNG (compressed natural gas) thousands..	1	X	D	D	N	X	—	—
3339241536	Nonself-propelled fork lift and other work trucks fitted with lifting or handling equipment (hand lift, etc.) thousands..	7	X	S	27 806	15	X	S	32 695
3339241541	Work trucks and tractors not fitted with lifting or handling equipment, operator riding, self-propelled, electric motor powered thousands..	3	X	D	D	N	X	X	N
3339241544	Other work trucks and tractors not fitted with lifting or handling equipment, self-propelled, electric motor powered thousands..	4	X	S	9 721	N	X	X	N
3339241548	Work trucks and tractors not fitted with lifting or handling equipment, operator riding, self-propelled, internal combustion engine or other nonelectric powered thousands..	10	X	D	D	10	X	S	34 659
3339241552	Other work trucks and tractors not fitted with lifting or handling equipment, self-propelled, internal combustion engine or other nonelectric powered thousands..	3	X	D	D	N	X	X	N
3339241556	Work trucks and tractors not fitted with lifting or handling equipment, not self-propelled	5	X	X	D	24	X	X	56 494
33392416	Bulk powered material moving equipment, dock boards and metal pallets and skids	N	X	X	988 135	N	X	X	N
3339241661	Mobile straddle carriers and cranes thousands..	12	X	S	85 856	6	X	S	5 005
3339241664	Portable elevators-stackers (except farm type) thousands..	2	X	D	D	N	X	X	N
3339241668	Palletizers and depalletizers (pallet loaders and unloaders)	30	X	X	133 526	14	X	X	57 059
3339241672	Scissors type hydraulic lift tables (electrohydraulic lift platforms) thousands..	23	X	S	180 695	17	X	S	78 028
3339241676	Other hydraulic lift tables (electrohydraulic lift platforms) thousands..	22	X	S	67 529	16	X	S	27 138
3339241681	Dock boards (industrial loading ramps, hinged loading ramps) thousands..	24	X	S	135 601	15	X	S	31 289
3339241684	Automatic stacking machines thousands..	10	X	D	D	17	X	S	40 946
3339241688	Trailers and semitrailers for use with works tractors thousands..	17	X	26.9	77 269	N	X	X	N
3339241692	Other hand carts and vehicles thousands..	50	X	563.1	185 656	N	X	X	N
3339241696	Other related articles thousands..	34	X	4.3	84 741	N	X	X	N
3339241Y	Industrial trucks, tractors, mobile straddle carriers and cranes, and automatic stacking machines, nsk	N	X	X	61 046	N	X	X	N
3339241YWV	Industrial trucks, tractors, mobile straddle carriers and cranes, and automatic stacking machines, nsk	N	X	X	61 046	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333924	Industrial trucks and tractors—Con.								
3339243	Parts and attachments for industrial trucks and tractors (sold separately)	N	X	X	989 542	N	X	X	596 675
33392431	Parts and attachments for industrial works trucks fitted with lifting or handling equipment and all other vehicles	N	X	X	919 484	N	X	X	N
3339243101	Parts and attachments for industrial works trucks fitted with lifting or handling equipment	65	X	X	680 981	N	X	X	N
3339243106	Parts and attachments for other vehicles	34	X	X	125 840	N	X	X	N
3339243111	Parts and attachments for machinery other than vehicles	33	X	X	112 663	N	X	X	N
3339243Y	Parts and attachments for industrial trucks and tractors (sold separately), nsk	N	X	X	70 058	N	X	X	N
3339243YVV	Parts and attachments for industrial trucks and tractors (sold separately), nsk	N	X	X	70 058	N	X	X	22 092
333924W	Industrial trucks and tractors, nsk, total	N	X	X	317 452	N	X	X	N
333924WY	Industrial trucks and tractors, nsk, total	N	X	X	317 452	N	X	X	N
333924WYWW	Industrial trucks and tractors, nsk, for nonadministrative-record establishments	N	X	X	246 977	N	X	X	N
333924WYWY	Industrial trucks and tractors, nsk, for administrative-record establishments	N	X	X	70 475	N	X	X	N
333991	Power-driven hand tools	N	X	X	3 403 639	N	X	X	2 414 495
3339911	Power-driven handtools, pneumatic, hydraulic, and power-actuated	N	X	X	953 256	N	X	X	634 397
33399111	Power-driven handtools, pneumatic, hydraulic and power-actuated	N	X	X	948 466	N	X	X	N
3339911101	Pneumatic percussion handtools (such as runners, riveters, chippers, scalers)	11	X	X	30 648	17	X	X	39 132
3339911106	Pneumatic drills, screwdrivers, and nut-runners	11	X	X	125 756	16	X	X	89 235
3339911111	Pneumatic hand impact wrenches	7	X	X	49 945	7	X	X	72 653
3339911116	Pneumatic rotary hand grinders, polishers, and sanders	8	X	X	59 343	12	X	X	60 051
3339911121	Other pneumatic hand grinders, polishers, and sanders	1	X	X	D	5	X	X	7 700
3339911126	Pneumatic hand staplers	6	X	X	D	4	X	X	46 291
3339911131	Pneumatic hand nailers	5	X	X	151 836	4	X	X	52 519
3339911136	Other pneumatic-powered handtools	18	X	X	179 171	18	X	X	44 521
3339911141	Parts, attachments, and accessories for pneumatic-powered handtools (sold separately)	20	X	X	161 927	30	X	X	144 442
3339911146	Power-actuated handtools and parts	2	X	X	D	N	X	X	N
3339911151	Hydraulic power-driven handtools	13	X	X	57 566	N	X	X	N
3339911156	Parts, attachments, and accessories for hydraulic handtools	7	X	X	22 045	N	X	X	N
3339911Y	Power-driven handtools, pneumatic, hydraulic, and powder-actuated, nsk	N	X	X	4 790	N	X	X	N
3339911YVV	Power-driven handtools, pneumatic, hydraulic, and powder-actuated, nsk	N	X	X	4 790	N	X	X	1 843
3339913	Power-driven handtools, engine (internal combustion) driven	N	X	X	230 306	N	X	X	295 165
33399131	Power-driven handtools, engine (internal combustion) driven	N	X	X	230 306	N	X	X	N
3339913101	Internal combustion engine driven chain saws	3	X	X	207 389	4	X	X	265 823
3339913106	Other internal combustion engine-driven handtools, including cut-off saws and drills	3	X	X	D	N	X	X	N
3339913111	Parts, attachments, and accessories for internal combustion engine-driven chain saws	2	X	X	D	N	X	X	N
3339913116	Parts, attachments, and accessories for internal combustion engine-driven tools, nec	—	X	X	—	N	X	X	N
3339913Y	Power-driven handtools, engine (internal combustion) driven, nsk	N	X	X	—	N	X	X	N
3339913YVV	Power-driven handtools, engine (internal combustion) driven, nsk	N	X	X	—	N	X	X	—

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333991	Power-driven hand tools— Con.								
3339917	Power-driven handtools, battery-powered (cordless)	N	X	X	493 947	N	X	X	291 376
33399171	Power-driven handtools, battery-powered (cordless)	N	X	X	489 424	N	X	X	N
3339917101	Battery-powered (cordless) screwdrivers (without 3-jaw chuck)	2	X	X	D	N	X	X	N
3339917106	Battery-powered (cordless) driver-drills	5	X	X	D	3	X	X	N
3339917111	Battery-powered (cordless) drills	3	X	X	D	N	X	X	N
3339917116	Battery-powered, cordless handsaws	3	X	X	D	N	X	X	N
3339917121	Other battery-powered (cordless) handtools	4	X	X	D	N	X	X	N
3339917126	Parts, attachments, and accessories for battery-powered (cordless) handtools (sold separately)	6	X	X	14 119	5	X	X	20 397
3339917Y	Power-driven handtools, battery-powered (cordless), nsk	N	X	X	4 523	N	X	X	N
3339917YVV	Power-driven handtools, battery-powered (cordless), nsk	N	X	X	4 523	N	X	X	—
3339919	Power-driven handtools, electric (excluding battery-powered)	N	X	X	1 597 763	N	X	X	1 091 365
33399191	Power-driven handtools, electric (excluding battery-powered)	N	X	X	1 561 122	N	X	X	N
3339919101	Drills (excluding battery-powered)	10	X	X	304 152	N	X	X	N
3339919104	Electric hand jig and saber saws, armature mounted on ball bearings (except battery-powered)	4	X	X	43 979	N	X	X	N
3339919108	Electric hand circular saws, armature mounted primarily on sleeve bearings (except battery-powered)	2	X	X	D	4	X	X	61 799
3339919112	Electric hand jig and saber saws, armature mounted on other than ball bearings (except battery-powered)	2	X	X	D	N	X	X	N
3339919116	Electric hand reciprocating saws (except battery-powered)	9	X	X	128 801	7	X	X	76 874
3339919121	Electric hand circular saws, armature mounted primarily on other than sleeve bearings, 7 in. (177.80 mm) blade or less (except battery-powered)	4	X	X	D	N	X	X	N
3339919124	Electric hand circular saws, armature mounted primarily on other than sleeve bearings, more than 7 in. (177.80 mm) to less than 8 in. (203.20 mm) blade (except battery-powered)	4	X	X	98 166	N	X	X	N
3339919128	Electric hand circular saws, armature mounted primarily on other than sleeve bearings, 8 in. (203.20 mm) blade or more (except battery-powered)	4	X	X	D	4	X	X	4 175
3339919132	Electric hammers, percussion and rotary, without drill chuck (except battery-powered)	3	X	X	D	4	X	X	36 392
3339919136	Electric screwdrivers and nut-runners (except battery-powered)	8	X	X	58 938	6	X	X	32 334
3339919141	Electric hammers-drills, with a drill chuck (except battery-powered)	5	X	X	61 577	N	X	X	N
3339919144	Electric hand right angle polishers, circular sanders, and grinders, less than 7 in. wheel drive (except battery-powered)	5	X	X	56 386	5	X	X	41 424
3339919148	Electric hand impact wrenches (except battery-powered)	4	X	X	9 868	7	X	X	15 415
3339919152	Electric hand right angle polishers, circular sanders, and grinders, 7 in. wheel drive or more (except battery-powered)	5	X	X	20 907	7	X	X	20 831
3339919156	Electric hand shears and nibblers (except battery-powered)	6	X	X	9 861	7	X	X	7 097
3339919161	All other electric hand polishers, circular sanders, and grinders (including die grinders, but excluding bench) (except battery-powered)	5	X	X	D	5	X	X	19 726
3339919164	Electric hand planers (except battery-powered)	3	X	X	10 707	N	X	X	N
3339919168	Electric hand belt sanders (except battery-powered)	5	X	X	41 652	7	X	X	36 226
3339919172	Parts, attachments, and accessories for electric-powered handtools (except battery-powered) (sold separately)	22	X	X	122 277	20	X	X	89 924
3339919176	Electric hand chain saws (except battery-powered)	4	X	X	25 262	4	X	X	23 599
3339919181	Electric hand oscillating, reciprocating, vibrating, and random orbit sanders (except battery-powered)	5	X	X	73 749	5	X	X	57 615

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333991	Power-driven hand tools— Con.								
3339919	Power-driven handtools, electric (excluding battery-powered)—Con.								
33399191	Power-driven handtools, electric (excluding battery-powered)—Con.								
3339919184	Other electric-powered handtools (except battery powered)	22	X	X	146 897	18	X	X	99 426
3339919188	Electric hand routers, less than one-half inch collet size (maximum collet capacity) (except battery powered)	4	X	X	63 278	6	X	X	36 259
3339919192	Electric hand routers, one-half inch collet size (maximum collet capacity) or more (except battery powered)	3	X	X	11 172	5	X	X	22 246
3339919Y	Power-driven handtools, electric (excluding battery powered), nsk	N	X	X	36 641	N	X	X	N
3339919YVV	Power-driven handtools, electric (excluding battery powered), nsk	N	X	X	36 641	N	X	X	1 499
333991W	Power-driven handtools, nsk, total	N	X	X	128 367	N	X	X	102 192
333991WY	Power-driven handtools, nsk, total	N	X	X	128 367	N	X	X	N
333991WYVW	Power-driven handtools, nsk, for nonadministrative-record establishments	N	X	X	48 348	N	X	X	64 321
333991WYWY	Power-driven handtools, nsk, for administrative-record establishments	N	X	X	80 019	N	X	X	37 871
333992	Welding and soldering equipment	N	X	X	4 127 329	N	X	X	N
3339921	Arc welding machines, components, and accessories (except electrodes), excluding stud welding equipment	N	X	X	1 418 821	N	X	X	N
33399211	Arc welding apparatus and related equipment	N	X	X	1 273 655	N	X	X	N
3339921101	Direct current arc welding generators, except stud welding equipment thousands..	3	X	S	153 674	3	X	P46.8	130 841
3339921106	Rectifier-type direct current arc welders except stud welders, fully or partly automatic thousands..	7	X	88.0	265 603	N	X	X	N
3339921111	Rectifier-type direct current arc welders except stud welders, not fully or partly automatic thousands..	4	X	D	D	N	X	X	N
3339921126	Automatic and semiautomatic wire drive apparatus and related accessories for arc welding machines (except electrodes and stud welding equipment)	6	X	X	118 410	11	X	X	59 464
3339921131	Special-purpose automatic arc welding apparatus (except electrodes and stud welding equipment)	10	X	X	45 342	10	X	X	17 247
3339921136	Automatic and semiautomatic welding torches, guns and cables, and related accessories for arc welding machines (except electrodes and stud welding equipment)	11	X	X	124 030	15	X	X	87 154
3339921141	Circuit welding accessories (including electrode holders, ground clamps, cable connectors, cables sold separately, etc.) (except electrodes and stud welding equipment)	5	X	X	D	8	X	X	58 314
3339921146	Positioning and manipulating arc welding equipment, including turn rolls, head and tail stock, weld head manipulators, seamers, etc. (except electrodes and stud welding equipment)	10	X	X	111 576	11	X	X	21 894
3339921151	Alternating current transformer arc welding machines, except stud welding equipment thousands..	8	X	S	83 307	10	X	S	44 025
3339921156	Complete direct current arc welding units, except stud welding equipment thousands..	6	X	D	D	7	X	S	25 742
3339921161	All other components and accessories for arc welding machinery, excluding welding rods, electrodes, and stud welding equipment	17	X	X	109 876	20	X	X	67 971
3339921Y	Arc welding machines, components, and accessories (except electrodes), excluding stud welding equipment, nsk	N	X	X	145 166	N	X	X	N
3339921YVV	Arc welding machines, components, and accessories (except electrodes), excluding stud welding equipment, nsk	N	X	X	145 166	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333992	Welding and soldering equipment—Con.								
3339923	Arc welding electrodes, metal	N	X	X	1 204 369	N	X	X	631 732
33399231	Electrodes for welding.....	N	X	X	1 188 515	N	X	X	N
3339923101	Mild steel arc welding stick electrodes (including solid, cored, covered, and bare electrodes), other than hard facing	6	X	D	D	7	X	S	144 480
3339923106	Low alloy steel arc welding stick electrodes (including solid, cored, covered, and bare electrodes), other than hard facing	5	X	S	90 538	N	X	X	N
3339923111	Stainless steel (chromium, 4 percent or more) low alloy steel arc welding stick electrodes (including solid, cored, covered, and bare electrodes), other than hard facing	5	X	10.3	48 474	N	X	X	N
3339923116	Nonferrous metal arc welding stick electrodes (including solid, cored, covered, and bare electrodes), other than hard facing	6	X	S	29 268	7	X	S	25 865
3339923121	Hard facing metal arc welding stick electrodes (including solid, cored, covered, and bare electrodes).....	7	X	14.9	29 405	7	X	S	19 324
3339923126	Mild steel coiled and spooled continuous solid wire electrodes for automatic arc and inert gas welding, other than hard facing	4	X	S	101 123	N	X	X	N
3339923131	Low alloy steel coiled and spooled continuous solid wire electrodes for automatic arc and inert gas welding, other than hard facing	2	X	D	D	N	X	X	N
3339923136	Stainless steel (chromium, 4 percent or more) coiled and spooled continuous solid wire electrodes for automatic arc and inert gas welding, other than hard facing	5	X	S	68 438	7	X	4.0	13 088
3339923141	Nonferrous metal coiled and spooled continuous solid wire electrodes for automatic arc and inert gas welding, other than hard facing	4	X	8.2	31 164	6	X	4.7	25 578
3339923146	Hard facing coiled and spooled continuous metal wire electrodes for automatic arc and inert gas welding	3	X	19.6	37 478	4	X	S	29 034
3339923151	Coiled and spooled continuous cored metal wire electrodes for automatic arc and inert gas welding, other than hard facing	7	X	D	D	7	X	148.4	155 638
3339923Y	Arc welding electrodes, metal, nsk	N	X	X	15 854	N	X	X	N
3339923YVV	Arc welding electrodes, metal, nsk	N	X	X	15 854	N	X	X	8 533
3339927	Resistance welders, components, accessories, and electrodes	N	X	X	428 290	N	X	X	280 572
33399271	Resistance welders	N	X	X	399 467	N	X	X	N
3339927101	Spot and projection resistance welders, single electrode	19	X	S	85 237	12	X	S	23 911
3339927106	Spot and projection resistance welders, multielectrode	20	X	S	165 050	18	X	S	50 069
3339927111	Seam resistance welders	6	X	S	12 357	10	X	S	18 235
3339927116	Other resistance welders, including flash, upset, and butt welders	13	X	S	30 329	14	X	S	24 372
3339927121	Resistance welder transformers (sold separately)	9	X	S	13 248	10	X	S	30 316
3339927126	Resistance welder electrodes	10	X	S	18 081	8	X	S	21 715
3339927131	Resistance welder components and accessories, including electrode holders, etc.	19	X	X	75 165	20	X	X	61 262
3339927Y	Resistance welders, components, accessories, and electrodes, nsk	N	X	X	28 823	N	X	X	N
3339927YVV	Resistance welders, components, accessories, and electrodes, nsk	N	X	X	28 823	N	X	X	50 692
3339929	Gas welding and cutting equipment, parts, attachments, and accessories	N	X	X	330 193	N	X	X	252 799
33399291	Spare parts, accessories, attachments, adaptors, etc., for gas welding and cutting equipment (sold separately)	N	X	X	315 531	N	X	X	N
3339929101	Gas welding and cutting torches (including gas air torches)	13	X	S	41 479	15	X	S	37 046
3339929106	Gas cutting machines and carriages, stationary and portable	7	X	S	43 384	6	X	S	25 431
3339929111	Other gas welding and cutting equipment, excluding pressure containers	11	X	X	71 155	7	X	X	49 182
3339929116	Tips for gas welding and cutting equipment (sold separately)	12	X	X	48 943	11	X	X	31 089
3339929121	Pressure regulators for gas welding and cutting equipment (sold separately)	9	X	S	48 328	10	X	S	46 115
3339929126	All other spare parts, accessories, attachments, adaptors, etc., for gas welding and cutting equipment (sold separately)	15	X	X	62 242	13	X	X	36 692

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333992	Welding and soldering equipment—Con.								
3339929	Gas welding and cutting equipment, parts, attachments, and accessories—Con.								
3339929Y	Gas welding and cutting equipment, parts, attachments, and accessories, nsk	N	X	X	14 662	N	X	X	N
3339929YVV	Gas welding and cutting equipment, parts, attachments, and accessories, nsk	N	X	X	14 662	N	X	X	27 244
333992A	Other welding equipment, components, and accessories (excluding arc, resistance, and gas)	N	X	X	512 679	N	X	X	N
333992A1	Components and accessories for welding equipment	N	X	X	466 876	N	X	X	N
333992A101	Stud welding equipment (except arc, resistance, and gas)	6	X	S	54 053	N	X	X	N
333992A111	Other welding equipment, nec (including friction)	3	X	—	23 769	8	X	X	32 882
333992A116	Industrial welding laser systems and equipment	10	X	X	15 899	N	X	X	N
333992A121	Plasma welding and cutting equipment, fully or partly automatic	12	X	S	157 585	N	X	X	N
333992A126	Plasma welding and cutting equipment, not fully or partly automatic	4	X	837.0	81 869	N	X	X	N
333992A131	Other welding equipment, nec (including friction)	9	X	D	D	N	X	X	N
333992A141	Soldering equipment (except hand and ultrasonic)	4	X	D	D	5	X	S	23 427
333992A146	Components and accessories for all other welding equipment, excluding arc, resistance, and gas welding equipment	20	X	X	65 941	12	X	X	37 687
333992AY	Other welding equipment, components, and accessories (excluding arc, resistance, and gas), nsk	N	X	X	45 803	N	X	X	N
333992AYVV	Other welding equipment, components, and accessories (excluding arc, resistance, and gas), nsk	N	X	X	45 803	N	X	X	N
333992W	Welding and soldering equipment manufacturing, nsk, total	N	X	X	232 977	N	X	X	N
333992WY	Welding and soldering equipment manufacturing, nsk, total	N	X	X	232 977	N	X	X	N
333992WYWW	Welding and soldering equipment manufacturing, nsk, nonadministrative-record establishments	N	X	X	169 519	N	X	X	N
333992WYWY	Welding and soldering equipment manufacturing, nsk, administrative-record establishments	N	X	X	63 458	N	X	X	N
333993	Packaging machinery	N	X	X	4 339 309	N	X	X	2 861 094
3339931	Packing, packaging, and bottling machinery, except parts	N	X	X	3 515 923	N	X	X	2 232 388
33399311	Cartoning, multipacking, and leaflet-coupon placing machinery, except parts	N	X	X	330 918	N	X	X	N
3339931103	Cartoning, multipacking, and leaflet-coupon placing machinery, except parts	40	X	X	330 918	41	X	X	272 085
33399312	Thermoforming, blister, and skin machinery, including carded display machinery, except parts	N	X	X	D	N	X	X	N
3339931207	Thermoforming, blister, and skin machinery, including carded display machinery, except parts	3	X	X	D	11	X	X	30 577
33399313	Bagging machines (pre-form opening, filling, and closing; modified atmosphere laminating; and form-fill-seal machines), except parts	N	X	X	325 427	N	X	X	N
3339931311	Bag (pre-form) opening, filling, and closing machinery and systems, except parts	29	X	X	108 876	25	X	X	70 748
3339931315	Vacuum, gas, and other modified atmosphere laminating and bagging machines, except parts	8	X	X	17 335	6	X	X	9 239
3339931319	Horizontal bag or pouch form, fill, and seal machinery (performs all three functions)	24	X	X	106 400	21	X	X	77 000
3339931321	Vertical bag or pouch form, fill, and seal machinery (performs all three functions)	22	X	X	92 816	12	X	X	79 743

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333993	Packaging machinery—Con.								
3339931	Packing, packaging, and bottling machinery, except parts—Con.								
33399314	Machinery for bottling, canning, cleaning, drying bottles or containers, and adhesive devices for packing, packaging, and bottling; except parts	N	X	X	556 864	N	X	X	N
3339931426	Adhesive devices for packing, packaging, and bottling machinery (hot melt and cold glue), except parts	9	X	X	D	7	X	X	N
3339931433	Machinery for cleaning or drying bottles or other containers, except parts	10	X	X	17 170	11	X	X	22 512
3339931437	Bottling and canning machinery (including fillers, all types of closers, and accessory equipment), except parts	33	X	X	D	21	X	X	88 233
33399315	Liquids and dry and viscous products filling machinery, including by count machinery, except bags and parts	N	X	X	313 962	N	X	X	N
3339931544	Dry products filling machinery (free and nonfree flowing), including by count machinery, except bags and parts	27	X	X	117 645	22	X	X	57 644
3339931545	Liquids and viscous products filling machinery (very heavy liquids, slurries, and pumpable semisolids), except parts	29	X	X	196 317	36	X	X	107 156
33399316	Glass or plastics container or can capping, sealing, and lidding machinery (excluding all filling, bottling, and canning machinery, and parts)	N	X	X	D	N	X	X	N
3339931651	Glass or plastics container or can capping, sealing, and lidding machinery (excluding all filling, bottling, and canning machinery, and parts)	16	X	X	D	19	X	X	79 913
33399317	Labeling machinery (all types of applications and methods), except parts	N	X	X	242 816	N	X	X	N
3339931755	Labeling machinery (all types of applications and methods), except parts	43	X	X	242 816	42	X	X	271 540
33399318	Coding, dating, imprinting, jet printing, marking, and stamping machinery, except parts	N	X	X	205 950	N	X	X	N
3339931859	Coding, dating, imprinting, jet printing, marking, and stamping machinery, except parts	19	X	X	205 950	15	X	X	56 488
33399319	Corrugated and solid fibre case and tray forming, loading, and sealing machinery, except parts	N	X	X	219 311	N	X	X	N
3339931963	Corrugated and solid fibre case and tray forming, loading, and sealing machinery, except parts	29	X	X	219 311	41	X	X	158 515
3339931A	Accumulating, collating, feeding, and unscrambling machinery; and testing, inspecting, detecting, checkweighing, and other quality control devices; except parts	N	X	X	182 820	N	X	X	N
3339931A67	Accumulating, collating, feeding, and unscrambling machinery, except parts	26	X	X	61 348	23	X	X	27 456
3339931A71	Testing, inspecting, detecting, checkweighing, and other quality control devices, except parts	13	X	X	121 472	19	X	X	95 902
3339931B	Paper, film & foil wrapping machines; shrink & stretch overwrapping, banding, & bundling machinery; & palletizing, depalletizing, and pallet unitizing machinery for packaging applications; excl. parts	N	X	X	328 503	N	X	X	N
3339931B75	Paper, film, and foil wrapping machines (all types, except shrink and stretch film equipment, and parts)	14	X	X	104 635	12	X	X	30 376
3339931B79	Shrink and stretch film overwrapping, banding, and bundling machinery (excluding pallet unitizing and parts)	31	X	X	195 119	34	X	X	135 081
3339931B83	Palletizing, depalletizing, and pallet unitizing machinery with stretch film, adhesive, or strapping, except parts	8	X	X	28 749	12	X	X	45 076

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333993	Packaging machinery—Con.								
3339931	Packing, packaging, and bottling machinery, except parts—Con.								
3339931C	Other packing, packaging, and bottling machinery or systems and combination of equipment nec, except parts	N	X	X	368 200	N	X	X	N
3339931C99	Other packing, packaging, and bottling machinery or systems and combination of equipment, nec, except parts	72	X	X	368 200	72	X	X	N
3339931Y	Packing, packaging, and bottling machinery, except parts, nsk	N	X	X	370 218	N	X	X	N
3339931YWV	Packing, packaging, and bottling machinery, except parts, nsk	N	X	X	370 218	N	X	X	122 435
3339935	Parts for packing, packaging, and bottling machinery	N	X	X	566 412	N	X	X	427 697
33399351	Parts for packing, packaging, and bottling machinery	N	X	X	566 412	N	X	X	N
3339935100	Parts for packing, packaging, and bottling machinery	167	X	X	566 412	159	X	X	427 697
333993W	Packaging machinery, nsk, total	N	X	X	256 974	N	X	X	201 009
333993WY	Packaging machinery, nsk, total	N	X	X	256 974	N	X	X	N
333993WYWW	Packaging machinery, nsk, for nonadministrative-record establishments	N	X	X	135 104	N	X	X	124 656
333993WYWY	Packaging machinery, nsk, for administrative-record establishments	N	X	X	121 870	N	X	X	76 353
333994	Industrial furnaces and ovens	N	X	X	2 861 613	N	X	X	1 717 288
3339940	Industrial furnaces and ovens, and electric industrial heating equipment	N	X	X	2 861 613	N	X	X	N
33399401	Fuel-fired industrial process furnaces, ovens, and kilns	N	X	X	589 647	N	X	X	N
3339940103	Fuel-fired industrial metal processing and heat treating furnaces (such as annealing, hardening, carburizing, and porcelain enameling furnaces), except parts and attachments	61	X	X	289 129	35	X	X	144 237
3339940106	Fuel-fired metal processing and heat treating furnaces, ovens, and kilns for the melting, roasting, or other heat treatment of ores, pyrites, or metals, nec, except parts and attachments	25	X	X	60 253	N	X	X	N
3339940109	Fuel-fired industrial furnaces, ovens, and kilns, nec	42	X	X	240 265	N	X	X	N
33399402	Parts and attachments for industrial fuel-fired furnaces, ovens, and kilns	N	X	X	75 470	N	X	X	N
3339940214	Parts and attachments for industrial fuel-fired furnaces, ovens, and kilns	48	X	X	75 470	29	X	X	41 344
33399403	High-frequency induction and dielectric heating equipment, including furnaces, ovens, and kilns; except parts and attachments	N	X	X	209 880	N	X	X	N
3339940323	High-frequency induction and dielectric heating equipment, including furnaces, ovens, and kilns; except parts and attachments	33	X	X	209 880	N	X	X	N
33399404	Electric resistance-heated furnaces, ovens, and kilns (except parts and attachments)	N	X	X	246 968	N	X	X	N
3339940429	Electric resistance-heated metal processing and heat treating furnaces (as for annealing, hardening, carburizing, and porcelain enameling), except parts and attachments	56	X	X	167 902	N	X	X	N
3339940431	Electric resistance-heated furnaces, ovens, and kilns, except for metal processing and heat treating, and excluding parts and attachments	30	X	X	79 066	N	X	X	N
33399405	Electric (except high-frequency induction and dielectric and resistance-heated) metal processing and heat treating furnaces, except parts and attachments	N	X	X	184 371	N	X	X	N
3339940535	Electric (except high-frequency induction and dielectric and resistance-heated) metal processing and heat treating furnaces, except parts and attachments	23	X	X	184 371	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333994	Industrial furnaces and ovens—Con.								
3339940	Industrial furnaces and ovens, and electric industrial heating equipment—Con.								
33399406	Other electric industrial furnaces, ovens, and kilns (complete units)	N	X	X	546 983	N	X	X	N
3339940639	Electric (except high-frequency induction and dielectric and resistance-heated) furnaces and ovens for diffusion, oxidation, or annealing of semiconductor wafers; except parts and attachments	29	X	X	267 271	N	X	X	N
3339940653	Electric industrial furnaces, ovens, and kilns, nec, excluding parts	43	X	X	279 712	N	X	X	N
33399407	Parts and attachments for electric industrial furnaces, ovens, and kilns, and high-frequency induction and dielectric heating equipment	N	X	X	114 498	N	X	X	N
3339940759	Parts and attachments for electric industrial furnaces, ovens, and kilns, and high-frequency induction and dielectric heating equipment	71	X	X	114 498	N	X	X	N
33399408	Other electrical heating equipment for industrial use, except parts and attachments and soldering irons	N	X	X	520 608	N	X	X	N
3339940871	Industrial electric tubular heaters	30	X	X	109 758	26	X	X	64 969
3339940875	Electrical heating equipment for industrial use, nec, except parts and attachments and soldering irons	53	X	X	410 850	N	X	X	N
33399409	Parts and attachments for electric industrial tubular heaters and other electrical heating equipment, nec, for industrial use	N	X	X	72 560	N	X	X	N
3339940979	Parts and attachments for electric industrial tubular heaters and other electrical heating equipment, nec, for industrial use	35	X	X	72 560	N	X	X	N
3339940Y	Industrial furnaces and ovens, nsk	N	X	X	300 628	N	X	X	N
3339940YWW	Industrial furnaces and ovens, and electric industrial heating equipment, nsk	N	X	X	258 301	N	X	X	N
3339940YWY	Industrial furnaces and ovens, nsk, for administrative-record establishments	N	X	X	42 327	N	X	X	29 429
333995	Fluid power cylinders and actuators	N	X	X	3 175 231	N	X	X	N
3339951	Nonaerospace type hydraulic fluid power cylinders and actuators, linear and rotary @	N	X	X	1 382 036	N	X	X	724 447
33399511	Nonaerospace type hydraulic fluid power cylinders and actuators, linear and rotary	N	X	X	1 382 036	N	X	X	N
3339951100	Nonaerospace type hydraulic fluid power cylinders and actuators, linear and rotary	133	X	X	1 382 036	106	X	X	724 447
3339953	Nonaerospace type pneumatic fluid power cylinders and actuators, linear and rotary @	N	X	X	491 260	N	X	X	308 564
33399531	Nonaerospace type pneumatic fluid power cylinders and actuators, linear and rotary	N	X	X	491 260	N	X	X	N
3339953100	Nonaerospace type pneumatic fluid power cylinders and actuators, linear and rotary	82	X	X	491 260	74	X	X	308 564
3339955	Parts for hydraulic and pneumatic fluid power cylinders and actuators, including accumulators, cushions, etc. @	N	X	X	303 995	N	X	X	217 149
33399551	Parts for hydraulic and pneumatic fluid power cylinders and actuators, including accumulators, cushions, etc.	N	X	X	303 995	N	X	X	N
3339955100	Parts for hydraulic and pneumatic fluid power cylinders and actuators, including accumulators, cushions, etc.	84	X	X	303 995	85	X	X	217 149
3339957	Aerospace type fluid power cylinders and actuators, hydraulic and pneumatic @	N	X	X	900 549	N	X	X	N
33399571	Aerospace type fluid power cylinders and actuators, hydraulic and pneumatic	N	X	X	900 549	N	X	X	N
3339957100	Aerospace type fluid power cylinders and actuators, hydraulic and pneumatic	43	X	X	900 549	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333995	Fluid power cylinders and actuators—Con.								
333995W	Fluid power cylinders and actuators, nsk, total	N	X	X	97 391	N	X	X	N
333995WY	Fluid power cylinders and actuators, nsk, total	N	X	X	97 391	N	X	X	N
333995WYWW	Fluid power cylinders and actuators, nsk, for nonadministrative-record establishments	N	X	X	38 851	N	X	X	N
333995WYWY	Fluid power cylinders and actuators, nsk, for administrative-record establishments	N	X	X	58 540	N	X	X	N
333996	Fluid power pumps and motors	N	X	X	2 606 309	N	X	X	N
3339961	Nonaerospace type reciprocating fluid power pumps @	N	X	X	661 302	N	X	X	273 149
33399611	Nonaerospace type reciprocating fluid power pumps	N	X	X	661 302	N	X	X	N
3339961100	Nonaerospace type reciprocating fluid power pumps	37	X	X	661 302	40	X	X	273 149
3339963	Nonaerospace type rotary and other fluid power pumps @	N	X	X	501 080	N	X	X	392 488
33399631	Nonaerospace type rotary and other fluid power pumps	N	X	X	501 080	N	X	X	N
3339963100	Nonaerospace type rotary and other fluid power pumps	44	X	X	501 080	48	X	X	392 488
3339965	Nonaerospace type fluid power motors @	N	X	X	541 994	N	X	X	248 454
33399651	Nonaerospace type fluid power motors	N	X	X	541 994	N	X	X	N
3339965100	Nonaerospace type fluid power motors	33	X	X	541 994	29	X	X	248 454
3339967	Aerospace type fluid power pumps and motors @	N	X	X	221 735	N	X	X	N
33399671	Aerospace type fluid power pumps and motors	N	X	X	221 735	N	X	X	N
3339967100	Aerospace type fluid power pumps and motors	26	X	X	221 735	N	X	X	N
3339969	Parts for fluid power pumps, motors, and hydrostatic transmissions @	N	X	X	502 056	N	X	X	N
33399691	Parts for fluid power pumps, motors, and hydrostatic transmissions	N	X	X	502 056	N	X	X	N
3339969100	Parts for fluid power pumps, motors, and hydrostatic transmissions	64	X	X	502 056	N	X	X	N
333996W	Fluid power pumps and motors, nsk, total	N	X	X	178 142	N	X	X	N
333996WY	Fluid power pumps and motors, nsk, total	N	X	X	178 142	N	X	X	N
333996WYWW	Fluid power pumps and motors, nsk, for nonadministrative-record establishments	N	X	X	107 215	N	X	X	N
333996WYWY	Fluid power pumps and motors, nsk, for administrative-record establishments	N	X	X	70 927	N	X	X	N
333997	Scales and balances, except laboratory	N	X	X	619 837	N	X	X	632 511
3339971	Vehicle and industrial scales	N	X	X	331 007	N	X	X	273 454
33399711	Motor truck and railroad track scales	N	X	X	81 896	N	X	X	N
3339971101	Motor truck scales	22	X	X	75 571	15	X	X	52 837
3339971103	Railroad track scales	8	X	X	6 325	5	X	X	3 360
33399712	Industrial scales	N	X	X	114 673	N	X	X	N
3339971205	Industrial bench and portable scales	12	X	X	20 293	11	X	X	27 065
3339971207	Industrial floor scales, dormant, pitless	16	X	X	28 325	12	X	X	26 868
3339971209	Automatic checkweigher and bulkweigher scales	14	X	X	49 811	N	X	X	N
3339971211	Industrial over-under (predetermined weight) scales	4	X	X	3 524	4	X	X	4 751
3339971215	Industrial counting scales	7	X	X	12 720	8	X	X	9 895
33399713	Miscellaneous industrial scales (crane, suspension, tank, hopper, force measuring devices, bulk conveyor, etc.)	N	X	X	134 438	N	X	X	N
3339971313	Miscellaneous industrial scales (crane, suspension, tank, hopper, force measuring devices, bulk conveyor, etc.)	33	X	X	134 438	26	X	X	112 911
3339971Y	Vehicle and industrial scales, nsk	N	X	X	—	N	X	X	N
3339971YWV	Vehicle and industrial scales, nsk	N	X	X	—	N	X	X	1 756

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333997	Scales and balances, except laboratory—Con.								
3339973	Retail, commercial, household, and mailing scales	N	X	X	154 067	N	X	X	202 746
33399731	Retail, commercial, household, and mailing scales	N	X	X	154 067	N	X	X	N
3339973101	Retail and commercial delicatessen scales	2	X	X	D	5	X	X	8 581
3339973103	Other scales, including checkstand and automatic prepack	2	X	X	D	N	X	X	N
3339973105	Household and person-weighing scales (including bathroom, coin-operated, free weighing, kitchen, and baby scales)	7	X	X	62 903	9	X	X	97 361
3339973107	Mailing and parcel post scales (including handheld scales)	7	X	X	48 307	7	X	X	44 914
3339973109	Balances with or without weights (of all sensitivities), except laboratory	3	X	X	D	7	X	X	23 014
3339973Y	Retail, commercial, household, and mailing scales, nsk	N	X	X	—	N	X	X	N
3339973YVV	Retail, commercial, household, and mailing scales, nsk	N	X	X	—	N	X	X	—
3339975	Parts, attachments, and accessories for scales and balances, except laboratory	N	X	X	102 781	N	X	X	121 022
33399751	Parts, attachments, and accessories for scales and balances, except laboratory	N	X	X	102 781	N	X	X	N
3339975101	Printers for scales and balances, except laboratory (sold separately)	4	X	X	4 562	4	X	X	N
3339975103	Digital indicators for scales and balances, except laboratory (sold separately)	6	X	X	29 329	13	X	X	N
3339975105	Other accessories and attachments for scales and balances, except laboratory (sold separately)	6	X	X	26 864	12	X	X	29 590
3339975107	Parts for scales and balances, except laboratory (sold for assembly elsewhere, repair, service, etc.)	24	X	X	42 026	19	X	X	42 931
3339975Y	Parts, attachments, and accessories for scales and balances, except laboratory, nsk	N	X	X	—	N	X	X	N
3339975YVV	Parts, attachments, and accessories for scales and balances, except laboratory, nsk	N	X	X	—	N	X	X	88
333997W	Scales and balances, except laboratory, nsk, total	N	X	X	31 982	N	X	X	35 289
333997WY	Scales and balances, except laboratory, nsk, total	N	X	X	31 982	N	X	X	N
333997WYWW	Scales and balances, except laboratory, nsk, for nonadministrative-record establishments	N	X	X	16 919	N	X	X	22 327
333997WYWY	Scales and balances, except laboratory, nsk, for administrative-record establishments	N	X	X	15 063	N	X	X	12 962
333999	All other general purpose machinery	N	X	X	7 907 717	N	X	X	N
3339991	Filters and strainers, except fluid power	N	X	X	1 985 617	N	X	X	1 821 516
33399911	Industrial filters and strainers, except fluid power (assemblies (containment or housing devices) and reusable (cleanable) media)	N	X	X	1 253 299	N	X	X	N
3339991104	Filter and strainer assemblies (containment or housing devices; except for fluid power systems), with or without filter element installed, for water; except parts and accessories	71	X	X	504 837	72	X	X	566 434
3339991108	Filter and strainer assemblies (containment or housing devices; except for fluid power systems), with or without filter element installed, for fluids other than water; except parts and accessories	95	X	X	543 253	N	X	X	N
3339991111	Reusable (cleanable) media for filters and strainers, except for fluid power	49	X	X	205 209	46	X	X	245 372
33399912	Nonreusable media for filters and strainers, including disposable (throw away) litter cartridges, except for fluid power	N	X	X	590 408	N	X	X	N
3339991212	Nonreusable media for filters and strainers, including disposable (throwaway) litter cartridges, except for fluid power	76	X	X	590 408	70	X	X	504 370

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333999	All other general purpose machinery—Con.								
3339991	Filters and strainers, except fluid power—Con.								
33399913	Parts and accessories for filters and strainers (except for fluid power systems), sold separately	N	X	X	83 545	N	X	X	N
3339991389	Parts and accessories for filters and strainers (except for fluid power systems), sold separately	44	X	X	83 545	N	X	X	N
3339991Y	Filters and strainers, except fluid power, nsk	N	X	X	58 365	N	X	X	N
3339991YVV	Filters and strainers, except fluid power, nsk	N	X	X	58 365	N	X	X	N
3339993	Filters for hydraulic fluid power systems, nonaerospace @	N	X	X	252 305	N	X	X	207 621
33399930	Filters for hydraulic fluid power systems, nonaerospace	N	X	X	252 305	N	X	X	N
3339993000	Filters for hydraulic fluid power systems, nonaerospace	40	X	X	252 305	36	X	X	207 621
3339994	Filters for pneumatic fluid power systems, nonaerospace @	N	X	X	137 737	N	X	X	71 954
33399940	Filters for pneumatic fluid power systems, nonaerospace	N	X	X	137 737	N	X	X	N
3339994000	Filters for pneumatic fluid power systems, nonaerospace	20	X	X	137 737	24	X	X	71 954
3339996	Filters for hydraulic and pneumatic fluid power systems, aerospace @	N	X	X	121 694	N	X	X	70 616
33399960	Filters for hydraulic and pneumatic fluid power systems, aerospace	N	X	X	121 694	N	X	X	N
3339996000	Filters for hydraulic and pneumatic fluid power systems, aerospace	10	X	X	121 694	8	X	X	70 616
3339998	General industrial machinery, nec @	N	X	X	3 700 308	N	X	X	2 694 076
33399981	Industrial robots, attachments and parts	N	X	X	753 283	N	X	X	N
3339998109	Industrial robots, attachments and parts	105	X	X	753 283	62	X	X	416 936
33399982	Gas separating equipment	N	X	X	105 783	N	X	X	N
3339998218	Gas separating equipment	16	X	X	105 783	20	X	X	133 940
33399983	Centrifugals and separators (except cream, grain, and berry)	N	X	X	167 251	N	X	X	N
3339998321	Centrifugals and separators (except cream, grain, and berry)	19	X	X	167 251	26	X	X	189 697
33399984	Other separatory products, nec, for general industrial use	N	X	X	256 423	N	X	X	N
3339998425	Steam and vapor separators	5	X	X	6 755	4	X	X	9 688
3339998436	Sifting and screening machines	12	X	X	68 162	10	X	X	29 217
3339998446	Other machinery for general industrial use, nec, for separating solids, liquids, or gases, complete units	15	X	X	151 947	N	X	X	N
3339998451	Parts for products for separating solids, liquids, or gases, except parts for filters and strainers and fluid power products	9	X	X	29 559	N	X	X	N
33399985	Gas generating equipment	N	X	X	29 853	N	X	X	N
3339998556	Gas generating equipment	8	X	X	29 853	13	X	X	42 753
33399986	Mixers for general industrial processes, solids or liquids	N	X	X	115 281	N	X	X	N
3339998661	Mixers for general industrial processes, solids or liquids	39	X	X	115 281	38	X	X	215 485
33399987	Automatic fire sprinklers	N	X	X	135 922	N	X	X	N
3339998763	Automatic fire sprinklers	14	X	X	135 922	16	X	X	125 600
33399988	Compressed air and gas dryers; and centralized, automatic lubricating systems for pneumatic fluid power systems	N	X	X	191 736	N	X	X	N
3339998870	Compressed air and gas dryers (refrigerant, desiccant, deliquescent, and other)	25	X	X	179 344	N	X	X	N
3339998880	Lubricating systems, industrial, centralized and automatic, for pneumatic systems, sold separately	3	X	X	12 392	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
333999	All other general purpose machinery—Con.								
3339998	General industrial machinery, nec @—Con.								
33399989	Other machinery, nec, for general industrial use	N	X	X	1 794 737	N	X	X	N
333998983	Lubricating systems, industrial, centralized and automatic, for other than pneumatic systems, complete units	15	X	X	52 038	N	X	X	N
333998986	Metal baling presses	17	X	X	84 821	15	X	X	47 057
333998989	Hydraulic jacks	13	X	X	111 236	12	X	X	46 913
333998991	Screwjacks (except automotive)	4	X	X	20 759	4	X	X	31 264
333998995	Other machinery for general industrial use, nec, complete units	138	X	X	1 162 008	N	X	X	N
333998996	Parts for general industrial machinery and equipment, nec	123	X	X	363 875	N	X	X	N
3339998Y	General industrial machinery, nec, nsk	N	X	X	150 039	N	X	X	N
3339998YWV	General industrial machinery, nec, nsk	N	X	X	150 039	N	X	X	37 346
3339999	Miscellaneous machinery products, except electrical, nec	N	X	X	835 758	N	X	X	N
33399991	Miscellaneous machinery products, except electrical, nec	N	X	X	835 758	N	X	X	N
3339999100	Miscellaneous machinery products, except electrical, nec	253	X	X	835 758	N	X	X	N
333999W	All other general purpose machinery, nsk, total	N	X	X	874 298	N	X	X	N
333999WY	All other general purpose machinery, nsk, total	N	X	X	874 298	N	X	X	N
333999WYWW	All other general purpose machinery, nsk, for nonadministrative-record establishments	N	X	X	529 071	N	X	X	N
333999WYWY	All other general purpose machinery, nsk, for administrative-record establishments	N	X	X	345 227	N	X	X	N
334111	Electronic computers	N	X	X	54 871 866	N	X	X	30 611 569
3341111	Host computers, multiusers (mainframes, super computers, medium scale systems, UNIX servers, pc servers) @	N	X	X	16 584 553	N	X	X	N
33411110	Host computers, multiusers (mainframes, super computers, medium scale systems, UNIX servers, pc servers)	N	X	X	16 584 553	N	X	X	N
3341111000	Host computers, multiusers (mainframes, super computers, medium scale systems, UNIX servers, pc servers)	70	X	X	16 584 553	N	X	X	N
3341117	Single user computers, microprocessor-based, capable of supporting attached peripherals (personal computers, workstations, portable computers) @	N	X	X	34 599 552	N	X	X	N
33411170	Single user computers, microprocessor-based, capable of supporting attached peripherals (personal computers, workstations, portable computers)	N	X	X	34 599 552	N	X	X	N
3341117000	Single user computers, microprocessor-based, capable of supporting attached peripherals (personal computers, workstations, portable computers)	93	X	X	34 599 552	N	X	X	N
334111D	Other computers, (array, analog, hybrid, or special-use computers) @	N	X	X	1 012 286	N	X	X	N
334111D0	Other computers, (array, analog, hybrid, or special-use computers)	N	X	X	1 012 286	N	X	X	N
334111D000	Other computers, (array, analog, hybrid, or special-use computers)	42	X	X	1 012 286	N	X	X	N
334111W	Electronic computers, nsk, total	N	X	X	2 675 475	N	X	X	N
334111WY	Electronic computers, nsk, total	N	X	X	2 675 475	N	X	X	N
334111WYWW	Electronic computers, nsk for nonadministrative-record establishments	N	X	X	2 533 316	N	X	X	N
334111WYWY	Electronic computers, nsk for administrative-record establishments	N	X	X	142 159	N	X	X	N

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		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
334112	Computer storage devices	N	X	X	13 228 758	N	X	X	8 581 782
3341121	Computer storage devices (except parts, attachments, and accessories) @	N	X	X	10 406 775	N	X	X	6 729 546
33411210	Computer storage devices (except parts, attachments, and accessories)	N	X	X	10 406 775	N	X	X	N
3341121000	Computer storage devices (except parts, attachments, and accessories)	90	X	X	10 406 775	102	X	X	6 729 546
3341124	Parts, attachments, and accessories for computer storage devices @	N	X	X	2 340 307	N	X	X	1 398 269
33411240	Parts, attachments, and accessories for computer storage devices	N	X	X	2 340 307	N	X	X	N
3341124000	Parts, attachments, and accessories for computer storage devices	38	X	X	2 340 307	46	X	X	1 398 269
334112W	Computer storage devices, nsk, total	N	X	X	481 676	N	X	X	453 967
334112WY	Computer storage devices, nsk, total	N	X	X	481 676	N	X	X	N
334112WYWW	Computer storage devices, nsk for nonadministrative-record establishments	N	X	X	413 113	N	X	X	436 550
334112WYWY	Computer storage devices, nsk for administrative-record establishments	N	X	X	68 563	N	X	X	17 417
334113	Computer terminals	N	X	X	1 522 712	N	X	X	2 290 809
3341131	Computer terminals (excluding point-of-sale and funds-transfer devices and parts, attachments, and accessories) @	N	X	X	1 086 746	N	X	X	1 791 926
33411310	Computer terminals (excluding point-of-sale and funds-transfer devices and parts, attachments, and accessories)	N	X	X	1 086 746	N	X	X	N
3341131000	Computer terminals (excluding point-of-sale and funds-transfer devices and parts, attachments, and accessories)	50	X	X	1 086 746	65	X	X	1 791 926
3341134	Parts, attachments, and accessories for computer terminals (excluding point-of-sale and funds-transfer devices) @	N	X	X	190 902	N	X	X	194 663
33411340	Parts, attachments, and accessories for computer terminals (excluding point-of-sale and funds-transfer devices)	N	X	X	190 902	N	X	X	N
3341134000	Parts, attachments, and accessories for computer terminals (excluding point-of-sale and funds-transfer devices)	20	X	X	190 902	25	X	X	194 663
334113W	Computer terminals, nsk, total	N	X	X	245 064	N	X	X	304 220
334113WY	Computer terminals, nsk, total	N	X	X	245 064	N	X	X	N
334113WYWW	Computer terminals, nsk for nonadministrative-record establishments	N	X	X	196 600	N	X	X	276 894
334113WYWY	Computer terminals, nsk for administrative-record establishments	N	X	X	48 464	N	X	X	27 326
334119	Other computer peripheral equipment	N	X	X	21 662 541	N	X	X	N
3341191	Computer peripheral (input-output) equipment, nec, except parts, attachments, and accessories @	N	X	X	15 657 143	N	X	X	N
33411910	Computer peripheral (input-output) equipment, nec, except parts, attachments, and accessories	N	X	X	15 657 143	N	X	X	N
3341191000	Computer peripheral (input-output) equipment, nec, except parts, attachments, and accessories	309	X	X	15 657 143	N	X	X	N
3341194	Parts, attachments, and accessories for computer peripheral (input-output) equipment, nec @	N	X	X	2 914 383	N	X	X	3 228 629
33411940	Parts, attachments, and accessories for computer peripheral (input-output) equipment, nec	N	X	X	2 914 383	N	X	X	N
3341194000	Parts, attachments, and accessories for computer peripheral (input-output) equipment, nec	91	X	X	2 914 383	95	X	X	3 228 629
3341197	Point-of-sale terminals and funds-transfer devices @	N	X	X	1 635 769	N	X	X	N
33411970	Point-of-sale terminals and funds-transfer devices	N	X	X	1 635 769	N	X	X	N
3341197000	Point-of-sale terminals and funds-transfer devices	40	X	X	1 635 769	N	X	X	N

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		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
334119	Other computer peripheral equipment—Con.								
334119D	Parts and attachments for point-of-sale terminals and funds-transfer devices	N	X	X	170 816	N	X	X	N
334119D0	Parts and attachments for point-of-sale terminals and funds-transfer devices	N	X	X	170 816	N	X	X	N
334119D000	Parts and attachments for point-of-sale terminals and funds-transfer devices	13	X	X	170 816	N	X	X	N
334119W	Other computer peripheral equipment, nsk, total	N	X	X	1 284 430	N	X	X	N
334119WY	Other computer peripheral equipment manufacturing, nsk, total	N	X	X	1 284 430	N	X	X	N
334119WYWW	Other computer peripheral equipment manufacturing, nsk, for nonadministrative-records	N	X	X	895 311	N	X	X	N
334119WYWY	Other computer peripheral equipment manufacturing, nsk, for administrative-records	N	X	X	389 119	N	X	X	N
334210	Telephone switching, carrier, line telegraph, and data communications equipment	N	X	X	37 288 172	N	X	X	N
3342101	Telephone switching and switchboard equipment @	N	X	X	10 491 799	N	X	X	7 522 296
33421010	Telephone switching and switchboard equipment	N	X	X	10 491 799	N	X	X	N
3342101000	Telephone switching and switchboard equipment	87	X	X	10 491 799	78	X	X	7 522 296
3342104	Telephone and telegraph apparatus, carrier line equipment (office and line repeaters and line terminating carrier equipment) and nonconsumer modems, including auxiliary sets @	N	X	X	7 461 823	N	X	X	N
33421040	Telephone and telegraph apparatus, carrier line equipment (office and line repeaters and line terminating carrier equipment) and nonconsumer modems, including auxiliary sets	N	X	X	7 461 823	N	X	X	N
3342104000	Telephone and telegraph apparatus, carrier line equipment (office and line repeaters and line terminating carrier equipment) and nonconsumer modems, including auxiliary sets	106	X	X	7 461 823	N	X	X	N
3342107	All other telephone-telegraph (wire) and data communications apparatus, including telephone sets, telephone answering, and fax machines @	N	X	X	19 081 252	N	X	X	N
33421070	All other telephone-telegraph (wire) and data communications apparatus, including telephone sets, telephone answering, and fax machines	N	X	X	19 081 252	N	X	X	N
3342107000	All other telephone-telegraph (wire) and data communications apparatus, including telephone sets, telephone answering, and fax machines	236	X	X	19 081 252	N	X	X	N
334210W	Telephone apparatus, nsk, total	N	X	X	253 298	N	X	X	N
334210WY	Telephone apparatus manufacturing, nsk, total	N	X	X	253 298	N	X	X	N
334210WYWW	Telephone apparatus manufacturing, nsk, for nonadministrative-record establishments	N	X	X	60 700	N	X	X	N
334210WYWY	Telephone apparatus manufacturing, nsk, for administrative-record establishments	N	X	X	192 598	N	X	X	N
334220	Communication systems and broadcast and studio equipment	N	X	X	37 354 675	N	X	X	N
3342201	Communication systems and equipment, except broadcast, but including microwave equipment, and space satellites@	N	X	X	30 899 871	N	X	X	15 414 037
33422010	Communication systems and equipment, except broadcast, but including microwave equipment, and space satellites	N	X	X	30 899 871	N	X	X	N
3342201000	Communication systems and equipment, except broadcast, but including microwave equipment, and space satellites	450	X	X	30 899 871	455	X	X	15 414 037

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
334220	Communication systems and broadcast and studio equipment—Con.								
3342203	Broadcast, studio, and related electronic equipment @	N	X	X	4 194 422	N	X	X	N
33422030	Broadcast, studio, and related electronic equipment	N	X	X	4 194 422	N	X	X	N
3342203000	Broadcast, studio, and related electronic equipment	189	X	X	4 194 422	N	X	X	N
3342207	Microwave components and devices, except antennae, tubes, and semiconductors @	N	X	X	1 833 898	N	X	X	1 306 243
33422070	Microwave components and devices, except antennae, tubes, and semiconductors	N	X	X	1 833 898	N	X	X	N
3342207000	Microwave components and devices, except antennae, tubes, and semiconductors	154	X	X	1 833 898	161	X	X	1 306 243
334220W	Radio and television broadcasting and wireless communications equipment, nsk, total	N	X	X	426 484	N	X	X	N
334220WY	Radio and television broadcasting and wireless communications equipment, nsk, total	N	X	X	426 484	N	X	X	N
334220WYWW	Radio and television broadcasting and wireless communications equipment, nsk, for nonadministrative-record establishments	N	X	X	54 876	N	X	X	N
334220WYWY	Radio and television broadcasting and wireless communications equipment, nsk, for administrative-record establishments	N	X	X	371 608	N	X	X	N
334290	Alarm systems, traffic control equipment, and intercommunication and paging systems	N	X	X	3 498 852	N	X	X	2 591 754
3342901	Alarm systems, including electric sirens and horns@	N	X	X	2 056 111	N	X	X	1 410 664
33429010	Alarm systems, including electric sirens and horns	N	X	X	2 056 111	N	X	X	N
3342901000	Alarm systems, including electric sirens and horns	109	X	X	2 056 111	129	X	X	1 410 664
3342902	Vehicular and pedestrian traffic control equipment, electric railway signals and attachments @	N	X	X	1 003 415	N	X	X	591 285
33429020	Vehicular and pedestrian traffic control equipment, electric railway signals and attachments	N	X	X	1 003 415	N	X	X	N
3342902000	Vehicular and pedestrian traffic control equipment, electric railway signals and attachments	49	X	X	1 003 415	39	X	X	591 285
3342903	Intercommunications systems, including inductive paging systems (selective paging), except telephone and telegraph @	N	X	X	291 751	N	X	X	304 665
33429030	Intercommunications systems, including inductive paging systems (selective paging), except telephone and telegraph	N	X	X	291 751	N	X	X	N
3342903000	Intercommunications systems, including inductive paging systems (selective paging), except telephone and telegraph	50	X	X	291 751	52	X	X	304 665
334290W	Other communications equipment, nec, nsk, total	N	X	X	147 575	N	X	X	285 140
334290WY	Other communications equipment, nec, nsk, total	N	X	X	147 575	N	X	X	N
334290WYWW	Other communications equipment, nec, nsk, for nonadministrative-record establishments	N	X	X	30 546	N	X	X	216 663
334290WYWY	Other communications equipment, nec, nsk, for administrative-record establishments	N	X	X	117 029	N	X	X	68 477
334310	Radios, television receivers, hi-fidelity components, and speakers	N	X	X	8 465 285	N	X	X	7 663 572

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
334310	Radios, television receivers, hi-fidelity components, and speakers—Con.								
3343101	Home, portable, and automobile radios and radio-phonograph-tape recorder-compact disc combinations @	N	X	X	992 601	N	X	X	600 237
33431010	Home, portable, and automobile radios and radio-phonograph-tape recorder-compact disc combinations	N	X	X	992 601	N	X	X	N
3343101000	Home, portable, and automobile radios and radio-phonograph-tape recorder-compact disc combinations	24	X	X	992 601	18	X	X	600 237
3343102	Television receivers, including combination models@	N	X	X	4 375 014	N	X	X	4 904 089
33431020	Television receivers, including combination models	N	X	X	4 375 014	N	X	X	N
3343102000	Television receivers, including combination models	14	X	X	4 375 014	21	X	X	4 904 089
3343103	Other consumer audio and video equipment, including audio and video recorders and players, camcorders @	N	X	X	706 191	N	X	X	229 694
33431030	Other consumer audio and video equipment, including audio and video recorders and players, camcorders	N	X	X	706 191	N	X	X	N
3343103000	Other consumer audio and video equipment, including audio and video recorders and players, camcorders	114	X	X	706 191	48	X	X	229 694
3343104	Speakers, including loudspeaker systems and loudspeakers sold separately, and commercial sound equipment @	N	X	X	2 156 074	N	X	X	1 648 643
33431040	Speakers, including loudspeaker systems and loudspeakers sold separately, and commercial sound equipment	N	X	X	2 156 074	N	X	X	N
3343104000	Speakers, including loudspeaker systems and loudspeakers sold separately, and commercial sound equipment	127	X	X	2 156 074	109	X	X	1 648 643
334310W	Audio and video equipment, nsk, total	N	X	X	235 405	N	X	X	280 909
334310WY	Audio and video equipment, nsk, total	N	X	X	235 405	N	X	X	N
334310WYWW	Audio and video equipment, nsk, for nonadministrative-record establishments	N	X	X	55 197	N	X	X	216 716
334310WYWY	Audio and video equipment, nsk, for administrative-record establishments	N	X	X	180 208	N	X	X	64 193
334411	Electron tubes	N	X	X	4 219 906	N	X	X	3 357 256
3344111	Transmittal, industrial, and special-purpose electron tubes (except x-ray) @	N	X	X	577 989	N	X	X	918 080
33441110	Transmittal, industrial, and special-purpose electron tubes (except x-ray)	N	X	X	577 989	N	X	X	N
3344111000	Transmittal, industrial, and special-purpose electron tubes (except x-ray)	31	X	X	577 989	41	X	X	918 080
3344114	Receiving-type electron tubes, including cathode ray (new and rebuilt) @	N	X	X	3 394 462	N	X	X	2 125 012
33441140	Receiving-type electron tubes, including cathode ray (new and rebuilt)	N	X	X	3 394 462	N	X	X	N
3344114000	Receiving-type electron tubes, including cathode ray (new and rebuilt)	18	X	X	3 394 462	16	X	X	2 125 012
3344117	Electron tube parts @	N	X	X	156 671	N	X	X	164 644
33441170	Electron tube parts	N	X	X	156 671	N	X	X	N
3344117000	Electron tube parts	16	X	X	156 671	18	X	X	164 644
334411W	Electron tubes, nsk, total	N	X	X	90 784	N	X	X	149 520
334411WY	Electron tubes, nsk, total	N	X	X	90 784	N	X	X	N
334411WYWW	Electron tubes, nsk, for nonadministrative-record establishments	N	X	X	35 869	N	X	X	125 113
334411WYWY	Electron tubes, nsk, for administrative-record establishments	N	X	X	54 915	N	X	X	24 407

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		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
334412	Printed circuit boards	N	X	X	8 724 756	N	X	X	6 293 423
3344120	Printed circuit (wiring) boards @	N	X	X	8 724 756	N	X	X	6 293 423
33441200	Printed circuit (wiring) boards	N	X	X	7 827 892	N	X	X	N
3344120000	Printed circuit (wiring) boards	534	X	X	7 827 892	N	X	X	N
3344120Y	Printed circuit (wiring) boards, nsk total	N	X	X	896 864	N	X	X	N
3344120YWW	Printed circuit boards, nsk for nonadministrative-record establishments	N	X	X	582 894	N	X	X	N
3344120YWY	Printed circuit boards, nsk, for administrative-record establishments	N	X	X	313 970	N	X	X	165 419
334413	Semiconductors and related devices	N	X	X	76 185 822	N	X	X	29 391 060
3344131	Integrated microcircuits, including semiconductor networks, microprocessors, and MOS memories @	N	X	X	60 277 163	N	X	X	20 852 835
33441310	Integrated microcircuits, including semiconductor networks, microprocessors, and MOS memories	N	X	X	60 277 163	N	X	X	N
3344131000	Integrated microcircuits, including semiconductor networks, microprocessors, and MOS memories	191	X	X	60 277 163	195	X	X	20 852 835
3344134	Transistors @	N	X	X	1 661 296	N	X	X	709 518
33441340	Transistors	N	X	X	1 661 296	N	X	X	N
3344134000	Transistors	34	X	X	1 661 296	36	X	X	709 518
3344137	Diodes and rectifiers @	N	X	X	1 200 564	N	X	X	712 035
33441370	Diodes and rectifiers	N	X	X	1 200 564	N	X	X	N
3344137000	Diodes and rectifiers	47	X	X	1 200 564	60	X	X	712 035
334413A	Other semiconductor devices, including semiconductor parts, such as chips, wafers, and heat sinks @	N	X	X	11 202 336	N	X	X	5 979 989
334413A0	Other semiconductor devices, including semiconductor parts, such as chips, wafers, and heat sinks	N	X	X	11 202 336	N	X	X	N
334413A000	Other semiconductor devices, including semiconductor parts, such as chips, wafers, and heat sinks	166	X	X	11 202 336	173	X	X	5 979 989
334413W	Semiconductors and related devices, nsk, total	N	X	X	1 844 463	N	X	X	1 136 683
334413WY	Semiconductors and related devices, nsk, total	N	X	X	1 844 463	N	X	X	N
334413WYWW	Semiconductors and related devices, nsk, for nonadministrative-record establishments	N	X	X	1 332 527	N	X	X	1 017 927
334413WYWY	Semiconductors and related devices, nsk, for administrative-record establishments	N	X	X	511 936	N	X	X	118 756
334414	Electronic capacitors	N	X	X	2 128 486	N	X	X	1 393 129
3344140	Capacitors for electronic circuitry @	N	X	X	2 128 486	N	X	X	1 393 129
33441400	Capacitors for electronic circuitry	N	X	X	2 066 258	N	X	X	N
3344140000	Capacitors for electronic circuitry	79	X	X	2 066 258	N	X	X	N
3344140Y	Capacitors for electronic circuitry, nsk	N	X	X	62 228	N	X	X	N
3344140YWW	Capacitors for electronic circuitry, nsk, for nonadministrative-record establishments	N	X	X	27 992	N	X	X	N
3344140YWY	Capacitors for electronic circuitry, nsk for administrative-record establishments	N	X	X	34 236	N	X	X	10 619
334415	Electronic resistors	N	X	X	1 098 006	N	X	X	753 696
3344150	Resistors for electronic circuitry @	N	X	X	1 098 006	N	X	X	753 696
33441500	Resistors for electronic circuitry	N	X	X	1 029 704	N	X	X	N
3344150000	Resistors for electronic circuitry	74	X	X	1 029 704	N	X	X	N
3344150Y	Resistors for electronic circuitry, nsk	N	X	X	68 302	N	X	X	N
3344150YWW	Resistors for electronic circuitry, nsk, for nonadministrative-record establishments	N	X	X	57 824	N	X	X	N
3344150YWY	Resistors for electronic circuitry, nsk, for administrative-record establishments	N	X	X	10 478	N	X	X	6 211

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		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
334416	Electronic coils, transformers, and other inductors	N	X	X	1 622 026	N	X	X	N
3344160	Electronic coils, transformers, and other inductors @	N	X	X	1 622 026	N	X	X	N
33441600	Electronic coils, transformers, and other inductors	N	X	X	1 402 589	N	X	X	N
3344160000	Electronic coils, transformers, and other inductors	242	X	X	1 402 589	N	X	X	N
3344160Y	Electronic coils, transformers, and other inductors, nsk	N	X	X	219 437	N	X	X	N
3344160YWW	Electronic coils, transformers, and other inductors, nsk, for nonadministrative-record establishments	N	X	X	136 667	N	X	X	N
3344160YWY	Electronic coils, transformers, and other inductors, nsk, for administrative-record establishments	N	X	X	82 770	N	X	X	N
334417	Electronic connectors	N	X	X	5 652 449	N	X	X	3 745 737
3344171	Coaxial (RF) connectors for electronic circuitry @	N	X	X	676 224	N	X	X	426 930
33441710	Coaxial (RF) connectors for electronic circuitry	N	X	X	676 224	N	X	X	N
3344171000	Coaxial (RF) connectors for electronic circuitry	45	X	X	676 224	43	X	X	426 930
3344174	Cylindrical connectors for electronic circuitry @	N	X	X	602 702	N	X	X	549 535
33441740	Cylindrical connectors for electronic circuitry	N	X	X	602 702	N	X	X	N
3344174000	Cylindrical connectors for electronic circuitry	33	X	X	602 702	35	X	X	549 535
3344177	Rack and panel (rectangular) connectors for electronic circuitry @	N	X	X	579 598	N	X	X	523 292
33441770	Rack and panel (rectangular) connectors for electronic circuitry	N	X	X	579 598	N	X	X	N
3344177000	Rack and panel (rectangular) connectors for electronic circuitry	28	X	X	579 598	33	X	X	523 292
334417A	Printed circuit connectors for electronic circuitry @	N	X	X	1 353 679	N	X	X	827 231
334417A0	Printed circuit connectors for electronic circuitry	N	X	X	1 353 679	N	X	X	N
334417A000	Printed circuit connectors for electronic circuitry	43	X	X	1 353 679	57	X	X	827 231
334417D	Other connectors for electronic circuitry, including parts @	N	X	X	2 162 527	N	X	X	1 184 397
334417D0	Other connectors for electronic circuitry, including parts	N	X	X	2 162 527	N	X	X	N
334417D000	Other connectors for electronic circuitry, including parts	103	X	X	2 162 527	88	X	X	1 184 397
334417W	Connectors for electronic circuitry, nsk, total	N	X	X	277 719	N	X	X	234 352
334417WY	Connectors for electronic circuitry, nsk, total	N	X	X	277 719	N	X	X	N
334417WYWW	Connectors for electronic circuitry, nsk, for nonadministrative-record establishments	N	X	X	192 130	N	X	X	212 116
334417WYWY	Connectors for electronic circuitry, nsk, for administrative-record establishments	N	X	X	85 589	N	X	X	22 236
334418	Printed circuits and electronics subassemblies	N	X	X	28 544 444	N	X	X	N
3344184	Printed circuit, electronic assemblies @	N	X	X	990 981	N	X	X	N
33441840	Printed circuit, electronic assemblies	N	X	X	990 981	N	X	X	N
3344184000	Printed circuit, electronic assemblies	26	X	X	990 981	N	X	X	N
334418A	Printed circuit assemblies, loaded boards or modules (printed circuit boards with inserted electronic components) @	N	X	X	27 006 877	N	X	X	14 310 176
334418A0	Printed circuit assemblies, loaded boards or modules (printed circuit boards with inserted electronic components)	N	X	X	27 006 877	N	X	X	N
334418A000	Printed circuit assemblies, loaded boards or modules (printed circuit boards with inserted electronic components)	704	X	X	27 006 877	573	X	X	14 310 176

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
334418	Printed circuits and electronics subassemblies—Con.								
334418W	Printed circuit, electronic assemblies, nsk	N	X	X	546 586	N	X	X	N
334418WY	Printed circuit, electronics assembly manufacturing, nsk	N	X	X	546 586	N	X	X	N
334418WYWW	Printed circuit, electronics assembly manufacturing, nsk, for nonadministrative-record establishments	N	X	X	541 567	N	X	X	N
334418WYWY	Printed circuit, electronics assembly manufacturing, nsk, for administrative-record establishments	N	X	X	5 019	N	X	X	N
334419	Other electronic components	N	X	X	10 574 874	N	X	X	N
3344191	Crystals, filters, piezoelectric, and other related electronic devices, except microwave filters @	N	X	X	964 480	N	X	X	516 481
33441910	Crystals, filters, piezoelectric, and other related electronic devices, except microwave filters	N	X	X	964 480	N	X	X	N
3344191000	Crystals, filters, piezoelectric, and other related electronic devices, except microwave filters	108	X	X	964 480	135	X	X	516 481
3344194	Transducers, electrical-electronic input or output, nec @	N	X	X	1 261 240	N	X	X	801 381
33441940	Transducers, electrical-electronic input or output, nec	N	X	X	1 261 240	N	X	X	N
3344194000	Transducers, electrical-electronic input or output, nec	126	X	X	1 261 240	116	X	X	801 381
3344197	Switches, mechanical, for electronic circuitry @	N	X	X	822 899	N	X	X	479 703
33441970	Switches, mechanical, for electronic circuitry	N	X	X	822 899	N	X	X	N
3344197000	Switches, mechanical, for electronic circuitry	88	X	X	822 899	92	X	X	479 703
334419D	Electronic components, nec @	N	X	X	6 050 266	N	X	X	N
334419D1	Electronic components, nec	N	X	X	5 680 216	N	X	X	N
334419D101	Earphones and headsets (except telephone), phonograph cartridges and pickups, and phonograph needles and styli	25	X	X	273 737	13	X	X	39 389
334419D106	All other electronic components, nec	452	X	X	5 406 479	N	X	X	N
334419DY	Electronic components, nec, nsk	N	X	X	370 050	N	X	X	N
334419DYWV	Electronic components, nec, nsk	N	X	X	370 050	N	X	X	N
334419W	Other electronic components, nsk	N	X	X	1 475 989	N	X	X	N
334419WY	Other electronic components, nsk	N	X	X	1 475 989	N	X	X	N
334419WYWW	Other electronic components, nsk, for nonadministrative-record establishments	N	X	X	1 006 691	N	X	X	N
334419WYWY	Other electronic components, nsk, for administrative-record establishments	N	X	X	469 298	N	X	X	N
334510	Electromedical and electrotherapeutic apparatus	N	X	X	10 424 529	N	X	X	N
3345101	Electromedical equipment (diagnostic, therapeutic, patient monitoring, etc.), excluding ionizing radiation equipment and hearing aids @	N	X	X	9 414 822	N	X	X	N
33451010	Electromedical equipment (diagnostic, therapeutic, patient monitoring, etc.), excluding ionizing radiation equipment and hearing aids	N	X	X	9 414 822	N	X	X	N
3345101000	Electromedical equipment (diagnostic, therapeutic, patient monitoring, etc.), excluding ionizing radiation equipment and hearing aids	245	X	X	9 414 822	N	X	X	N
3345103	Electronic hearing aids, complete units	N	X	X	585 336	N	X	X	376 649
33451031	Electronic hearing aids, complete units	N	X	X	585 336	N	X	X	N
3345103100	Electronic hearing aids, complete units	26	X	X	585 336	27	X	X	376 649

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
334510	Electromedical and electrotherapeutic apparatus—Con.								
334510W	Electromedical and electrotherapeutic apparatus, nsk, total	N	X	X	424 371	N	X	X	N
334510WY	Electromedical and electrotherapeutic apparatus manufacturing, nsk, total	N	X	X	424 371	N	X	X	N
334510WYWW	Electromedical and electrotherapeutic apparatus manufacturing, nsk, for nonadministrative-record establishments	N	X	X	276 175	N	X	X	N
334510WYWY	Electromedical and electrotherapeutic apparatus manufacturing, nsk, for administrative-record establishments	N	X	X	148 196	N	X	X	N
334511	Search, detection, navigation, guidance, aeronautical, and nautical systems and instruments	N	X	X	29 806 887	N	X	X	N
3345111	Aeronautical, nautical, and navigational instruments, not sending or receiving radio signals, except engine instruments @	N	X	X	2 651 069	N	X	X	2 553 875
33451110	Aeronautical, nautical, and navigational instruments, not sending or receiving radio signals, except engine instruments	N	X	X	2 651 069	N	X	X	N
3345111000	Aeronautical, nautical, and navigational instruments, not sending or receiving radio signals, except engine instruments	116	X	X	2 651 069	111	X	X	2 553 875
3345113	Search, detection, navigation, and guidance systems and equipment @	N	X	X	26 748 331	N	X	X	N
33451130	Search, detection, navigation, and guidance systems and equipment	N	X	X	26 748 331	N	X	X	N
3345113000	Search, detection, navigation, and guidance systems and equipment	213	X	X	26 748 331	N	X	X	N
334511W	Search, detection, navigation, guidance, aeronautical, and nautical systems and instruments, nsk, total	N	X	X	407 487	N	X	X	N
334511WY	Search, detection, navigation, guidance, aeronautical, and nautical systems and instrument manufacturing, nsk, total	N	X	X	407 487	N	X	X	N
334511WYWW	Search, detection, navigation, guidance, aeronautical, and nautical systems and instrument manufacturing, nsk, for nonadministrative-record establishments	N	X	X	222 085	N	X	X	N
334511WYWY	Search, detection, navigation, guidance, aeronautical, and nautical systems and instrument manufacturing, nsk for administrative-record establishments	N	X	X	185 402	N	X	X	N
334512	Environmental controls	N	X	X	2 935 423	N	X	X	2 370 024
3345120	Automatic environmental controls for monitoring and regulating residential and commercial environments and appliances @	N	X	X	2 935 423	N	X	X	2 370 024
33451200	Automatic environmental controls for monitoring and regulating residential and commercial environments and appliances	N	X	X	2 781 064	N	X	X	N
3345120000	Automatic environmental controls for monitoring and regulating residential and commercial environments and appliances	188	X	X	2 781 064	N	X	X	N
3345120Y	Environmental controls, nsk,	N	X	X	154 359	N	X	X	N
3345120YWW	Environmental controls, nsk, for nonadministrative-record establishments	N	X	X	78 602	N	X	X	N
3345120YWY	Environmental controls, nsk, for administrative-record establishments	N	X	X	75 757	N	X	X	59 389

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
334513	Process control instruments	N	X	X	7 234 887	N	X	X	5 996 632
3345130	Process control instruments @	N	X	X	7 234 887	N	X	X	5 996 632
33451300	Process control instruments	N	X	X	6 581 435	N	X	X	N
3345130000	Process control instruments	512	X	X	6 581 435	N	X	X	N
3345130Y	Process control instruments, nsk	N	X	X	653 452	N	X	X	N
3345130YWW	Process control instruments, nsk, for nonadministrative-record establishments	N	X	X	367 470	N	X	X	N
3345130YWY	Process control instruments, nsk, for administrative-record establishments	N	X	X	285 982	N	X	X	116 021
334514	Totalizing fluid meters and counting devices	N	X	X	4 064 209	N	X	X	2 731 259
3345141	Integrating and totalizing meters for gas and liquids @	N	X	X	1 185 328	N	X	X	773 292
33451410	Integrating and totalizing meters for gas and liquids	N	X	X	1 185 328	N	X	X	N
3345141000	Integrating and totalizing meters for gas and liquids	77	X	X	1 185 328	57	X	X	773 292
3345143	Counting devices, excluding motor vehicle instruments @	N	X	X	407 153	N	X	X	271 981
33451430	Counting devices, excluding motor vehicle instruments	N	X	X	407 153	N	X	X	N
3345143000	Counting devices, excluding motor vehicle instruments	36	X	X	407 153	41	X	X	271 981
3345145	Motor vehicle instruments @	N	X	X	2 300 471	N	X	X	1 593 360
33451450	Motor vehicle instruments	N	X	X	2 300 471	N	X	X	N
3345145000	Motor vehicle instruments	37	X	X	2 300 471	35	X	X	1 593 360
334514W	Totalizing fluid meters and counting devices, nsk, total	N	X	X	171 257	N	X	X	92 626
334514WY	Totalizing fluid meter and counting device manufacturing, nsk, total	N	X	X	171 257	N	X	X	N
334514WYWW	Totalizing fluid meter and counting device manufacturing, nsk, for nonadministrative-record establishments	N	X	X	90 588	N	X	X	75 099
334514WYWY	Totalizing fluid meter and counting device manufacturing, nsk, for administrative-record establishments	N	X	X	80 669	N	X	X	17 527
334515	Instruments to measure electricity	N	X	X	13 033 372	N	X	X	N
3345151	Electrical integrating instruments @	N	X	X	484 671	N	X	X	441 132
33451510	Electrical integrating instruments	N	X	X	484 671	N	X	X	N
3345151000	Electrical integrating instruments	36	X	X	484 671	33	X	X	441 132
3345153	Test equipment for testing electrical, radio and communication circuits, and motors, except portable instrument transformers @	N	X	X	11 253 180	N	X	X	N
33451530	Test equipment for testing electrical, radio and communication circuits, and motors, except portable instrument transformers	N	X	X	11 253 180	N	X	X	N
3345153000	Test equipment for testing electrical, radio and communication circuits, and motors, except portable instrument transformers	324	X	X	11 253 180	N	X	X	N
3345155	Other instruments to measure electricity @	N	X	X	486 394	N	X	X	527 506
33451550	Other instruments to measure electricity	N	X	X	486 394	N	X	X	N
3345155000	Other instruments to measure electricity	82	X	X	486 394	92	X	X	527 506
334515W	Instruments to measure electricity, nsk, total	N	X	X	809 127	N	X	X	N
334515WY	Instruments to measure electricity, nsk, total	N	X	X	809 127	N	X	X	N
334515WYWW	Instruments to measure electricity, nsk, for nonadministrative-record establishments	N	X	X	617 807	N	X	X	N
334515WYWY	Instruments to measure electricity, nsk, for administrative-record establishments	N	X	X	191 320	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
334516	Analytical laboratory instruments	N	X	X	6 140 026	N	X	X	N
3345160	Analytical and scientific instruments, except optical @	N	X	X	6 140 026	N	X	X	N
33451600	Analytical and scientific instruments, except optical	N	X	X	5 821 114	N	X	X	N
3345160000	Analytical and scientific instruments, except optical	341	X	X	5 821 114	N	X	X	N
3345160Y	Analytical and scientific instruments, except optical, nsk	N	X	X	318 912	N	X	X	N
3345160YWW	Analytical instruments, nsk, for nonadministrative-record establishments	N	X	X	165 499	N	X	X	N
3345160YWY	Analytical instruments, nsk, for administrative-record establishments	N	X	X	153 413	N	X	X	N
334517	Irradiation apparatus	N	X	X	3 393 643	N	X	X	2 360 099
3345170	Irradiation (ionizing radiation) equipment, including x-ray, beta ray, gamma ray, and nuclear @	N	X	X	3 393 643	N	X	X	2 360 099
33451700	Irradiation (ionizing radiation) equipment, including x-ray, beta ray, gamma ray, and nuclear	N	X	X	3 286 262	N	X	X	N
3345170000	Irradiation (ionizing radiation) equipment, including x-ray, beta ray, gamma ray, and nuclear	74	X	X	3 286 262	N	X	X	N
3345170Y	Irradiation apparatus manufacturing, nsk, total	N	X	X	107 381	N	X	X	N
3345170YWW	Irradiation apparatus manufacturing, nsk, for nonadministrative-record establishments	N	X	X	43 037	N	X	X	N
3345170YWY	Irradiation apparatus manufacturing, nsk, for administrative-record establishments	N	X	X	64 344	N	X	X	11 392
334518	Watches, clocks, and parts	N	X	X	751 060	N	X	X	N
3345181	Watches, watchcases, movements or modules, and watch parts	N	X	X	86 289	N	X	X	107 617
33451811	Watches, watchcases, movements or modules, and watch parts	N	X	X	86 055	N	X	X	N
3345181101	Watches	11	X	X	44 223	11	X	X	77 622
3345181106	Watchcases, movements or modules, and watch parts	6	X	X	41 832	5	X	X	29 252
3345181Y	Watches, watchcases, movements or modules, and watch parts, nsk	N	X	X	234	N	X	X	N
3345181YWW	Watches, watchcases, movements or modules, and watch parts, nsk	N	X	X	234	N	X	X	743
3345183	Clocks, timing mechanisms, time recording and time stamp devices, time switches, clock movements, clock cases, and parts @	N	X	X	628 565	N	X	X	N
33451831	Clocks, timing mechanisms, time recording and time stamp devices, time switches, clock movements, clock cases, and parts	N	X	X	618 843	N	X	X	N
3345183101	Alarm clocks, excluding clock timers and timing mechanisms	5	X	X	D	5	X	X	42 518
3345183106	Household wall clocks, excluding alarm clocks	18	X	X	59 082	21	X	X	76 621
3345183111	All other household clocks, including chime and strike, desk, mantel, etc., excluding alarm clocks	14	X	X	115 206	19	X	X	119 265
3345183116	Other complete clocks, excluding alarm clocks	13	X	X	16 877	12	X	X	29 714
3345183121	Household timing mechanisms, excluding time recording and time stamp machines	5	X	X	D	8	X	X	88 831
3345183126	Commercial timing mechanisms, excluding time recording and time stamp machines	7	X	X	69 221	8	X	X	41 356
3345183131	Time recording and time stamp machines and devices	8	X	X	150 702	N	X	X	N
3345183136	Other timing mechanisms, including military, excluding time recording and time stamp machines	4	X	X	4 459	3	X	X	1 915
3345183141	Timers and switch clocks with clock or watch movements or modules having dials or displays for telling time of day	1	X	X	D	4	X	X	8 931
3345183146	Clock movements and modules, complete	6	X	X	19 875	4	X	X	27 618
3345183151	Other clock parts (except timing motors), clock and watch springs, and parts and attachments for time recording and time stamp devices	19	X	X	64 632	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
334518	Watches, clocks, and parts—Con.								
3345183	Clocks, timing mechanisms, time recording and time stamp devices, time switches, clock movements, clock cases, and parts @ —Con.								
3345183Y	Clocks, timing mechanisms, time recording and time stamp devices, time switches, clock movements, clock cases, and parts, nsk	N	X	X	9 722	N	X	X	N
3345183YWW	Clocks, timing mechanisms, time recording and time stamp devices, time switches, clock movements, clock cases, and parts, nsk	N	X	X	9 722	N	X	X	N
334518W	Watches, clocks, and parts, nsk, total	N	X	X	36 206	N	X	X	N
334518WY	Watch, clock, and parts manufacturing, nsk, total	N	X	X	36 206	N	X	X	N
334518WYWW	Watch, clock, and parts, nsk, for nonadministrative-record establishments	N	X	X	16 214	N	X	X	N
334518WYWW	Watch, clock, and part, nsk, for administrative-record establishments	N	X	X	19 992	N	X	X	N
334519	Measuring and controlling devices, nec	N	X	X	5 004 377	N	X	X	N
3345191	Aircraft engine instruments, except flight @	N	X	X	511 927	N	X	X	624 214
33451910	Aircraft engine instruments, except flight	N	X	X	511 927	N	X	X	N
3345191000	Aircraft engine instruments, except flight	36	X	X	511 927	49	X	X	624 214
3345193	Physical properties testing and inspection equipment and kinematic testing and measuring equipment @	N	X	X	1 576 885	N	X	X	1 169 082
33451930	Physical properties testing and inspection equipment and kinematic testing and measuring equipment	N	X	X	1 576 885	N	X	X	N
3345193000	Physical properties testing and inspection equipment and kinematic testing and measuring equipment	228	X	X	1 576 885	239	X	X	1 169 082
3345195	Nuclear radiation detection and monitoring instruments @	N	X	X	502 142	N	X	X	580 659
33451950	Nuclear radiation detection and monitoring instruments	N	X	X	502 142	N	X	X	N
3345195000	Nuclear radiation detection and monitoring instruments	42	X	X	502 142	53	X	X	580 659
3345197	Commercial, geophysical, meteorological, and general-purpose instruments and equipment, except medical thermometers @	N	X	X	1 543 851	N	X	X	N
33451970	Commercial, geophysical, meteorological, and general-purpose instruments and equipment, except medical thermometers	N	X	X	1 543 851	N	X	X	N
3345197000	Commercial, geophysical, meteorological, and general-purpose instruments and equipment, except medical thermometers	187	X	X	1 543 851	N	X	X	N
3345199	Survey and drafting instruments and apparatus, including photogrammetric equipment @	N	X	X	344 853	N	X	X	N
33451990	Survey and drafting instruments and apparatus, including photogrammetric equipment	N	X	X	344 853	N	X	X	N
3345199000	Survey and drafting instruments and apparatus, including photogrammetric equipment	27	X	X	344 853	N	X	X	N
334519W	Other measuring and controlling devices, nsk, total	N	X	X	524 719	N	X	X	N
334519WY	Other measuring and controlling device manufacturing, nsk, total	N	X	X	524 719	N	X	X	N
334519WYWW	Other measuring and controlling device manufacturing, nsk, for nonadministrative-record establishments	N	X	X	415 462	N	X	X	N
334519WYWW	Other measuring and controlling device manufacturing, nsk, for administrative-record establishments	N	X	X	109 257	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
334611	Software reproducing	N	X	X	1 350 212	N	X	X	N
3346110	Software reproducing	N	X	X	1 350 212	N	X	X	N
33461100	Software reproducing	N	X	X	1 216 286	N	X	X	N
3346110000	Software reproducing	74	X	X	1 216 286	N	X	X	N
3346110Y	Software reproducing, nsk, total	N	X	X	133 926	N	X	X	N
3346110YWW	Software reproducing, nsk, for nonadministrative-record establishments	N	X	X	116 630	N	X	X	N
3346110YWY	Software reproducing, nsk, for administrative-record establishments	N	X	X	17 296	N	X	X	N
334612	Prerecorded compact discs, except software, tapes, and records	N	X	X	3 702 377	N	X	X	N
3346120	Prerecorded compact disc (except software), tape, and record reproducing	N	X	X	3 702 377	N	X	X	N
33461201	Audio discs, records, and compact discs (CD), full-length	N	X	X	1 217 958	N	X	X	N
3346120101	Audio discs, records, and compact discs (CD), full-length	56	X	X	1 217 958	41	X	X	802 982
33461202	Audio tapes, cassette, full-length	N	X	X	355 721	N	X	X	N
3346120201	Audio tapes, cassette full-length	60	X	X	355 721	67	X	X	460 529
33461203	Reproduction of video recording media	N	X	X	1 483 641	N	X	X	N
3346120301	Video discs, including laser	8	X	X	69 108	N	X	X	N
3346120303	Video tapes	108	X	X	1 414 533	N	X	X	N
33461204	Reproduction of computer software	N	X	X	—	N	X	X	N
33461205	All other reproduction of recording media	N	X	X	218 314	N	X	X	N
3346120501	Audio discs or records vinyl singles, including 7 and 12 inch	11	X	X	24 995	N	X	X	N
3346120504	Audio discs or records long playing (LP), excluding digitally mastered records for consumer use	9	X	X	20 914	22	X	X	N
3346120507	Audio discs or records compact disc (CD) singles-maxisingles	14	X	X	34 324	13	X	X	23 719
3346120511	Other audio discs or records, including digitally mastered records for consumer use, and master records used to press commercial records	14	X	X	85 888	N	X	X	N
3346120514	Audio tapes, cassette singles-maxisingles	20	X	X	46 761	17	X	X	72 061
3346120517	Other audio tapes, including 8-track and DAT	5	X	X	5 432	5	X	X	1 010
3346120Y	Reproduction of recording media, nsk	N	X	X	426 743	N	X	X	N
3346120YWW	Reproduction of recording media, nsk, for nonadministrative-record establishments	N	X	X	367 226	N	X	X	N
3346120YWY	Reproduction of recording media, nsk, for administrative-record establishments	N	X	X	59 517	N	X	X	N
334613	Unrecorded magnetic and optical discs and tapes	N	X	X	5 913 679	N	X	X	4 406 937
3346130	Magnetic and optical recording media, unrecorded @	N	X	X	5 913 679	N	X	X	4 406 937
33461301	Magnetic and optical recording media, unrecorded disks	N	X	X	1 360 492	N	X	X	N
3346130110	Magnetic and optical recording media, unrecorded disks	23	X	X	1 360 492	N	X	X	N
33461304	Magnetic and optical recording media, unrecorded tapes, including reels, cassettes, cartridges, and video	N	X	X	2 444 423	N	X	X	N
3346130410	Magnetic and optical recording media, unrecorded tapes, including reels, cassettes, cartridges, and video	24	X	X	2 444 423	N	X	X	N
33461306	All other magnetic and optical recording media, unrecorded	N	X	X	1 493 689	N	X	X	N
3346130610	All other magnetic and optical recording media, unrecorded	17	X	X	1 493 689	N	X	X	N
3346130Y	Magnetic and optical recording media, nsk, total	N	X	X	615 075	N	X	X	N
3346130YWW	Magnetic and optical recording media, nsk, for nonadministrative-record establishments	N	X	X	463 645	N	X	X	N
3346130YWY	Magnetic and optical recording media, nsk, for administrative-record establishments	N	X	X	151 430	N	X	X	29 204

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
335110	Electric lamp bulbs and parts	N	X	X	3 166 277	N	X	X	2 947 434
3351101	Electric lamp bulbs and tubes (including sealed beam lamp bulbs)	N	X	X	2 868 070	N	X	X	2 697 382
33511011	Electric lamp bulbs and tubes (including sealed beam lamp bulbs)	N	X	X	2 868 070	N	X	X	N
3351101100	Electric lamp bulbs and tubes (including sealed beam lamp bulbs)	51	X	X	2 868 070	58	X	X	2 697 382
3351103	Electric lamp (bulbs and tubes) components (bases, supports, lead-ins, filaments, etc., but excluding lamp bulb blanks)	N	X	X	294 136	N	X	X	212 416
33511031	Electric lamp (bulbs and tubes) components (bases, supports, lead-ins, filaments, etc., but excluding lamp bulb blanks)	N	X	X	294 136	N	X	X	N
3351103100	Electric lamp (bulbs and tubes) components (bases, supports, lead-ins, filaments, etc., but excluding lamp bulb blanks)	15	X	X	294 136	14	X	X	212 416
335110W	Electric lamps (bulbs and tubes), nsk, total	N	X	X	4 071	N	X	X	37 636
335110WY	Electric lamps (bulbs and tubes), nsk, total	N	X	X	4 071	N	X	X	N
335110WYWW	Electric lamps (bulbs and tubes), nsk, for nonadministrative-record establishments	N	X	X	4 071	N	X	X	37 636
335110WYWY	Electric lamps (bulbs and tubes), nsk, for administrative-record establishments	N	X	X	—	N	X	X	—
335121	Residential electric lighting fixtures	N	X	X	2 004 211	N	X	X	N
3351211	Residential-type electric lighting fixtures (except portable), including parts and accessories @	N	X	X	1 182 877	N	X	X	857 993
33512110	Residential-type electric lighting fixtures (except portable), including parts and accessories	N	X	X	1 182 877	N	X	X	N
3351211000	Residential-type electric lighting fixtures (except portable), including parts and accessories	143	X	X	1 182 877	133	X	X	857 993
3351213	Residential-type portable lighting fixtures, including parts and accessories	N	X	X	703 218	N	X	X	N
33512131	Residential-type portable lighting fixtures, including parts and accessories	N	X	X	671 516	N	X	X	N
3351213111	Residential-type incandescent portable floor lamps, complete with shade	55	X	X	108 966	61	X	X	102 147
3351213121	Residential-type incandescent portable wall lamps (including adjustable types), complete with shade	40	X	X	53 259	42	X	X	29 082
3351213131	Residential-type incandescent portable table lamps (excluding desk lamps), complete with shade	74	X	X	220 115	97	X	X	289 076
3351213141	Other residential-type incandescent portable lamps (including desk and boudior lamps), complete with shade	23	X	X	79 340	34	X	X	67 514
3351213151	Residential-type incandescent portable lamps sold without shades	9	X	X	71 773	17	X	X	20 156
3351213161	Residential-type fluorescent portable lamps	8	X	X	34 682	6	X	X	19 753
3351213165	Paper or textile lamp shades	38	X	X	72 336	52	X	X	82 157
3351213169	Residential-type plastic lampshades for portable lighting fixtures	8	X	X	5 712	N	X	X	N
3351213171	Parts and accessories for residential-type portable lighting fixtures	17	X	X	25 333	13	X	X	32 924
3351213Y	Residential-type portable lighting fixtures, including parts and accessories, nsk	N	X	X	31 702	N	X	X	N
3351213YWV	Residential-type portable lighting fixtures, including parts and accessories, nsk	N	X	X	31 702	N	X	X	N
335121W	Residential electric lighting fixture manufacturing, nsk, total	N	X	X	118 116	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
335121	Residential electric lighting fixtures—Con.								
335121W	Residential electric lighting fixture manufacturing, nsk, total—Con.								
335121WY	Residential electric lighting fixture manufacturing, nsk, total	N	X	X	118 116	N	X	X	N
335121WYWW	Residential electric lighting fixture manufacturing, nsk, for nonadministrative-record establishments	N	X	X	60 884	N	X	X	N
335121WYWY	Residential electric lighting fixture manufacturing, nsk, for administrative-record establishments	N	X	X	57 232	N	X	X	N
335122	Commercial, industrial, and institutional electric lighting fixtures	N	X	X	4 252 066	N	X	X	3 046 462
3351221	Commercial and institutional-type electric lighting fixtures, including parts and accessories @	N	X	X	3 295 582	N	X	X	2 431 563
33512210	Commercial and institutional-type electric lighting fixtures, including parts and accessories	N	X	X	3 295 582	N	X	X	N
3351221000	Commercial and institutional-type electric lighting fixtures, including parts and accessories	211	X	X	3 295 582	199	X	X	2 431 563
3351222	Industrial-type electric lighting fixtures, including parts and accessories @	N	X	X	788 249	N	X	X	467 504
33512220	Industrial-type electric lighting fixtures, including parts and accessories	N	X	X	788 249	N	X	X	N
3351222000	Industrial-type electric lighting fixtures, including parts and accessories	75	X	X	788 249	70	X	X	467 504
335122W	Commercial, industrial, and institutional electric lighting fixtures, nsk, total	N	X	X	168 235	N	X	X	147 395
335122WY	Commercial, industrial, and institutional electric lighting fixtures, nsk, total	N	X	X	168 235	N	X	X	N
335122WYWW	Commercial, industrial, and institutional electric lighting fixtures, nsk, for nonadministrative-record establishments	N	X	X	62 028	N	X	X	112 286
335122WYWY	Commercial, industrial, and institutional electric lighting fixtures, nsk, for administrative-record establishments	N	X	X	106 207	N	X	X	35 109
335129	Lighting equipment, nec	N	X	X	2 882 575	N	X	X	N
3351291	Outdoor lighting equipment (including parts and accessories) @	N	X	X	1 691 291	N	X	X	1 134 693
33512910	Outdoor lighting equipment (including parts and accessories)	N	X	X	1 691 291	N	X	X	N
3351291000	Outdoor lighting equipment (including parts and accessories)	95	X	X	1 691 291	110	X	X	1 134 693
3351293	Electric and nonelectric lighting equipment, nec, including hand portable, parts, and accessories	N	X	X	1 065 954	N	X	X	N
33512931	Electric and nonelectric lighting equipment, nec, including hand portable, parts and accessories	N	X	X	1 032 981	N	X	X	N
3351293109	Rechargeable battery-operated incandescent hand portable lighting equipment, excluding parts and accessories	9	X	X	43 278	8	X	X	34 112
3351293112	Incandescent hand portable flashlights and flashlight lanterns, other than rechargeable battery-operated	24	X	X	393 759	20	X	X	267 310
3351293114	Other incandescent hand portable lighting equipment, other than rechargeable battery-operated, such as miners' lights, emergency warning lights, generator flashlights, etc.	6	X	X	10 237	13	X	X	23 595
3351293116	Other incandescent electric lighting equipment (including marine markers or beacons)	20	X	X	71 229	19	X	X	35 627
3351293118	Other fluorescent lighting equipment, complete units, including processing and technical equipment	27	X	X	127 736	24	X	X	124 517
3351293122	Other electric lighting equipment such as mercury vapor (other than street and highway lighting equipment) sodium vapor (excluding signs) ultraviolet and infrared health lamp fixtures	32	X	X	164 883	N	X	X	N
3351293124	Parts and accessories for other electric lighting fixtures, nec	22	X	X	107 921	14	X	X	24 472

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
335129	Lighting equipment, nec—Con.								
3351293	Electric and nonelectric lighting equipment, nec, including hand portable, parts, and accessories—Con.								
33512931	Electric and nonelectric lighting equipment, nec, including hand portable, parts and accessories—Con.								
3351293126	Nonelectric lighting fixtures and equipment, complete units (including lamps and lanterns - kerosene, gasoline, propane, butane, etc., and carbide lamps of all types)	7	X	X	82 488	N	X	X	N
3351293131	Parts and accessories for nonelectric lighting equipment, including reflectors and fittings, incandescent mantles, etc.)	13	X	X	31 450	15	X	X	21 821
3351293Y	Electric and nonelectric lighting equipment, nec, including hand portable, parts and accessories, nsk	N	X	X	32 973	N	X	X	N
3351293YWV	Electric and nonelectric lighting equipment, nec, including hand portable, parts and accessories, nsk	N	X	X	32 973	N	X	X	N
335129W	Lighting equipment, nec, nsk, total	N	X	X	125 330	N	X	X	N
335129WY	Lighting equipment, nec, nsk, total	N	X	X	125 330	N	X	X	N
335129WYWW	Lighting equipment, nec, nsk, for nonadministrative-record establishments	N	X	X	54 055	N	X	X	N
335129WYWY	Lighting equipment, nec, nsk, for administrative-record establishments	N	X	X	71 275	N	X	X	N
335211	Electric housewares and household fans	N	X	X	2 640 941	N	X	X	N
3352111	Electric fans, except industrial-type @	N	X	X	874 427	N	X	X	498 779
33521110	Electric fans, except industrial-type	N	X	X	874 427	N	X	X	N
3352111000	Electric fans, except industrial-type	18	X	X	874 427	25	X	X	498 779
3352113	Small electric household appliances, except fans and wall and baseboard heating units for permanent installation @	N	X	X	1 507 079	N	X	X	N
33521130	Small electric household appliances, except fans and wall and baseboard heating units for permanent installation	N	X	X	1 507 079	N	X	X	N
3352113000	Small electric household appliances, except fans and wall and baseboard heating units for permanent installation	47	X	X	1 507 079	N	X	X	N
3352115	Parts and attachments for small household electric appliances @	N	X	X	120 636	N	X	X	N
33521150	Parts and attachments for small household electric appliances	N	X	X	120 636	N	X	X	N
3352115010	Parts and attachments for household electric fans	2	X	X	D	9	X	X	19 962
3352115090	Parts for other small household electric appliances	14	X	X	D	N	X	X	N
3352115Y	Parts and attachments for small household electric appliances, nsk	N	X	X	—	N	X	X	N
3352115YWV	Parts and attachments for small household electric appliances, nsk	N	X	X	—	N	X	X	N
335211W	Electric housewares and fans, nsk, total	N	X	X	138 799	N	X	X	N
335211WY	Electric housewares and fans, nsk, total	N	X	X	138 799	N	X	X	N
335211WYWW	Electric housewares and fans, nsk, for nonadministrative-record establishments	N	X	X	110 464	N	X	X	N
335211WYWY	Electric housewares and fans, nsk, for administrative-record establishments	N	X	X	28 335	N	X	X	N
335212	Household vacuum cleaners	N	X	X	2 313 782	N	X	X	N
3352121	Household vacuum cleaners	N	X	X	D	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
335212	Household vacuum cleaners—Con.								
3352121	Household vacuum cleaners—Con.								
33521211	Household vacuum cleaners, including parts and attachments	N	X	X	D	N	X	X	N
3352121101	Household vacuum cleaners, complete power units, central system type	9	X	X	174 927	6	X	X	23 065
3352121103	Household vacuum cleaners, hand type	5	X	X	95 602	6	X	X	169 389
3352121105	Household vacuum cleaners, upright-stick type	6	X	X	1 030 321	8	X	X	950 552
3352121107	Other household vacuum cleaners, general purpose types, including utility and canister tank types	10	X	X	574 188	N	X	X	N
3352121111	Attachments and cleaning tools for household vacuum cleaners, including central system attachments	8	X	X	111 251	9	X	X	83 428
3352121113	Parts for household type vacuum cleaners, including central system parts	11	X	X	D	14	X	X	124 914
3352121Y	Household vacuum cleaners, upright-stick type, including parts, nsk	N	X	X	—	N	X	X	N
3352121YVV	Household vacuum cleaners, upright-stick type, including parts, nsk	N	X	X	—	N	X	X	N
3352122	Floor waxing and floor polishing machines and parts	N	X	X	D	N	X	X	N
33521222	Floor waxing and floor polishing machines, including parts	N	X	X	D	N	X	X	N
3352122211	Parts for floor waxing and floor polishing machines	—	X	X	—	N	X	X	N
3352122219	Floor waxing and floor polishing machines	3	X	X	D	N	X	X	N
3352122Y	Floor waxing and floor polishing machines and parts, nsk	N	X	X	—	N	X	X	N
3352122YVV	Floor waxing and floor polishing machines and parts, nsk	N	X	X	—	N	X	X	N
335212W	Household vacuum cleaners, including parts and attachments	N	X	X	D	N	X	X	N
335212WY	Household vacuum cleaners, including parts and attachments, nsk, total	N	X	X	1 470	N	X	X	N
335212WYVV	All other industrial machinery manufacturing, nsk, for nonadministrative-record establishments	N	X	X	1 470	N	X	X	N
335212WYWY	Household vacuum cleaners, nsk, for administrative-record establishments	N	X	X	—	N	X	X	N
335221	Household ranges and cooking appliances	N	X	X	3 632 666	N	X	X	3 006 785
3352211	Electric household cooking equipment, including microwave, ranges, ovens, surface cooking units and equipment @	N	X	X	1 829 108	N	X	X	1 609 437
33522111	Electric household ranges, ovens, surface cooking units, and equipment	N	X	X	1 747 638	N	X	X	N
3352211110	Electric household ranges, ovens, surface cooking units, and equipment	22	X	X	1 747 638	14	X	X	1 490 238
33522112	Parts and accessories for electric household ranges and ovens, such as burners, rotisseries, oven racks, broiler pans, etc., sold separately	N	X	X	81 470	N	X	X	N
3352211290	Parts and accessories for electric household ranges and ovens, such as burners, rotisseries, oven racks, broiler pans, etc., sold separately	14	X	X	81 470	14	X	X	119 199
3352211Y	Electric, including microwave, household ranges, ovens, surface cooking units, nsk	N	X	X	—	N	X	X	N
3352211YVV	Electric, including microwave, household ranges, ovens, surface cooking units, nsk	N	X	X	—	N	X	X	—

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335221	Household ranges and cooking appliances—Con.								
3352213	Gas household ranges, ovens, surface cooking units, and equipment, including parts and accessories @	N	X	X	868 329	N	X	X	613 803
33522131	Gas household ranges, ovens, surface cooking units, and equipment	N	X	X	868 329	N	X	X	N
3352213110	Gas household ranges, ovens, surface cooking units, and equipment	17	X	X	836 145	12	X	X	581 941
3352213190	Parts and accessories for gas household ranges and ovens, such as burners, rotisseries, oven racks, broiler	11	X	X	32 184	12	X	X	31 862
3352213Y	Gas household ranges, ovens, surface cooking units, and equipment, nsk	N	X	X	—	N	X	X	N
3352213YWW	Gas household ranges, ovens, surface cooking units, and equipment, nsk	N	X	X	—	N	X	X	—
3352215	Other household ranges and cooking equipment @	N	X	X	924 725	N	X	X	763 262
33522151	Other household ranges and cooking equipment	N	X	X	924 725	N	X	X	N
3352215110	Other household ranges and cooking equipment (except gas and electric), and outdoor cooking equipment	39	X	X	774 861	27	X	X	682 383
3352215190	Parts and accessories for outdoor and other cooking equipment, sold separately	19	X	X	149 864	19	X	X	80 879
3352215Y	Other household ranges and cooking equipment, nsk	N	X	X	—	N	X	X	N
3352215YWW	Other household ranges and cooking equipment, nsk	N	X	X	—	N	X	X	—
335221W	Household cooking equipment, nsk, total	N	X	X	10 504	N	X	X	20 283
335221WY	Household cooking equipment, nsk, total	N	X	X	10 504	N	X	X	N
335221WYWW	Household cooking equipment, nsk, for nonadministrative-record establishments	N	X	X	8 766	N	X	X	7 783
335221WYWY	Household cooking equipment, nsk, for administrative-record establishments	N	X	X	1 738	N	X	X	12 500
335222	Household refrigerators, freezers, parts and attachments	N	X	X	4 828 356	N	X	X	4 047 620
3352221	Household refrigerators, including combination refrigerator-freezers @	N	X	X	4 430 327	N	X	X	N
33522210	Household refrigerators, including combination refrigerator-freezers	N	X	X	4 430 327	N	X	X	N
3352221000	Household refrigerators, including combination refrigerator-freezers	19	X	X	4 430 327	17	X	X	N
3352222	Food freezers, complete units, household-type @	N	X	X	330 920	N	X	X	N
33522220	Food freezers, complete units, household-type	N	X	X	330 920	N	X	X	N
3352222000	Food freezers, complete units, household-type	7	X	X	330 920	8	X	X	N
3352223	Parts and attachments for household refrigerators and freezers (excluding compressors, condensing units, and ice making machines)	N	X	X	61 927	N	X	X	77 528
33522230	Parts and attachments for household refrigerators and freezers (excluding compressors, condensing units, and ice making machines)	N	X	X	61 927	N	X	X	N
3352223000	Parts and attachments for household refrigerators and freezers (excluding compressors, condensing units, and ice making machines)	11	X	X	61 927	18	X	X	77 528
335222W	Household refrigerators and freezers, nsk, total	N	X	X	5 182	N	X	X	16 908
335222WY	Household refrigerators and freezers, nsk, total	N	X	X	5 182	N	X	X	N
335222WYWW	Household refrigerators and freezers, nsk, for nonadministrative-record establishments	N	X	X	—	N	X	X	7 860
335222WYWY	Household refrigerators and freezers, nsk, for administrative-record establishments	N	X	X	5 182	N	X	X	9 048

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		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
335224	Household laundry equipment	N	X	X	3 710 478	N	X	X	2 995 032
3352240	Household laundry machines, including both coin- and noncoin-operated washing machines, dryers, combinations and parts @	N	X	X	3 710 478	N	X	X	2 995 032
33522401	Household laundry machines, including both coin- and noncoin-operated washing machines, dryers, combinations and parts	N	X	X	3 710 478	N	X	X	N
3352240110	Household laundry machines, including both coin- and noncoin-operated washing machines, dryers, and combinations	6	X	X	3 439 588	6	X	X	2 845 367
3352240190	Parts, accessories, and attachments for household laundry equipment, sold separately	13	X	X	270 890	12	X	X	142 526
3352240Y	Household laundry equipment, nsk	N	X	X	—	N	X	X	N
3352240YWW	Household laundry equipment, nsk, for nonadministrative-record establishments	N	X	X	—	N	X	X	N
3352240YWY	Household laundry equipment, nsk, for administrative-record establishments	N	X	X	—	N	X	X	N
335228	Other major household appliances	N	X	X	2 898 327	N	X	X	N
3352281	Household water heaters, electric, for permanent installation @	N	X	X	548 477	N	X	X	432 601
33522810	Household water heaters, electric, for permanent installation	N	X	X	548 477	N	X	X	N
3352281000	Household water heaters, electric, for permanent installation	16	X	X	548 477	15	X	X	432 601
3352283	Household water heaters, except electric @	N	X	X	756 280	N	X	X	568 441
33522830	Household water heaters, except electric	N	X	X	756 280	N	X	X	N
3352283000	Household water heaters, except electric	13	X	X	756 280	12	X	X	568 441
3352285	Household appliances and parts, nec @	N	X	X	1 590 977	N	X	X	N
33522851	Household dishwashing machines, food waste disposers and trash compactors, and other major household appliances, nec (excluding parts)	N	X	X	1 590 977	N	X	X	N
3352285110	Household dishwashing machines, food waste disposers and trash compactors, and other major household appliances, nec (excluding parts)	15	X	X	1 543 365	N	X	X	N
3352285190	Parts for household dishwashing machines, food waste disposers and trash compactors, and other major household appliances, nec (excluding parts)	10	X	X	47 612	N	X	X	N
3352285Y	Household appliances, nec, and parts for household appliances, nec, nsk	N	X	X	—	N	X	X	N
3352285YVV	Household appliances, nec, and parts for household appliances, nec, nsk	N	X	X	—	N	X	X	N
335228W	Household appliances, nec, nsk, total	N	X	X	2 593	N	X	X	N
335228WY	Household appliances, nec, nsk, total	N	X	X	2 593	N	X	X	N
335228WYWW	Household appliances, nec, nsk, for nonadministrative-record establishments	N	X	X	1 146	N	X	X	N
335228WYWY	Household appliances, nec, nsk, for administrative-record establishments	N	X	X	1 447	N	X	X	N
335311	Power, distribution, and specialty transformers	N	X	X	4 683 558	N	X	X	N
3353111	Power and distribution transformers, except parts	N	X	X	2 220 179	N	X	X	2 157 439
33531111	Distribution transformers, except parts, overhead type, single-phase, liquid-immersed; 500 kVA and smaller (excluding general-purpose)	N	X	X	521 083	N	X	X	N
3353111101	Distribution transformers, except parts, overhead type, single-phase, liquid-immersed; 500 kVA and smaller (excluding general-purpose)	18	X	X	521 083	18	X	X	463 202

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
335311	Power, distribution, and specialty transformers—Con.								
3353111	Power and distribution transformers, except parts—Con.								
33531112	Distribution transformers, except parts, compartmentalized pad-mounted, single-phase, liquid-immersed; 500 kVA and smaller (excluding general-purpose)	N	X	X	230 351	N	X	X	N
3353111204	Distribution transformers, compartmentalized pad-mounted, single-phase, liquid-immersed; 500 kVA and smaller (excluding general-purpose and parts)	13	X	X	230 351	15	X	X	215 802
33531113	Other distribution transformers, except parts, including network transformers, single-phase, and liquid-immersed (all voltages) (excluding general-purpose)	N	X	X	328 335	N	X	X	N
3353111307	Distribution transformers, except parts, subsurface and subway types, single-phase, liquid-immersed; 500 kVA and smaller (excluding general-purpose)	4	X	X	14 944	6	X	X	15 540
3353111311	Distribution three-phase transformers, except parts, 500 kVA and smaller, liquid-immersed (all voltages) (excluding general-purpose)	15	X	X	184 808	16	X	X	136 493
3353111313	Distribution network transformers, except parts, all ratings, excluding network protectors (excluding general-purpose)	4	X	X	D	6	X	X	39 922
3353111316	Distribution transformers, except parts, single-phase and three-phase, pad-mounted (dry); 500 kVA and smaller (excluding general-purpose)	9	X	X	D	10	X	X	D
33531114	Small conventional and power transformers; single- and three-phase (all voltages); primary and secondary unit substations	N	X	X	683 934	N	X	X	N
3353111419	Small power transformers, single- and three-phase, all voltages, compartmentalized pad-mounted and subsurface underground and conventional subway type 501 kVA through 2500 kVA liquid-immersed	12	X	X	288 745	16	X	X	75 964
3353111422	Small conventional transformers and autotransformers, single- and three-phase, all voltages, primary unit substation and single circuit unit substations 501 kVA through 2500 kVA liquid-immersed	9	X	X	80 914	13	X	X	D
3353111425	Small power transformers, single- and three-phase, all voltages, liquid-immersed conventionals, primary unit and single circuit unit substations, 2501 kVA through 10,000 kVA, liquid and nonliquid	14	X	X	108 202	14	X	X	106 984
3353111428	Dry-type small power transformers, conventional, primary unit substation, and core and coil units, single- and three-phase, all voltages	10	X	X	93 125	21	X	X	96 656
3353111431	Secondary unit substation power transformers, liquid-immersed, all kVA ratings	5	X	X	65 617	6	X	X	D
3353111434	Secondary unit substation power transformers, dry-type, all kVA ratings	6	X	X	47 331	8	X	X	57 844
33531115	Large liquid-immersed power transformers with and without load-tap-changing	N	X	X	398 727	N	X	X	N
3353111537	Large power transformers with load-tap-changing, 10,001 kVA, OA to 30,000 kVA, OA (50,000 kVA, top FOA), liquid-immersed	7	X	X	152 792	11	X	X	189 587
3353111541	Large power transformers without load-tap-changing, 10,001 kVA, OA to 30,000 kVA, OA (50,000 kVA, top FOA), liquid-immersed	8	X	X	D	9	X	X	84 641
3353111543	Large liquid-immersed power transformers with load-tap-changing, 30,001 kVA, OA (50,000 kVA, top FOA) to 100,000 kVA, OA (167,000 kVA, top FOA)	4	X	X	22 849	7	X	X	65 733
3353111546	Large liquid-immersed power transformers without load-tap-changing, 30,001 kVA, OA (50,001 kVA, top FOA) to 100,000 kVA, OA (167,000 kVA, top FOA)	5	X	X	24 795	5	X	X	66 572

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
335311	Power, distribution, and specialty transformers—Con.								
3353111	Power and distribution transformers, except parts—Con.								
33531115	Large liquid-immersed power transformers with and without load-tap-changing—Con.								
3353111549	Large liquid-immersed power transformers with load-tap-changing, 100,001 kVA, OA (167,001 kVA, top FOA) and larger	2	X	X	D	4	X	X	56 852
3353111552	Large liquid-immersed power transformers without load-tap-changing, 100,001 kVA, OA (167,001 kVA, top FOA) and larger	2	X	X	D	5	X	X	153 287
3353111Y	Power and distribution transformers, except parts, nsk	N	X	X	57 749	N	X	X	N
3353111YWV	Power and distribution transformers, except parts, nsk	N	X	X	57 749	N	X	X	16 925
3353113	Specialty transformers, except fluorescent lamp ballasts	N	X	X	511 903	N	X	X	N
33531131	Specialty transformers, except fluorescent lamp ballast	N	X	X	509 436	N	X	X	N
3353113101	Open core and coil units, excluding machine tool control transformers and all units end-bell enclosed (250 VA and under)	18	X	X	77 896	14	X	X	29 492
3353113104	Machine tool control transformers	15	X	X	D	14	X	X	28 127
3353113107	Transformers for arc welders	2	X	X	D	N	X	X	N
3353113109	Indoor and outdoor current instrument transformers	12	X	X	45 550	10	X	X	51 254
3353113113	Indoor and outdoor voltage instrument transformers	6	X	X	18 441	10	X	X	34 791
3353113115	High intensity discharge lamp transformers, also known as ballasts	7	X	X	181 056	6	X	X	N
3353113116	All other specialty transformers (including luminous tube transformers and ignition transformers but excluding internal combustion engine ignition)	19	X	X	128 138	18	X	X	N
3353113Y	Specialty transformers, except fluorescent lamp ballast, nsk	N	X	X	2 467	N	X	X	N
3353113YWV	Specialty transformers, except fluorescent lamp ballast, nsk	N	X	X	2 467	N	X	X	N
3353115	Fluorescent lamp ballasts @	N	X	X	968 909	N	X	X	794 969
33531150	Fluorescent lamp ballasts	N	X	X	968 909	N	X	X	N
3353115000	Fluorescent lamp ballasts	17	X	X	968 909	15	X	X	794 969
3353117	Commercial, institutional, and industrial general-purpose transformers, all voltages #	N	X	X	303 791	N	X	X	271 530
33531171	Commercial, institutional, and industrial general-purpose transformers, all voltages	N	X	X	289 378	N	X	X	N
3353117101	Commercial, institutional, and industrial general-purpose transformers, single- and three-phase, 3 kVA and below, all voltages	22	X	X	140 871	21	X	X	58 843
3353117104	Commercial, institutional, and industrial general-purpose transformers, single- and three-phase, 3.01 kVA through 15 kVA, all voltages	15	X	X	23 477	14	X	X	25 802
3353117107	Commercial, institutional, and industrial general-purpose transformers, single- and three-phase, 15.01 kVA through 100 kVA, all voltages	15	X	X	42 056	16	X	X	43 434
3353117111	Commercial, institutional, and industrial general-purpose transformers, single- and three-phase, 100.01 kVA and above, all voltages	12	X	X	25 322	17	X	X	23 074
3353117113	Other commercial, institutional, and industrial general-purpose transformers, including saturable core reactors and voltage regulating transformers	18	X	X	57 652	N	X	X	N
3353117Y	Commercial, institutional, and industrial general-purpose transformers, all voltages, nsk	N	X	X	14 413	N	X	X	N
3353117YWV	Commercial, institutional, and industrial general-purpose transformers, all voltages, nsk	N	X	X	14 413	N	X	X	16 475

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
335311	Power, distribution, and specialty transformers—Con.								
3353119	Power regulators, boosters, and other transformers and parts for all transformers #	N	X	X	514 466	N	X	X	312 710
33531191	Power regulators, boosters, and other transformers and parts for all transformers	N	X	X	476 972	N	X	X	N
3353119101	Transmission and distribution voltage regulators, boosters, and other special-purpose transformers	35	X	X	320 662	15	X	X	141 496
3353119104	Parts, including renewal and repair parts, subassemblies and accessories for all transformers	20	X	X	156 310	14	X	X	132 163
3353119Y	Power regulators, boosters, and other transformers and parts for all transformers, nsk	N	X	X	37 494	N	X	X	N
3353119YWV	Power regulators, boosters, and other transformers and parts for all transformers, nsk	N	X	X	37 494	N	X	X	39 051
335311W	Transformers, except electronic, nsk, total	N	X	X	164 310	N	X	X	N
335311WY	Transformers, except electronic, nsk, total	N	X	X	164 310	N	X	X	N
335311WYWW	Transformers, except electronic, nsk, for nonadministrative-record establishments	N	X	X	74 443	N	X	X	N
335311WYWY	Transformers, except electronic, nsk, for administrative-record establishments	N	X	X	89 867	N	X	X	N
335312	Motors and generators	N	X	X	11 911 618	N	X	X	N
3353121	Fractional horsepower motors (rated at less than 746 watts) (excluding hermetics) @	N	X	X	5 178 561	N	X	X	4 020 575
33531210	Fractional horsepower motors (rated at less than 746 watts) (excluding hermetics)	N	X	X	5 178 561	N	X	X	N
3353121000	Fractional horsepower motors (rated at less than 746 watts) (excluding hermetics)	107	X	X	5 178 561	110	X	X	4 020 575
3353123	Integral horsepower motors and generators other than for land transportation equipment (rated at 746 watts or more) @	N	X	X	2 245 671	N	X	X	1 692 083
33531230	Integral horsepower motors and generators other than for land transportation equipment (rated at 746 watts or more)	N	X	X	2 245 671	N	X	X	N
3353123000	Integral horsepower motors and generators other than for land transportation equipment (rated at 746 watts or more)	70	X	X	2 245 671	60	X	X	1 692 083
3353125	Land transportation motors, generators, and control equipment, excluding parts @	N	X	X	332 612	N	X	X	188 386
33531250	Land transportation motors, generators, and control equipment, excluding parts	N	X	X	332 612	N	X	X	N
3353125000	Land transportation motors, generators, and control equipment, excluding parts	19	X	X	332 612	13	X	X	188 386
3353127	Prime mover generator sets, except steam or hydraulic turbine @	N	X	X	1 648 488	N	X	X	1 157 198
33531270	Prime mover generator sets, except steam or hydraulic turbine	N	X	X	1 648 488	N	X	X	N
3353127000	Prime mover generator sets, except steam or hydraulic turbine	19	X	X	1 648 488	30	X	X	1 157 198
3353129	Fractional motor generator sets and other rotating equipment, including hermetics @	N	X	X	502 708	N	X	X	361 581
33531290	Fractional motor generator sets and other rotating equipment, including hermetics	N	X	X	502 708	N	X	X	N
3353129000	Fractional motor generator sets and other rotating equipment, including hermetics	28	X	X	502 708	24	X	X	361 581

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
335312	Motors and generators—Con.								
335312A	Integral motor generator sets and other rotating equipment, including hermetics @	N	X	X	618 360	N	X	X	443 108
335312A0	Integral motor generator sets and other rotating equipment, including hermetics	N	X	X	618 360	N	X	X	N
335312A000	Integral motor generator sets and other rotating equipment, including hermetics	43	X	X	618 360	28	X	X	443 108
335312C	Parts, supplies for motors, generators, generator sets, and other rotating equipment, excluding motors for built-in jobs @	N	X	X	679 835	N	X	X	606 662
335312C0	Parts, supplies for motors, generators, generator sets, and other rotating equipment, excluding motors for built-in jobs	N	X	X	679 835	N	X	X	N
335312C000	Parts, supplies for motors, generators, generator sets, and other rotating equipment, excluding motors for built-in jobs	109	X	X	679 835	102	X	X	606 662
335312E	Armature rewinding on a factory basis (excluding custom repair shop rewinding)	N	X	X	113 707	N	X	X	N
335312E1	Armature rewinding on a factory basis	N	X	X	113 707	N	X	X	N
335312E100	Armature rewinding on a factory basis	26	X	X	113 707	N	X	X	N
335312W	Motors and generators, nsk, total	N	X	X	591 676	N	X	X	N
335312WY	Motors and generators, nsk, total	N	X	X	591 676	N	X	X	N
335312WYWW	Motors and generators, nsk, for nonadministrative-record establishments	N	X	X	387 713	N	X	X	N
335312WYWY	Motors and generators, nsk, for administrative-record establishments	N	X	X	203 963	N	X	X	N
335313	Switchgear and switchboard apparatus	N	X	X	7 353 591	N	X	X	5 469 166
3353131	Power circuit breakers, all voltages @	N	X	X	532 302	N	X	X	455 463
33531310	Power circuit breakers, all voltages	N	X	X	532 302	N	X	X	N
3353131000	Power circuit breakers, all voltages	46	X	X	532 302	42	X	X	455 463
3353133	Low voltage panelboards and distribution boards and other switching and interrupting devices, 1000 volts or less @	N	X	X	2 331 111	N	X	X	1 605 171
33531330	Low voltage panelboards and distribution boards and other switching and interrupting devices, 1000 volts or less	N	X	X	2 331 111	N	X	X	N
3353133000	Low voltage panelboards and distribution boards and other switching and interrupting devices, 1000 volts or less	139	X	X	2 331 111	156	X	X	1 605 171
3353135	Fuses and fuse equipment, less than 2300 volts, except power distribution cut-outs @	N	X	X	562 221	N	X	X	425 478
33531350	Fuses and fuse equipment, less than 2300 volts, except power distribution cut-outs	N	X	X	562 221	N	X	X	N
3353135000	Fuses and fuse equipment, less than 2300 volts, except power distribution cut-outs	29	X	X	562 221	27	X	X	425 478
3353137	Molded case circuit breakers, 1000 volts or less @	N	X	X	1 294 712	N	X	X	1 021 718
33531370	Molded case circuit breakers, 1000 volts or less	N	X	X	1 294 712	N	X	X	N
3353137000	Molded case circuit breakers, 1000 volts or less	24	X	X	1 294 712	19	X	X	1 021 718
3353139	Duct, including plug-in units and accessories, 1000 volts or less @	N	X	X	291 157	N	X	X	186 820
33531390	Duct, including plug-in units and accessories, 1000 volts or less	N	X	X	291 157	N	X	X	N
3353139000	Duct, including plug-in units and accessories, 1000 volts or less	20	X	X	291 157	16	X	X	186 820
335313A	Switchgear, except ducts and relays @	N	X	X	1 956 370	N	X	X	1 583 300
335313A0	Switchgear, except ducts and relays	N	X	X	1 956 370	N	X	X	N
335313A000	Switchgear, except ducts and relays	129	X	X	1 956 370	123	X	X	1 583 300

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
335313	Switchgear and switchboard apparatus—Con.								
335313W	Switchgear and switchboard apparatus, nsk, total	N	X	X	385 718	N	X	X	191 216
335313WY	Switchgear and switchboard apparatus, nsk, total	N	X	X	385 718	N	X	X	N
335313WYWW	Switchgear and switchboard apparatus, nsk, for nonadministrative-record establishments	N	X	X	144 856	N	X	X	134 323
335313WYWY	Switchgear and switchboard apparatus, nsk, for administrative-record establishments	N	X	X	240 862	N	X	X	56 893
335314	Relays and industrial controls	N	X	X	10 915 290	N	X	X	7 273 594
3353141	Relays for electronic circuitry, industrial control, overload, and switchgear type @	N	X	X	971 104	N	X	X	843 179
33531410	Relays for electronic circuitry, industrial control, overload, and switchgear type	N	X	X	971 104	N	X	X	N
3353141000	Relays for electronic circuitry, industrial control, overload, and switchgear type	135	X	X	971 104	141	X	X	843 179
3353143	Specific-purpose industrial controls @	N	X	X	3 772 940	N	X	X	2 306 334
33531430	Specific-purpose industrial controls	N	X	X	3 772 940	N	X	X	N
3353143000	Specific-purpose industrial controls	389	X	X	3 772 940	353	X	X	2 306 334
3353145	General-purpose industrial controls @	N	X	X	4 776 653	N	X	X	3 018 955
33531450	General-purpose industrial controls	N	X	X	4 776 653	N	X	X	N
3353145000	General-purpose industrial controls	236	X	X	4 776 653	244	X	X	3 018 955
3353147	Parts for industrial controls and motor-control accessories @	N	X	X	640 320	N	X	X	497 043
33531470	Parts for industrial controls and motor-control accessories	N	X	X	640 320	N	X	X	N
3353147000	Parts for industrial controls and motor-control accessories	146	X	X	640 320	117	X	X	497 043
335314W	Relays and industrial controls, nsk, total	N	X	X	754 273	N	X	X	608 083
335314WY	Relays and industrial controls, nsk, total	N	X	X	754 273	N	X	X	N
335314WYWW	Relays and industrial controls, nsk, for nonadministrative-record establishments	N	X	X	498 755	N	X	X	429 330
335314WYWY	Relays and industrial controls, nsk, for administrative-record establishments	N	X	X	255 518	N	X	X	178 753
335911	Storage batteries	N	X	X	4 290 400	N	X	X	3 264 956
3359111	Storage batteries, lead acid type, Battery Council International dimensional size group 8D (1.5 cu ft or .042 cu m and smaller)	N	X	X	2 857 009	N	X	X	2 201 519
33591111	Starting, lighting, and ignition (SLI) type lead acid storage batteries for original equipment, BCI dimensional size group 8D (1.5 cu ft or .042 cu m and smaller)	N	X	X	D	N	X	X	N
3359111101	Starting, lighting, and ignition (SLI) type lead acid storage batteries for original equipment, BCI dimensional size group 8D (1.5 cu ft or .042 cu m and smaller)	15	X	X	D	12	X	X	403 225
33591112	Starting, lighting, and ignition (SLI) type lead acid storage batteries for replacement, BCI dimensional size group 8D (1.5 cu ft or .042 cu m and smaller)	N	X	X	1 918 990	N	X	X	N
3359111204	Starting, lighting, and ignition (SLI) type lead acid storage batteries for replacement, BCI dimensional size group 8D (1.5 cu ft or .042 cu m and smaller)	18	X	X	1 918 990	21	X	X	1 764 188
33591113	Lead acid storage batteries other than (SLI) type, BCI dimensional size group 8D (1.5 cu ft or .042 cu m and smaller)	N	X	X	D	N	X	X	N
3359111307	Lead acid storage batteries other than (SLI) type, BCI dimensional size group 8D (1.5 cu ft or .042 cu m and smaller)	5	X	X	D	3	X	X	9 387
3359111Y	Storage batteries, lead acid type, BCI dimensional size group 8D (1.5 cu ft or .042 cu m and smaller), nsk	N	X	X	19 082	N	X	X	N
3359111YWV	Storage batteries, lead acid type, BCI dimensional size group 8d (1.5 cu ft or .042 cu m and smaller), nsk	N	X	X	19 082	N	X	X	24 719

Table 1. Products Statistics: 1997 and 1992—Con.

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NAICS product code	Product	1997				1992			
		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
335911	Storage batteries—Con.								
3359114	Storage batteries, lead acid type, larger than Battery Council International dimensional size group 8D (1.5 cu ft or .042 cu m and smaller)	N	X	X	946 840	N	X	X	578 482
33591141	Motive power type lead acid storage batteries, larger than BCI dimensional size group 8D (1.5 cu ft or .042 cu m), including mining and industrial locomotive	N	X	X	407 401	N	X	X	N
3359114101	Motive power type lead acid storage batteries for industrial trucks, larger than BCI dimensional size group 8D (1.5 cu ft or .042 cu m and smaller)	11	X	X	363 447	12	X	X	175 285
3359114104	All other motive power type lead acid storage batteries, including mining and industrial locomotive, larger than BCI dimensional size group 8D (1.5 cu ft or .042 cu m and smaller)	7	X	X	43 954	7	X	X	56 630
33591142	All other lead acid storage batteries, larger than BCI dimensional size group 8D (1.6 cu ft or .042 cu m)	N	X	X	536 283	N	X	X	N
3359114201	Communication lead acid storage batteries (central office telephone supervisory equipment, telemetering, and microwave), larger than BCI dimensional size group 8D (1.5 cu ft or .042 cu m and smaller)	7	X	X	183 005	6	X	X	92 861
3359114204	Standby emergency power lead acid storage batteries, larger than BCI dimensional size group 8D (1.5 cu ft or .042 cu m and smaller)	9	X	X	257 587	5	X	X	195 400
3359114207	All other lead acid storage batteries, larger than BCI dimensional size group 8D (1.5 cu ft or .042 cu m and smaller), including starting, lighting, and ignition (SLI type)	9	X	X	95 691	4	X	X	45 317
3359114Y	Storage batteries, lead acid type, larger than BCI dimensional size group 8D (1.5 cu ft or .042 cu m), nsk	N	X	X	3 156	N	X	X	N
3359114YWV	Storage batteries, lead acid type, larger than BCI dimensional size group 8D (1.5 cu ft or .042 cu m), nsk	N	X	X	3 156	N	X	X	12 989
3359117	Storage batteries, except lead acid, including parts for all storage batteries	N	X	X	384 917	N	X	X	395 096
33591171	Storage batteries except lead acid	N	X	X	364 805	N	X	X	N
3359117101	Nickel cadmium storage batteries (sealed or vented)	11	X	X	D	12	X	X	343 885
3359117104	Storage batteries other than nickel cadmium or lead acid	5	X	X	D	8	X	X	38 464
33591172	Parts for all storage batteries, excluding cases and containers	N	X	X	D	N	X	X	N
3359117201	Parts for all storage batteries, excluding cases and containers	4	X	X	D	6	X	X	8 183
3359117Y	Storage batteries, except lead acid, including parts for all storage batteries, nsk	N	X	X	5 572	N	X	X	N
3359117YWV	Storage batteries, except lead acid, including parts for all storage batteries, nsk	N	X	X	5 572	N	X	X	4 564
335911W	Storage batteries, nsk, total	N	X	X	101 634	N	X	X	89 859
335911WY	Storage batteries, nsk, total	N	X	X	101 634	N	X	X	N
335911WYWW	Storage batteries, nsk, for nonadministrative-record establishments	N	X	X	71 502	N	X	X	74 071
335911WYWY	Storage batteries, nsk, for administrative-record establishments	N	X	X	30 132	N	X	X	15 788
335912	Primary batteries	N	X	X	2 494 671	N	X	X	1 925 027
3359120	Primary batteries	N	X	X	2 494 671	N	X	X	1 925 027
33591201	Round and prismatic primary battery cells	N	X	X	2 191 191	N	X	X	N
3359120101	Alkaline manganese round and prismatic primary battery cells	6	X	X	1 041 360	N	X	X	N
3359120104	Zinc carbon round and prismatic primary battery cells	4	X	X	D	N	X	X	N
3359120107	Mercuric oxide round and prismatic primary battery cells	2	X	X	D	N	X	X	N
3359120111	Lithium round and prismatic primary battery cells	11	X	X	D	N	X	X	N
3359120114	All other round and prismatic battery cells	7	X	X	D	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
335912	Primary batteries—Con.								
3359120	Primary batteries—Con.								
33591202	Button and coin primary battery cells	N	X	X	152 851	N	X	X	N
3359120201	Silver oxide button and coin primary battery cells	4	X	X	66 104	N	X	X	N
3359120204	Alkaline manganese button and coin primary battery cells	1	X	X	D	N	X	X	N
3359120207	Zinc air button and coin primary battery cells	2	X	X	D	N	X	X	N
3359120211	Lithium button and coin primary battery cells	4	X	X	59 705	N	X	X	N
3359120214	All other button and coin primary battery cells	2	X	X	D	N	X	X	N
33591203	Parts for primary batteries, excluding cases and containers	N	X	X	121 666	N	X	X	N
3359120301	Parts for primary batteries, excluding cases and containers	5	X	X	121 666	10	X	X	91 967
3359120Y	Primary batteries, nsk, total	N	X	X	28 963	N	X	X	N
3359120YWW	Primary batteries, nsk, for nonadministrative-record establishments	N	X	X	16 644	N	X	X	169 201
3359120YWY	Primary batteries, nsk, for administrative-record establishments	N	X	X	12 319	N	X	X	8 757
335921	Fiber optic cable	N	X	X	2 350 081	N	X	X	N
3359210	Fiber optic cable @	N	X	X	2 350 081	N	X	X	N
33592101	Fiber optic cable for communication	N	X	X	1 994 404	N	X	X	N
3359210101	Fiber optic cable for communication (telephone, telegraph, and electronic) made of aluminum in plants that draw wire	6	X	X	182 435	N	X	X	N
3359210106	Fiber optic cable for communication (telephone, telegraph, and electronic) made of copper in plants that draw wire	17	X	X	1 034 341	N	X	X	N
3359210111	Fiber optic cable for communication (telephone, telegraph, and electronic) made of other nonferrous products in plants that draw wire	15	X	X	777 628	N	X	X	N
33592104	Fiber optic cable for all other uses	N	X	X	306 581	N	X	X	N
3359210421	Fiber optic cable for all other uses, made of aluminum in plants that draw wire	3	X	X	130 246	N	X	X	N
3359210426	Fiber optic cable for all other uses, made of copper in plants that draw wire	4	X	X	37 411	N	X	X	N
3359210431	Fiber optic cable for all other uses, made of other nonferrous products in plants that draw wire	9	X	X	138 924	N	X	X	N
3359210Y	Fiber optic cable, nsk, total	N	X	X	49 096	N	X	X	N
3359210YWW	Fiber optic cable, nsk, for nonadministrative-record establishments	N	X	X	49 096	N	X	X	N
3359210YWY	Fiber optic cable, nsk, for administrative-record establishments	N	X	X	—	N	X	X	N
335929	Other communication & energy wire mfg	N	X	X	11 648 783	N	X	X	N
3359291	Power wire and cable, made in plants that draw wire @	N	X	X	1 597 305	N	X	X	1 278 318
33592918	Power wire and cable, made in plants that draw wire	N	X	X	1 597 305	N	X	X	N
3359291800	Power wire and cable, made in plants that draw wire	41	X	X	1 597 305	38	X	X	1 278 318
335929A	Electronic wire and cable, made in plants that draw wire @	N	X	X	3 362 756	N	X	X	1 821 865
335929A1	Electronic wire and cable, made in plants that draw wire	N	X	X	3 362 756	N	X	X	N
335929A100	Electronic wire and cable, made in plants that draw wire	161	X	X	3 362 756	126	X	X	1 821 865
335929B	Telephone and telegraph wire and cable, made in plants that draw wire @	N	X	X	2 013 716	N	X	X	1 532 770
335929B1	Telephone and telegraph wire and cable, made in plants that draw wire	N	X	X	2 013 716	N	X	X	N
335929B100	Telephone and telegraph wire and cable, made in plants that draw wire	29	X	X	2 013 716	29	X	X	1 532 770
335929C	Control and signal wire and cable, made in plants that draw wire @	N	X	X	488 983	N	X	X	394 657
335929C1	Control and signal wire and cable, made in plants that draw wire	N	X	X	488 983	N	X	X	N
335929C100	Control and signal wire and cable, made in plants that draw wire	39	X	X	488 983	45	X	X	394 657

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
335929	Other communication & energy wire mfg—Con.								
335929D	Building wire and cable, made in plants that draw wire @	N	X	X	2 675 449	N	X	X	2 083 061
335929D1	Building wire and cable, made in plants that draw wire	N	X	X	2 675 449	N	X	X	N
335929D100	Building wire and cable, made in plants that draw wire	27	X	X	2 675 449	22	X	X	2 083 061
335929E	Other insulated wire and cable, including automotive, made in plants that draw wire @	N	X	X	1 237 837	N	X	X	645 791
335929E1	Other insulated wire and cable, including automotive, made in plants that draw wire	N	X	X	1 237 837	N	X	X	N
335929E100	Other insulated wire and cable, including automotive, made in plants that draw wire	78	X	X	1 237 837	60	X	X	645 791
335929W	Other communication & energy wire mfg, nsk, total	N	X	X	272 737	N	X	X	N
335929WY	Other communication & energy wire mfg, nsk, total	N	X	X	272 737	N	X	X	N
335929WYWW	Other communication & energy wire mfg, nsk, for nonadministrative-record establishments	N	X	X	272 737	N	X	X	N
335929WYWY	Other communication & energy wire mfg, nsk, for administrative-record establishments	N	X	X	—	N	X	X	N
335931	Current-carrying wiring devices	N	X	X	5 819 728	N	X	X	4 186 075
3359311	Current-carrying lampholders @	N	X	X	194 736	N	X	X	196 788
33593110	Current-carrying lampholders	N	X	X	194 736	N	X	X	N
3359311000	Current-carrying lampholders	24	X	X	194 736	32	X	X	196 788
3359313	Current-carrying general- and special-purpose convenience and power outlets (excluding pin-and-sleeve type) @	N	X	X	460 810	N	X	X	332 568
33593130	Current-carrying general- and special-purpose convenience and power outlets (excluding pin-and-sleeve type)	N	X	X	460 810	N	X	X	N
3359313000	Current-carrying general- and special-purpose convenience and power outlets (excluding pin-and-sleeve type)	19	X	X	460 810	20	X	X	332 568
3359315	Current-carrying switches for electrical circuitry (including vehicular switches) @	N	X	X	1 900 735	N	X	X	1 342 324
33593150	Current-carrying switches for electrical circuitry (including vehicular switches)	N	X	X	1 900 735	N	X	X	N
3359315000	Current-carrying switches for electrical circuitry (including vehicular switches)	123	X	X	1 900 735	123	X	X	1 342 324
3359317	Current-carrying metal contacts, including precious metal	N	X	X	221 032	N	X	X	241 931
33593170	Current-carrying metal contacts, including precious metal	N	X	X	221 032	N	X	X	N
3359317000	Current-carrying metal contacts, including precious metal	24	X	X	221 032	27	X	X	241 931
3359319	Current-carrying wire connectors for electrical circuitry @	N	X	X	1 614 835	N	X	X	1 003 129
33593190	Current-carrying wire connectors for electrical circuitry	N	X	X	1 614 835	N	X	X	N
3359319000	Current-carrying wire connectors for electrical circuitry	87	X	X	1 614 835	101	X	X	1 003 129
335931A	Other current-carrying wiring devices, nec (attachments, plug caps, connector bodies, lightning arrestors, pin-and-sleeve convenience, power outlets, etc.) @	N	X	X	1 185 619	N	X	X	945 246
335931A0	Other current-carrying wiring devices, nec (attachments, plug caps, connector bodies, lightning arrestors, pin-and-sleeve convenience, power outlets, etc.)	N	X	X	1 185 619	N	X	X	N
335931A000	Other current-carrying wiring devices, nec (attachments, plug caps, connector bodies, lightning arrestors, pin-and-sleeve convenience, power outlets, etc.)	115	X	X	1 185 619	148	X	X	945 246

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
335931	Current-carrying wiring devices—Con.								
335931W	Current-carrying wiring devices, nsk, total	N	X	X	241 961	N	X	X	124 089
335931WY	Current-carrying wiring devices, nsk, total	N	X	X	241 961	N	X	X	N
335931WYWW	Current-carrying wiring devices, nsk, for nonadministrative-record establishments	N	X	X	67 351	N	X	X	72 541
335931WYWY	Current-carrying wiring devices, nsk, for administrative-record establishments	N	X	X	174 610	N	X	X	51 548
335932	Noncurrent-carrying wiring devices	N	X	X	4 417 374	N	X	X	3 220 890
3359321	Noncurrent-carrying pole and transmission line hardware @	N	X	X	857 666	N	X	X	586 306
33593210	Noncurrent-carrying pole and transmission line hardware	N	X	X	857 666	N	X	X	N
3359321000	Noncurrent-carrying pole and transmission line hardware	31	X	X	857 666	30	X	X	586 306
3359323	Noncurrent-carrying electrical conduit and conduit fittings, including plastics conduit and conduit fittings @	N	X	X	2 057 217	N	X	X	1 531 424
33593230	Noncurrent-carrying electrical conduit and conduit fittings, including plastics conduit and conduit fittings	N	X	X	2 057 217	N	X	X	N
3359323000	Noncurrent-carrying electrical conduit and conduit fittings, including plastics conduit and conduit fittings	54	X	X	2 057 217	69	X	X	1 531 424
3359325	Other noncurrent-carrying wiring devices and supplies (boxes, covers, bar hangers, etc.) @	N	X	X	1 434 950	N	X	X	1 056 307
33593250	Other noncurrent-carrying wiring devices and supplies (boxes, covers, bar hangers, etc.)	N	X	X	1 434 950	N	X	X	N
3359325000	Other noncurrent-carrying wiring devices and supplies (boxes, covers, bar hangers, etc.)	59	X	X	1 434 950	71	X	X	1 056 307
335932W	Noncurrent-carrying wiring devices, nsk, total	N	X	X	67 541	N	X	X	46 853
335932WY	Noncurrent-carrying wiring devices, nsk, total	N	X	X	67 541	N	X	X	N
335932WYWW	Noncurrent-carrying wiring devices, nsk, for nonadministrative-record establishments	N	X	X	14 385	N	X	X	30 379
335932WYWY	Noncurrent-carrying wiring devices, nsk, for administrative-record establishments	N	X	X	53 156	N	X	X	16 474
335991	Carbon and graphite products	N	X	X	2 202 666	N	X	X	1 226 906
3359911	Carbon and graphite electrodes for electric furnaces and electrolytic cell use	N	X	X	1 032 727	N	X	X	572 278
33599111	Carbon electrodes for electric furnaces and electrolytic cell use	N	X	X	166 094	N	X	X	N
3359911101	Carbon electrodes for electric furnaces and electrolytic cell use	6	X	X	166 094	7	X	X	121 433
33599112	Graphite electrodes for electric furnaces and electrolytic cell use	N	X	X	859 306	N	X	X	N
3359911204	Graphite electrodes for electric furnaces and electrolytic cell use	11	X	X	859 306	6	X	X	435 708
3359911Y	Carbon and graphite electrodes, nsk	N	X	X	7 327	N	X	X	N
3359911YVW	Carbon and graphite electrodes, nsk	N	X	X	7 327	N	X	X	15 137
3359913	All other carbon and graphite products	N	X	X	1 092 155	N	X	X	625 522
33599131	Carbon and graphite brushes, contacts, and brush plates	N	X	X	208 617	N	X	X	N
3359913101	Brushes and contacts (including automotive, fractional horsepower, and industrial brushes)	11	X	X	189 765	N	X	X	N
3359913104	Carbon and graphite brush plates	5	X	X	18 852	5	X	X	28 462
33599132	Carbon and graphite fibers	N	X	X	325 955	N	X	X	N
3359913207	Carbon and graphite fibers	13	X	X	325 955	9	X	X	164 716

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
335991	Carbon and graphite products—Con.								
3359913	All other carbon and graphite products—Con.								
33599133	All other carbon and graphite products, except refractories	N	X	X	557 583	N	X	X	N
3359913311	All other carbon and graphite products, except refractories, for electrical uses, including welding products, illuminating carbons, battery (except silver or other metal contacts)	12	X	X	108 616	12	X	X	70 161
3359913313	All other carbon and graphite products, except refractories, for mechanical uses, rotor vanes, and other uses where motion is between two parts, except metallic oilless bearings	13	X	X	154 370	17	X	X	116 646
3359913316	All other carbon and graphite products, except refractories, for aerospace uses, including unmachined stock and machined items not included elsewhere	5	X	X	D	8	X	X	12 144
3359913319	All other carbon and graphite products, except refractories, for all other uses (including chemical, metallurgical, etc.)	2	X	X	D	9	X	X	45 792
3359913322	All other carbon and graphite products, except refractories, for all other uses (including chemical, metallurgical, etc.)	16	X	X	230 529	14	X	X	62 654
3359913Y	All other carbon and graphite products, nsk	N	X	X	—	N	X	X	N
3359913YVW	All other carbon and graphite products, nsk	N	X	X	—	N	X	X	2 259
335991W	Carbon and graphite products, nsk, total	N	X	X	77 784	N	X	X	29 106
335991WY	Carbon and graphite products, nsk, total	N	X	X	77 784	N	X	X	N
335991WYWW	Carbon and graphite products, nsk, for nonadministrative-record establishments	N	X	X	19 901	N	X	X	21 375
335991WYWY	Carbon and graphite products, nsk, for administrative-record establishments	N	X	X	57 883	N	X	X	7 731
335999	Electrical equipment and components, nec	N	X	X	6 760 387	N	X	X	N
3359991	Capacitors for industrial use (except for electronic circuitry)	N	X	X	299 541	N	X	X	231 049
33599911	Capacitors for industrial use (except for electronic circuitry)	N	X	X	299 541	N	X	X	N
3359991101	Shunt and series power capacitors, units, and equipment, one-half kVA or more, and accessories for industrial use (except for electronic circuitry)	13	X	X	224 018	15	X	X	132 141
3359991103	Other capacitors (except electrolytic) including ac, general-purpose for motors, controls, high intensity discharge lighting for industrial use (except for electronic circuitry)	9	X	X	75 523	13	X	X	91 884
3359991Y	Capacitors for industrial use (except for electronic circuitry), nsk	N	X	X	—	N	X	X	N
3359991YVW	Capacitors for industrial use (except for electronic circuitry), nsk	N	X	X	—	N	X	X	7 024
3359993	Rectifying apparatus	N	X	X	1 790 911	N	X	X	1 047 898
33599931	Semiconductor power conversion apparatus, except for electronic circuitry	N	X	X	604 070	N	X	X	N
3359993101	Semiconductor battery chargers, automotive	5	X	X	D	6	X	X	78 361
3359993104	Semiconductor battery chargers, industrial and railroad	11	X	X	159 341	17	X	X	81 266
3359993107	Semiconductor high-voltage power supplies in excess of 2 kV, 100 kW or less	19	X	X	214 778	19	X	X	140 112
3359993111	Semiconductor high-voltage power supplies in excess of 2 kV, more than 100 kW	6	X	X	D	9	X	X	50 916
33599932	All other ac to dc semiconductor power conversion and rectifying apparatus, except for electronic circuitry	N	X	X	1 094 565	N	X	X	N
3359993213	All other ac to dc semiconductor power conversion apparatus, including computer supplies	40	X	X	483 364	47	X	X	201 542
3359993216	Uninterruptible power supply (UPS) systems	18	X	X	142 047	N	X	X	N
3359993219	Other rectifying (power conversion) apparatus, except for electronic circuitry	49	X	X	469 154	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
335999	Electrical equipment and components, nec—Con.								
3359993	Rectifying apparatus—Con.								
3359993Y	Rectifying apparatus, nsk	N	X	X	92 276	N	X	X	N
3359993YVW	Rectifying apparatus, nsk	N	X	X	92 276	N	X	X	32 057
3359995	Other electrical equipment for industrial use, except for electronic circuitry	N	X	X	802 912	N	X	X	N
33599951	Other electrical equipment for industrial use, except for electronic circuitry	N	X	X	795 193	N	X	X	N
3359995101	Electrical coil windings for industrial use	9	X	X	38 998	15	X	X	31 508
3359995104	Solenoids for industrial use (except solenoid-actuated regulating valves)	15	X	X	56 944	16	X	X	49 567
3359995107	Surge suppressors for industrial use	11	X	X	80 943	5	X	X	39 665
3359995111	Cathodic protection equipment for industrial use	4	X	X	30 864	3	X	X	7 323
3359995137	Other miscellaneous electrical equipment for industrial use, nec, including electrical discharge equipment	111	X	X	587 444	N	X	X	N
3359995Y	Other electrical equipment for industrial use, except for electronic circuitry, nsk	N	X	X	7 719	N	X	X	N
3359995YVW	Other electrical equipment for industrial use, except for electronic circuitry, nsk	N	X	X	7 719	N	X	X	N
3359997	Laser generator power supplies and components @	N	X	X	1 076 329	N	X	X	N
33599970	Laser generator power supplies and components	N	X	X	1 076 329	N	X	X	N
3359997000	Laser generator power supplies and components	47	X	X	1 076 329	N	X	X	N
3359999	All other laser systems and equipment	N	X	X	145 221	N	X	X	N
33599991	All other laser systems and equipment	N	X	X	145 221	N	X	X	N
3359999100	All other laser systems and equipment	28	X	X	145 221	N	X	X	N
335999A	Ultrasonic equipment (except medical and dental) @	N	X	X	223 878	N	X	X	131 585
335999A0	Ultrasonic equipment (except medical and dental)	N	X	X	223 878	N	X	X	N
335999A000	Ultrasonic equipment (except medical and dental)	23	X	X	223 878	21	X	X	131 585
335999B	All other apparatus wire and cordage manufactured from purchased insulated wire	N	X	X	348 154	N	X	X	N
335999B1	All other apparatus wire and cordage manufactured from purchased insulated wire	N	X	X	348 154	N	X	X	N
335999B100	All other apparatus wire and cordage manufactured from purchased insulated wire \$	46	X	X	348 154	N	X	X	N
335999C	Electronic systems and equipment, nec, including automatic garage door openers and amplifiers @	N	X	X	1 438 053	N	X	X	1 146 184
335999C0	Electronic systems and equipment, nec, including automatic garage door openers and amplifiers	N	X	X	1 438 053	N	X	X	N
335999C000	Electronic systems and equipment, nec, including automatic garage door openers and amplifiers	130	X	X	1 438 053	148	X	X	1 146 184
335999D	All other miscellaneous electrical equipment and components (except for industrial use), nec	N	X	X	126 019	N	X	X	N
335999D1	Electric gongs, chimes, bells, etc.	N	X	X	38 960	N	X	X	N
335999D101	Electric gongs, chimes, bells, etc.	5	X	X	38 960	8	X	X	47 511
335999D2	Electrical insect killers	N	X	X	D	N	X	X	N
335999D203	Electrical insect killers	7	X	X	D	5	X	X	16 662
335999D3	Electrical door openers, except garage door openers	N	X	X	53 569	N	X	X	N
335999D305	Electrical door openers, except garage door openers	6	X	X	53 569	15	X	X	66 508
335999D4	Electric insect repellent lamps	N	X	X	D	N	X	X	N
335999D407	Electric insect repellent lamps	1	X	X	D	N	X	X	N
335999DY	Electrical products, nec (excluding garage door openers), nsk	N	X	X	11 936	N	X	X	N
335999DYVW	Electrical products, nec (excluding garage door openers), nsk	N	X	X	11 936	N	X	X	N

Table 1. Products Statistics: 1997 and 1992—Con.

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS product code	Product	1997				1992			
		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
335999	Electrical equipment and components, nec—Con.								
335999W	Other electrical equipment and components, nsk, total	N	X	X	509 369	N	X	X	N
335999WY	Other electrical equipment and component manufacturing, nsk, total	N	X	X	509 369	N	X	X	N
335999WYWW	Other electrical equipment and component manufacturing, nsk, for nonadministrative-record establishments	N	X	X	356 743	N	X	X	N
335999WYWY	Other electrical equipment and component manufacturing, nsk, for administrative-record establishments	N	X	X	152 626	N	X	X	N
336111	Automobiles	N	X	X	93 215 637	N	X	X	N
3361110	Complete passenger vehicles, knockdown or assembled, passenger car chassis, and nonarmored military automobiles	N	X	X	93 215 637	N	X	X	N
33611101	Complete passenger vehicles, knockdown or assembled, passenger car chassis, and nonarmored military automobiles	N	X	X	92 806 528	N	X	X	N
3361110100	Complete passenger vehicles, knockdown or assembled, passenger car chassis, and nonarmored military automobiles	47	X	X	92 806 528	N	X	X	N
3361110Y	Automobile manufacturing, nsk, total	N	X	X	409 109	N	X	X	N
3361110YWW	Automobile manufacturing, nsk, for nonadministrative-record establishments	N	X	X	345 894	N	X	X	N
3361110YWY	Automobile manufacturing, nsk, for administrative-record establishments	N	X	X	63 215	N	X	X	N
336112	Light trucks and utility vehicles	N	X	X	107 172 812	N	X	X	N
3361120	Trucks, truck tractors, and bus chassis (chassis of own manufacture) 14,000 lb or less, including minivans and sport utility vehicles	N	X	X	107 172 812	N	X	X	N
33611201	Trucks, truck tractors, and bus chassis (chassis of own manufacture) 14,000 lb or less, including minivans and sport utility vehicles	N	X	X	107 076 117	N	X	X	N
3361120100	Trucks, truck tractors, and bus chassis (chassis of own manufacture) 14,000 lb or less, including minivans and sport utility vehicles	20	X	X	107 076 117	N	X	X	N
3361120Y	Light truck and utility vehicle manufacturing, nsk, total	N	X	X	96 695	N	X	X	N
3361120YWW	Light truck and utility vehicle manufacturing, nsk, for nonadministrative-record establishments	N	X	X	60 663	N	X	X	N
3361120YWY	Light truck and utility vehicle manufacturing, nsk, for administrative-record establishments	N	X	X	36 032	N	X	X	N
336120	Heavy duty trucks and buses	N	X	X	16 850 333	N	X	X	N
3361201	Trucks, truck tractors, and bus chassis (chassis of own manufacture) 14,001 to 33,000 lb	N	X	X	4 158 870	N	X	X	N
33612011	Trucks, truck tractors, and bus chassis (chassis of own manufacture) 14,001 to 33,000 lb	N	X	X	4 158 870	N	X	X	N
3361201100	Trucks, truck tractors, and bus chassis (chassis of own manufacture) 14,001 to 33,000 lb	14	X	X	4 158 870	N	X	X	N
3361202	Trucks, truck tractors, and bus chassis (chassis of own manufacture) 33,001 lb or more	N	X	X	11 167 520	N	X	X	N
33612021	Trucks, truck tractors, and bus chassis (chassis of own manufacture) 33,001 lb or more	N	X	X	11 167 520	N	X	X	N
3361202100	Trucks, truck tractors, and bus chassis (chassis of own manufacture) 33,001 lb or more	15	X	X	11 167 520	N	X	X	N

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NAICS product code	Product	1997				1992			
		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
336120	Heavy duty trucks and buses —Con.								
3361203	Buses, including military and firefighting vehicles (chassis of own manufacture)	N	X	X	1 449 208	N	X	X	1 177 229
33612031	Buses, including military and firefighting vehicles (chassis of own manufacture)	N	X	X	1 449 208	N	X	X	N
3361203101	Buses, including military (except trolley buses) (chassis of own manufacture)	15	X	X	1 313 421	11	X	X	920 181
3361203104	Firefighting vehicles (chassis of own manufacture)	13	X	X	135 787	11	X	X	115 403
3361203Y	Buses, including military and firefighting vehicles (chassis of own manufacture), nsk	N	X	X	—	N	X	X	N
3361203YVV	Buses, including military and firefighting vehicles (chassis of own manufacture), nsk	N	X	X	—	N	X	X	141 645
336120W	Heavy-duty trucks, nsk, total	N	X	X	74 735	N	X	X	N
336120WY	Heavy duty truck manufacturing, nsk, total	N	X	X	74 735	N	X	X	N
336120WYWW	Heavy duty truck manufacturing, nsk, for nonadministrative-record establishments	N	X	X	14 279	N	X	X	N
336120WYWY	Heavy duty truck manufacturing, nsk, for administrative-record establishments	N	X	X	60 456	N	X	X	N
336211	MOTOR VEHICLES AND CAR BODIES	N	X	X	8 290 820	N	X	X	N
3362111	Truck, bus, and other vehicle bodies including passenger car bodies and kit cars for sale separately	N	X	X	5 138 280	N	X	X	N
33621111	Bus bodies for sale separately	N	X	X	364 036	N	X	X	N
3362111101	Bus bodies for sale separately	11	X	X	364 036	13	X	X	346 340
336211112	Truck cabs for sale separately	N	X	X	D	N	X	X	N
3362111204	Truck cabs for sale separately	23	X	X	D	21	X	X	523 651
33621113	Vans with unit body-cab for sale separately	N	X	X	D	N	X	X	N
3362111307	Vans with unit body-cab for sale separately	11	X	X	D	16	X	X	119 323
33621114	Van bodies with separate cab for sale separately	N	X	X	505 576	N	X	X	N
3362111411	Refrigerated (except food service) van bodies with separate cab for sale separately	8	X	X	44 423	7	X	X	24 891
3362111413	Food service van bodies with separate cab for sale separately	11	X	X	81 562	10	X	X	48 475
3362111416	Other van bodies with separate cab for sale separately	30	X	X	379 591	28	X	X	137 577
33621115	Other truck and vehicle bodies for sale separately, including dumptruck lifting mechanisms and kit cars	N	X	X	1 677 787	N	X	X	N
3362111519	Tank bodies for sale separately	14	X	X	48 252	15	X	X	18 113
3362111522	Front loading garbage and refuse truck bodies (packer-types) for sale separately	8	X	X	32 194	5	X	X	N
3362111525	Rear loading garbage and refuse truck bodies (packer-types) for sale separately	9	X	X	95 527	4	X	X	46 663
3362111528	Side loading garbage and refuse truck bodies (packer-types) for sale separately	7	X	X	33 429	4	X	X	27 212
3362111531	Other garbage and refuse truck bodies (packer-types) for sale separately	10	X	X	28 849	9	X	X	N
3362111534	Beverage truck bodies for sale separately	4	X	X	D	6	X	X	39 752
3362111537	Dump truck bodies for sale separately	57	X	X	220 558	52	X	X	112 192
3362111541	Stake and platform truck bodies for sale separately	43	X	X	65 425	42	X	X	43 235
3362111543	Utility line service truck bodies for sale separately	35	X	X	125 700	36	X	X	102 857
3362111546	Other mobile service type truck bodies for sale separately	11	X	X	23 551	15	X	X	18 159
3362111549	Wrecker truck bodies for sale separately	14	X	X	103 082	12	X	X	70 341
3362111552	Passenger car bodies	7	X	X	D	4	X	X	N
3362111555	Kit cars	5	X	X	9 299	N	X	X	N
3362111558	Motor vehicle fifth wheels, new	9	X	X	213 379	6	X	X	109 212
3362111571	Other truck and vehicle bodies, including dumptruck lifting mechanisms	83	X	X	517 610	N	X	X	N

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NAICS product code	Product	1997				1992			
		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
336211	MOTOR VEHICLES AND CAR BODIES—Con.								
3362111	Truck, bus, and other vehicle bodies including passenger car bodies and kit cars for sale separately—Con.								
3362111Y	Truck, bus, and other vehicle bodies (including passenger car bodies and kit cars) for sale separately, nsk	N	X	X	69 351	N	X	X	N
3362111YWV	Truck, bus, and other vehicle bodies (including passenger car bodies and kit cars) for sale separately, nsk	N	X	X	69 351	N	X	X	N
3362113	Complete vehicles produced on purchased chassis	N	X	X	2 563 062	N	X	X	N
33621131	Buses, complete, produced on purchased chassis	N	X	X	1 000 920	N	X	X	N
3362113101	Buses, complete, produced on purchased chassis	16	X	X	1 000 920	13	X	X	315 019
33621132	Firefighting vehicles, complete, produced on purchased chassis	N	X	X	442 758	N	X	X	N
3362113219	Firefighting vehicles, complete, produced on purchased chassis	28	X	X	442 758	28	X	X	330 954
33621133	Other trucks, produced on purchased chassis	N	X	X	998 033	N	X	X	N
3362113304	Ambulance and rescue vehicles complete, produced on purchased chassis	24	X	X	440 673	17	X	X	145 416
3362113307	Vans, complete, produced on purchased chassis	7	X	X	78 890	10	X	X	38 152
3362113311	Tank trucks, complete, produced on purchased chassis	10	X	X	47 405	11	X	X	50 934
3362113313	Beverage trucks, complete, produced on purchased chassis	2	X	X	D	3	X	X	D
3362113316	Dump trucks, complete, produced on purchased chassis	10	X	X	12 404	6	X	X	11 505
3362113322	Utility line service trucks, complete, produced on purchased chassis	10	X	X	D	9	X	X	D
3362113325	Other mobile service type trucks, complete, produced on purchased chassis	15	X	X	258 007	14	X	X	73 805
3362113328	Other trucks, complete, produced on purchased chassis, designed primarily for transporting persons or goods, nec	15	X	X	59 775	N	X	X	N
3362113331	Other trucks, complete, produced on purchased chassis, not designed primarily for transporting persons or goods, nec	10	X	X	79 650	N	X	X	N
3362113Y	Complete vehicles produced on purchased chassis, nsk	N	X	X	121 351	N	X	X	N
3362113YWV	Complete vehicles produced on purchased chassis, nsk	N	X	X	121 351	N	X	X	N
336211W	Motor vehicle body, nsk, total	N	X	X	589 478	N	X	X	N
336211WY	Motor vehicle body manufacturing, nsk, total	N	X	X	589 478	N	X	X	N
336211WYWV	Motor vehicle body manufacturing, nsk, for nonadministrative-record establishments	N	X	X	378 007	N	X	X	N
336211WYWY	Motor vehicle body manufacturing, nsk, for administrative-record establishments	N	X	X	211 471	N	X	X	N
336212	Truck trailers	N	X	X	5 282 354	N	X	X	3 175 875
3362121	Truck trailers and chassis, with axle rating of 10,000 lb or more @	N	X	X	4 709 142	N	X	X	2 859 730
33621210	Truck trailers and chassis, with axle rating of 10,000 lb or more	N	X	X	4 709 142	N	X	X	N
3362121000	Truck trailers and chassis, with axle rating of 10,000 lb or more	150	X	X	4 709 142	137	X	X	2 859 730
3362123	Truck trailers and chassis, with axle rating of less than 10,000 lb	N	X	X	271 283	N	X	X	122 041
33621231	Truck trailers and chassis, with axle rating of less than 10,000 lb	N	X	X	271 283	N	X	X	N
3362123100	Truck trailers and chassis, with axle rating of less than 10,000 lb	41	X	X	271 283	34	X	X	122 041
336212W	Truck trailers, nsk, total	N	X	X	301 929	N	X	X	194 104
336212WY	Truck trailers and chassis, nsk, total	N	X	X	301 929	N	X	X	N
336212WYWV	Truck trailer manufacturing, nsk, for nonadministrative-record establishments	N	X	X	109 867	N	X	X	146 205
336212WYWY	Truck trailer manufacturing, nsk, for administrative-record establishments	N	X	X	192 062	N	X	X	47 899

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NAICS product code	Product	1997				1992			
		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
336213	Motor homes produced on purchased chassis	N	X	X	3 535 212	N	X	X	3 163 969
3362130	Motor homes built on purchased chassis	N	X	X	3 535 212	N	X	X	3 163 969
33621301	Motor homes built on purchased chassis	N	X	X	3 394 368	N	X	X	N
3362130101	Conventional (type A) motor homes built on purchased chassis	16	X	X	2 517 885	26	X	X	1 390 050
3362130104	Chopped van (type C) motor homes built on purchased chassis	12	X	X	435 556	18	X	X	390 788
3362130107	Van camper (type B) motor homes built on purchased chassis	6	X	X	28 990	3	X	X	7 657
3362130111	Converted vans not qualifying as van campers (type B) motor homes built on purchased chassis	14	X	X	411 937	11	X	X	1 195 772
3362130Y	Motor homes produced on purchased chassis, nsk, total	N	X	X	140 844	N	X	X	N
3362130YWW	Motor homes produced on purchased chassis, nsk, for nonadministrative-record establishments	N	X	X	118 769	N	X	X	164 699
3362130YWY	Motor homes produced on purchased chassis, nsk, for administrative-record establishments	N	X	X	22 075	N	X	X	15 003
336214	Travel trailers and campers	N	X	X	4 702 096	N	X	X	N
3362141	Travel trailers	N	X	X	2 133 129	N	X	X	1 465 374
33621411	Conventional travel trailers, up to 24 ft 11 in. (7.595 m) in length	N	X	X	353 616	N	X	X	N
3362141101	Conventional travel trailers, less than 20 ft (6.096 m) in length	24	X	X	122 935	19	X	X	63 294
3362141104	Conventional travel trailers, 20 ft (6.096 m) to 24 ft 11 in. (7.595 m) in length	21	X	X	230 681	19	X	X	253 978
33621412	Conventional travel trailers, 25 ft (7.620 m) to 29 ft 11 in. (9.118 m) in length	N	X	X	322 827	N	X	X	N
3362141207	Conventional travel trailers, 25 ft (7.620 m) to 29 ft 11 in. (9.118 m) in length	29	X	X	322 827	23	X	X	183 826
33621413	Conventional travel trailers, 30 ft (9.144 m) or more in length, including park models	N	X	X	306 658	N	X	X	N
3362141311	Conventional travel trailers, 30 ft (9.144 m) or more in length, including park models	34	X	X	306 658	34	X	X	218 801
33621414	Fifth wheel travel trailers, less than 30 ft (9.144 m) in length	N	X	X	399 644	N	X	X	N
3362141413	Fifth wheel travel trailers, less than 30 ft (9.144 m) in length	30	X	X	399 644	26	X	X	247 190
33621415	Fifth wheel travel trailers, 30 ft (9.144 m) or more in length	N	X	X	526 743	N	X	X	N
3362141516	Fifth wheel travel trailers, 30 ft (9.144 m) or more in length	31	X	X	526 743	27	X	X	333 420
3362141Y	Travel trailers, nsk	N	X	X	223 641	N	X	X	N
3362141YWV	Travel trailers, nsk	N	X	X	223 641	N	X	X	164 865
3362143	Automobile and light truck trailers	N	X	X	1 424 344	N	X	X	686 131
33621431	Automobile and light truck trailers	N	X	X	1 320 534	N	X	X	N
3362143101	Automobile and light truck horse trailers 26,000 lb or less GVW, excluding those pulled by truck tractors	55	X	X	346 098	N	X	X	N
3362143105	Automobile and light truck boat trailers 26,000 lbs or less GVW	105	X	X	408 540	N	X	X	N
3362143108	Automobile and light truck mobile equipment trailers 26,000 lbs or less GVW	41	X	X	119 618	N	X	X	N
3362143111	Other automobile and light truck trailers 26,000 lbs or less GVW, including general utility, commercial display, etc., for transport of goods	61	X	X	198 758	N	X	X	N
3362143114	Other automobile and light truck trailers 26,000 lbs or less GVW, including general utility, commercial display, etc., for other uses	66	X	X	243 840	N	X	X	N
3362143117	Automobile and light truck trailers 26,001 lbs or more GVW	1	X	X	S	N	X	X	N
3362143Y	Automobile and light truck trailers, nsk	N	X	X	103 810	N	X	X	N
3362143YWV	Automobile and light truck trailers, nsk	N	X	X	103 810	N	X	X	20 484

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NAICS product code	Product	1997				1992			
		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
336214	Travel trailers and campers— Con.								
3362145	Camping trailers, campers, pickup covers, and parts	N	X	X	852 400	N	X	X	585 654
33621451	Fold-down camping trailers	N	X	X	277 789	N	X	X	N
3362145101	Fold-down camping trailers	11	X	X	277 789	10	X	X	157 814
33621452	Truck (pickup) campers (for sliding on and off trucks), caps, or box covers	N	X	X	282 794	N	X	X	N
3362145204	Truck (pickup) campers (for sliding on and off trucks), excluding parts	17	X	X	58 520	21	X	X	51 678
3362145207	Truck (pickup) caps or box covers, excluding parts	28	X	X	224 274	39	X	X	176 280
33621453	Other parts for travel and camping trailers (including bodies and chassis), and parts for pickup campers and caps (excluding appliances and furnishings)	N	X	X	278 299	N	X	X	N
3362145311	Other parts for travel and camping trailers (including bodies and chassis), and parts for pickup campers and caps (excluding appliances and furnishings)	51	X	X	278 299	N	X	X	N
3362145Y	Camping trailers, campers, pickup covers, and parts, nsk	N	X	X	13 518	N	X	X	N
3362145YVV	Camping trailers, campers, pickup covers, and parts, nsk	N	X	X	13 518	N	X	X	51 906
336214W	Travel trailers and campers, nsk, total	N	X	X	292 223	N	X	X	N
336214WY	Travel trailer and camper manufacturing, nsk, total	N	X	X	292 223	N	X	X	N
336214WYWW	Travel trailer and camper manufacturing, nsk, for nonadministrative-record establishments	N	X	X	134 886	N	X	X	N
336214WYWY	Travel trailer and camper manufacturing, nsk, for administrative-record establishments	N	X	X	157 337	N	X	X	N
336311	Carburetors, pistons, piston rings and valves	N	X	X	2 426 407	N	X	X	1 844 553
3363111	Carburetors, new and rebuilt (all types)	N	X	X	935 569	N	X	X	714 461
33631111	Carburetors, new and rebuilt, except parts	N	X	X	D	N	X	X	N
3363111101	Carburetors for motor vehicle engines (passenger car, truck, and bus), new, all types	6	X	X	556 687	5	X	X	N
3363111103	All other carburetors, new, all types	7	X	X	D	7	X	X	N
3363111105	Carburetors, rebuilt, all types	13	X	X	92 779	15	X	X	71 787
33631112	Parts for carburetors (excluding gaskets and screw machine products)	N	X	X	D	N	X	X	N
3363111207	Parts for carburetors (excluding gaskets and screw machine products)	6	X	X	D	7	X	X	160 665
3363111Y	Carburetors, new and rebuilt (all types), nsk	N	X	X	—	N	X	X	N
3363111YVV	Carburetors, new and rebuilt (all types), nsk	N	X	X	—	N	X	X	14 619
3363113	Pistons, piston rings, and piston pins (engine)	N	X	X	1 029 243	N	X	X	716 223
33631131	Pistons, all types	N	X	X	633 278	N	X	X	N
3363113101	Pistons for motor vehicle engines (passenger car, truck, and bus), all types (machined), except rough castings	14	X	X	500 780	11	X	X	232 922
3363113103	All other engine pistons, all types (machined), except rough castings	20	X	X	132 498	19	X	X	69 501
33631132	Piston rings, all types	N	X	X	D	N	X	X	N
3363113205	Oil type piston rings for motor vehicle engines (passenger car, truck, and bus), all types	5	X	X	34 549	8	X	X	84 475
3363113207	All other oil type engine piston rings	7	X	X	13 237	8	X	X	50 858
3363113209	Compression type piston rings for motor vehicle engines (passenger car, truck, and bus), all types	4	X	X	D	5	X	X	161 212
3363113211	All other compression type engine piston rings	14	X	X	95 904	12	X	X	39 522
33631133	Engine piston pins	N	X	X	D	N	X	X	N
3363113313	Engine piston pins	5	X	X	D	4	X	X	N
3363113Y	Pistons, piston rings, and piston pins (engine), nsk	N	X	X	26 952	N	X	X	N
3363113YVV	Pistons, piston rings, and piston pins (engine), nsk	N	X	X	26 952	N	X	X	N

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NAICS product code	Product	1997				1992			
		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
336311	Carburetors, pistons, piston rings and valves—Con.								
3363115	Valves (engine intake and exhaust)	N	X	X	418 319	N	X	X	362 354
33631151	Intake and exhaust valves for all engines	N	X	X	418 319	N	X	X	N
3363115101	Intake and exhaust valves for motor vehicle engines (passenger car, truck, and bus)	10	X	X	259 454	8	X	X	292 404
3363115103	Intake and exhaust valves for other engines	13	X	X	158 865	13	X	X	69 950
3363115Y	Valves (engine intake and exhaust), nsk	N	X	X	—	N	X	X	N
3363115YWV	Valves (engine intake and exhaust), nsk	N	X	X	—	N	X	X	—
336311W	Carburetors, pistons, piston rings, and valves, nsk, total	N	X	X	43 276	N	X	X	51 515
336311WY	Carburetors, pistons, piston rings, and valves, nsk, total	N	X	X	43 276	N	X	X	N
336311WYWW	Carburetors, pistons, piston rings, and valves, nsk, for nonadministrative-record establishments	N	X	X	7 102	N	X	X	29 286
336311WYWY	Carburetors, pistons, piston rings, and valves, nsk, for administrative-record establishments	N	X	X	36 174	N	X	X	22 229
336312	Gasoline engines and engine parts	N	X	X	25 382 008	N	X	X	N
3363121	Gasoline engines and gasoline engine parts for motor vehicles, new	N	X	X	24 579 425	N	X	X	N
33631211	Gasoline engines, new (with or without cylinder heads, fuel pumps, water pumps, and other standard accessories)	N	X	X	15 120 065	N	X	X	N
3363121101	Gasoline engines, new (with or without cylinder heads, fuel pumps, water pumps, and other standard accessories), for motor vehicles	28	X	X	15 120 065	19	X	X	10 521 531
33631212	Gasoline engine fuel injection systems, new, for motor vehicles	N	X	X	2 409 386	N	X	X	N
3363121224	Gasoline engine fuel injection systems, new, for motor vehicles	26	X	X	2 409 386	24	X	X	1 055 156
33631213	Gasoline engine fuel and water pump assemblies (excluding kits), new, for motor vehicles	N	X	X	1 268 546	N	X	X	N
3363121351	Gasoline engine fuel pump assemblies (excluding kits), new, for motor vehicles	12	X	X	1 021 940	12	X	X	640 054
3363121354	Gasoline engine water pump assemblies (excluding kits), new, for motor vehicles	14	X	X	246 606	14	X	X	137 752
33631214	Gasoline engine cooling fans and thermostats, new, for motor vehicles	N	X	X	378 324	N	X	X	N
3363121457	Gasoline engine cooling fans (including hubs and clutches), new, for motor vehicles	11	X	X	341 303	10	X	X	140 389
3363121467	Gasoline engine thermostats (engine cooling system), new, for motor vehicles	4	X	X	37 021	4	X	X	D
33631215	All other gasoline engines and gasoline engine parts for motor vehicles, new	N	X	X	5 228 277	N	X	X	N
3363121504	Gasoline engine intake manifolds, new, for motor vehicles	17	X	X	358 342	12	X	X	148 544
3363121507	Gasoline engine exhaust manifolds, new, for motor vehicles	21	X	X	230 889	15	X	X	148 320
3363121511	Gasoline engine crankshafts, new, for motor vehicles	12	X	X	184 372	10	X	X	60 177
3363121514	Gasoline engine camshafts, new, for motor vehicles	13	X	X	408 035	11	X	X	131 271
3363121517	Gasoline engine rocker arms and parts, new, for motor vehicles	15	X	X	128 343	13	X	X	55 690
3363121521	Gasoline engine valve guides, seats, and tappets, new, for motor vehicles	19	X	X	640 040	15	X	X	218 966
3363121527	Gasoline engine flywheels and flexplates, new, for motor vehicles	10	X	X	48 771	10	X	X	36 122
3363121531	Gasoline engine timing gears, sprockets, and chains, new, for motor vehicles	15	X	X	216 620	12	X	X	87 734
3363121534	Gasoline engine main engine bearings (halves), new, for motor vehicles	8	X	X	110 413	8	X	X	96 697
3363121537	Gasoline engine connecting rod, engine bearings (halves), new, for motor vehicles	11	X	X	119 189	7	X	X	90 191
3363121541	Other gasoline engine bearings (halves) (balance shaft, camshaft, etc.), new, for motor vehicles	7	X	X	91 733	11	X	X	D
3363121544	Gasoline engine oil pumps, new, for motor vehicles	13	X	X	168 752	12	X	X	83 414

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
336312	Gasoline engines and engine parts—Con.								
3363121	Gasoline engines and gasoline engine parts for motor vehicles, new—Con.								
33631215	All other gasoline engines and gasoline engine parts for motor vehicles, new—Con.								
3363121571	Gasoline engine PCV (positive crankcase ventilation) valves, new, for motor vehicles	6	X	X	15 260	7	X	X	17 975
3363121574	All other parts and accessories for gasoline engines, new, for motor vehicles	123	X	X	2 507 518	110	X	X	1 861 026
3363121Y	Gasoline engines and gasoline engine parts for motor vehicles, new, nsk	N	X	X	174 827	N	X	X	N
3363121YVV	Gasoline engines and gasoline engine parts for motor vehicles, new, nsk	N	X	X	174 827	N	X	X	N
3363123	Gasoline engines and engine parts for motor vehicles, rebuilt	N	X	X	420 049	N	X	X	N
33631231	Gasoline engines and engine parts for motor vehicles, rebuilt	N	X	X	420 049	N	X	X	N
3363123101	Motor vehicle fuel pumps, rebuilt	5	X	X	5 576	6	X	X	1 927
3363123104	Motor vehicle water pumps, rebuilt	30	X	X	76 132	35	X	X	105 841
3363123107	Car and light truck gasoline engines, rebuilt	44	X	X	296 045	43	X	X	216 198
3363123111	Heavy truck and bus gasoline engines, rebuilt	4	X	X	5 897	4	X	X	27 779
3363123121	Other rebuilt engine parts and components	22	X	X	36 399	N	X	X	N
3363123Y	Other rebuilt engine and engine parts, nsk	N	X	X	—	N	X	X	N
3363123YVV	Other rebuilt engine and engine parts, nsk	N	X	X	—	N	X	X	N
336312W	Gasoline engine and engine parts, nsk, total	N	X	X	382 534	N	X	X	N
336312WY	Gasoline engine and engine part manufacturing, nsk, total	N	X	X	382 534	N	X	X	N
336312WYVV	Gasoline engine and engine part manufacturing, nsk for nonadministrative-record establishments	N	X	X	156 068	N	X	X	N
336312WYVY	Gasoline engine and engine part manufacturing, nsk for administrative-record establishments	N	X	X	226 466	N	X	X	N
336321	Vehicular lighting equipment	N	X	X	2 724 873	N	X	X	1 808 770
3363210	Vehicular lighting equipment, electric (including parts and accessories)	N	X	X	2 724 873	N	X	X	1 808 770
33632101	Vehicular lighting equipment, electric (including parts and accessories)	N	X	X	2 697 422	N	X	X	N
3363210100	Vehicular lighting equipment, electric (including parts and accessories)	68	X	X	2 697 422	N	X	X	N
3363210Y	Vehicular lighting equipment, electric (including parts and accessories), nsk, total	N	X	X	27 451	N	X	X	N
3363210YVV	Vehicular lighting equipment, nsk, for nonadministrative-record establishments	N	X	X	2 214	N	X	X	N
3363210YVY	Vehicular lighting equipment, nsk, for administrative-record establishments	N	X	X	25 237	N	X	X	7 960
336322	Motor vehicle electrical and electronic equipment, nec	N	X	X	15 692 440	N	X	X	N
3363221	Ignition harness and cable sets	N	X	X	845 274	N	X	X	936 297
33632211	Ignition harness sets, all types	N	X	X	553 647	N	X	X	N
3363221101	Automotive-type ignition harness sets	18	X	X	467 827	28	X	X	639 213
3363221104	Other ignition harness sets, including tractor, stationary engine, and aircraft	13	X	X	85 820	17	X	X	73 706
33632212	Engine electrical cable sets, all types	N	X	X	209 358	N	X	X	N
3363221201	Automotive-type engine electrical cable sets	22	X	X	180 500	18	X	X	155 929
3363221204	Aircraft and other type engine electrical cable sets	13	X	X	28 858	6	X	X	23 408
3363221Y	Ignition harness and cable sets, nsk	N	X	X	82 269	N	X	X	N
3363221YVV	Ignition harness and cable sets, nsk	N	X	X	82 269	N	X	X	44 041

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
336322	Motor vehicle electrical and electronic equipment, nec—Con.								
3363223	Battery charging alternators, generators, and regulators	N	X	X	2 226 011	N	X	X	1 148 964
33632231	New battery charging alternators and generators for internal combustion engines	N	X	X	1 458 543	N	X	X	N
3363223101	New automotive battery charging alternators and generators for internal combustion engines	18	X	X	1 385 008	11	X	X	622 342
3363223104	All other new battery charging alternators and generators for internal combustion engines, new.....	14	X	X	73 535	11	X	X	44 309
33632232	Rebuilt battery charging alternators and generators for internal combustion engines, all types, and regulators for alternators and generators	N	X	X	651 348	N	X	X	N
3363223201	Rebuilt battery charging alternators and generators for internal combustion engines, all types	69	X	X	624 270	74	X	X	405 612
3363223204	Regulators for battery charging alternators and generators (new and rebuilt)	10	X	X	27 078	7	X	X	15 719
3363223Y	Battery charging alternators, generators, and regulators, nsk	N	X	X	116 120	N	X	X	N
3363223YVV	Battery charging alternators, generators, and regulators, nsk	N	X	X	116 120	N	X	X	60 982
3363225	Cranking motors (starters)	N	X	X	759 716	N	X	X	902 292
33632251	New starting (engine cranking) motors	N	X	X	348 439	N	X	X	N
3363225101	Automotive starting (engine cranking) motors, new	8	X	X	D	13	X	X	484 437
3363225104	Other new starting (engine cranking) motors	10	X	X	D	11	X	X	75 820
33632252	Rebuilt starting (engine cranking) motors, all types	N	X	X	333 397	N	X	X	N
3363225201	Rebuilt starting (engine cranking) motors, all types	59	X	X	333 397	68	X	X	324 660
3363225Y	Cranking motors (starters), nsk	N	X	X	77 880	N	X	X	N
3363225YVV	Cranking motors (starters), nsk	N	X	X	77 880	N	X	X	17 375
3363227	Spark plugs (all types)	N	X	X	522 346	N	X	X	411 786
33632271	Spark plugs (all types)	N	X	X	522 346	N	X	X	N
3363227100	Spark plugs (all types)	7	X	X	522 346	6	X	X	411 786
3363229	Complete engine electrical equipment, nec	N	X	X	3 163 388	N	X	X	2 524 165
33632291	Electrical ignition coils (all types) for complete engines	N	X	X	595 079	N	X	X	N
3363229101	Engine electrical ignition coils (all types)	16	X	X	595 079	13	X	X	335 794
33632292	Electronic systems for complete engine control, using computers or microprocessors	N	X	X	1 367 344	N	X	X	N
3363229201	Electronic systems for complete engine control, using computers or microprocessors	11	X	X	1 367 344	11	X	X	N
33632293	All other complete engine electrical and-or electronic equipment	N	X	X	988 438	N	X	X	N
3363229301	Electrical distributors (all types)	8	X	X	164 711	15	X	X	260 273
3363229304	Magnetos, magneto-dynamos, and magnetic flywheels	5	X	X	D	6	X	X	60 564
3363229307	All other complete ignition equipment, including electronic ignitions	10	X	X	D	14	X	X	252 216
3363229309	All other complete electrical and-or electronic equipment for internal combustion engines	14	X	X	689 100	6	X	X	N
3363229Y	Complete engine electrical equipment, nec, nsk	N	X	X	212 527	N	X	X	N
3363229YVV	Complete engine electrical equipment, nec, nsk	N	X	X	212 527	N	X	X	24 686
336322A	Parts for engine electrical and electronic equipment	N	X	X	446 452	N	X	X	430 237
336322A1	Armatures, field coils, and drive-end housings for cranking motors	N	X	X	16 844	N	X	X	N
336322A101	Armatures, field coils, and drive-end housings for cranking motors	10	X	X	16 844	12	X	X	41 344
336322A2	Armatures and field coils for alternators and generators	N	X	X	4 792	N	X	X	N
336322A204	Armatures and field coils for alternators and generators	6	X	X	4 792	9	X	X	31 481
336322A3	Ignition distributor heads and rotors	N	X	X	184 777	N	X	X	N
336322A307	Ignition distributor heads and rotors	6	X	X	184 777	8	X	X	116 925

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
336322	Motor vehicle electrical and electronic equipment, nec—Con.								
336322A	Parts for engine electrical and electronic equipment—Con.								
336322A4	Ignition distributor breaker point sets	N	X	X	D	N	X	X	N
336322A409	Ignition distributor breaker point sets	4	X	X	D	4	X	X	N
336322A5	Ignition distributor condensers (capacitors)	N	X	X	D	N	X	X	N
336322A512	Ignition distributor condensers (capacitors)	2	X	X	D	4	X	X	N
336322A6	Other parts for engine electrical and-or electronic equipment	N	X	X	212 850	N	X	X	N
336322A615	Other parts for engine electrical and-or electronic equipment	31	X	X	212 850	21	X	X	213 089
336322AY	Parts for engine electrical and-or electronic equipment, nsk	N	X	X	22 111	N	X	X	N
336322AYWV	Parts for engine electrical and-or electronic equipment, nsk	N	X	X	22 111	N	X	X	515
336322C	Motor vehicle electrical and electronic equipment, except engine electrical equipment @	N	X	X	7 187 487	N	X	X	N
336322C1	Motor vehicle electrical and electronic equipment, new and rebuilt	N	X	X	7 187 487	N	X	X	N
336322C102	Motor vehicle cruise control units, new	12	X	X	268 558	13	X	X	229 325
336322C104	Motor vehicle permanent defrosters, new	1	X	X	D	N	X	X	N
336322C107	Motor vehicle wiring harness sets, except ignition, new	25	X	X	D	N	X	X	N
336322C111	Motor vehicle windshield washer-wiper mechanisms, including washer pumps, new	11	X	X	247 004	N	X	X	N
336322C114	Motor vehicle block and battery heaters, new	1	X	X	D	N	X	X	N
336322C117	Other motor vehicle heaters, heater cores, and other heater parts, new	9	X	X	422 963	N	X	X	N
336322C119	Electronic control modular chips for motor vehicles	14	X	X	301 891	N	X	X	N
336322C121	Motor vehicle instrument board assemblies, new	7	X	X	165 608	N	X	X	N
336322C122	Other motor vehicle electrical and electronic equipment (excluding engine electrical equipment), new	50	X	X	2 484 484	N	X	X	N
336322C124	Cruise control units, rebuilt	1	X	X	D	N	X	X	N
336322C127	Windshield washer-wiper units, rebuilt	6	X	X	D	N	X	X	N
336322C130	Other rebuilt electrical equipment, except engine electrical equipment	10	X	X	215 381	N	X	X	N
336322CY	Motor vehicle electrical and electronic equipment, nsk	N	X	X	—	N	X	X	N
336322CYWV	Motor vehicle electrical and electronic equipment, nsk	N	X	X	—	N	X	X	N
336322W	Motor vehicle electrical and electronic equipment, nsk, total	N	X	X	541 766	N	X	X	N
336322WY	Motor vehicle electrical and electronic equipment, nsk, total	N	X	X	541 766	N	X	X	N
336322WYWW	Motor vehicle electrical and electronic equipment, nsk, for nonadministrative-record establishments	N	X	X	356 003	N	X	X	N
336322WYWY	Motor vehicle electrical and electronic equipment, nsk, for administrative-record establishments	N	X	X	185 763	N	X	X	N
336330	Motor vehicle steering and suspension components, except springs	N	X	X	9 832 604	N	X	X	N
3363301	Motor vehicle steering and suspension components, new	N	X	X	9 586 330	N	X	X	N
33633011	Motor vehicle shock absorbers, new	N	X	X	838 751	N	X	X	N
3363301101	Motor vehicle shock absorbers, new	21	X	X	838 751	17	X	X	753 469
33633012	Motor vehicle tie rod ends, new	N	X	X	165 440	N	X	X	N
3363301204	Motor vehicle tie rod ends, new	14	X	X	165 440	13	X	X	185 090
33633013	Motor vehicle steering idler arms, drag links, and control arms, new	N	X	X	816 799	N	X	X	N
3363301307	Motor vehicle steering idler arms, drag links, and control arms, new	23	X	X	816 799	21	X	X	409 556
33633014	Motor vehicle steering wheels, columns, and gearboxes, new	N	X	X	2 218 943	N	X	X	N
3363301417	Motor vehicle steering wheels, columns, and gearboxes, new	27	X	X	2 218 943	24	X	X	1 330 437

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
336330	Motor vehicle steering and suspension components, except springs—Con.								
3363301	Motor vehicle steering and suspension components, new—Con.								
33633015	Other motor vehicle steering and suspension components, including								
	motor vehicle ball joints, new	N	X	X	5 546 397	N	X	X	N
3363301511	Motor vehicle ball joints, new	13	X	X	269 830	14	X	X	179 837
3363301514	Motor vehicle struts, new	13	X	X	685 459	N	X	X	N
3363301521	Motor vehicle rack and pinion steering gears, new	9	X	X	D	N	X	X	N
3363301524	Motor vehicle integral and manual steering gears, new	4	X	X	D	N	X	X	N
3363301526	Motor vehicle power steering pumps, new	11	X	X	D	5	X	X	D
3363301528	Motor vehicle power steering hose assemblies, new	9	X	X	238 141	10	X	X	91 519
3363301531	Other motor vehicle steering and suspension components, new	80	X	X	1 905 781	N	X	X	N
3363301Y	Motor vehicle steering and suspension components, new, nsk	N	X	X	—	N	X	X	N
3363301YVV	Motor vehicle steering and suspension components, new, nsk	N	X	X	—	N	X	X	N
3363303	Motor vehicle steering and suspension components, rebuilt	N	X	X	178 313	N	X	X	N
33633031	Motor vehicle steering and suspension components, rebuilt	N	X	X	178 313	N	X	X	N
3363303101	Motor vehicle power steering pumps, rebuilt	19	X	X	75 334	20	X	X	52 332
3363303104	Motor vehicle rack and pinion steering assemblies, rebuilt	18	X	X	58 354	20	X	X	55 679
3363303121	Other rebuilt steering and suspension components	10	X	X	44 625	N	X	X	N
3363303Y	Motor vehicle steering and suspension components, rebuilt, nsk	N	X	X	—	N	X	X	N
3363303YVV	Motor vehicle steering and suspension components, rebuilt, nsk	N	X	X	—	N	X	X	N
336330W	Motor vehicle steering and suspension components, nsk, total	N	X	X	67 961	N	X	X	N
336330WY	Motor vehicle steering and suspension components, nsk, total	N	X	X	67 961	N	X	X	N
336330WYWW	Motor vehicle steering and suspension components, nsk, for nonadministrative-record establishments	N	X	X	5 531	N	X	X	N
336330WYWY	Motor vehicle steering and suspension components, nsk, for administrative-record establishments	N	X	X	62 430	N	X	X	N
336340	Motor vehicle brake systems	N	X	X	10 381 841	N	X	X	N
3363401	Motor vehicle brake parts and assemblies, new	N	X	X	9 833 732	N	X	X	N
33634011	Motor vehicle wheel brake and master brake cylinders, sold separately, new	N	X	X	315 509	N	X	X	N
3363401101	Motor vehicle wheel brake cylinders, sold separately, new	9	X	X	74 823	8	X	X	94 717
3363401104	Motor vehicle master brake cylinders, sold separately, new	13	X	X	240 686	8	X	X	315 567
33634012	Motor vehicle brake assemblies (drum), including backing plates, shoes, linings (except asbestos), cylinders, etc., if sold together	N	X	X	1 134 743	N	X	X	N
3363401211	Motor vehicle brake assemblies (drum), including backing plates, shoes, linings (except asbestos), cylinders, etc., if sold together	28	X	X	1 134 743	25	X	X	436 110
33634013	Motor vehicle brake assemblies (disc-caliper), including rotors, calipers, pads (except asbestos), cylinders, etc., if sold together	N	X	X	2 150 367	N	X	X	N
3363401313	Motor vehicle brake assemblies (disc-caliper), including rotors, calipers, pads (except asbestos), cylinders, etc., if sold together	26	X	X	2 150 367	29	X	X	1 345 574
33634014	Motor vehicle brake drums (with or without hub), sold separately, new	N	X	X	363 224	N	X	X	N
3363401416	Motor vehicle brake drums (with or without hub), sold separately, new	14	X	X	363 224	15	X	X	358 486
33634015	Motor vehicle brake rotors-discs (with or without hub), sold separately, new	N	X	X	594 435	N	X	X	N
3363401519	Motor vehicle brake rotors-discs (with or without hub), sold separately, new	15	X	X	594 435	19	X	X	347 423

Table 1. **Products Statistics: 1997 and 1992—Con.**

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NAICS product code	Product	1997				1992			
		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
336340	Motor vehicle brake systems—Con.								
3363401	Motor vehicle brake parts and assemblies, new—Con.								
33634016	Motor vehicle metallic or semimetallic brake linings, except asbestos, new	N	X	X	545 716	N	X	X	N
3363401625	Motor vehicle metallic or semimetallic brake linings, except asbestos, new	26	X	X	545 716	25	X	X	417 321
33634017	Other motor vehicle brake parts and assemblies, new	N	X	X	4 701 295	N	X	X	N
3363401707	Motor vehicle brake valves, new	12	X	X	638 445	7	X	X	D
3363401722	Motor vehicle brake shoes (with or without lining), sold separately, new	21	X	X	266 875	19	X	X	161 104
3363401737	Motor vehicle air brake power actuation units, new	7	X	X	226 671	6	X	X	101 931
3363401741	Motor vehicle hydraulic brake power actuation units, new	10	X	X	D	6	X	X	D
3363401744	Motor vehicle vacuum brake power actuation units, new	6	X	X	D	5	X	X	D
3363401745	Automotive brake hose assemblies, new	13	X	X	336 541	4	X	X	73 734
3363401747	Other motor vehicle brake parts, new	65	X	X	2 488 043	N	X	X	N
3363401Y	Motor vehicle brake parts and assemblies, new, nsk	N	X	X	28 443	N	X	X	N
3363401YVV	Motor vehicle brake parts and assemblies, new, nsk	N	X	X	28 443	N	X	X	N
3363403	Motor vehicle brake parts and assemblies, rebuilt	N	X	X	464 353	N	X	X	N
33634031	Motor vehicle brake parts and assemblies, rebuilt	N	X	X	464 353	N	X	X	N
3363403101	Motor vehicle brake shoe assemblies (drum brake), rebuilt	14	X	X	94 960	22	X	X	107 688
3363403104	Motor vehicle brake caliper assemblies (disc brake), rebuilt	26	X	X	180 241	27	X	X	101 776
3363403107	Motor vehicle brake master cylinders, rebuilt	11	X	X	52 378	12	X	X	44 386
3363403111	Motor vehicle air brake power actuation units, rebuilt	6	X	X	D	5	X	X	D
3363403114	Motor vehicle vacuum brake power actuation units, rebuilt	2	X	X	D	5	X	X	D
3363403117	Motor vehicle hydraulic brake power actuation units, rebuilt	1	X	X	D	3	X	X	2 826
3363403121	Other rebuilt brake systems and parts	11	X	X	33 252	N	X	X	N
3363403Y	Motor vehicle brake parts and assemblies, rebuilt, nsk	N	X	X	—	N	X	X	N
3363403YVV	Motor vehicle brake parts and assemblies, rebuilt, nsk	N	X	X	—	N	X	X	N
336340W	Motor vehicle brake systems, nsk, total	N	X	X	83 756	N	X	X	N
336340WY	Motor vehicle brake system manufacturing, nsk, total	N	X	X	83 756	N	X	X	N
336340WYWW	Motor vehicle brake system manufacturing, nsk, for nonadministrative-record establishments	N	X	X	27 360	N	X	X	N
336340WYWY	Motor vehicle brake system manufacturing, nsk, for administrative-record establishments	N	X	X	56 396	N	X	X	N
336350	Motor vehicle transmissions and power train parts	N	X	X	30 504 019	N	X	X	N
3363501	Motor vehicle drive train components, except wheels and brakes, new	N	X	X	29 758 088	N	X	X	19 647 584
33635011	Car and light truck transmissions (except auxiliary and parts), new	N	X	X	8 860 582	N	X	X	N
3363501101	Car and light truck manual transmissions (except auxiliary and parts), new	17	X	X	417 879	11	X	X	329 077
3363501104	Car and light truck automatic transmissions (except auxiliary and parts), new	17	X	X	8 442 703	16	X	X	4 435 346
33635012	Heavy truck and bus transmissions, new	N	X	X	2 235 656	N	X	X	N
3363501207	Heavy truck and bus manual transmissions (except auxiliary and parts), new	11	X	X	D	10	X	X	560 047
3363501211	Heavy truck and bus automatic transmissions (except auxiliary and parts), new	7	X	X	D	6	X	X	D
33635013	Parts for manual and automatic transmissions, new	N	X	X	1 919 508	N	X	X	N
3363501313	Parts for manual transmissions, new	23	X	X	271 240	23	X	X	198 595
3363501316	Parts for automatic transmissions, new	36	X	X	1 648 268	34	X	X	1 811 633

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		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
336350	Motor vehicle transmissions and power train parts—Con.								
3363501	Motor vehicle drive train components, except wheels and brakes, new—Con.								
33635014	Motor vehicle axles and axle parts, new.....	N	X	X	9 534 969	N	X	X	N
3363501434	Motor vehicle axles and axle parts, new.....	53	X	X	9 534 969	43	X	X	5 828 256
33635015	Other motor vehicle drive train components, except wheels and brakes, new.....	N	X	X	7 108 158	N	X	X	N
3363501519	Motor vehicle transaxles, new.....	9	X	X	1 421 567	14	X	X	D
3363501522	Motor vehicle clutch disc and facing assemblies, new.....	28	X	X	778 212	22	X	X	389 631
3363501525	Motor vehicle gear shifters, new.....	16	X	X	106 781	13	X	X	268 550
3363501528	Motor vehicle drive shafts, new.....	20	X	X	1 512 203	19	X	X	851 514
3363501531	Motor vehicle universal joints, new.....	11	X	X	464 926	10	X	X	D
3363501537	Motor vehicle wheel hubs, sold separately, new.....	16	X	X	260 762	11	X	X	128 456
3363501541	Other motor vehicle drive train components, except wheels and brakes, new.....	57	X	X	2 563 707	58	X	X	1 939 518
3363501Y	Motor vehicle drive train components, new, nsk.....	N	X	X	99 215	N	X	X	N
3363501YWV	Motor vehicle drive train components, new, nsk.....	N	X	X	99 215	N	X	X	113 228
3363503	Motor vehicle drive train components, rebuilt.....	N	X	X	529 550	N	X	X	N
33635031	Motor vehicle drive train components, rebuilt.....	N	X	X	529 550	N	X	X	N
3363503101	Motor vehicle clutch discs and pressure plates, rebuilt.....	16	X	X	86 044	31	X	X	119 644
3363503104	Car and light truck automatic transmissions, including drive lines and axles, rebuilt.....	21	X	X	277 263	21	X	X	65 234
3363503107	Car and light truck manual (standard) transmissions, including drive lines and axles, rebuilt.....	5	X	X	10 130	5	X	X	4 930
3363503111	Heavy truck and bus transmissions, including drive lines and axles, rebuilt.....	5	X	X	32 537	6	X	X	3 832
3363503114	Other rebuilt transmission parts including clutch and facing assemblies, gear shifters, universal joints, and wheel hubs.....	10	X	X	46 751	N	X	X	N
3363503117	Other rebuilt drive train parts and components.....	17	X	X	76 825	N	X	X	N
3363503Y	Motor vehicle drive train components, rebuilt, nsk.....	N	X	X	—	N	X	X	N
3363503YWV	Motor vehicle drive train components, rebuilt, nsk.....	N	X	X	—	N	X	X	N
336350W	Motor vehicle transmission and drive train part manufacturing, nsk, total.....	N	X	X	216 381	N	X	X	N
336350WY	Motor vehicle transmission and drive train part manufacturing, nsk, total.....	N	X	X	216 381	N	X	X	N
336350WYWW	Motor vehicle transmission and drive train part manufacturing, nsk, for nonadministrative-record establishments.....	N	X	X	98 656	N	X	X	N
336350WYWY	Motor vehicle transmission and drive train part manufacturing, nsk, for administrative-record establishments.....	N	X	X	117 725	N	X	X	N
336360	Motor vehicle fabric accessories and seats.....	N	X	X	11 798 295	N	X	X	N
3363601	Automobile trimmings.....	N	X	X	4 063 088	N	X	X	2 547 747
33636011	Automobile trimmings.....	N	X	X	4 063 088	N	X	X	N
3363601100	Automobile trimmings.....	58	X	X	4 063 088	51	X	X	2 547 747
3363602	Fabricated seat or safety belts, including shoulder harnesses (except leather).....	N	X	X	614 974	N	X	X	N
33636021	Fabricated seat or safety belts, including shoulder harnesses (except leather).....	N	X	X	614 974	N	X	X	N
3363602100	Fabricated seat or safety belts, including shoulder harnesses (except leather)..... 1,000 units..	20	X	S	614 974	29	X	27 214.5	479 521
3363603	Seats for public conveyance and aircraft.....	N	X	X	6 958 943	N	X	X	N
33636031	Seats for public conveyance and aircraft.....	N	X	X	6 941 843	N	X	X	N
3363603101	Seats for public conveyances (except aircraft), including automobiles, trucks, buses, and van conversions.....	70	X	X	6 545 096	75	X	X	2 631 706
3363603104	Seats for aircraft.....	9	X	X	396 747	13	X	X	355 589

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
336360	Motor vehicle fabric accessories and seats—Con.								
3363603	Seats for public conveyance and aircraft—Con.								
3363603Y	Seats for public conveyance and aircraft, nsk	N	X	X	17 100	N	X	X	N
3363603YVV	Seats for public conveyance and aircraft, nsk	N	X	X	17 100	N	X	X	N
336360W	Motor vehicle fabric accessories and seats, nsk	N	X	X	161 290	N	X	X	N
336360WY	Motor vehicle fabric accessories and seats, nsk	N	X	X	161 290	N	X	X	N
336360WYWW	Motor vehicle fabric accessories and seats, nsk, for nonadministrative-record establishments	N	X	X	139 489	N	X	X	N
336360WYWY	Motor vehicle fabric accessories and seats, nsk, for administrative-record establishments	N	X	X	21 801	N	X	X	N
336370	Motor vehicle metal stampings	N	X	X	22 678 869	N	X	X	15 866 513
3363700	Automotive job stampings (truck, bus, and passenger car)	N	X	X	22 678 869	N	X	X	15 866 513
33637001	Automotive job stampings (truck, bus, and passenger car)	N	X	X	22 534 654	N	X	X	N
3363700100	Automotive job stampings (truck, bus, and passenger car)	783	X	X	22 534 654	N	X	X	N
3363700Y	Automotive job stampings (truck, bus, and passenger car)	N	X	X	144 215	N	X	X	N
3363700YWW	Automotive stampings, nsk, for nonadministrative-record establishments	N	X	X	20	N	X	X	N
3363700YWY	Automotive stampings, nsk, for administrative-record establishments	N	X	X	144 195	N	X	X	34 424
336391	Motor vehicle air-conditioning units and systems	N	X	X	4 225 742	N	X	X	N
3363917	Motor vehicle mechanical air-conditioning systems	N	X	X	2 266 279	N	X	X	N
33639170	Motor vehicle mechanical air-conditioning systems	N	X	X	2 266 279	N	X	X	N
3363917010	Motor vehicle mechanical air-conditioning systems for passenger automobiles	21	X	X	1 592 434	N	X	X	N
3363917020	Motor vehicle mechanical air-conditioning systems for buses	9	X	X	143 004	N	X	X	N
3363917030	Other motor vehicle mechanical air-conditioning systems	12	X	X	530 841	N	X	X	N
3363917Y	Motor vehicle mechanical air-conditioning systems, nsk	N	X	X	—	N	X	X	N
3363917YVV	Motor vehicle mechanical air-conditioning systems, nsk	N	X	X	—	N	X	X	N
336391B	Automotive air-conditioning compressors (open-type, with or without motor)	N	X	X	1 937 805	N	X	X	N
336391B0	Automotive air-conditioning compressors (open-type, with or without motor)	N	X	X	1 937 805	N	X	X	N
336391B000	Automotive air-conditioning compressors (open-type, with or without motor)	13	X	X	1 937 805	N	X	X	N
336391W	Refrigeration and heating equipment, nsk, total	N	X	X	21 658	N	X	X	N
336391WY	Refrigeration and heating equipment, nsk, total	N	X	X	21 658	N	X	X	N
336391WYWW	Refrigeration and heating equipment, nsk, for nonadministrative-record establishments	N	X	X	160	N	X	X	N
336391WYWY	Refrigeration and heating equipment, nsk, for administrative-record establishments	N	X	X	21 498	N	X	X	N
336399	Motor vehicle parts, nec	N	X	X	35 521 416	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
336399	Motor vehicle parts, nec— Con.								
3363991	Filters for internal combustion engines and motor vehicles, new	N	X	X	2 463 396	N	X	X	2 155 545
33639911	Filters for internal combustion engines and motor vehicles, new	N	X	X	2 374 703	N	X	X	N
3363991101	Oil filters for internal combustion engines and motor vehicles, new, light-duty (car and light truck)	11	X	X	597 632	13	X	X	664 776
3363991104	Oil filters for internal combustion engines and motor vehicles, new, heavy-duty	10	X	X	350 201	9	X	X	288 977
3363991107	Fuel filters for internal combustion engines and motor vehicles, new, light-duty (car and light truck)	17	X	X	294 291	17	X	X	205 930
3363991111	Fuel filters for internal combustion engines and motor vehicles, new, heavy-duty	6	X	X	220 184	9	X	X	157 322
3363991113	Air filters for internal combustion engines and motor vehicles, new, light-duty (car and light truck)	19	X	X	387 326	18	X	X	267 540
3363991116	Air filters for internal combustion engines and motor vehicles, new, heavy-duty	9	X	X	325 320	12	X	X	330 139
3363991119	Other filters for internal combustion engines and motor vehicles, new, including coolant and hydraulic	12	X	X	199 749	14	X	X	236 234
3363991Y	Filters for internal combustion engines and motor vehicles, new, nsk	N	X	X	88 693	N	X	X	N
3363991YVV	Filters for internal combustion engines and motor vehicles, new, nsk	N	X	X	88 693	N	X	X	4 627
3363993	Exhaust system parts, new	N	X	X	5 035 692	N	X	X	3 187 580
33639931	Exhaust system parts, new	N	X	X	4 999 226	N	X	X	N
3363993101	Exhaust system mufflers, including standard, sports or glass pack, and resonators, new, for motor vehicles	29	X	X	1 097 629	27	X	X	924 079
3363993104	Exhaust system pipes, including exhaust, intermediate, connecting, crossover, tail, and side pipes	37	X	X	1 308 998	32	X	X	627 578
3363993107	Exhaust system catalytic converters, new, for motor vehicles	18	X	X	2 592 599	15	X	X	1 622 609
3363993Y	Exhaust system parts, new, nsk	N	X	X	36 466	N	X	X	N
3363993YVV	Exhaust system parts, new, nsk	N	X	X	36 466	N	X	X	13 314
3363995	Motor vehicle wheels, new	N	X	X	3 439 804	N	X	X	1 943 175
33639951	Motor vehicle wheels, new	N	X	X	3 347 404	N	X	X	N
3363995101	Car and light truck wheels, steel, new	14	X	X	980 441	14	X	X	N
3363995104	Car and light truck wheels, aluminum, new	23	X	X	1 655 098	20	X	X	847 857
3363995107	Other car and light truck wheels, including combination, new	6	X	X	192 622	3	X	X	N
3363995111	Heavy truck and bus type wheels, including those for truck trailers and trailer coaches	12	X	X	519 243	10	X	X	331 102
3363995Y	Motor vehicle wheels, new, nsk	N	X	X	92 400	N	X	X	N
3363995YVV	Motor vehicle wheels, new, nsk	N	X	X	92 400	N	X	X	32 846
3363997	Other motor vehicle parts and accessories, new and rebuilt	N	X	X	22 691 034	N	X	X	N
33639971	Motor vehicle bumper assemblies, bumpers, and parts, new	N	X	X	1 240 143	N	X	X	N
3363997101	Motor vehicle bumper assemblies, bumpers, and parts, new	44	X	X	1 240 143	43	X	X	912 163
33639972	Motor vehicle frames, new	N	X	X	1 865 584	N	X	X	N
3363997204	Motor vehicle frames, new	22	X	X	1 865 584	18	X	X	887 622
33639973	Motor vehicle fuel tanks, new	N	X	X	818 795	N	X	X	N
3363997307	Motor vehicle fuel tanks, new	15	X	X	818 795	15	X	X	407 788
33639974	Radiators, radiator shells and cores, new	N	X	X	1 562 139	N	X	X	N
3363997401	Gasoline engine radiators, complete, new, for motor vehicles	27	X	X	1 380 220	25	X	X	780 146
3363997405	Gasoline engine radiator shells and cores, new, for motor vehicles	19	X	X	127 183	15	X	X	70 362
3363997409	Stationary engine radiators for internal combustion engines, except aircraft and gasoline automotive engines and gas turbines	8	X	X	54 736	7	X	X	30 539

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
336399	Motor vehicle parts, nec—Con.								
3363997	Other motor vehicle parts and accessories, new and rebuilt—Con.								
33639975	All other motor vehicle parts, new and rebuilt.....	N	X	X	16 683 441	N	X	X	N
3363997514	Motor vehicle air-conditioning hose assemblies, new.....	17	X	X	564 951	19	X	X	483 326
3363997524	Motor vehicle windshield wiper blades, new.....	6	X	X	399 018	6	X	X	221 093
3363997527	Motor vehicle convertible tops, new.....	8	X	X	201 447	12	X	X	191 535
3363997531	Motor vehicle sunroofs and parts, new.....	14	X	X	470 367	10	X	X	38 431
3363997534	Motor vehicle air bag assemblies and parts thereof, new.....	20	X	X	4 126 461	24	X	X	1 597 624
3363997551	All other motor vehicle parts and accessories for cars, trucks, and buses, new.....	308	X	X	10 670 185	N	X	X	N
3363997554	Other rebuilt motor vehicle parts, excluding carburetors and engine electrical equipment.....	29	X	X	251 012	N	X	X	N
3363997Y	All other motor vehicle parts and accessories, new and rebuilt, nsk.....	N	X	X	520 932	N	X	X	N
3363997YWV	All other motor vehicle parts and accessories, new and rebuilt, nsk.....	N	X	X	520 932	N	X	X	N
336399W	Other motor vehicle parts and accessories, nsk, total.....	N	X	X	1 891 490	N	X	X	N
336399WY	Other motor vehicle parts and accessories, nsk, total.....	N	X	X	1 891 490	N	X	X	N
336399WYWW	Other motor vehicle parts and accessories, nsk, for nonadministrative-record establishments.....	N	X	X	1 600 165	N	X	X	N
336399WYWY	Other motor vehicle parts and accessories, nsk, for administrative-record establishments.....	N	X	X	291 325	N	X	X	N
336411	Aircraft.....	N	X	X	51 484 454	N	X	X	56 569 280
3364111	Military aircraft (including all aircraft for U.S. military and any other aircraft built to military specifications).....	N	X	X	11 899 471	N	X	X	16 664 564
33641111	Military aircraft (including all aircraft for U.S. military and any other aircraft built to military specifications).....	N	X	X	11 899 471	N	X	X	N
3364111100	Military aircraft (including all aircraft for U.S. military and any other aircraft built to military specifications).....	19	X	X	11 899 471	25	X	X	16 664 564
3364113	Civilian aircraft @.....	N	X	X	30 690 008	N	X	X	31 362 648
33641130	Civilian aircraft.....	N	X	X	30 690 008	N	X	X	N
3364113000	Civilian aircraft.....	36	X	X	30 690 008	34	X	X	31 362 648
3364115	Modification, conversion, and overhaul of previously accepted aircraft.....	N	X	X	5 084 547	N	X	X	3 860 224
33641151	Modification, conversion, and overhaul of previously accepted aircraft.....	N	X	X	5 034 734	N	X	X	N
3364115101	Modification, conversion, and overhaul of U.S. military aircraft and all other aircraft built to military specifications.....	15	X	X	3 683 926	21	X	X	2 621 986
3364115104	Modification, conversion, and overhaul of previously accepted aircraft for civilian customers.....	39	X	X	1 350 808	33	X	X	1 231 828
3364115Y	Modification, conversion, and overhaul of previously accepted aircraft, nsk.....	N	X	X	49 813	N	X	X	N
3364115YWV	Modification, conversion, and overhaul of previously accepted aircraft, nsk.....	N	X	X	49 813	N	X	X	6 410
3364117	Other aeronautical services on complete aircraft, nec.....	N	X	X	3 413 659	N	X	X	4 442 987
33641171	Other aeronautical services on complete aircraft, nec.....	N	X	X	3 393 069	N	X	X	N
3364117101	Research and development on complete aircraft for military customers.....	5	X	X	675 582	5	X	X	1 564 015
3364117104	All other aeronautical services on complete aircraft for military customers.....	12	X	X	1 205 119	15	X	X	2 225 476
3364117107	Research and development on complete aircraft for civilian customers.....	5	X	X	D	3	X	X	N
3364117111	All other aeronautical services on complete aircraft for civilian customers.....	17	X	X	D	14	X	X	N
3364117Y	Other aeronautical services on complete aircraft, nec, nsk.....	N	X	X	20 590	N	X	X	N
3364117YWV	Other aeronautical services on complete aircraft, nec, nsk.....	N	X	X	20 590	N	X	X	2 711

Table 1. Products Statistics: 1997 and 1992—Con.

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NAICS product code	Product	1997				1992			
		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
336411	Aircraft—Con.								
336411W	Aircraft manufacturing, nsk, total	N	X	X	396 769	N	X	X	238 857
336411WY	Aircraft manufacturing, nsk, total	N	X	X	396 769	N	X	X	N
336411WYWW	Aircraft manufacturing, nsk, for nonadministrative-record establishments	N	X	X	396 769	N	X	X	238 857
336411WYWY	Aircraft manufacturing, nsk, for administrative-record establishments	N	X	X	—	N	X	X	—
336412	Aircraft engines and engine parts	N	X	X	20 077 240	N	X	X	20 932 579
3364121	Military aircraft engines (and any other aircraft built to military specifications)	N	X	X	1 714 270	N	X	X	3 260 415
33641211	Military aircraft engines (and any other aircraft built to military specifications)	N	X	X	1 714 270	N	X	X	N
3364121100	Military aircraft engines (and any other aircraft built to military specifications)	21	X	X	1 714 270	28	X	X	3 260 415
3364123	Civilian aircraft engines @	N	X	X	5 372 076	N	X	X	6 667 521
33641230	Civilian aircraft engines	N	X	X	5 372 076	N	X	X	N
3364123000	Civilian aircraft engines	42	X	X	5 372 076	35	X	X	6 667 521
3364125	Aeronautical services on aircraft engines	N	X	X	3 220 840	N	X	X	2 678 510
33641251	Aeronautical services on aircraft engines	N	X	X	3 008 837	N	X	X	N
3364125101	Research and development work on U.S. military aircraft engines and all other engines built to military specifications	9	X	X	D	14	X	X	N
3364125104	Research and development work on civilian aircraft engines	8	X	X	D	16	X	X	N
3364125107	All other aeronautical services on U.S. military aircraft engines and all other engines built to military specifications	15	X	X	732 241	15	X	X	758 692
3364125111	All other aeronautical services on civilian aircraft engines	20	X	X	1 513 859	18	X	X	737 326
3364125Y	Aeronautical services on aircraft engines, nsk	N	X	X	212 003	N	X	X	N
3364125YWV	Aeronautical services on aircraft engines, nsk	N	X	X	212 003	N	X	X	2 455
3364127	Aircraft engine parts and accessories	N	X	X	9 355 897	N	X	X	7 965 191
33641271	Parts and accessories for spark ignition reciprocating or rotary internal combustion military aircraft engines	N	X	X	1 880 583	N	X	X	N
3364127101	Parts and accessories for spark ignition reciprocating or rotary internal combustion military aircraft engines	32	X	X	1 880 583	56	X	X	1 632 422
33641272	Parts and accessories for other military aircraft engines	N	X	X	646 988	N	X	X	N
3364127204	Parts and accessories for other military aircraft engines	67	X	X	646 988	72	X	X	1 519 377
33641273	Parts and accessories for spark ignition reciprocating or rotary internal combustion civilian aircraft engines	N	X	X	4 158 356	N	X	X	N
3364127307	Parts and accessories for spark ignition reciprocating or rotary internal combustion civilian aircraft engines	59	X	X	4 158 356	79	X	X	1 960 438
33641274	Parts and accessories for other civilian aircraft engines	N	X	X	2 058 653	N	X	X	N
3364127411	Parts and accessories for other civilian aircraft engines	84	X	X	2 058 653	79	X	X	2 664 458
3364127Y	Aircraft engine parts and accessories, nsk	N	X	X	611 317	N	X	X	N
3364127YWV	Aircraft engine parts and accessories, nsk	N	X	X	611 317	N	X	X	188 496
336412W	Aircraft engines and engine parts manufacturing, nsk, total	N	X	X	414 157	N	X	X	360 942
336412WY	Aircraft engines and engine parts manufacturing, nsk, total	N	X	X	414 157	N	X	X	N
336412WYWW	Aircraft engines and engine parts manufacturing, nsk, for nonadministrative-record establishments	N	X	X	364 729	N	X	X	321 787
336412WYWY	Aircraft engines and engine parts manufacturing, nsk, for administrative-record establishments	N	X	X	49 428	N	X	X	39 155

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		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
336413	Aircraft parts and auxiliary equipment, nec	N	X	X	22 917 132	N	X	X	N
3364131	Aircraft propellers and helicopter rotors	N	X	X	1 021 234	N	X	X	532 271
33641311	Aircraft propellers and helicopter rotors	N	X	X	984 211	N	X	X	N
3364131101	Complete aircraft propellers, excluding helicopter rotors	10	X	X	100 679	9	X	X	86 521
3364131104	Aircraft propeller blades	10	X	X	80 490	9	X	X	64 459
3364131107	Aircraft propeller parts, except propeller blades	10	X	X	95 390	13	X	X	82 071
3364131111	Helicopter rotors and parts	29	X	X	707 652	31	X	X	282 361
3364131Y	Aircraft propellers and helicopter rotors, nsk	N	X	X	37 023	N	X	X	N
3364131YVV	Aircraft propellers and helicopter rotors, nsk	N	X	X	37 023	N	X	X	16 859
3364133	Research and development on aircraft parts (except engines)	N	X	X	1 120 600	N	X	X	1 311 085
33641331	Research and development on aircraft parts (except engines)	N	X	X	1 113 827	N	X	X	N
3364133101	Research and development on U.S. military aircraft parts (except engines) and all other aircraft parts built to military specifications	22	X	X	1 042 508	N	X	X	N
3364133104	Research and development on civilian aircraft parts (except engines)	18	X	X	71 319	N	X	X	N
3364133Y	Research and development on aircraft parts (except engines), nsk	N	X	X	6 773	N	X	X	N
3364133YVV	Research and development on aircraft parts (except engines), nsk	N	X	X	6 773	N	X	X	466
3364135	Aircraft parts and auxiliary equipment, excluding hydraulic and pneumatic subassemblies and engines	N	X	X	19 881 716	N	X	X	18 246 728
33641351	Aircraft mechanical power transmission equipment for civilian and U.S. military aircraft	N	X	X	1 124 130	N	X	X	N
3364135101	Aircraft mechanical power transmission equipment for U.S. military aircraft and all other aircraft built to military specifications	21	X	X	472 597	27	X	X	589 155
3364135104	Aircraft mechanical power transmission equipment for civilian aircraft	19	X	X	651 533	23	X	X	749 756
33641352	Aircraft landing gear	N	X	X	870 534	N	X	X	N
3364135207	Aircraft landing gear for U.S. military aircraft and all other aircraft built to military specifications	20	X	X	170 308	24	X	X	872 574
3364135211	Aircraft landing gear for civilian aircraft	27	X	X	700 226	31	X	X	630 944
33641353	Other aircraft subassemblies and parts for U.S. military aircraft and all other aircraft built to military specifications	N	X	X	5 268 619	N	X	X	N
3364135313	Other aircraft subassemblies and parts for U.S. military aircraft and all other aircraft built to military specifications	176	X	X	5 268 619	204	X	X	3 854 210
33641354	Other aircraft subassemblies and parts for civilian aircraft	N	X	X	12 592 276	N	X	X	N
3364135416	Other aircraft subassemblies and parts for civilian aircraft	256	X	X	12 592 276	237	X	X	11 489 449
3364135Y	Aircraft parts and auxiliary equipment, excluding hydraulic and pneumatic subassemblies and engines, nsk	N	X	X	26 157	N	X	X	N
3364135YVV	Aircraft parts and auxiliary equipment, excluding hydraulic and pneumatic subassemblies and engines, nsk	N	X	X	26 157	N	X	X	60 640
336413W	Aircraft parts and auxiliary equipment, nec, nsk, total	N	X	X	893 582	N	X	X	N
336413WY	Aircraft parts and auxiliary equipment, nec, nsk, total	N	X	X	893 582	N	X	X	N
336413WYWW	Aircraft parts and auxiliary equipment, nec, nsk, for nonadministrative-record establishments	N	X	X	418 876	N	X	X	N
336413WYWY	Aircraft parts and auxiliary equipment, nec, nsk, for administrative-record establishments	N	X	X	474 706	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
336414	Guided missiles and space vehicles	N	X	X	12 465 433	N	X	X	13 972 083
3364141	Complete guided missiles	N	X	X	1 689 379	N	X	X	4 064 782
33641411	Complete guided missiles	N	X	X	1 689 379	N	X	X	N
3364141100	Complete guided missiles	5	X	X	1 689 379	11	X	X	4 064 782
3364143	Research and development on complete guided missiles	N	X	X	2 271 322	N	X	X	1 351 807
33641431	Research and development on complete guided missiles	N	X	X	2 271 322	N	X	X	N
3364143100	Research and development on complete guided missiles	5	X	X	2 271 322	12	X	X	1 351 807
3364145	Other services on complete guided missiles	N	X	X	D	N	X	X	1 354 797
33641451	Other services on complete guided missiles	N	X	X	D	N	X	X	N
3364145100	Other services on complete guided missiles	3	X	X	D	13	X	X	1 354 797
3364147	Complete space vehicles (excluding propulsion systems)	N	X	X	D	N	X	X	5 797 129
33641471	Complete space vehicles (excluding propulsion systems) for U.S. Government military customers	N	X	X	D	N	X	X	N
3364147101	Complete space vehicles (excluding propulsion systems) for U.S. Government military customers	7	X	X	D	8	X	X	4 409 424
33641472	Complete space vehicles (excluding propulsion systems) for other customers	N	X	X	D	N	X	X	N
3364147204	Complete space vehicles (excluding propulsion systems) for other customers	5	X	X	D	6	X	X	1 387 705
3364147Y	Complete space vehicles (excluding propulsion systems), nsk	N	X	X	—	N	X	X	N
3364147YVV	Complete space vehicles (excluding propulsion systems), nsk	N	X	X	—	N	X	X	—
3364149	Research and development on complete space vehicles	N	X	X	729 855	N	X	X	588 239
33641491	Research and development on complete space vehicles	N	X	X	729 855	N	X	X	N
3364149101	Research and development on complete space vehicles for U.S. Government military customers	8	X	X	D	8	X	X	219 119
3364149104	Research and development on complete space vehicles for other customers	4	X	X	D	6	X	X	369 120
3364149Y	Research and development on complete space vehicles, nsk	N	X	X	—	N	X	X	N
3364149YVV	Research and development on complete space vehicles, nsk	N	X	X	—	N	X	X	—
336414A	All other services on complete space vehicles	N	X	X	1 099 673	N	X	X	814 844
336414A1	All other services on complete space vehicles	N	X	X	1 099 673	N	X	X	N
336414A101	All other services on complete space vehicles for U.S. Government military customers	8	X	X	579 050	6	X	X	706 211
336414A104	All other services on complete space vehicles for other customers	6	X	X	520 623	6	X	X	108 633
336414AY	All other services on complete space vehicles, nsk	N	X	X	—	N	X	X	N
336414AYVV	All other services on complete space vehicles, nsk	N	X	X	—	N	X	X	—
336414W	Guided missile and space vehicle manufacturing, nsk, total	N	X	X	9 645	N	X	X	485
336414WY	Guided missile and space vehicle manufacturing, nsk, total	N	X	X	9 645	N	X	X	N
336414WYWW	Guided missile and space vehicle manufacturing, nsk, for nonadministrative-record establishments	N	X	X	9 645	N	X	X	485
336414WYWY	Guided missile and space vehicle manufacturing, nsk, for administrative-record establishments	N	X	X	—	N	X	X	—

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
336415	Guided missile and space vehicle propulsion units and propulsion unit parts	N	X	X	4 743 002	N	X	X	5 206 578
3364151	Complete missile or space vehicle engines and-or propulsion units	N	X	X	2 652 635	N	X	X	2 649 484
33641511	Complete missile or space vehicle engines and-or propulsion units for U.S. Government military customers	N	X	X	1 477 061	N	X	X	N
3364151101	Complete missile or space vehicle engines and-or propulsion units for U.S. Government military customers	11	X	X	1 477 061	9	X	X	1 274 128
33641512	Complete missile or space vehicle engines and-or propulsion units for U.S. Government nonmilitary customers	N	X	X	D	N	X	X	N
3364151204	Complete missile or space vehicle engines and-or propulsion units for U.S. Government nonmilitary customers	6	X	X	D	7	X	X	1 078 272
33641513	Complete missile or space vehicle engines and-or propulsion units for other customers	N	X	X	D	N	X	X	N
3364151307	Complete missile or space vehicle engines and-or propulsion units for other customers	9	X	X	D	10	X	X	297 084
3364151Y	Complete missile or space vehicle engines and-or propulsion units, nsk	N	X	X	6 262	N	X	X	N
3364151YWV	Complete missile or space vehicle engines and-or propulsion units, nsk	N	X	X	6 262	N	X	X	—
3364153	Research and development on complete missile or space vehicle engines and-or propulsion units	N	X	X	1 273 822	N	X	X	620 431
33641531	Research and development on complete missile or space vehicle engines and-or propulsion units	N	X	X	1 273 822	N	X	X	N
3364153101	Research and development on complete missile or space vehicle engines and-or propulsion units for U.S. Government military customers	13	X	X	1 164 926	12	X	X	433 274
3364153104	Research and development on complete missile or space vehicle engines and-or propulsion units for U.S. Government nonmilitary customers	6	X	X	15 281	5	X	X	123 052
3364153107	Research and development on complete missile or space vehicle engines and-or propulsion units for other customers	6	X	X	93 615	8	X	X	63 105
3364153Y	Research and development on complete missile or space vehicle engines and-or propulsion units, nsk	N	X	X	—	N	X	X	N
3364153YWV	Research and development on complete missile or space vehicle engines and-or propulsion units, nsk	N	X	X	—	N	X	X	1 000
3364155	Other services on complete missile or space vehicle engines and-or propulsion units	N	X	X	323 683	N	X	X	1 304 600
33641551	Other services on complete missile or space vehicle engines and-or propulsion units	N	X	X	323 683	N	X	X	N
3364155101	Other services on complete missile or space vehicle engines and-or propulsion units for U.S. Government military customers	9	X	X	D	8	X	X	D
3364155104	Other services on complete missile or space vehicle engines and-or propulsion units for U.S. Government nonmilitary customers	4	X	X	D	5	X	X	D
3364155107	Other services on complete missile or space vehicle engines and-or propulsion units for other customers	3	X	X	D	4	X	X	D
3364155Y	Other services on complete missile or space vehicle engines and-or propulsion units, nsk	N	X	X	—	N	X	X	N
3364155YWV	Other services on complete missile or space vehicle engines and-or propulsion units, nsk	N	X	X	—	N	X	X	—

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		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
336415	Guided missile and space vehicle propulsion units and propulsion unit parts—Con.								
3364157	Missile and space vehicle engine and-or propulsion parts and accessories	N	X	X	461 637	N	X	X	626 209
33641571	Missile and space vehicle engine and-or propulsion parts and accessories	N	X	X	461 569	N	X	X	N
3364157101	Missile and space vehicle engine and-or propulsion parts and accessories for U.S. Government military customers	18	X	X	323 009	28	X	X	500 210
3364157104	Missile and space vehicle engine and-or propulsion parts and accessories for U.S. Government nonmilitary customers	11	X	X	48 500	15	X	X	56 552
3364157107	Missile and space vehicle engine and-or propulsion parts and accessories for other customers	17	X	X	90 060	19	X	X	65 552
3364157Y	Missile and space vehicle engine and-or propulsion parts and accessories, nsk	N	X	X	68	N	X	X	N
3364157YWV	Missile and space vehicle engine and-or propulsion parts and accessories, nsk	N	X	X	68	N	X	X	3 895
336415W	Space propulsion units and parts, nsk, total	N	X	X	D	N	X	X	5 854
336415WY	Space propulsion units and parts, nsk, total	N	X	X	31 225	N	X	X	N
336415WYWW	Space propulsion units and parts, nsk, for nonadministrative-record establishments	N	X	X	31 225	N	X	X	5 854
336415WYWY	Space propulsion units and parts, nsk, for administrative-record establishments	N	X	X	—	N	X	X	—
336419	Guided missile and space vehicle parts and auxiliary equipment, nec	N	X	X	2 874 097	N	X	X	4 179 121
3364191	Missile and space vehicle components, parts, and subassemblies	N	X	X	2 524 432	N	X	X	3 449 463
33641911	Missile and space vehicle airframes and space capsules for U.S. Government military customers	N	X	X	266 391	N	X	X	N
3364191101	Missile and space vehicle airframes for U.S. Government military customers	8	X	X	D	8	X	X	113 916
3364191104	Missile and space capsules for U.S. Government military customers	3	X	X	D	10	X	X	158 241
33641912	All other missile and space vehicle components, parts, and subassemblies for U.S. Government military customers	N	X	X	764 987	N	X	X	N
3364191207	All other missile and space vehicle components, parts, and subassemblies for U.S. Government military customers	32	X	X	764 987	54	X	X	2 070 357
33641913	Missile and space vehicle components, parts, and subassemblies for U.S. Government nonmilitary customers	N	X	X	1 228 555	N	X	X	N
3364191311	Missile and space vehicle components, parts, and subassemblies for U.S. Government nonmilitary customers	15	X	X	1 228 555	16	X	X	917 418
33641914	Missile and space vehicle components, parts, and subassemblies for other customers	N	X	X	246 802	N	X	X	N
3364191413	Missile and space vehicle components, parts, and subassemblies for other customers	17	X	X	246 802	18	X	X	166 553
3364191Y	Missile and space vehicle components, parts, and subassemblies, nsk	N	X	X	17 697	N	X	X	N
3364191YWV	Missile and space vehicle components, parts, and subassemblies, nsk	N	X	X	17 697	N	X	X	22 978
3364193	Research and development on missile and space vehicle parts and components, nec	N	X	X	329 406	N	X	X	705 128

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
336419	Guided missile and space vehicle parts and auxiliary equipment, nec—Con.								
3364193	Research and development on missile and space vehicle parts and components, nec—Con.								
33641931	Research and development on missile and space vehicle parts and components, nec	N	X	X	328 305	N	X	X	N
3364193101	Research and development on missile and space vehicle airframes and space capsules for U.S. Government military customers	4	X	X	D	5	X	X	87 791
3364193104	All other research and development on missile and space vehicle parts and components for U.S. Government military customers	8	X	X	D	19	X	X	422 204
3364193107	Research and development on missile and space vehicle parts and components for U.S. Government nonmilitary customers	7	X	X	D	8	X	X	139 117
3364193111	Research and development on missile and space vehicle parts and components for other customers	6	X	X	D	6	X	X	38 515
3364193Y	Research and development on missile and space vehicle parts and components, nec, nsk	N	X	X	1 101	N	X	X	N
3364193YWV	Research and development on missile and space vehicle parts and components, nec, nsk	N	X	X	1 101	N	X	X	17 501
336419W	Other guided missile and space vehicle parts and auxiliary equipment, nsk	N	X	X	20 259	N	X	X	24 530
336419WY	Other guided missile and space vehicle parts and auxiliary equipment, nsk	N	X	X	20 259	N	X	X	N
336419WYWW	Other guided missile and space vehicle parts and auxiliary equipment, nsk for nonadministrative-record establishments	N	X	X	6 726	N	X	X	18 586
336419WYWY	Other guided missile and space vehicle parts and auxiliary equipment, nsk for administrative-record establishments	N	X	X	13 533	N	X	X	5 944
336510	Railroad equipment	N	X	X	7 697 669	N	X	X	N
3365101	Locomotives, both new and rebuilt, and parts	N	X	X	2 952 659	N	X	X	N
33651011	Locomotives, both new and rebuilt, and parts	N	X	X	2 952 659	N	X	X	N
3365101101	New and rebuilt rail locomotives powered from an external source of electricity	—	X	X	—	N	X	X	N
3365101104	New and rebuilt diesel-electric locomotives	8	X	X	D	N	X	X	N
3365101107	Other new and rebuilt rail locomotives	3	X	X	D	N	X	X	N
3365101111	Parts for locomotives, except fuel lubricating or cooling medium pumps	33	X	X	1 008 824	N	X	X	N
3365101Y	Locomotives, both new and rebuilt, and parts, nsk	N	X	X	—	N	X	X	N
3365101YWV	Locomotives, both new and rebuilt, and parts, nsk	N	X	X	—	N	X	X	N
3365103	New freight train and passenger train cars, excluding parts	N	X	X	2 889 896	N	X	X	1 491 024
33651031	New freight train and passenger train cars, excluding parts	N	X	X	2 889 896	N	X	X	N
3365103100	New freight train and passenger train cars, excluding parts	18	X	X	2 889 896	N	X	X	N
3365105	Street, subway, trolley, and rapid transit cars, all rebuilt railcars, and parts for all railcars	N	X	X	1 741 830	N	X	X	N
33651053	Street, subway, trolley, and rapid transit cars and all rebuilt railcars	N	X	X	388 679	N	X	X	N
3365105301	Rebuilt passenger and freight train cars	17	X	X	133 112	13	X	X	103 656
3365105304	Self-propelled and nonself-propelled streetcars, subway cars, rapid transit cars, trolley buses, etc.	6	X	X	255 567	9	X	X	331 316

Table 1. Products Statistics: 1997 and 1992—Con.

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
336510	Railroad equipment—Con.								
3365105	Street, subway, trolley, and rapid transit cars, all rebuilt railcars, and parts for all railcars—Con.								
33651054	Railway maintenance of way equipment and parts, parts for all railcars, and other work and service railway vehicles (excluding locomotive cranes)	N	X	X	1 348 264	N	X	X	N
3365105405	Railway maintenance of way equipment (rail layers, ballast spreaders, etc.), excluding rail cars	13	X	X	145 529	17	X	X	88 680
3365105407	Other work and service railroad vehicles (excluding locomotive cranes)	7	X	X	36 050	10	X	X	38 654
3365105411	Airbrake equipment for railroad and streetcars	10	X	X	164 758	9	X	X	153 584
3365105413	Other brake equipment for railroad and streetcars	7	X	X	77 127	6	X	X	18 522
3365105416	Hooks and other coupling devices, buffers, and parts thereof for railroad and streetcars	8	X	X	155 304	4	X	X	30 801
3365105419	Other railroad and streetcar parts and accessories, including truck assemblies	68	X	X	769 496	N	X	X	N
3365105Y	Street, subway, trolley, and rapid transit cars, all rebuilt railcars, and parts for all railcars, nsk	N	X	X	4 887	N	X	X	N
3365105YVV	Street, subway, trolley, and rapid transit cars, all rebuilt railcars, and parts for all railcars, nsk	N	X	X	4 887	N	X	X	N
336510W	Railroad rolling stock manufacturing, nsk, total	N	X	X	113 284	N	X	X	N
336510WY	Railroad rolling stock manufacturing, nsk, total	N	X	X	113 284	N	X	X	N
336510WYWW	Railroad rolling stock manufacturing, nsk, for nonadministrative-record establishments	N	X	X	76 173	N	X	X	N
336510WYWY	Railroad rolling stock manufacturing, nsk, for administrative-record establishments	N	X	X	37 111	N	X	X	N
336611	Ship building and repairing	N	X	X	10 260 189	N	X	X	10 381 273
3366111	Nonpropelled ships and barges, new construction	N	X	X	837 420	N	X	X	449 281
33661111	Nonpropelled ships and barges, new construction	N	X	X	837 420	N	X	X	N
3366111101	Military and nonmilitary nonpropelled barges, all types, new construction	31	X	X	583 297	23	X	X	374 355
3366111104	Military and nonmilitary nonpropelled drilling-production platforms, new construction	5	X	X	163 974	4	X	X	N
3366111107	Other military and nonmilitary nonpropelled ships (including dredges and floating docks), new construction	7	X	X	90 149	6	X	X	N
3366111Y	Nonpropelled ships, new construction, nsk	N	X	X	—	N	X	X	N
3366111YVV	Nonpropelled ships, new construction, nsk	N	X	X	—	N	X	X	14 839
3366113	Military, self-propelled ships, including combat ships, troop transport vessels, fleet auxiliaries, and service craft, new construction	N	X	X	4 780 490	N	X	X	6 034 106
33661131	Military, self-propelled ships, including combat ships, troop transport vessels, fleet auxiliaries, and service craft, new construction	N	X	X	4 780 490	N	X	X	N
3366113100	Military, self-propelled ships, including combat ships, troop transport vessels, fleet auxiliaries, and service craft, new construction	25	X	X	4 780 490	21	X	X	6 034 106
3366115	Self-propelled ships, nonmilitary, new construction	N	X	X	995 366	N	X	X	648 328
33661151	Self-propelled ships, nonmilitary, new construction	N	X	X	917 335	N	X	X	N
3366115101	Self-propelled nonmilitary yachts, 65 ft or more in length (requires a professional crew as specified by the Coast Guard), new construction	13	X	X	195 413	14	X	X	107 834
3366115107	Self-propelled nonmilitary mobile drilling-production platforms, new construction	—	X	X	D	N	X	X	—
3366115111	Self-propelled nonmilitary commercial fishing trawlers, new construction	9	X	X	28 466	9	X	X	52 342

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
336611	Ship building and repairing—Con.								
3366115	Self-propelled ships, nonmilitary, new construction—Con.								
33661151	Self-propelled ships, nonmilitary, new construction—Con.								
3366115113	Other self-propelled nonmilitary commercial fishing vessels (including seiners), new construction	5	X	X	D	14	X	X	24 374
3366115116	Self-propelled nonmilitary tugboats and towboats, including integrated tug-barge combination, new construction	15	X	X	36 071	8	X	X	10 723
3366115119	Self-propelled nonmilitary ferryboats, new construction	10	X	X	32 299	8	X	X	15 270
3366115121	Self-propelled nonmilitary fire, patrol, and pilot vessels, new construction	2	X	X	D	3	X	X	N
3366115123	Self-propelled nonmilitary support vessels for offshore drilling and mining, new construction	20	X	X	166 967	4	X	X	11 349
3366115124	Other nonmilitary ships, including container and trailer ships, dry bulk carriers, and tankers	15	X	X	448 595	N	X	X	N
3366115Y	Self-propelled ships, nonmilitary, new construction, nsk	N	X	X	78 031	N	X	X	N
3366115YVW	Self-propelled ships, nonmilitary, new construction, nsk	N	X	X	78 031	N	X	X	11 734
3366117	Ship repair, military	N	X	X	2 136 185	N	X	X	1 968 702
33661171	Ship repair, military	N	X	X	2 134 289	N	X	X	N
3366117101	Ship conversions and reconversions, military	20	X	X	1 356 853	25	X	X	384 157
3366117104	All other ship repairs, military	51	X	X	777 436	56	X	X	1 575 214
3366117Y	Ship repair, military, nsk	N	X	X	1 896	N	X	X	N
3366117YVW	Ship repair, military, nsk	N	X	X	1 896	N	X	X	9 331
3366119	Ship repair, nonmilitary	N	X	X	1 046 560	N	X	X	881 064
33661191	Ship repair, nonmilitary	N	X	X	1 042 765	N	X	X	N
3366119101	Ship conversions and reconversions, nonmilitary	34	X	X	261 532	30	X	X	117 210
3366119104	All other ship repairs, nonmilitary	149	X	X	781 233	142	X	X	724 294
3366119Y	Ship repair, nonmilitary, nsk	N	X	X	3 795	N	X	X	N
3366119YVW	Ship repair, nonmilitary, nsk	N	X	X	3 795	N	X	X	39 560
336611W	Ship building and repairing, nsk, total	N	X	X	464 168	N	X	X	399 792
336611WY	Ship building and repairing, nsk, total	N	X	X	464 168	N	X	X	N
336611WYVW	Ship building and repairing, nsk, for nonadministrative-record establishments	N	X	X	293 312	N	X	X	322 757
336611WYVW	Ship building and repairing, nsk, for administrative-record establishments	N	X	X	170 856	N	X	X	77 035
336612	Boat building	N	X	X	5 182 795	N	X	X	N
3366121	Outboard motorboats, including commercial and military (except sailboats and lifeboats)	N	X	X	1 675 652	N	X	X	1 163 871
33661211	Outboard wood or metal motorboats, including commercial and military (except sailboats and lifeboats)	N	X	X	688 037	N	X	X	N
3366121101	Outboard wood or metal runabouts	4	X	P2 065.0	25 450	19	X	919 919.0	74 701
3366121104	Outboard wood or metal utility boats	18	X	P30 683.0	57 767	21	X	52 222.0	38 115
3366121107	Outboard wood or metal pontoon boats	30	X	P32 806.0	250 121	35	X	32 497.0	161 556
3366121111	Outboard wood or metal bass boats	16	X	P16 899.0	99 927	12	X	S	86 717
3366121113	Outboard wood or metal fish and ski boats	13	X	916 647.0	126 040	N	X	X	N
3366121116	Outboard wood or metal other fish boats	18	X	930 153.0	115 659	N	X	X	N
3366121119	Other outboard wood or metal motor boats, including cabin cruisers and center consoles	10	X	X	13 073	N	X	X	N
33661212	Outboard plastics (reinforced), fiberglass motor boats, including commercial and military (except sailboats and lifeboats)	N	X	X	626 798	N	X	X	N
3366121222	Outboard plastics (reinforced), fiberglass runabouts	21	X	914 375.0	151 833	36	X	P14 562.0	120 334
3366121225	Outboard plastics (reinforced), fiberglass utility boats	7	X	743.0	8 257	13	X	S	32 036
3366121228	Outboard plastics (reinforced), fiberglass cabin cruisers	10	X	P1 359.0	40 494	18	X	X	25 418
3366121231	Outboard plastics (reinforced), fiberglass center console motorboats	30	X	P10 856.0	130 348	45	X	P9 376.0	129 108
3366121234	Outboard plastics (reinforced), fiberglass deck boats	14	X	P2 078.0	27 626	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
336612	Boat building—Con.								
3366121	Outboard motorboats, including commercial and military (except sailboats and lifeboats)—Con.								
33661212	Outboard plastics (reinforced), fiberglass motor boats, including commercial and military (except sailboats and lifeboats)—Con.								
3366121239	Outboard plastics (reinforced), fiberglass fish and ski boats (except bass boats) number..	26	X	P12 523.0	126 320	N	X	X	N
3366121243	Outboard plastics (reinforced), fiberglass other fish boats (except bass boats) number..	20	X	P6 970.0	127 630	N	X	X	N
3366121246	Other plastics (reinforced), fiberglass outboard motorboats	6	X	X	14 290	N	X	X	N
33661213	Outboard plastics (reinforced), fiberglass bass boats	N	X	X	296 822	N	X	X	N
3366121337	Outboard plastics (reinforced), fiberglass bass boats number..	20	X	27 813.0	296 822	31	X	29 199.0	246 679
3366121Y	Outboard motorboats, including commercial and military (except sailboats and lifeboats), nsk	N	X	X	63 995	N	X	X	N
3366121YVW	Outboard motorboats, including commercial and military (except sailboats and lifeboats), nsk	N	X	X	63 995	N	X	X	37 008
3366123	Inboard motorboats, including commercial and military (except sailboats and lifeboats)	N	X	X	1 287 343	N	X	X	732 208
33661231	Inboard cabin cruisers, including commercial and military (except sailboats and lifeboats)	N	X	X	975 903	N	X	X	N
3366123104	Inboard cabin cruisers, less than 40 ft (12.19 m) in length number..	39	X	4 376.0	475 769	45	X	P3 502.0	250 732
3366123107	Inboard cabin cruisers, 40 ft (12.19 m) or more in length (professional crew not required by Coast Guard) number..	42	X	P1 553.0	500 134	29	X	X	177 794
33661232	Other inboard motorboats, including commercial and military (except sailboats and lifeboats)	N	X	X	298 726	N	X	X	N
3366123201	Inboard runabouts number..	23	X	P13 506.0	226 651	22	X	X	138 210
3366123211	Other inboard motorboats (including houseboats)	25	X	X	72 075	15	X	X	57 190
3366123Y	Inboard motorboats, including commercial and military (except sailboats and lifeboats), nsk	N	X	X	12 714	N	X	X	N
3366123YVW	Inboard motorboats, including commercial and military (except sailboats and lifeboats), nsk	N	X	X	12 714	N	X	X	108 282
3366125	Inboard-outdrive boats, including commercial and military (except sailboats and lifeboats)	N	X	X	1 454 291	N	X	X	1 039 961
33661251	Inboard-outdrive cabin cruisers	N	X	X	360 693	N	X	X	N
3366125107	Inboard-outdrive cabin cruisers number..	36	X	P10 656.0	360 693	29	X	X	287 802
33661252	Other inboard-outdrive boats, including commercial and military (except sailboats and lifeboats)	N	X	X	1 069 764	N	X	X	N
3366125201	Inboard-outdrive houseboats number..	13	X	P1 254.0	59 166	11	X	P688.0	32 504
3366125204	Inboard-outdrive runabouts number..	34	X	P53 163.0	831 729	47	X	X	605 738
3366125211	Inboard-outdrive fish boats number..	20	X	3 218.0	48 944	N	X	X	N
3366125213	Other inboard-outdrive boats, including center consoles	21	X	X	129 925	N	X	X	N
3366125Y	Inboard-outdrive boats, including commercial and military (except sailboats and lifeboats), nsk	N	X	X	23 834	N	X	X	N
3366125YVW	Inboard-outdrive boats, including commercial and military (except sailboats and lifeboats), nsk	N	X	X	23 834	N	X	X	36 329
3366127	All other boats, nec (excluding military and commercial)	N	X	X	376 515	N	X	X	259 095
33661271	All other boats (excluding military and commercial)	N	X	X	372 782	N	X	X	N
3366127101	Sailboats without auxiliary motor, all sizes (excluding military and commercial) number..	16	X	6 453.0	17 956	16	X	5 760.0	16 533
3366127104	Sailboats with auxiliary motor, not more than 6.5 m (21.33 ft) in length (excluding military and commercial) number..	6	X	1 146.0	22 564	6	X	512.0	10 078
3366127107	Sailboats with auxiliary motor, more than 6.5 m (21.33 ft) but not more than 9.0 m (29.53 ft) in length (excluding military and commercial) number..	14	X	761.0	28 680	11	X	X	24 269

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
336612	Boat building—Con.								
3366127	All other boats, nec (excluding military and commercial)—Con.								
33661271	All other boats (excluding military and commercial)—Con.								
3366127111	Sailboats with auxiliary motor, more than 9.0 m (29.53 ft) but not more than 12.0 m (39.03 ft) in length (excluding military and commercial) number..	19	X	P754.0	69 772	17	X	X	46 480
3366127113	Sailboats with auxiliary motor, more than 12.0 m (39.03 ft) in length (excluding military and commercial) number..	31	X	P517.0	109 727	25	X	P280.0	52 390
3366127116	Canoes (made from all types of materials) (excluding military and commercial) number..	15	X	P73 555.0	32 570	12	X	P54 712.0	24 497
3366127119	All other boats, nec (excluding military and commercial)	46	X	X	91 513	50	X	X	77 153
3366127Y	All other boats (excluding military and commercial), nsk	N	X	X	3 733	N	X	X	N
3366127YVV	All other boats (excluding military and commercial), nsk	N	X	X	3 733	N	X	X	7 695
336612W	Boat building, nsk, total	N	X	X	388 994	N	X	X	N
336612WY	Boat building, nsk, total	N	X	X	388 994	N	X	X	N
336612WYWW	Boat building, nsk, for nonadministrative-record establishments	N	X	X	286 376	N	X	X	N
336612WYWY	Boat building, nsk, for administrative-record establishments	N	X	X	102 618	N	X	X	N
336991	Motorcycles, bicycles, and parts	N	X	X	3 084 906	N	X	X	N
3369911	Bicycles and parts (excluding children's two-wheel sidewalk cycles with solid or semipneumatic tires)	N	X	X	1 225 579	N	X	X	N
33699111	Bicycles and parts (excluding children's two-wheel sidewalk cycles with solid or semipneumatic tires)	N	X	X	1 207 338	N	X	X	N
3369911101	Bicycles, complete; wheels of all diameter and all speeds (including lightweight, road, mountain, all terrain, and cruiser type)	23	X	X	813 108	N	X	X	N
3369911104	Other cycles, including unicycles, adult tricycles, and childrens tricycles of metal tubular construction (excluding children's sidewalk bikes with solid or semipneumatic tires)	6	X	X	19 899	N	X	X	N
3369911109	Frames, forks, and parts thereof for bicycles, unicycles, and adult tricycles	30	X	X	204 873	20	X	X	44 520
3369911113	Wheel rims and spokes for bicycles, unicycles, and adult tricycles	10	X	X	11 147	10	X	X	18 265
3369911116	Seats (saddles) for bicycles, unicycles, and adult tricycles	8	X	X	9 106	5	X	X	14 408
3369911119	Pedals and crankgear and parts thereof for bicycles, unicycles, and adult tricycles	4	X	X	21 649	7	X	X	N
3369911122	Other parts for bicycles, unicycles, and adult tricycles (including hubs, brakes, freewheel sprocket wheels, and parts thereof)	36	X	X	127 556	N	X	X	N
3369911Y	Bicycles and parts (excluding children's two-wheel sidewalk cycles with solid or semipneumatic tires), nsk	N	X	X	18 241	N	X	X	N
3369911YVV	Bicycles and parts (excluding children's two-wheel sidewalk cycles with solid or semipneumatic tires), nsk	N	X	X	18 241	N	X	X	N
3369913	Motorcycles, including three-wheel, motorbikes, motor scooters, mopeds, and parts (including sidecars)	N	X	X	1 681 777	N	X	X	968 354
33699131	Motorcycles, including three-wheel, motorbikes, motor scooters, mopeds, and parts (including sidecars)	N	X	X	1 681 777	N	X	X	N
3369913100	Motorcycles, including three-wheel, motorbikes, motor scooters, mopeds, and parts (including sidecars)	58	X	X	1 681 777	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
336991	Motorcycles, bicycles, and parts—Con.								
336991W	Motorcycle, bicycle, and parts manufacturing, nsk, total	N	X	X	177 550	N	X	X	N
336991WY	Motorcycle, bicycle, and parts manufacturing, nsk, total	N	X	X	177 550	N	X	X	N
336991WYWW	Motorcycle, bicycle, and parts manufacturing, nsk, for nonadministrative-record establishments	N	X	X	105 075	N	X	X	N
336991WYWY	Motorcycle, bicycle, and parts manufacturing, nsk, for administrative-record establishments	N	X	X	72 475	N	X	X	N
336992	Military armored vehicles, tanks, and tank components	N	X	X	1 188 878	N	X	X	N
3369920	Military armored vehicles, tank, and tank components	N	X	X	1 188 878	N	X	X	N
33699201	Tanks and parts	N	X	X	900 962	N	X	X	N
3369920111	Tanks and parts	40	X	X	900 962	61	X	X	1 623 549
33699202	Self-propelled weapons and parts and other full-tracked combat vehicles and armored utility vehicles, including parts	N	X	X	263 494	N	X	X	N
3369920214	Self-propelled weapons and parts	6	X	X	D	12	X	X	N
3369920216	Military armored vehicles, including armored combat vehicles and armored wheeled tactical vehicles or carriers	1	X	X	D	N	X	X	N
3369920217	Other full-tracked combat vehicles and armored utility vehicles, including parts	16	X	X	190 817	18	X	X	N
3369920Y	Military armored vehicle, tank and tank component manufacturing, nsk, total	N	X	X	24 422	N	X	X	N
3369920YWW	Military armored vehicle, tank and tank component manufacturing, nsk, for nonadministrative-record establishments	N	X	X	23 264	N	X	X	N
3369920YWY	Military armored vehicle, tank and tank component manufacturing, nsk, for administrative-record establishments	N	X	X	1 158	N	X	X	N
336999	Transportation equipment, nec	N	X	X	4 100 375	N	X	X	N
3369991	Self-propelled golf carts and industrial in-plant personnel carriers, and parts	N	X	X	798 551	N	X	X	382 352
33699911	Self-propelled golf carts and industrial in-plant personnel carriers, and parts	N	X	X	756 110	N	X	X	N
3369991101	Self-propelled golf carts (electric and gasoline) for carrying passengers and/or industrial in-plant personnel carriers	9	X	X	636 275	8	X	X	341 544
3369991104	Parts for self-propelled golf carts and/or industrial in-plant personnel carriers	6	X	X	119 835	10	X	X	38 448
3369991Y	Self-propelled golf carts and industrial in-plant personnel carriers, and parts, nsk	N	X	X	42 441	N	X	X	N
3369991YWV	Self-propelled golf carts and industrial in-plant personnel carriers, and parts, nsk	N	X	X	42 441	N	X	X	2 360
3369993	Transportation equipment, nec, including all-terrain vehicles	N	X	X	3 076 077	N	X	X	N
33699931	All-terrain vehicles, gasoline or electric, for transport of people or goods designed to traverse all types of terrain	N	X	X	922 127	N	X	X	N
3369993101	All-terrain vehicles, gasoline or electric, for transport of people or goods designed to traverse all types of terrain	14	X	X	922 127	17	X	X	340 847
33699932	Parts for all-terrain vehicles	N	X	X	34 533	N	X	X	N
3369993204	Parts for all-terrain vehicles	15	X	X	34 533	13	X	X	12 077
33699933	Trailer hitches (for travel trailers, automobile trailers, and light duty truck trailers)	N	X	X	224 888	N	X	X	N
3369993307	Trailer hitches (for travel trailers, automobile trailers, and light duty truck trailers)	30	X	X	224 888	23	X	X	141 239
33699934	Other miscellaneous transportation equipment (including snowmobiles and personal watercraft)	N	X	X	1 449 418	N	X	X	N
3369993414	Snowmobiles	9	X	X	D	N	X	X	N
3369993417	Personal watercraft	14	X	X	457 697	N	X	X	N
3369993421	Other miscellaneous transportation equipment	65	X	X	D	N	X	X	N

Table 1. Products Statistics: 1997 and 1992—Con.

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NAICS product code	Product	1997				1992			
		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
336999	Transportation equipment, nec—Con.								
3369993	Transportation equipment, nec, including all-terrain vehicles—Con.								
33699935	Parts for automobile and light truck trailers and other transportation equipment	N	X	X	433 666	N	X	X	N
3369993513	Parts for automobile and light truck trailers and other transportation equipment	90	X	X	433 666	68	X	X	200 028
3369993Y	Transportation equipment, nec, including all-terrain vehicles, nsk	N	X	X	11 445	N	X	X	N
3369993YV	Transportation equipment, nec, including all-terrain vehicles, nsk	N	X	X	11 445	N	X	X	N
336999W	Other miscellaneous transportation equipment manufacturing, nsk, total	N	X	X	225 747	N	X	X	N
336999WY	Other miscellaneous transportation equipment manufacturing, nsk, total	N	X	X	225 747	N	X	X	N
336999WYWW	Other miscellaneous transportation equipment manufacturing, nsk, for nonadministrative-record establishments	N	X	X	186 430	N	X	X	N
336999WYWY	Other miscellaneous transportation equipment manufacturing, nsk, for administrative-record establishments	N	X	X	39 317	N	X	X	N
337110	Wood kitchen cabinets and countertops	N	X	X	8 497 433	N	X	X	N
3371101	Wood kitchen cabinets and cabinetwork, stock line	N	X	X	3 186 858	N	X	X	1 960 717
33711011	Wood kitchen cabinets and cabinetwork, stock line	N	X	X	3 054 164	N	X	X	N
3371101111	Wood kitchen cabinets and cabinetwork, stock line, except plastics laminated	1,000 cabinets..	349	X	P28 155.4	279	X	P21 357.9	1 671 126
3371101121	Wood kitchen cabinets and cabinetwork, stock line, plastics laminated		92	X	352 709	100	X	X	176 490
3371101Y	Wood kitchen cabinets and cabinetwork, stock line, nsk	N	X	X	132 694	N	X	X	N
3371101YV	Wood kitchen cabinets and cabinetwork, stock line, nsk	N	X	X	132 694	N	X	X	113 101
3371104	Wood kitchen cabinets and cabinetwork, custom, except sold directly to customer at retail	N	X	X	1 822 292	N	X	X	1 418 315
33711041	Wood kitchen cabinets and cabinetwork, custom, except sold directly to customer at retail	N	X	X	1 633 749	N	X	X	N
3371104111	Wood kitchen cabinets and cabinetwork, custom, except plastics laminated, except sold directly to customer at retail	1 039	X	X	1 386 589	1 047	X	X	929 107
3371104121	Wood kitchen cabinets and cabinetwork, custom, plastics laminated, except sold directly to customer at retail		384	X	247 160	448	X	X	303 477
3371104Y	Wood kitchen cabinets and cabinetwork, custom, nsk	N	X	X	188 543	N	X	X	N
3371104YV	Wood kitchen cabinets and cabinetwork, custom, nsk	N	X	X	188 543	N	X	X	185 731
3371107	Wood vanities and other cabinetwork	N	X	X	884 669	N	X	X	529 988
33711071	Wood vanities and other cabinetwork	N	X	X	797 242	N	X	X	N
3371107111	Wood vanities and other cabinetwork, stock line	1,000 units..	118	X	P6 883.2	121	X	P3 048.1	269 863
3371107121	Wood vanities and other cabinetwork, custom		461	X	251 867	421	X	X	206 884
3371107Y	Vanities and other cabinetwork, nsk	N	X	X	87 427	N	X	X	N
3371107YV	Vanities and other cabinetwork, nsk	N	X	X	87 427	N	X	X	53 241
337110A	Plastics laminated wood kitchen cabinet tops	N	X	X	641 074	N	X	X	N
337110A1	Plastics laminated wood kitchen cabinet tops	N	X	X	472 415	N	X	X	N
337110A111	Plastics laminated wood kitchen cabinet tops, stock line		114	X	239 492	N	X	X	N
337110A121	Plastics laminated wood kitchen cabinet tops, custom		247	X	232 923	N	X	X	N
337110AY	Plastics laminated wood kitchen cabinet tops, nsk	N	X	X	168 659	N	X	X	N
337110AYV	Plastics laminated wood kitchen cabinet tops, nsk	N	X	X	168 659	N	X	X	N

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NAICS product code	Product	1997				1992			
		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
337110	Wood kitchen cabinets and countertops—Con.								
337110E	Plastics laminated fixture tops (including drainboards and tops for sinks, cabinets, counters, and fixtures), except kitchen	N	X	X	135 886	N	X	X	N
337110E1	Plastics laminated wood cabinet tops, except kitchen	N	X	X	134 452	N	X	X	N
337110E111	Plastics laminated wood cabinet tops, except kitchen, stock line	58	X	X	51 091	N	X	X	N
337110E121	Plastics laminated wood cabinet tops, except kitchen, custom	137	X	X	83 361	N	X	X	N
337110EY	Plastics laminated wood cabinet tops, except kitchen, nsk	N	X	X	1 434	N	X	X	N
337110EYWV	Plastics laminated wood cabinet tops, except kitchen, nsk	N	X	X	1 434	N	X	X	N
337110H	Wood kitchen cabinets and cabinetwork (permanent installation), custom, sold directly to customer at retail	N	X	X	393 565	N	X	X	N
337110H1	Wood kitchen cabinets and cabinetwork (permanent installation), custom, sold directly to customer at retail	N	X	X	393 565	N	X	X	N
337110H100	Wood kitchen cabinets and cabinetwork (permanent installation), custom, sold directly to customer at retail	669	X	X	393 565	N	X	X	N
337110W	Wood kitchen cabinet and countertops, nsk, total	N	X	X	1 433 089	N	X	X	N
337110WY	Wood kitchen cabinet and countertop manufacturing, nsk, total	N	X	X	1 433 089	N	X	X	N
337110WYWW	Wood kitchen cabinet and countertop manufacturing, nsk, for nonadministrative-record establishments	N	X	X	808 686	N	X	X	N
337110WYWY	Wood kitchen cabinet and countertop manufacturing, nsk, for administrative-record establishments	N	X	X	624 403	N	X	X	N
337121	Upholstered household furniture	N	X	X	8 115 310	N	X	X	N
3371211	Upholstered household furniture, except dual-purpose sleep furniture	N	X	X	7 056 005	N	X	X	N
33712111	Upholstered wood household sofas, davenports, settees, and loveseats, excluding chairs sold as part of suites and sectional sofa pieces, except dual-purpose sleep furniture	N	X	X	3 447 301	N	X	X	N
3371211111	Upholstered wood household sofas, davenports, settees, and loveseats, excluding chairs sold as part of suites and sectional sofa pieces, except dual-purpose sleep furniture	323	X	10 298.7	3 447 301	309	X	9 043.0	2 609 348
33712112	Upholstered wood household sectional sofa pieces, including pieces seating one person, except dual-purpose sleep furniture	N	X	X	550 861	N	X	X	N
3371211211	Upholstered wood household sectional sofa pieces, including pieces seating one person, except dual-purpose sleep furniture	119	X	P1 623.3	550 861	122	X	P1 364.2	399 880
33712113	Upholstered wood household rockers, including swivel rockers	N	X	X	253 984	N	X	X	N
3371211311	Upholstered wood household rockers, including swivel rockers	54	X	P1 178.5	253 984	64	X	1 979.6	342 498
33712114	Upholstered wood household reclining chairs, all types	N	X	X	1 114 459	N	X	X	N
3371211411	Upholstered wood household reclining chairs, all types	70	X	4 573.9	1 114 459	72	X	P3 835.1	772 366
33712115	Upholstered wood household swivel chairs with variable height adjustment and other upholstered wood household chairs and furniture, except dual-purpose sleep furniture	N	X	X	1 316 187	N	X	X	N
3371211511	Upholstered wood household swivel chairs with variable height adjustment	41	X	415.9	111 913	36	X	S	49 674
3371211521	Other upholstered wood household chairs, except reclining and dual-purpose sleep furniture	204	X	P4 872.8	926 878	206	X	Q3 630.8	696 737
3371211531	Other upholstered wood household furniture (ottomans, hassocks, benches, etc.), except dual-purpose sleep furniture, and custom-made upholstered wood household furniture	172	X	X	277 396	N	X	X	N

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NAICS product code	Product	1997				1992			
		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
337121	Upholstered household furniture—Con.								
3371211	Upholstered household furniture, except dual-purpose sleep furniture—Con.								
3371211Y	Upholstered wood household furniture, except dual-purpose sleep furniture, nsk	N	X	X	373 213	N	X	X	N
3371211YVW	Upholstered household furniture manufacturing, except dual-purpose sleep furniture, nsk	N	X	X	373 213	N	X	X	N
3371214	Dual-purpose sleep furniture, including convertible sofas, jackknife sofa beds and chair beds, studio couches, and futons shipped with frames	N	X	X	479 350	N	X	X	508 751
33712141	Dual-purpose sleep furniture, including convertible sofas, jackknife sofa beds and chair beds, studio couches, and futons shipped with frames	N	X	X	479 350	N	X	X	N
3371214100	Dual-purpose sleep furniture, including convertible sofas, jackknife sofa beds and chair beds, studio couches, and futons shipped with frames	133	X	X	479 350	147	X	X	508 751
337121W	Upholstered household furniture, nsk, total	N	X	X	579 955	N	X	X	N
337121WY	Upholstered wood household furniture, nsk, total	N	X	X	579 955	N	X	X	N
337121WYVW	Upholstered household furniture manufacturing, nsk, for nonadministrative-record establishments	N	X	X	303 729	N	X	X	N
337121WYVY	Upholstered household furniture manufacturing, nsk for administrative-record establishments	N	X	X	276 226	N	X	X	N
337122	Nonupholstered wood household furniture	N	X	X	10 299 965	N	X	X	N
3371221	Wood living room, library, family room, and den furniture, nonupholstered	N	X	X	2 287 549	N	X	X	N
33712211	Wood living room, library, family room, and den tables (all types), except card and telephone tables	N	X	X	602 704	N	X	X	N
3371221111	Wood living room, library, family room, and den tables (all types), except card and telephone tables	154	X	P4 341.0	602 704	182	X	Q3 751.9	493 672
33712212	Wood living room, library, family room, and den cabinets, desks, credenzas, bookcases, bookshelves, and wall units	N	X	X	875 941	N	X	X	N
3371221211	Wood living room, library, family room, and den cabinets, including record, music, sewing, smoking, etc., except sewing machine, radio, phono, and television cabinets	60	X	X	203 590	103	X	X	182 078
3371221221	Wood household desks	92	X	Q633.5	180 663	76	X	Q528.1	132 756
3371221231	Wood living room, library, family room, and den credenzas, bookcases, and bookshelves, except wall units	85	X	X	99 780	76	X	X	89 152
3371221241	Wood living room, library, family room, and den wall units (desk, bookcase, and storage type)	129	X	P1 231.9	391 908	146	X	Q1 154.9	280 741
33712213	Wood living room, library, family room, and den chairs, except dining room	N	X	X	727 928	N	X	X	N
3371221311	Wood living room, library, family room, and den chairs and seating, except dining room	60	X	P1 790.4	122 204	60	X	S	67 455
3371221321	Wood living room, library, family room, and den rockers	31	X	S	61 716	38	X	Q784.5	70 338
3371221391	Other nonupholstered wood living room, library, family room, and den seating, including settees, loveseats, benches, stools, etc.	45	X	X	61 392	57	X	X	51 284
3371221395	Custom-made wood household furniture, except cabinets, nonupholstered	220	X	X	482 616	N	X	X	N
3371221Y	Wood living room, library, family room, and den furniture, nsk	N	X	X	80 976	N	X	X	N
3371221YVW	Other nonupholstered wood living room furniture, nsk	N	X	X	80 976	N	X	X	N

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NAICS product code	Product	1997				1992			
		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
337122	Nonupholstered wood household furniture—Con.								
3371224	Wood dining room and kitchen furniture, except kitchen cabinets	N	X	X	1 537 316	N	X	X	1 603 463
33712241	Wood dining room tables, 30 x 40 in. or greater	N	X	X	451 055	N	X	X	N
337122411	Wood dining room tables, 30 x 40 in. or greater	156	X	¶1 315.7	451 055	148	X	¶1 621.0	379 651
33712242	Wood dining room chairs	N	X	X	525 640	N	X	X	N
3371224211	Wood dining room chairs	149	X	¶4 840.8	525 640	167	X	¶7 968.8	581 365
33712243	Wood dining room buffets, servers, china and corner cabinets, and other nonupholstered kitchen and dining room seating	N	X	X	452 977	N	X	X	N
3371224311	Wood dining room buffets and servers	80	X	S	184 042	70	X	¶359.6	142 901
3371224321	Wood dining room china and corner cabinets	92	X	P447.1	206 195	74	X	S	309 415
3371224391	Other nonupholstered wood dining room and kitchen seating	24	X	X	20 050	24	X	X	19 770
3371224395	Other nonupholstered wood dining room and kitchen furniture, including junior dining furniture sets	21	X	X	42 690	26	X	X	83 832
3371224Y	Wood dining room and kitchen furniture, except kitchen cabinets, nsk	N	X	X	107 644	N	X	X	N
3371224YVW	Wood dining room and kitchen furniture, except kitchen cabinets, nsk	N	X	X	107 644	N	X	X	86 529
3371227	Wood bedroom furniture	N	X	X	3 367 382	N	X	X	2 489 221
33712271	Wood bedroom furniture, including beds, headboards, bunk beds, cribs, cradles, etc.	N	X	X	981 641	N	X	X	N
3371227111	Wood beds, excluding headboards, headboard beds, bunk beds, cribs, cradles, hollywood beds, and youth beds	119	X	S	389 397	90	X	S	217 666
3371227121	Wood headboards and headboard beds, including padded	121	X	P3 971.7	497 394	91	X	P2 461.9	299 161
3371227131	Wood bunk beds, excluding mattresses and detachable springs	33	X	P357.6	56 710	36	X	P529.5	50 604
3371227141	Wood conventional water beds	16	X	S	38 140	31	X	S	97 351
33712272	Wood bedroom dressers, vanities, and dressing tables	N	X	X	680 518	N	X	X	N
3371227211	Wood bedroom dressers, vanities, and dressing tables	159	X	P3 159.2	680 518	127	X	P2 272.0	487 217
33712273	Wood bedroom chests of drawers	N	X	X	597 148	N	X	X	N
3371227311	Wood bedroom chests of drawers	165	X	P3 250.4	597 148	132	X	2 376.5	391 076
33712274	Wood bedroom wardrobes, chifforobes, armoires, wardrobe-type cabinets, cedar chests, and night tables and stands	N	X	X	953 802	N	X	X	N
3371227411	Wood bedroom wardrobes, chifforobes, armoires, and wardrobe-type cabinets	107	X	P795.3	252 813	75	X	398.4	137 251
3371227421	Wood bedroom cedar chests	14	X	341.8	50 626	11	X	188.0	29 190
3371227431	Wood bedroom night tables and stands	124	X	¶2 763.0	370 478	105	X	P2 174.2	250 180
3371227491	Other nonupholstered wood bedroom furniture, including commodes, bed rails, chairs, valet stands, etc.	58	X	X	279 885	61	X	X	286 925
3371227Y	Wood bedroom furniture, nsk	N	X	X	154 273	N	X	X	N
3371227YVW	Wood bedroom furniture, nsk	N	X	X	154 273	N	X	X	242 600
337122A	Infants' and children's wood furniture	N	X	X	287 666	N	X	X	316 182
337122A1	Infants' and children's wood furniture	N	X	X	273 323	N	X	X	N
337122A111	Infants' and children's wood cribs, including springs sold as part of the crib	13	X	S	111 976	17	X	S	111 780
337122A121	Infants' and children's wood seating (chairs, nursery seats, high chairs, etc.)	8	X	X	12 557	10	X	X	11 709
337122A131	Other infants' and children's wood bedroom furniture, including youth beds	23	X	X	115 065	32	X	X	123 864
337122A141	Other infants' and children's nonupholstered wood furniture	24	X	X	33 725	17	X	X	59 253
337122AY	Infants' and children's wood furniture, nsk	N	X	X	14 343	N	X	X	N
337122AYVW	Infants' and children's wood furniture, nsk	N	X	X	14 343	N	X	X	9 576

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		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
337122	Nonupholstered wood household furniture—Con.								
337122E	Wood outdoor furniture, unpainted wood furniture, and ready-to-assemble wood furniture	N	X	X	1 653 696	N	X	X	1 089 750
337122E1	Wood outdoor furniture, unpainted wood furniture, and ready-to-assemble wood furniture	N	X	X	1 633 148	N	X	X	N
337122E111	Porch, lawn, beach, and similar wood outdoor furniture	38	X	X	59 625	44	X	X	57 053
337122E121	Unpainted wood furniture, assembled (furniture-in-the-white), including bookcases, chairs, tables, desks, vanities, etc.	19	X	X	77 253	30	X	X	74 786
337122E131	Ready-to-assemble wood household seating, unpainted or finished, sold in kits 1,000 units..	8	X	S	43 969	6	X	9769.4	22 313
337122E141	Ready-to-assemble wood kitchen furniture, unpainted or finished, sold in kits	11	X	X	141 548	11	X	X	124 490
337122E151	Ready-to-assemble wood bedroom furniture, unpainted or finished, sold in kits	12	X	X	82 836	19	X	X	64 806
337122E161	Ready-to-assemble wood home entertainment centers, unpainted or finished, sold in kits 1,000 units..	17	X	S	452 962	17	X	92 161.0	106 487
337122E171	Ready-to-assemble wood shelving, unpainted or finished, sold in kits	9	X	X	57 024	N	X	X	N
337122E181	Ready-to-assemble wood home-office computer furniture, unpainted or finished, sold in kits	13	X	X	574 031	N	X	X	N
337122E191	Other ready-to-assemble wood furniture, unpainted or finished, sold in kits	19	X	X	143 900	N	X	X	N
337122EY	Wood outdoor furniture, unpainted wood furniture, and ready-to-assemble wood furniture, nsk	N	X	X	20 548	N	X	X	N
337122EYWV	Wood outdoor furniture, unpainted wood furniture, and ready-to-assemble wood furniture, nsk	N	X	X	20 548	N	X	X	35 356
337122W	Nonupholstered wood household furniture, nsk, total	N	X	X	1 166 356	N	X	X	N
337122WY	Wood household furniture manufacturing, nsk, total	N	X	X	1 166 356	N	X	X	N
337122WYWW	Nonupholstered wood household furniture manufacturing, nsk, for nonadministrative-record establishments	N	X	X	810 790	N	X	X	N
337122WYWY	Nonupholstered wood household furniture manufacturing, nsk, for administrative-record establishments	N	X	X	355 566	N	X	X	N
337124	Metal household furniture.....	N	X	X	2 218 791	N	X	X	1 791 730
3371241	Household dining room and kitchen furniture, metal	N	X	X	328 970	N	X	X	372 483
33712411	Household dining room and kitchen furniture, metal	N	X	X	298 829	N	X	X	N
3371241111	Tubular dining, dinette, and breakfast set tables, metal thousands..	16	X	9651.3	71 617	20	X	9832.5	77 172
3371241121	Tubular dining, dinette, and breakfast set chairs, metal thousands..	12	X	2 288.8	97 297	17	X	2 485.9	97 383
3371241131	Tubular dining, dinette, and breakfast tables (not sold with a set), metal thousands..	15	X	S	25 993	18	X	P565.5	31 535
3371241141	Tubular dining, dinette, and breakfast chairs (not sold with a set), metal thousands..	11	X	S	40 216	17	X	P2 404.6	81 044
3371241151	Kitchen cabinets, such as base, top and base, wall, utility, etc., metal thousands..	11	X	S	13 697	20	X	S	22 397
3371241161	Kitchen stools, padded and plain, metal thousands..	11	X	469.0	26 673	13	X	818.8	24 212
3371241171	Other dining room and kitchen furniture, including hostess carts, metal	17	X	X	23 336	18	X	X	22 497
3371241Y	Household dining room and kitchen furniture, metal, nsk	N	X	X	30 141	N	X	X	N
3371241YWV	Household dining room and kitchen furniture, metal, nsk.....	N	X	X	30 141	N	X	X	16 243
3371244	Porch, lawn, outdoor, and casual furniture, metal	N	X	X	700 656	N	X	X	553 402
33712441	Tubular aluminum porch, lawn, outdoor, and casual chairs, rockers, benches, chaise lounges, and settees	N	X	X	233 913	N	X	X	N
3371244111	Tubular aluminum porch, lawn, outdoor, and casual chairs, rockers, benches, chaise lounges, and settees	21	X	X	233 913	19	X	X	201 512

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NAICS product code	Product	1997				1992			
		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
337124	Metal household furniture—Con.								
3371244	Porch, lawn, outdoor, and casual furniture, metal—Con.								
33712442	Other tubular aluminum and cast and wrought iron porch, lawn, outdoor, and casual furniture.....	N	X	X	405 673	N	X	X	N
3371244211	Other tubular aluminum porch, lawn, outdoor, and casual furniture, including gliders, swings, hammocks, and tables.....	17	X	X	93 503	22	X	X	71 385
3371244221	Cast and wrought iron porch, lawn, outdoor, and casual chairs, rockers, benches, chaise lounges, and settees.....	11	X	X	82 279	13	X	X	83 751
3371244231	Other cast and wrought iron porch, lawn, outdoor, and casual furniture, including gliders, hammocks, and tables.....	11	X	X	D	13	X	X	49 887
3371244241	Other porch, lawn, outdoor, and casual furniture, including picnic tables, metal.....	21	X	X	D	14	X	X	74 316
3371244Y	Porch, lawn, outdoor, and casual furniture, metal, nsk.....	N	X	X	61 070	N	X	X	N
3371244YWV	Porch, lawn, outdoor, and casual furniture, metal, nsk.....	N	X	X	61 070	N	X	X	72 551
3371247	Other household furniture, metal.....	N	X	X	987 741	N	X	X	685 357
33712471	Household folding, rollable, army, and other cots, other beds and household bed frames, metal.....	N	X	X	268 656	N	X	X	N
3371247111	Household folding cots, rollable cots, army cots, and other beds, metal..... thousands..	12	X	91 362.9	47 692	20	X	S	59 449
3371247121	Household bed frames (complete bed frames sold separately, with or without a headboard), metal..... thousands..	61	X	S	220 964	56	X	S	171 742
33712472	Other metal household furniture, including medicine cabinets, infants' high chairs and car seats, and card tables and chairs.....	N	X	X	662 920	N	X	X	N
3371247211	Household medicine cabinets, including wall-type and insert type, metal.....	8	X	X	69 474	9	X	X	87 104
3371247221	Infants' high chairs, metal or plastics..... thousands..	5	X	S	29 499	6	X	1 350.5	28 345
3371247231	Infants' car seats, metal or plastics..... thousands..	8	X	4 682.7	164 866	7	X	3 292.8	109 797
3371247241	Other infants' and children's furniture, including chairs, tables, playpens, play yards, and portable cribs, metal.....	11	X	X	276 354	10	X	X	83 182
3371247291	Other metal household furniture, including upholstered furniture, folding trays, etc.,.....	30	X	X	122 727	N	X	X	N
3371247Y	Other household furniture, metal, nsk.....	N	X	X	56 165	N	X	X	N
3371247YWV	Other household furniture, metal, nsk.....	N	X	X	56 165	N	X	X	D
337124W	Household furniture, metal, nsk, total.....	N	X	X	201 424	N	X	X	180 488
337124WY	Household furniture manufacturing, metal, nsk, total.....	N	X	X	201 424	N	X	X	N
337124WYWW	Household furniture manufacturing, metal, nsk, for nonadministrative-record establishments.....	N	X	X	129 369	N	X	X	177 626
337124WYWY	Household furniture manufacturing, metal, nsk, for administrative-record establishments.....	N	X	X	72 055	N	X	X	2 862
337125	Household furniture, except wood and metal.....	N	X	X	602 309	N	X	X	483 307
3371250	Household furniture, except wood and metal.....	N	X	X	602 309	N	X	X	483 307
33712501	Plastics and fibrous glass household cabinets, including radio, phonograph, television, stereo, and combinations thereof.....	N	X	X	265 693	N	X	X	N
3371250111	Plastics and fibrous glass household cabinets, including radio, phonograph, television, stereo, and combinations thereof.....	31	X	X	265 693	20	X	X	252 780
33712502	Reed and rattan household seating, including willow, wicker, and cane, and other reed and rattan household furniture.....	N	X	X	97 554	N	X	X	N
3371250211	Reed and rattan household seating, including willow, wicker, and cane.....	11	X	X	68 714	14	X	X	52 878
3371250221	Other reed and rattan household furniture.....	13	X	X	28 840	14	X	X	41 681

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
337125	Household furniture, except wood and metal—Con.								
3371250	Household furniture, except wood and metal—Con.								
33712503	Plastics and fibrous glass household seating and furniture, and other household furniture (except wood and metal), nec	N	X	X	162 623	N	X	X	N
3371250311	Other plastics and fibrous glass household furniture, including seating	21	X	X	116 892	N	X	X	N
3371250321	Other household furniture (except wood and metal), nec	27	X	X	45 731	18	X	X	20 848
3371250Y	Household furniture (except wood and metal), nsk	N	X	X	76 439	N	X	X	N
3371250YWW	Household furniture (except wood and metal), nsk, for nonadministrative-record establishments	N	X	X	49 640	N	X	X	61 442
3371250YWY	Household furniture (except wood and metal), nsk, for administrative-record establishments	N	X	X	26 799	N	X	X	12 944
337127	Institutional furniture	N	X	X	3 977 485	N	X	X	N
3371271	School furniture, except stone and concrete, excluding library furniture	N	X	X	630 340	N	X	X	N
33712711	School single-pupil units and chairs, excluding library	N	X	X	240 087	N	X	X	N
3371271111	School single-pupil units, excluding library	14	X	S	133 260	17	X	S	116 306
3371271121	School chairs, all-purpose (nonfolding), excluding library	15	X	S	106 827	20	X	S	99 541
33712712	School storage units and furniture except single-pupil units and chairs (excluding library)	N	X	X	366 341	N	X	X	N
3371271211	School storage cabinets, excluding library	31	X	X	116 172	48	X	X	75 751
3371271221	Other school furniture (designed specifically for use in schools)	57	X	X	250 169	N	X	X	N
3371271Y	School furniture, except stone and concrete (excluding library furniture), nsk	N	X	X	23 912	N	X	X	N
3371271YWW	School furniture, except stone and concrete (excluding library furniture), nsk	N	X	X	23 912	N	X	X	N
3371274	Public building furniture, except school and restaurant furniture	N	X	X	1 138 881	N	X	X	N
33712741	Public building furniture, including church and library furniture, except school and restaurant furniture	N	X	X	1 118 392	N	X	X	N
3371274111	Library furniture, all types (including chairs, charging desks, study carrels, reading tables, etc.)	27	X	X	53 418	21	X	X	28 346
3371274121	Church pews	21	X	X	54 767	28	X	X	34 650
3371274131	Church furniture, except pews (pulpits, alters, lecterns, etc.)	27	X	X	17 399	24	X	X	18 849
3371274141	Folding tables, including folding banquet tables, except school, restaurant, household, office, or library	15	X	S	71 843	18	X	S	70 104
3371274151	Fixed chairs and seats, including theater, auditorium, and institutional (except school, restaurant, household, office, or library)	9	X	P1 795.7	172 800	9	X	S	53 709
3371274161	Portable folding chairs, single or ganged, including theater, auditorium, and institutional (except school, restaurant, household, office, or library)	8	X	P4 555.2	40 616	6	X	4 328.6	37 946
3371274171	Stacking chairs and seats, including theater, auditorium, and institutional (except school, restaurant, household, office, or library)	20	X	P584.6	44 188	24	X	P1 569.0	79 212
3371274175	Beauty and barber chairs	11	X	X	25 886	N	X	X	N
3371274181	Other chairs and seats, including freestanding, theater, auditorium, and institutional (except school, restaurant, household, office, or library)	16	X	X	100 116	17	X	X	52 383
3371274191	Stadium and bleacher seating, including grandstands	16	X	X	249 998	18	X	X	130 566
3371274195	Other public building furniture, nec	47	X	X	287 361	39	X	X	82 413
3371274Y	Public building furniture, except school and restaurant furniture, nsk	N	X	X	20 489	N	X	X	N
3371274YWW	Public building furniture, except school and restaurant furniture, nsk	N	X	X	20 489	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
337127	Institutional furniture—Con.								
3371277	Furniture and fixtures, nec	N	X	X	1 027 878	N	X	X	904 272
33712771	Chairs, stools, booths, bars, and back bars for restaurants, cafeterias, and bars	N	X	X	847 493	N	X	X	N
3371277111	Upholstered chairs and stools for restaurants, cafeterias, bars, and bowling centers, wood	20	X	X	145 021	46	X	X	146 182
3371277121	Nonupholstered chairs and stools for restaurants, cafeterias, bars, and bowling centers, wood	12	X	X	33 175	20	X	X	28 663
3371277131	Metal chairs and stools for restaurants, cafeterias, bars, and bowling centers	23	X	X	89 126	26	X	X	77 745
3371277141	Booths, bars, and back bars for restaurants, cafeterias, bars, and bowling centers	63	X	X	105 687	79	X	X	101 375
3371277191	Other restaurant, cafeteria, bar, and bowling center furniture, nec	116	X	X	474 484	163	X	X	446 582
3371277Y	Restaurant, cafeteria, and bar furniture and fixtures, nsk	N	X	X	180 385	N	X	X	N
3371277YV	Restaurant, cafeteria, and bar furniture and fixtures, nsk	N	X	X	180 385	N	X	X	103 725
337127A	Other furniture, nec	N	X	X	842 609	N	X	X	N
337127A2	Other furniture, nec	N	X	X	802 047	N	X	X	N
337127A211	Industrial work benches and stools	43	X	X	112 709	35	X	X	62 649
337127A221	Drafting and drawing tables made of metal	2	X	X	D	N	X	X	N
337127A231	Drafting and drawing tables made of wood	3	X	X	1 744	N	X	X	N
337127A241	Drafting and drawing tables made of other materials	2	X	X	D	N	X	X	N
337127A291	Other furniture and fixtures, nec (including ship furniture, amusement game cabinets, etc.)	139	X	X	668 770	134	X	X	292 962
337127AY	Other furniture and fixtures, nsk	N	X	X	40 562	N	X	X	N
337127AYV	Other furniture and fixtures, nsk	N	X	X	40 562	N	X	X	N
337127W	Institutional furniture manufacturing, nsk, total	N	X	X	337 777	N	X	X	N
337127WY	Institutional furniture manufacturing, nsk, total	N	X	X	337 777	N	X	X	N
337127WYV	Institutional furniture manufacturing, nsk, for nonadministrative-record establishments	N	X	X	232 011	N	X	X	N
337127WYVY	Institutional furniture manufacturing, nsk, for administrative-record establishments	N	X	X	105 766	N	X	X	N
337129	Wood television, radio, phonograph, and sewing machine cabinets	N	X	X	516 379	N	X	X	375 816
3371290	Wood television, radio, stereo, and sewing machine cabinets	N	X	X	516 379	N	X	X	375 816
33712901	Wood television cabinets and combinations (television, stereo, and radio)	N	X	X	329 887	N	X	X	N
3371290111	Wood television cabinets and combinations (television, stereo, and radio)	92	X	X	329 887	62	X	X	248 689
33712902	Wood audio cabinets, (including radio, stereo, phonograph), speaker cabinets, and wood sewing machine cabinets	N	X	X	116 606	N	X	X	N
3371290211	Wood audio cabinets, including radio, stereo, phonograph, and speaker cabinets	38	X	X	105 604	28	X	X	73 295
3371290221	Wood sewing machine cabinets	6	X	X	11 002	7	X	X	9 675
3371290Y	Wood television, radio, phonograph, and sewing machine cabinets, nsk	N	X	X	69 886	N	X	X	N
3371290YV	Wood television, radio, phonograph, and sewing machine cabinets, nsk, for nonadministrative-record establishments	N	X	X	52 527	N	X	X	24 329
3371290YVY	Wood television, radio, phonograph, and sewing machine cabinets, nsk, for administrative-record establishments	N	X	X	17 359	N	X	X	19 828

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
337211	Wood office furniture	N	X	X	3 051 300	N	X	X	1 902 029
3372111	Wood office seating, including upholstered	N	X	X	623 419	N	X	X	N
33721111	Wood office seating, including upholstered	N	X	X	579 465	N	X	X	N
337211111	Wood office seating, including upholstered, secretarial chairs	18	X	S	19 563	N	X	N	N
3372111121	Wood office seating, including upholstered, general office and desk chairs	50	X	P1 448.8	298 956	N	X	N	N
3372111131	Wood office seating, including upholstered, side and arm chairs	51	X	680.4	144 458	N	X	N	N
3372111141	Wood office seating, including upholstered, lounge seating	39	X	X	70 355	N	X	X	N
3372111151	Wood office seating, including upholstered, stacking chairs	13	X	S	21 107	N	X	N	N
3372111161	Wood office seating, including upholstered, all other office-type seating	17	X	X	25 026	N	X	X	N
3372111Y	Wood office seating, including upholstered, nsk	N	X	X	43 954	N	X	X	N
3372111YWV	Wood office seating, including upholstered, nsk	N	X	X	43 954	N	X	X	N
3372114	Wood office desks and extensions	N	X	X	594 428	N	X	X	N
33721141	Wood office desks and extensions	N	X	X	563 973	N	X	X	N
3372114111	Wood office desks	106	X	S	479 741	N	X	N	N
3372114121	Wood office desk extensions	39	X	X	84 232	N	X	X	N
3372114Y	Wood office desks and extensions, nsk	N	X	X	30 455	N	X	X	N
3372114YWV	Wood office desks and extensions, nsk	N	X	X	30 455	N	X	X	N
3372117	Wood office storage units, files, and tables	N	X	X	622 271	N	X	X	N
33721171	Wood office credenzas	N	X	X	101 021	N	X	X	N
3372117111	Wood office credenzas	73	X	162.9	101 021	N	X	N	N
33721172	Wood office bookcases and other storage units, except credenzas	N	X	X	125 259	N	X	X	N
3372117211	Wood office bookcases and other storage units, except credenzas	80	X	X	125 259	N	X	X	N
33721173	Wood office files, vertical, horizontal, and other, and wood office tables	N	X	X	377 321	N	X	X	N
3372117311	Wood office files, vertical, letter and legal	33	X	S	52 224	N	X	N	N
3372117321	Wood office files, horizontal-lateral, letter and legal	37	X	304.7	64 778	N	X	N	N
3372117331	Wood office files, all other	17	X	X	23 206	N	X	X	N
3372117341	Wood office work and conference tables	94	X	S	177 241	N	X	N	N
3372117351	Wood office equipment support tables	22	X	S	15 975	N	X	N	N
3372117361	Other wood office tables, except work, conference, and equipment supporting	42	X	X	43 897	N	X	X	N
3372117Y	Wood office storage units, files, and tables, nsk	N	X	X	18 670	N	X	X	N
3372117YWV	Wood office storage units, files, and tables, nsk	N	X	X	18 670	N	X	X	N
337211A	Wood office panel, modular and desking systems furniture, and all other wood office furniture, nec	N	X	X	707 052	N	X	X	N
337211A1	Wood panel, modular, and desking systems and accessories	N	X	X	692 354	N	X	X	N
337211A111	Wood panel systems and components	40	X	X	293 985	N	X	X	N
337211A121	Wood modular systems and accessories	27	X	X	124 045	N	X	X	N
337211A131	Wood desking systems and accessories	32	X	X	145 003	N	X	X	N
337211A141	All other wood office furniture, nec	43	X	X	129 321	N	X	X	N
337211AY	Wood office panel, modular, and desking systems furniture and all other wood furniture, nec, nsk	N	X	X	14 698	N	X	X	N
337211AYWV	Wood office panel, modular, and desking systems furniture and all other wood furniture, nec, nsk	N	X	X	14 698	N	X	X	N
337211W	Wood office furniture, nsk, total	N	X	X	504 130	N	X	X	N
337211WY	Wood office furniture, nsk	N	X	X	504 130	N	X	X	N
337211WYWV	Wood office furniture, nsk, for nonadministrative-record establishments	N	X	X	449 574	N	X	X	N
337211WYWY	Wood office furniture, nsk, for administrative-record establishments	N	X	X	54 556	N	X	X	51 652

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337212	Custom architectural woodwork, millwork, and fixtures	N	X	X	2 067 987	N	X	X	N
3372120	Custom architectural woodwork, millwork, and fixtures	N	X	X	2 067 987	N	X	X	N
33721201	Custom architectural woodwork, millwork, and fixtures	N	X	X	1 933 680	N	X	X	N
3372120100	Custom architectural woodwork, millwork, and fixtures	935	X	X	1 933 680	N	X	X	N
3372120Y	Custom architectural woodwork, millwork, and fixtures, nsk	N	X	X	134 307	N	X	X	N
3372120YWW	Custom architectural woodwork, millwork, and fixtures, nsk, for nonadministrative-record establishments	N	X	X	74 490	N	X	X	N
3372120YWY	Custom architectural woodwork, millwork, and fixtures, nsk, for administrative-record establishments	N	X	X	59 817	N	X	X	N
337214	Office furniture, except wood	N	X	X	8 148 445	N	X	X	5 774 184
3372141	Office seating, including upholstered, nonwood	N	X	X	1 787 201	N	X	X	1 426 470
33721411	Office seating, including upholstered, nonwood, secretarial and general office and desk chairs	N	X	X	1 382 285	N	X	X	N
3372141111	Office seating, including upholstered, nonwood, secretarial chairs	17	X	923.3	212 806	N	X	N	N
3372141121	Office seating, including upholstered, nonwood, general office and desk chairs	40	X	P6 665.8	1 169 479	N	X	N	N
33721412	Office seating, including upholstered, nonwood, side and arm chairs, lounge seating, stacking chairs, and other office seating	N	X	X	254 822	N	X	X	N
3372141211	Office seating, including upholstered, nonwood, side and arm chairs	18	X	S	145 554	N	X	N	N
3372141221	Office seating, including upholstered, nonwood, lounge seating	11	X	X	15 153	N	X	X	N
3372141231	Office seating, including upholstered, nonwood, stacking chairs	17	X	P938.4	54 391	N	X	N	N
3372141241	All other office seating, including upholstered, nonwood	9	X	X	39 724	N	X	X	N
3372141Y	Office seating, including upholstered, nonwood nsk	N	X	X	150 094	N	X	X	N
3372141YWW	Office seating, including upholstered, nonwood nsk	N	X	X	150 094	N	X	X	N
3372144	Office desks and extensions, nonwood	N	X	X	511 162	N	X	X	373 602
33721441	Office desks and extensions, nonwood	N	X	X	350 732	N	X	X	N
3372144111	Office desks, nonwood	36	X	S	323 797	N	X	N	N
3372144121	Office desk extensions, nonwood	12	X	X	26 935	N	X	X	N
3372144Y	Office desks and extensions, nonwood, nsk	N	X	X	160 430	N	X	X	N
3372144YWW	Office desks and extensions, nonwood, nsk	N	X	X	160 430	N	X	X	N
3372147	Office storage units, files, and tables, nonwood	N	X	X	2 169 320	N	X	X	1 511 554
33721471	Office files, vertical, letter and legal, nonwood	N	X	X	404 048	N	X	X	N
3372147111	Office files, vertical, letter and legal, nonwood	27	X	6 538.2	404 048	N	X	N	N
33721472	Office files, horizontal-lateral, letter and legal, nonwood	N	X	X	635 022	N	X	X	N
3372147211	Office files, horizontal-lateral, letter and legal, nonwood	27	X	Q2 181.8	635 022	N	X	N	N
33721473	All other office files, except vertical, nonwood	N	X	X	291 837	N	X	X	N
3372147311	Office files, all other, nonwood	29	X	X	291 837	N	X	X	N
33721474	Office storage credenzas, bookcases, storage units, and tables, nonwood	N	X	X	637 279	N	X	X	N
3372147411	Office storage credenzas, nonwood	10	X	51.6	10 868	N	X	N	N
3372147421	Office bookcases and other storage units, except credenzas, nonwood	35	X	X	296 098	N	X	X	N
3372147431	Office tables, work and conference, nonwood	30	X	Q1 546.1	184 844	N	X	N	N
3372147441	Office tables, equipment supporting, nonwood	16	X	P1 795.8	79 941	N	X	N	N
3372147451	Other office tables, nonwood	23	X	X	65 528	N	X	X	N
3372147Y	Office storage units, files, and tables, nonwood, nsk	N	X	X	201 134	N	X	X	N
3372147YWW	Office storage units, files, and tables, nonwood, nsk	N	X	X	201 134	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
337214	Office furniture, except wood—Con.								
337214A	Office panel and modular systems, and all other office furniture, nonwood, nec	N	X	X	3 453 780	N	X	X	2 326 138
337214A1	Office panel systems and components, nonwood	N	X	X	2 478 950	N	X	X	N
337214A111	Office panel systems and components, nonwood	42	X	X	2 478 950	N	X	X	N
337214A2	Modular and desking systems and accessories and all other office furniture, nonwood	N	X	X	843 821	N	X	X	N
337214A211	Office modular systems and accessories, nonwood	25	X	X	148 487	N	X	X	N
337214A221	Office desking systems and accessories, nonwood	29	X	X	494 438	N	X	X	N
337214A231	All other office furniture, nonwood, nec	30	X	X	200 896	N	X	X	N
337214AY	Office panel and modular systems and all other office furniture, nonwood, nec, nsk	N	X	X	131 009	N	X	X	N
337214AYWV	Office panel and modular systems and all other office furniture, nonwood, nec, nsk	N	X	X	131 009	N	X	X	N
337214W	Office furniture, nonwood, nsk, total	N	X	X	226 982	N	X	X	136 420
337214WY	Office furniture manufacturing, nonwood, nsk, total	N	X	X	226 982	N	X	X	N
337214WYWV	Office furniture manufacturing, nonwood, nsk, for nonadministrative-record establishments	N	X	X	125 124	N	X	X	103 026
337214WYWY	Office furniture manufacturing, nonwood, nsk, for administrative-record establishments	N	X	X	101 858	N	X	X	33 394
337215	Showcases, partitions, shelving, and lockers	N	X	X	7 545 384	N	X	X	N
3372151	Wood partitions, shelving, and lockers, except custom	N	X	X	180 383	N	X	X	N
33721511	Prefabricated wood partitions (assembled or knocked-down), and wood shelving and lockers, except custom	N	X	X	157 859	N	X	X	N
3372151111	Wood partitions, prefabricated (assembled or knocked-down), except custom	20	X	X	39 820	N	X	X	N
3372151121	Wood shelving, except custom	30	X	X	108 598	N	X	X	N
3372151131	Wood lockers, except custom	8	X	X	9 441	N	X	X	N
3372151Y	Wood partitions, shelving, and lockers, nsk	N	X	X	22 524	N	X	X	N
3372151YWV	Wood partitions, shelving, and lockers, nsk	N	X	X	22 524	N	X	X	N
3372154	Wood fixtures for stores, banks, and offices, and other miscellaneous fixtures, except custom	N	X	X	1 502 590	N	X	X	N
33721541	Wood fixtures for stores, banks, and offices, and other miscellaneous fixtures, except custom	N	X	X	1 362 509	N	X	X	N
3372154111	Wood walls and wall fixtures, manufacturers' standard, for retail stores	91	X	X	155 388	N	X	X	N
3372154121	Wood center floor tables and gondolas, manufacturers' standard, for retail stores	82	X	X	138 170	N	X	X	N
3372154131	Other wood fixtures and displays, manufacturers' standard, for retail stores	131	X	X	355 602	N	X	X	N
3372154141	Other wood show and display cases, including wall types, and tables, nec, except custom	104	X	X	203 421	N	X	X	N
3372154151	Wood cabinets, floor or wall types, for stores, banks, and offices, except custom	160	X	X	177 439	N	X	X	N
3372154161	Wood counters, excluding bank counters, except custom	52	X	X	44 034	N	X	X	N
3372154171	Wood bank fixtures, including bank counters, except custom	41	X	X	23 518	N	X	X	N
3372154181	Other wood fixtures, including backs, telephone booths, cashier stands, miscellaneous display fixtures, etc., except custom	96	X	X	264 937	N	X	X	N
3372154Y	Wood fixtures for stores, banks, and offices, and other miscellaneous fixtures, nsk	N	X	X	140 081	N	X	X	N
3372154YWV	Wood fixtures for stores, banks, and offices, and other miscellaneous fixtures, nsk	N	X	X	140 081	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
337215	Showcases, partitions, shelving, and lockers—Con.								
3372157	Prefabricated partitions, assembled or knocked-down, nonwood	N	X	X	267 096	N	X	X	219 850
33721571	Prefabricated partitions, assembled or knocked-down, nonwood	N	X	X	266 943	N	X	X	N
3372157111	Toilet partitions, nonwood	15	X	X	107 566	20	X	X	77 587
3372157121	Movable partitions, except freestanding, nonwood	17	X	X	119 837	20	X	X	124 521
3372157131	Other partitions (excluding accordion and folding-door type), nonwood	6	X	X	39 540	6	X	X	11 427
3372157Y	Partitions, prefabricated (assembled or knocked-down), nonwood, nsk	N	X	X	153	N	X	X	N
3372157YV	Partitions, prefabricated (assembled or knocked-down), nonwood, nsk	N	X	X	153	N	X	X	6 315
337215A	Shelving and lockers, nonwood	N	X	X	1 222 973	N	X	X	739 898
337215A1	Commercial shelving (factory, store, etc.), nonwood	N	X	X	794 834	N	X	X	N
337215A111	Commercial shelving (factory, store, etc.), nonwood	40	X	X	794 834	60	X	X	418 998
337215A2	Bookstacks, other shelving, and lockers, nonwood	N	X	X	372 310	N	X	X	N
337215A211	Bookstacks (library, office, and school), nonwood	14	X	X	76 828	16	X	X	37 933
337215A221	Other shelving, including shelving for correspondence, computer tapes and disks, microfilm, etc., nonwood	13	X	X	116 446	33	X	X	123 686
337215A231	Lockers, nonwood	16	X	X	179 036	19	X	X	140 921
337215AY	Shelving and lockers, nonwood, nsk	N	X	X	55 829	N	X	X	N
337215AYV	Shelving and lockers, nonwood, nsk	N	X	X	55 829	N	X	X	18 360
337215E	Storage racks and accessories, nonwood	N	X	X	1 192 720	N	X	X	647 849
337215E1	Storage racks and accessories, nonwood	N	X	X	1 083 803	N	X	X	N
337215E111	Drive-in-drive-thru and gravity conveyor or pallet storage racks, nonwood	20	X	X	98 855	25	X	X	71 201
337215E121	Cantilever storage racks, nonwood	16	X	X	62 681	22	X	X	47 659
337215E131	Portable stacking racks and frames, nonwood	29	X	X	89 564	27	X	X	71 523
337215E141	Stacker-racks (pallet support, beams perpendicular to the storage aisle), nonwood	13	X	X	114 605	19	X	X	72 157
337215E151	Other racks, including conventional pallet racks and accessories, nonwood	81	X	X	718 098	70	X	X	326 959
337215EY	Storage racks and accessories, nonwood, nsk	N	X	X	108 917	N	X	X	N
337215EYV	Storage racks and accessories, nonwood, nsk	N	X	X	108 917	N	X	X	58 350
337215H	Fixtures for stores, banks, and offices, and miscellaneous fixtures, nonwood	N	X	X	1 806 562	N	X	X	N
337215H1	Custom store fixtures, retail, except retail food stores, nonwood	N	X	X	854 751	N	X	X	N
337215H111	Custom store fixtures for retail stores, nonwood	140	X	X	854 751	N	X	X	N
337215H2	Manufacturers' standard store fixtures, retail, nonwood	N	X	X	218 600	N	X	X	N
337215H211	Manufacturers' standard store fixtures, retail, nonwood	50	X	X	218 600	N	X	X	N
337215H3	Other show and display cases, cabinets, and other fixtures, nec, nonwood	N	X	X	577 026	N	X	X	N
337215H311	Other show and display cases (including wall types) and tables, nec, nonwood	69	X	X	158 091	49	X	X	90 153
337215H321	Cabinets (floor or wall types), nec, for stores, banks, and offices, nonwood	58	X	X	100 576	53	X	X	155 332
337215H331	Other fixtures (counters, window backs, telephone booths, miscellaneous display fixtures, cashier stands, etc.), nec, nonwood	64	X	X	189 392	81	X	X	134 321
337215H341	Metal furniture parts, household	27	X	X	45 080	N	X	X	N
337215H351	Metal furniture parts, office	41	X	X	83 887	N	X	X	N
337215HY	Fixtures for stores, banks, and offices, and miscellaneous fixtures, nonwood, nsk	N	X	X	156 185	N	X	X	N
337215HYV	Fixtures for stores, banks, and offices, and miscellaneous fixtures, nonwood, nsk	N	X	X	156 185	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
337215	Showcases, partitions, shelving, and lockers—Con.								
337215K	Wood furniture frames for household furniture, including frames for upholstered furniture	N	X	X	361 850	N	X	X	273 056
337215K1	Wood furniture frames for household furniture, including frames for upholstered furniture	N	X	X	326 937	N	X	X	N
337215K111	Wood furniture frames for household seating	135	X	S	259 490	132	X	96 429.8	226 261
337215K121	Wood furniture frames for other household furniture	40	X	S	67 447	24	X	S	35 931
337215KY	Wood furniture frames for household furniture, including frames for upholstered furniture, nsk	N	X	X	34 913	N	X	X	N
337215KYWV	Wood furniture frames for household furniture, including frames for upholstered furniture, nsk	N	X	X	34 913	N	X	X	10 864
337215W	Showcases, partitions, shelving, and lockers, nsk, total	N	X	X	1 011 210	N	X	X	N
337215WY	Showcase, partition, shelving, and locker manufacturing, nsk, total	N	X	X	1 011 210	N	X	X	N
337215WYWW	Showcase, partition, shelving, and locker manufacturing, nsk, for nonadministrative-record establishments	N	X	X	821 079	N	X	X	N
337215WYWY	Showcase, partition, shelving, and locker manufacturing, nsk, for administrative-record establishments	N	X	X	190 131	N	X	X	N
337910	Mattresses	N	X	X	3 848 118	N	X	X	N
3379101	Innerspring mattresses, excluding crib-size, including those with polyurethane or rubber topper pads and those sold as part of hollywood beds, excluding inserts	N	X	X	2 133 590	N	X	X	1 200 021
33791011	Innerspring mattresses, excluding crib-size, including those with polyurethane or rubber topper pads and those sold as part of hollywood beds, excluding inserts	N	X	X	2 133 590	N	X	X	N
3379101100	Innerspring mattresses, excluding crib-size, including those with polyurethane or rubber topper pads and those sold as part of hollywood beds, excluding inserts	295	X	917 573.6	2 133 590	273	X	912 311.5	1 200 021
3379104	Other mattresses, including crib mattresses and mattress inserts	N	X	X	347 067	N	X	X	209 537
33791041	Other mattresses, including crib mattresses, foam core mattresses other than crib-size, inflatable air chambered, and mattress inserts	N	X	X	340 040	N	X	X	N
3379104111	Crib mattresses, all types, including crib-size mattresses made with innersprings, polyurethane, latex, foam, hair, cotton felt, etc.	12	X	X	76 806	17	X	X	53 446
3379104121	Foam core mattresses, other than crib-size	42	X	X	33 487	54	X	X	39 773
3379104131	Other mattresses, including inflatable air chambered, cotton felt, hair, etc. (excludes sleep system ensembles)	20	X	X	S	17	X	X	67 768
3379104141	Mattress inserts for dual-purpose sleep furniture (innerspring and foam) and futons shipped without frames	37	X	X	83 790	27	X	X	37 995
3379104Y	Other mattresses, including crib mattresses and mattress inserts, nsk	N	X	X	7 027	N	X	X	N
3379104YWV	Other mattresses, including crib mattresses and mattress inserts, nsk	N	X	X	7 027	N	X	X	10 555
3379107	Foundations, excluding innerspring units and those incorporated into hybrid-type flotation and adjustable ensembles	N	X	X	1 124 080	N	X	X	684 080
33791071	Foundations, including spring, foam and platform, excluding innerspring units and those incorporated into hybrid-type flotation and adjustable ensembles	N	X	X	1 109 029	N	X	X	N
3379107111	Spring foundations, excluding innerspring units and those incorporated into hybrid-type flotation and adjustable ensembles	187	X	99 773.9	984 177	183	X	97 074.4	582 863
3379107121	Foam foundations, excluding those incorporated into hybrid-type flotation and adjustable ensembles	36	X	P660.0	35 000	46	X	S	47 502

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337910	Mattresses—Con.								
3379107	Foundations, excluding innerspring units and those incorporated into hybrid-type flotation and adjustable ensembles—Con.								
33791071	Foundations, including spring, foam and platform, excluding innerspring units and those incorporated into hybrid-type flotation and adjustable ensembles—Con.								
3379107131	Other foundations, including platform, excluding those incorporated into hybrid-type flotation, air, and adjustable ensembles.....	68	X	X	89 852	65	X	X	38 669
3379107Y	Foundations, excluding innerspring units and those incorporated into hybrid-type flotation and adjustable ensembles, nsk	N	X	X	15 051	N	X	X	N
3379107YVW	Foundations, excluding innerspring units and those incorporated into hybrid-type flotation and adjustable ensembles, nsk	N	X	X	15 051	N	X	X	15 046
337910A	Sleep system ensembles, excluding conventional waterbeds	N	X	X	73 357	N	X	X	131 570
337910A1	Sleep system ensembles, excluding conventional waterbeds, including hybrid-type system flotation ensembles.....	N	X	X	73 357	N	X	X	N
337910A111	Hybrid-type sleep system flotation ensembles, excluding conventional waterbeds	8	X	X	16 240	10	X	X	33 338
337910A121	Electric adjustable sleep system ensemble, excluding hospital and conventional waterbeds	32	X	X	S	27	X	X	89 613
337910AY	Sleep system ensembles, excluding conventional waterbeds, nsk	N	X	X	—	N	X	X	N
337910AYVW	Sleep system ensembles, excluding conventional waterbeds, nsk	N	X	X	—	N	X	X	8 619
337910W	Mattresses and foundations, nsk, total	N	X	X	170 024	N	X	X	N
337910WY	Mattresses and foundations, nsk, total	N	X	X	170 024	N	X	X	N
337910WYVW	Mattresses and foundations, nsk, for nonadministrative-record establishments	N	X	X	77 284	N	X	X	N
337910WYVY	Mattresses and foundations, nsk, for administrative-record establishments	N	X	X	92 740	N	X	X	N
337920	Drapery hardware and blinds and shades	N	X	X	2 192 994	N	X	X	1 808 300
3379201	Window shades and accessories	N	X	X	391 848	N	X	X	296 112
33792011	Window shades and accessories	N	X	X	363 036	N	X	X	N
3379201111	Plastics window shades	36	X	X	71 799	25	X	X	52 556
3379201121	Window shades other than plastics, including cloth, paper, etc.	56	X	X	286 761	46	X	X	164 692
3379201131	Window shade accessories and rollers, sold separately	8	X	X	4 476	13	X	X	66 157
3379201Y	Window shades and accessories, nsk	N	X	X	28 812	N	X	X	N
3379201YVW	Window shades and accessories, nsk	N	X	X	28 812	N	X	X	12 707
3379204	Venetian blinds.....	N	X	X	1 128 102	N	X	X	891 761
33792041	Aluminum-slat venetian blinds, complete, vertical and horizontal	N	X	X	339 669	N	X	X	N
3379204111	Aluminum-slat venetian blinds, complete, vertical and horizontal	77	X	X	339 669	88	X	X	467 728
33792042	Venetian blinds other than aluminum-slat, complete, vertical and horizontal, including wood, plastics, steel, etc.	N	X	X	624 443	N	X	X	N
3379204211	Venetian blinds other than aluminum-slat, complete, vertical and horizontal, including wood, plastics, steel, etc.	77	X	X	624 443	66	X	X	286 201
33792043	Unassembled venetian blinds, parts and components, vertical and horizontal.....	N	X	X	132 570	N	X	X	N
3379204311	Unassembled venetian blinds, parts and components, vertical and horizontal.....	12	X	X	132 570	17	X	X	121 047
3379204Y	Venetian blinds, nsk	N	X	X	31 420	N	X	X	N
3379204YVW	Venetian blinds, nsk	N	X	X	31 420	N	X	X	16 785

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337920	Drapery hardware and blinds and shades—Con.								
3379207	Other shades and blinds, nec, and curtain and drapery rods, poles, and fixtures	N	X	X	526 525	N	X	X	395 439
33792071	Other shades and blinds, nec, and curtain and drapery rods, poles, and fixtures	N	X	X	428 103	N	X	X	N
3379207111	Other shades and blinds, except canvas and other textile fabrics, including wood, metal, plastics, chip, bamboo, rattan, reed, etc., nec	40	X	X	123 541	34	X	X	50 565
3379207121	Curtain and drapery rods, poles, and fixtures, excluding window shade accessories	22	X	X	304 562	29	X	X	331 286
3379207Y	Other shades and blinds, nec, and curtain and drapery rods, poles, and fixtures, nsk	N	X	X	98 422	N	X	X	N
3379207YVV	Other shades and blinds, nec, and curtain and drapery rods, poles, and fixtures, nsk	N	X	X	98 422	N	X	X	13 588
337920W	Drapery hardware and blinds and shades, nsk, total	N	X	X	146 519	N	X	X	224 988
337920WY	Drapery hardware and blinds and shades, nsk	N	X	X	146 519	N	X	X	N
337920WYWW	Drapery hardware and blinds and shades, nsk, for nonadministrative-record establishments	N	X	X	79 376	N	X	X	175 875
337920WYWY	Drapery hardware and blinds and shades, nsk, for administrative-record establishments	N	X	X	67 143	N	X	X	49 113
339111	Laboratory apparatus and furniture	N	X	X	2 047 886	N	X	X	1 845 526
3391110	Laboratory apparatus and furniture @	N	X	X	2 047 886	N	X	X	1 845 526
33911101	Laboratory and scientific apparatus	N	X	X	1 657 143	N	X	X	N
3391110110	Laboratory and scientific apparatus	237	X	X	1 657 143	217	X	X	1 409 395
33911102	Laboratory furniture and parts sold separately	N	X	X	246 381	N	X	X	N
3391110230	Laboratory furniture and parts sold separately	33	X	X	246 381	33	X	X	289 018
3391110Y	Laboratory apparatus and furniture, nsk, total	N	X	X	144 362	N	X	X	N
3391110YVV	Laboratory apparatus and furniture, nsk, for nonadministrative-record establishments	N	X	X	57 949	N	X	X	114 161
3391110YWY	Laboratory apparatus and furniture, nsk, for administrative-record establishments	N	X	X	86 413	N	X	X	32 952
339112	Surgical and medical instruments	N	X	X	17 367 955	N	X	X	N
3391121	Surgical and medical instruments and apparatus	N	X	X	15 490 627	N	X	X	N
33911211	Surgical, medical, and orthopedic instruments	N	X	X	2 972 485	N	X	X	N
3391121101	Surgical and medical instruments, including suture needles, eye, ear, nose, and throat instruments	100	X	X	2 505 639	86	X	X	2 174 219
3391121106	Orthopedic instruments, excluding eye, ear, nose, and throat instruments	36	X	X	466 846	39	X	X	307 123
33911212	Diagnostic apparatus including metabolism, blood pressure, and optical	N	X	X	1 873 884	N	X	X	N
3391121211	Metabolism and blood pressure diagnostic apparatus	15	X	X	149 864	24	X	X	246 178
3391121216	Other diagnostic apparatus, including optical diagnostic apparatus	59	X	X	1 724 020	63	X	X	1 122 456
33911213	Surgical and medical syringes and hypodermic needles	N	X	X	1 027 062	N	X	X	N
3391121321	Surgical and medical syringes	15	X	X	800 971	20	X	X	696 658
3391121326	Surgical and medical hypodermic needles	12	X	X	226 091	16	X	X	215 401
33911214	Surgical and medical blood transfusion, IV equipment, and donor kits	N	X	X	581 296	N	X	X	N
3391121431	Surgical and medical blood transfusion, IV equipment, and donor kits	41	X	X	581 296	41	X	X	833 103
33911215	Surgical and medical catheters	N	X	X	3 319 230	N	X	X	N
3391121536	Surgical and medical catheters	78	X	X	3 319 230	73	X	X	2 001 124

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339112	Surgical and medical instruments—Con.								
3391121	Surgical and medical instruments and apparatus—Con.								
33911216	Other surgical and medical instruments	N	X	X	4 668 623	N	X	X	N
3391121641	Surgical and medical anesthesia apparatus and instruments	26	X	X	378 496	22	X	X	446 314
3391121646	Surgical and medical bone plates, screws, and nails, and other internal fixation devices or appliances	26	X	X	662 160	24	X	X	400 009
3391121651	Surgical and medical mechanical therapy appliances	14	X	X	140 602	16	X	X	221 657
3391121656	Medical thermometers	6	X	X	21 455	N	X	X	N
3391121661	Other surgical and medical instruments	184	X	X	3 465 910	193	X	X	2 251 399
33911217	Parts for surgical and medical instruments and apparatus	N	X	X	647 884	N	X	X	N
3391121766	Parts for surgical and medical instruments and apparatus	81	X	X	647 884	94	X	X	501 680
3391121Y	Surgical and medical instruments and apparatus, nsk	N	X	X	400 163	N	X	X	N
3391121YWV	Surgical and medical instruments and apparatus, nsk	N	X	X	400 163	N	X	X	N
3391123	Hospital furniture	N	X	X	621 034	N	X	X	415 799
33911231	Hospital furniture	N	X	X	600 730	N	X	X	N
3391123106	Operating room furniture, including tables, cases, cabinets, etc.	16	X	X	161 761	19	X	X	147 259
3391123111	Patient room furniture, including cabinets, overbed tables, desks, dressers, etc., but excluding beds and chairs	14	X	X	114 741	15	X	X	137 187
3391123116	Other hospital furniture, excluding operating and patient room furniture, beds, and instruments	34	X	X	324 228	45	X	X	121 163
3391123Y	Hospital furniture, nsk	N	X	X	20 304	N	X	X	N
3391123YWV	Hospital furniture, nsk	N	X	X	20 304	N	X	X	10 190
339112W	Surgical and medical instrument manufacturing, nsk, total	N	X	X	1 256 294	N	X	X	N
339112WY	Surgical and medical instrument manufacturing, nsk, total	N	X	X	1 256 294	N	X	X	N
339112WYWW	Surgical and medical instrument manufacturing, nsk, for nonadministrative-record establishments	N	X	X	742 135	N	X	X	N
339112WYWY	Surgical and medical instrument manufacturing, nsk, for administrative-record establishments	N	X	X	514 159	N	X	X	N
339113	Surgical appliances and supplies	N	X	X	13 521 922	N	X	X	N
3391131	Surgical, orthopedic, prosthetic, and therapeutic appliances and supplies	N	X	X	10 453 117	N	X	X	N
33911311	Orthopedic and prosthetic artificial joints and limbs	N	X	X	2 022 308	N	X	X	N
3391131101	Orthopedic and prosthetic artificial joints	35	X	X	1 918 971	29	X	X	1 496 466
3391131104	Orthopedic and prosthetic artificial limbs	63	X	X	103 337	87	X	X	87 521
33911312	All other orthopedic and prosthetic appliances	N	X	X	2 227 121	N	X	X	N
3391131207	Orthopedic and prosthetic mechanical braces	72	X	X	235 997	77	X	X	142 681
3391131211	Orthopedic and prosthetic elastic braces, suspensories, and other elastic supports	40	X	X	127 082	38	X	X	222 301
3391131214	Orthopedic and prosthetic elastic stockings	8	X	X	D	12	X	X	45 501
3391131217	Orthopedic and prosthetic surgical corsets	12	X	X	D	14	X	X	21 380
3391131221	Orthopedic and prosthetic splints and trusses	20	X	X	75 190	22	X	X	70 945
3391131224	Orthopedic and prosthetic crutches, canes (orthopedic), and other walking assistance devices	13	X	X	115 706	15	X	X	82 973
3391131227	Orthopedic and prosthetic arch supports and other foot appliances	49	X	X	276 038	31	X	X	149 486
3391131231	Orthopedic and prosthetic intraocular lenses, orthopedic and prosthetic appliances	8	X	X	334 691	13	X	X	291 930
3391131234	Other orthopedic and prosthetic appliances	99	X	X	975 443	61	X	X	516 380

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
339113	Surgical appliances and supplies—Con.								
3391131	Surgical, orthopedic, prosthetic, and therapeutic appliances and supplies—Con.								
33911313	Surgical dressings	N	X	X	1 051 047	N	X	X	N
3391131337	Surgical dressings, elastic bandages	11	X	X	87 332	16	X	X	40 165
3391131341	Surgical dressings, other bandages, including muslin, plaster of paris, etc. excluding self-adhering bandages	11	X	X	47 362	20	X	X	107 392
3391131344	Surgical dressings, adhesive plaster, medicated and nonmedicated, including self-adhering bandages	15	X	X	261 138	16	X	X	273 072
3391131347	Surgical dressings, gauze (absorbent and packing)	9	X	X	122 123	9	X	X	57 047
3391131351	Surgical dressings, cotton, including cotton balls (sterile and nonsterile)	9	X	X	142 491	13	X	X	76 740
3391131354	Other surgical dressings, including sponges, compresses, pads, etc	28	X	X	390 601	30	X	X	425 542
33911314	Disposable surgical drapes, including O/B and O/R packs	N	X	X	358 893	N	X	X	N
3391131457	Disposable surgical drapes, including O/B and O/R packs	24	X	X	358 893	34	X	X	631 613
33911315	All other surgical and orthopedic items	N	X	X	4 579 359	N	X	X	N
3391131567	Sterile surgical sutures	9	X	X	475 056	13	X	X	528 777
3391131571	Breathing devices, excluding anesthetic apparatus but including incubators, respirators, resuscitators, inhalators, etc	31	X	X	488 466	38	X	X	353 931
3391131574	Patient transport devices, wheelchairs	22	X	X	384 239	25	X	X	280 475
3391131577	Other patient transport devices, including stretchers, tables, etc., except wheelchairs	27	X	X	150 591	27	X	X	141 121
3391131581	Therapeutic appliances and supplies, hydrotherapy equipment, including full body and limb tanks (portable and stationary)	9	X	X	34 439	7	X	X	36 160
3391131584	Other therapeutic appliances and supplies, excluding electromedical	46	X	X	382 778	35	X	X	157 852
3391131587	Surgical kits	18	X	X	742 088	19	X	X	559 033
3391131591	Other surgical and orthopedic products, nec	94	X	X	1 758 449	134	X	X	1 797 097
3391131594	Parts for surgical, orthopedic, prosthetic, and therapeutic appliances and supplies	42	X	X	163 253	69	X	X	157 703
3391131Y	Surgical, orthopedic, prosthetic, and therapeutic appliances and supplies, nsk	N	X	X	214 389	N	X	X	N
3391131YWV	Surgical, orthopedic, prosthetic, and therapeutic appliances and supplies, nsk	N	X	X	214 389	N	X	X	N
3391135	Personal industrial safety devices	N	X	X	1 641 569	N	X	X	1 345 172
33911351	Personal industrial safety devices	N	X	X	1 615 737	N	X	X	N
3391135101	Personal industrial safety devices, respiratory protection equipment, including gas masks, abrasive masks, canister masks, etc	25	X	X	534 552	27	X	X	485 501
3391135106	Personal industrial safety devices, helmets (hardhats)	11	X	X	97 904	11	X	X	65 454
3391135111	Personal industrial safety devices, eye and face protection devices (face shields, welding helmets, masks), excluding industrial goggles and eye protectors	23	X	X	135 121	30	X	X	103 917
3391135116	Personal industrial safety devices, protective clothing, except shoes	56	X	X	439 277	67	X	X	360 117
3391135121	First aid, snake bite, and burn kits, both household and industrial types	14	X	X	37 351	15	X	X	39 927
3391135126	Other personal safety devices, including motorcycle and auto racing helmets	71	X	X	371 532	55	X	X	246 153
3391135Y	Personal industrial safety devices, nsk	N	X	X	25 832	N	X	X	N
3391135YWV	Personal industrial safety devices, nsk	N	X	X	25 832	N	X	X	44 103
3391137	Hospital beds	N	X	X	493 586	N	X	X	372 390
33911371	Hospital beds	N	X	X	493 586	N	X	X	N
3391137100	Hospital beds	24	X	X	493 586	27	X	X	372 390

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
339113	Surgical appliances and supplies—Con.								
339113W	Surgical appliances and supplies manufacturing, nsk	N	X	X	933 650	N	X	X	N
339113WY	Surgical appliances and supplies manufacturing, nsk, total	N	X	X	933 650	N	X	X	N
339113WYWW	Surgical appliances and supplies manufacturing, nsk, for nonadministrative-record establishments	N	X	X	613 470	N	X	X	N
339113WYWY	Surgical appliances and supplies manufacturing, nsk, for administrative-record establishments	N	X	X	320 180	N	X	X	N
339114	Dental equipment and supplies	N	X	X	2 336 828	N	X	X	N
3391141	Dental professional equipment and supplies	N	X	X	1 583 987	N	X	X	N
33911411	Professional dental equipment	N	X	X	685 022	N	X	X	N
3391141101	Dental chairs	20	X	X	93 775	14	X	X	58 023
3391141106	Dental instrument delivery systems, dental units	16	X	X	119 138	19	X	X	65 093
3391141111	Dental hand pieces	19	X	X	94 273	21	X	X	48 256
3391141116	Dental hand instruments (forceps and pliers, broaches, cutting instruments, etc)	23	X	X	132 753	26	X	X	90 775
3391141121	Other dental professional equipment, including dental lasers, excluding x-ray	47	X	X	245 083	N	X	X	N
33911412	Professional dental supplies	N	X	X	876 308	N	X	X	N
3391141226	Dental burs, diamond points, abrasive points, wheels, disks, and similar tools for use with dental hand pieces	14	X	X	78 292	14	X	X	42 236
3391141231	Dental alloys for amalgams	7	X	X	41 294	9	X	X	53 427
3391141236	Dental impression materials (alginate, silicones, etc)	21	X	X	148 776	12	X	X	51 502
3391141241	Dental cements and other nonmetallic filling materials	18	X	X	127 111	15	X	X	77 363
3391141246	Other dental professional supplies	79	X	X	480 835	58	X	X	300 152
3391141Y	Dental professional equipment and supplies, nsk	N	X	X	22 657	N	X	X	N
3391141YWV	Dental professional equipment and supplies, nsk	N	X	X	22 657	N	X	X	N
3391143	Dental laboratory equipment and supplies	N	X	X	502 813	N	X	X	415 386
33911431	Dental laboratory equipment and supplies	N	X	X	500 383	N	X	X	N
3391143101	Dental laboratory equipment (furnaces, casting machines, lathes, benches, polishing units, flasks, blow pipes, etc)	16	X	X	32 102	13	X	X	96 763
3391143106	Dental laboratory supplies, precious metals	11	X	X	257 808	13	X	X	165 917
3391143111	Dental laboratory supplies, nonprecious metals	14	X	X	45 651	13	X	X	56 604
3391143116	Dental laboratory supplies, teeth (excluding dentures)	14	X	X	81 804	14	X	X	38 016
3391143121	Other dental laboratory supplies (waxes, gypsums, etc)	25	X	X	83 018	31	X	X	51 834
3391143Y	Dental laboratory equipment and supplies, nsk	N	X	X	2 430	N	X	X	N
3391143YWV	Dental laboratory equipment and supplies, nsk	N	X	X	2 430	N	X	X	6 252
339114W	Dental equipment and supplies manufacturing, nsk, total	N	X	X	250 028	N	X	X	N
339114WY	Dental equipment and supplies manufacturing, nsk, total	N	X	X	250 028	N	X	X	N
339114WYWW	Dental equipment and supplies manufacturing, nsk, for nonadministrative-record establishments	N	X	X	145 549	N	X	X	N
339114WYWY	Dental equipment and supplies manufacturing, nsk, for administrative-record establishments	N	X	X	104 479	N	X	X	N
339115	Ophthalmic goods	N	X	X	3 236 650	N	X	X	2 389 992

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
339115	Ophthalmic goods—Con.								
3391151	Ophthalmic fronts and temples	N	X	X	92 719	N	X	X	174 503
33911511	Eyeglass frames, without lenses inserted, and frame parts	N	X	X	91 107	N	X	X	N
3391151101	Plastic ophthalmic finished fronts (with or without decoration)	10	X	X	38 447	16	X	X	73 214
3391151106	Other ophthalmic finished fronts (with or without decoration)	8	X	X	36 413	6	X	X	37 317
3391151111	Plastic ophthalmic temples	6	X	X	6 241	10	X	X	36 948
3391151116	Other ophthalmic temples	5	X	X	10 006	5	X	X	20 075
3391151Y	Ophthalmic fronts and temples, nsk	N	X	X	1 612	N	X	X	N
3391151YWV	Ophthalmic fronts and temples, nsk	N	X	X	1 612	N	X	X	6 949
3391153	Glass ophthalmic focus lenses	N	X	X	98 397	N	X	X	158 055
33911531	Glass ophthalmic lenses	N	X	X	97 835	N	X	X	N
3391153101	Glass ophthalmic single vision lenses (ground and polished and molded blanks)	22	X	X	32 776	17	X	X	62 029
3391153106	Glass ophthalmic multifocal lenses (finished, semifinished, and molded blanks)	18	X	X	65 059	15	X	X	92 714
3391153Y	Glass ophthalmic focus lenses, nsk	N	X	X	562	N	X	X	N
3391153YWV	Glass ophthalmic focus lenses, nsk	N	X	X	562	N	X	X	3 312
3391155	Plastics ophthalmic focus lenses	N	X	X	609 618	N	X	X	424 871
33911551	Plastic single vision lenses	N	X	X	234 213	N	X	X	N
3391155101	Plastic ophthalmic single vision lenses	37	X	X	234 213	29	X	X	192 929
33911552	Plastic multifocal lenses	N	X	X	363 425	N	X	X	N
3391155206	Plastic ophthalmic multifocal lenses	30	X	X	363 425	23	X	X	230 913
3391155Y	Plastic ophthalmic focus lenses, nsk	N	X	X	11 980	N	X	X	N
3391155YWV	Plastic ophthalmic focus lenses, nsk	N	X	X	11 980	N	X	X	1 029
3391157	Contact lenses	N	X	X	1 335 186	N	X	X	923 720
33911571	Hard contact lenses	N	X	X	60 388	N	X	X	N
3391157101	Conventional (hard) contact lenses	23	X	X	60 388	29	X	X	94 636
33911572	Soft contact lenses	N	X	X	1 274 798	N	X	X	N
3391157206	Soft contact lenses	22	X	X	1 274 798	20	X	X	829 032
3391157Y	Contact lenses, nsk	N	X	X	—	N	X	X	N
3391157YWV	Contact lenses, nsk	N	X	X	—	N	X	X	52
339115B	Ophthalmic goods (except fronts, temples, and lenses) and grinding of lenses to prescription (except 1-hour labs)	N	X	X	786 957	N	X	X	403 077
339115B1	Ophthalmic goods (except fronts, temples, and lenses) and grinding of lenses to prescription (except 1-hour labs)	N	X	X	701 506	N	X	X	N
339115B101	Ophthalmic goods, industrial goggles, eye protectors, welding circles and plates, and mountings	16	X	X	158 194	14	X	X	99 754
339115B106	Ophthalmic goods, ready-made sun or glare glasses, sungoggles, and magnifying or reading glasses	14	X	X	332 651	N	X	X	N
339115B111	Ophthalmic goods, parts for frames and mounting, except fronts and temples	3	X	X	3 362	11	X	X	42 400
339115B116	Other ophthalmic plastic goods	13	X	X	40 542	20	X	X	48 688
339115B121	Other ophthalmic goods	14	X	X	38 904	10	X	X	50 709
339115B125	Prescription grinding of lenses (except 1-hour labs)	25	X	X	127 853	N	X	X	N
339115BY	Ophthalmic goods (except fronts, temples, and lenses), nsk	N	X	X	85 451	N	X	X	N
339115BYWV	Ophthalmic goods (except fronts, temples, and lenses), nsk	N	X	X	85 451	N	X	X	N
339115W	Ophthalmic goods, nsk, total	N	X	X	313 773	N	X	X	305 766
339115WY	Ophthalmic goods, nsk, total	N	X	X	313 773	N	X	X	N
339115WYWW	Ophthalmic goods manufacturing, nsk, for nonadministrative-record establishments	N	X	X	218 001	N	X	X	248 628
339115WYWY	Ophthalmic goods manufacturing, nsk, for administrative-record establishments	N	X	X	95 772	N	X	X	57 138

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339116	Dental laboratories	N	X	X	2 707 433	N	X	X	N
3391160	Dentures, artificial teeth, and orthodontic appliances manufactured to order for the dental profession (prescription basis)	N	X	X	2 707 433	N	X	X	N
33911601	Dentures, artificial teeth, and orthodontic appliances manufactured to order for the dental profession (prescription basis)	N	X	X	1 297 360	N	X	X	N
3391160100	Dentures, artificial teeth, and orthodontic appliances manufactured to order for the dental profession (prescription basis)	1 171	X	X	1 297 360	N	X	X	N
3391160Y	Dental laboratories, nsk, total	N	X	X	1 410 073	N	X	X	N
3391160YVW	Dental laboratories, nsk, for nonadministrative-record establishments	N	X	X	331 330	N	X	X	N
3391160YWY	Dental laboratories, nsk, for administrative-record establishments	N	X	X	1 078 743	N	X	X	N
339911	Jewelry, precious metal	N	X	X	4 639 666	N	X	X	N
3399111	Jewelry, made of platinum metals and karat gold	N	X	X	3 163 116	N	X	X	2 639 582
33991111	Fraternal, college, and school rings made of platinum metals and karat gold (complete)	N	X	X	259 906	N	X	X	N
3399111101	Fraternal, college, and school rings made of platinum metals and karat gold (complete)	31	X	X	259 906	40	X	X	261 562
33991112	Wedding rings made of platinum metals and karat gold (complete)	N	X	X	419 472	N	X	X	N
3399111206	Wedding rings made of platinum metals and karat gold (complete)	122	X	X	419 472	133	X	X	408 383
33991113	Other rings made of platinum metals and karat gold	N	X	X	514 208	N	X	X	N
3399111311	Other rings made of platinum metals and karat gold	224	X	X	514 208	234	X	X	537 252
33991114	Women's and children's jewelry (necklaces, bracelets and watch bracelets, brooches, pins, clips, earrings, lockets, etc) made of platinum metals and karat gold	N	X	X	1 169 290	N	X	X	N
3399111421	Women's and children's jewelry (necklaces, bracelets and watch bracelets, brooches, pins, clips, earrings, lockets, etc) made of platinum metals and karat gold	242	X	X	1 169 290	N	X	X	N
33991115	Ring mountings, organizational and other jewelry worn or carried about the person, made of platinum metals and karat gold	N	X	X	626 750	N	X	X	N
3399111516	Ring mountings made of platinum metals and karat gold, for sale separately	48	X	X	104 563	74	X	X	132 920
3399111526	Organizational jewelry (fraternal, college, and school jewelry and emblems, and military insignia, excluding rings) made of platinum metals and karat gold	27	X	X	44 469	30	X	X	69 711
3399111531	Other jewelry worn or carried about the person (watch chains, rosaries, cigarette cases, lighters, compacts, etc) made of platinum metals and karat gold	128	X	X	477 718	94	X	X	241 570
3399111Y	Jewelry, made of platinum metals and karat gold, nsk	N	X	X	173 490	N	X	X	N
3399111YVW	Jewelry, made of platinum metals and karat gold, nsk	N	X	X	173 490	N	X	X	70 688
3399113	Jewelry, made of silver (including platinum metals and karat gold clad to silver)	N	X	X	398 559	N	X	X	236 346
33991131	Jewelry made of silver (including platinum metals and karat gold clad to silver)	N	X	X	374 794	N	X	X	N
3399113101	Rings and ring mountings made of silver (including platinum metals and karat gold clad to silver)	71	X	X	87 798	58	X	X	59 957
3399113106	Men's jewelry (collar and cuff buttons, studs, watch chains, money clips, watch and identification bracelets, scarf pins, etc) made of silver (including platinum metals and karat gold clad to silver)	27	X	X	26 563	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
339911	Jewelry, precious metal—Con.								
3399113	Jewelry, made of silver (including platinum metals and karat gold clad to silver)—Con.								
33991131	Jewelry made of silver (including platinum metals and karat gold clad to silver)—Con.								
3399113111	Women's and children's jewelry (necklaces, bracelets and watch bracelets, brooches, pins, clips, earrings, lockets, etc) made of silver (including platinum metals and karat gold clad to silver)	118	X	X	176 345	N	X	X	N
3399113116	Other jewelry worn or carried about the person (rosaries, cigarette cases, lighters, compacts, vanity cases, etc) made of silver (including platinum metals and karat gold clad to silver)	38	X	X	84 088	32	X	X	26 356
3399113Y	Jewelry made of silver (including platinum metals and karat gold clad to silver), nsk	N	X	X	23 765	N	X	X	N
3399113YWV	Jewelry made of silver (including platinum metals and karat gold clad to silver), nsk	N	X	X	23 765	N	X	X	2 029
3399115	Other jewelry, except costume	N	X	X	452 381	N	X	X	N
33991151	Other jewelry, except costume	N	X	X	438 241	N	X	X	N
3399115101	Other rings and ring mountings (except costume) made of base metal clad with precious metal	17	X	X	65 055	18	X	X	22 968
3399115106	Other men's jewelry (collar and cuff buttons, studs, watch chains and bracelets, money clips, identification bracelets, scarf pins, etc, except costume) made of base metal clad with precious metal	15	X	X	16 514	N	X	X	N
3399115111	Other women's and children's jewelry (necklaces, bracelets and watch bracelets, brooches, pins, clips, earrings, lockets, etc, except costume) made of base metal clad with precious metal	39	X	X	139 364	N	X	X	N
3399115116	Other jewelry, including cigarette lighters (except costume) made of base metal clad with precious metal, and engraving and etching on precious metal jewelry	14	X	X	34 829	9	X	X	N
3399115118	Engraving and etching on precious metal jewelry	1	X	X	210	N	X	X	N
3399115121	Jewelry of semiprecious or precious stones, and natural or cultured pearls	52	X	X	182 269	N	X	X	N
3399115Y	Other jewelry, except costume, nsk	N	X	X	14 140	N	X	X	N
3399115YWV	Other jewelry, except costume, nsk	N	X	X	14 140	N	X	X	N
339911W	Jewelry, precious metals, nsk, total	N	X	X	625 610	N	X	X	N
339911WY	Jewelry, precious metal, nsk, total	N	X	X	625 610	N	X	X	N
339911WYWV	Jewelry, precious metal, nsk, for nonadministrative-record establishments	N	X	X	293 246	N	X	X	N
339911WYWY	Jewelry, precious metal, nsk, for administrative-record establishments	N	X	X	332 364	N	X	X	N
339912	Silverware and platedware	N	X	X	607 818	N	X	X	N
3399121	Hollowware (including toiletware, ecclesiastical ware, novelties, trophies, baby goods, and other platedware)	N	X	X	226 542	N	X	X	N
33991211	Hollowware (including toiletware, ecclesiastical ware, novelties, trophies, baby goods, and other platedware)	N	X	X	218 218	N	X	X	N
3399121101	Sterling silver hollowware (including toiletware, ecclesiastical ware, novelties, trophies, baby goods, and other platedware)	9	X	X	15 625	12	X	X	16 932
3399121106	Electrosilverplated hollowware (including toiletware, ecclesiastical ware, novelties, trophies, baby goods, and other platedware)	12	X	X	32 958	16	X	X	49 682
3399121111	Precious metal hollowware, other than silver, whether or not clad with precious metal (including toiletware, ecclesiastical ware, novelties, trophies, baby goods, and other platedware)	4	X	X	14 316	7	X	X	3 035
3399121116	Precious metal-clad base metal hollowware (including toiletware, ecclesiastical ware, novelties, trophies, baby goods, and other platedware)	8	X	X	17 653	5	X	X	6 508

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NAICS product code	Product	1997				1992			
		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
339912	Silverware and platedware—Con.								
3399121	Hollowware (including toiletware, ecclesiastical ware, novelties, trophies, baby goods, and other platedware)—Con.								
33991211	Hollowware (including toiletware, ecclesiastical ware, novelties, trophies, baby goods, and other platedware)—Con.								
3399121121	Pewter hollowware (including toiletware, ecclesiastical ware, novelties, trophies, baby goods, and other platedware)	23	X	X	68 524	28	X	X	79 598
3399121126	Unplated hollowware of other metals (including stainless steel)	17	X	X	69 142	N	X	X	N
3399121Y	Hollowware (including toiletware, ecclesiastical ware, novelties, trophies, baby goods, and other platedware), nsk	N	X	X	8 324	N	X	X	N
3399121YWV	Hollowware (including toiletware, ecclesiastical ware, novelties, trophies, baby goods, and other platedware), nsk	N	X	X	8 324	N	X	X	25 054
3399123	Flatware (including all knives, forks, spoons, and carving sets made wholly of metal)	N	X	X	352 740	N	X	X	N
33991231	Engraving and etching on silver and platedware	N	X	X	352 740	N	X	X	N
3399123101	Sterling silver flatware (including all knives, forks, spoons, and carving sets made wholly of metal)	7	X	X	64 996	6	X	X	N
3399123106	Electrosilverplated flatware (including all knives, forks, spoons, and carving sets made wholly of metal)	5	X	X	55 095	3	X	X	N
3399123111	Flatware made of precious metal other than silver, whether or not clad with precious metal (including all knives, forks, spoons, and carving sets made wholly of metal)	2	X	X	D	2	X	X	N
3399123116	Flatware made of base metal clad with precious metal (including all knives, forks, spoons, and carving sets made wholly of metal)	2	X	X	D	1	X	X	N
3399123121	Unplated flatware of other metals	7	X	X	D	N	X	X	N
3399123126	Engraving and etching on silver and platedware	4	X	X	4 737	N	X	X	N
3399123Y	Flatware (including all knives, forks, spoons, and carving sets made wholly of metal), nsk	N	X	X	—	N	X	X	N
3399123YWV	Flatware (including all knives, forks, spoons, and carving sets made wholly of metal), nsk	N	X	X	—	N	X	X	N
339912W	Flatware (including all knives, forks, spoons, and carving sets made wholly of metal), nsk, total	N	X	X	28 536	N	X	X	N
339912WY	Flatware (including all knives, forks, spoons, and carving sets made wholly of metal), nsk, total	N	X	X	28 536	N	X	X	N
339912WYWW	Flatware (including all knives, forks, spoons, and carving sets made wholly of metal), nsk, for nonadministrative-record establishments	N	X	X	14 510	N	X	X	N
339912WYWY	Flatware (including all knives, forks, spoons, and carving sets made wholly of metal), nsk, for administrative-record establishments	N	X	X	14 026	N	X	X	N
339913	Jewelers' materials and lapidary work	N	X	X	775 833	N	X	X	866 455
3399131	Diamonds (including industrial) and other natural precious, semiprecious, and synthetic stones (including the drilling of pearls) cut or polished in the plant from own materials for jewelry purposes	N	X	X	167 523	N	X	X	152 541
33991311	Diamonds (including industrial) and other natural precious, semiprecious, and synthetic stones (including the drilling of pearls) cut or polished in the plant from own materials for jewelry purposes	N	X	X	167 523	N	X	X	N
3399131100	Diamonds (including industrial) and other natural precious, semiprecious, and synthetic stones (including the drilling of pearls) cut or polished in the plant from own materials for jewelry purposes	30	X	X	167 523	N	X	X	N

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339913	Jewelers' materials and lapidary work—Con.								
3399133	Jewelers' findings and materials of precious metal	N	X	X	407 591	N	X	X	548 675
33991331	Jewelers' findings and materials of platinum and karat gold, except machine chain	N	X	X	290 559	N	X	X	N
3399133101	Jewelers' findings and materials of platinum and karat gold, except machine chain	42	X	X	290 559	43	X	X	281 202
33991332	Jewelers' machine chain of platinum and karat gold, and findings and materials of silver	N	X	X	98 964	N	X	X	N
3399133206	Jewelers' machine chain of platinum and karat gold	14	X	X	27 093	11	X	X	80 592
3399133211	Jewelers' findings and materials of silver	26	X	X	71 871	25	X	X	19 750
33991333	Jewelers' findings and materials made of base metal clad with precious metal	N	X	X	13 386	N	X	X	N
3399133316	Jewelers' findings and materials made of base metal clad with precious metal	17	X	X	13 386	20	X	X	164 579
3399133Y	Jewelers' findings and materials of precious metal, nsk	N	X	X	4 682	N	X	X	N
3399133YWV	Jewelers' findings and materials of precious metal, nsk	N	X	X	4 682	N	X	X	2 552
3399135	Jewelers' findings and shop-stock products made of base metal not clad with precious metal	N	X	X	68 358	N	X	X	89 395
33991351	Jewelers' findings and shop-stock products made of base metal not clad with precious metal	N	X	X	68 358	N	X	X	N
3399135100	Jewelers' findings and shop-stock products made of base metal not clad with precious metal	33	X	X	68 358	45	X	X	89 395
339913W	Jewelers' materials and lapidary work, nsk, total	N	X	X	132 361	N	X	X	75 844
339913WY	Jewelers' materials and lapidary work, nsk, total	N	X	X	132 361	N	X	X	N
339913WYWV	Jewelers' materials and lapidary work, nsk, for nonadministrative-record establishments	N	X	X	47 948	N	X	X	44 674
339913WYWY	Jewelers' materials and lapidary work, nsk, for administrative-record establishments	N	X	X	84 413	N	X	X	31 170
339914	Costume jewelry and novelties	N	X	X	1 239 333	N	X	X	N
3399140	Costume jewelry and costume novelties (except precious metal)	N	X	X	1 239 333	N	X	X	N
33991401	Women's and children's costume jewelry and costume novelties (including watch attachments) made of base metal, whether or not electroplated with gold, silver, chromium, etc, except rings	N	X	X	762 478	N	X	X	N
3399140111	Women's and children's costume jewelry and costume novelties (including watch attachments) made of base metal, whether or not electroplated with gold, silver, chromium, etc, except rings	152	X	X	736 510	N	X	X	N
3399140118	Metal trophies, except precious metal	17	X	X	25 968	N	X	X	N
33991402	Other costume jewelry, and costume novelties made of plastics, wood, leather	N	X	X	278 710	N	X	X	N
3399140201	Costume jewelry rings and ring mountings made of base metal, whether or not electroplated with gold, silver, chromium, etc	26	X	X	44 782	30	X	X	97 175
3399140206	Men's costume jewelry (including watch attachments) made of base metal, whether or not electroplated with gold, silver, chromium, etc, except rings	15	X	X	18 422	N	X	X	N
3399140216	Fraternal, college, and school costume jewelry and emblems (including military insignia, excluding rings) made of base metal, whether or not electroplated with gold, silver, chromium, etc	23	X	X	51 103	32	X	X	N
3399140221	Other costume jewelry worn or carried about the person (except compacts, vanity cases, cigar and cigarette cases, and lighters) made of base metal, whether or not electroplated with gold, silver, etc	20	X	X	29 266	36	X	X	56 053

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339914	Costume jewelry and novelties—Con.								
3399140	Costume jewelry and costume novelties (except precious metal)—Con.								
33991402	Other costume jewelry, and costume novelties made of plastics, wood, leather—Con.								
3399140226	Other costume jewelry, compacts, nonleather vanity cases, imitation pearls, and costume novelties made of plastics, wood, leather.....	72	X	X	135 137	N	X	X	N
3399140Y	Costume jewelry, nsk	N	X	X	198 145	N	X	X	N
3399140YWW	Costume jewelry, nsk, for nonadministrative-record establishments	N	X	X	132 048	N	X	X	N
3399140YWY	Costume jewelry, nsk, for administrative-record establishments	N	X	X	66 097	N	X	X	N
339920	Sporting and athletic goods	N	X	X	9 674 595	N	X	X	6 993 925
3399201	Fishing tackle and equipment	N	X	X	683 057	N	X	X	493 073
33992011	Fishing tackle and equipment	N	X	X	659 419	N	X	X	N
3399201101	Fishing rods, all types	18	X	X	73 799	19	X	X	43 071
3399201106	Fishing reels, all types	15	X	X	120 441	9	X	X	D
3399201111	Fishing rod and reel combinations	6	X	X	D	5	X	X	D
3399201116	Fish hooks (including snelled hooks)	5	X	X	D	7	X	X	30 979
3399201121	Fishing casting plugs, spinners, spoons, flies, lures, and similar artificial baits	60	X	X	166 491	64	X	X	136 902
3399201126	Fishing tackle boxes	5	X	X	D	8	X	X	45 140
3399201131	Other fishing equipment, including creels, fish and bait buckets, floats, furnished lines, sinkers, snap swivels, etc	53	X	X	97 021	63	X	X	69 642
3399201Y	Fishing tackle and equipment, nsk	N	X	X	23 638	N	X	X	N
3399201YVV	Fishing tackle and equipment, nsk	N	X	X	23 638	N	X	X	13 389
3399203	Golf equipment	N	X	X	2 921 096	N	X	X	1 781 982
33992031	Golf balls	N	X	X	801 027	N	X	X	N
3399203101	Golf balls	11	X	X	801 027	12	X	X	501 788
33992032	Golf clubs, irons	N	X	X	906 246	N	X	X	N
3399203206	Golf clubs, irons	40	X	X	906 246	47	X	X	507 032
33992033	Golf clubs, woods	N	X	X	617 183	N	X	X	N
3399203311	Golf clubs, woods	30	X	X	617 183	48	X	X	337 006
33992034	Other golf equipment including bags, carts for carrying golf bags, excluding shoes and apparel	N	X	X	485 437	N	X	X	N
3399203416	Golf bags	22	X	X	139 177	25	X	X	157 562
3399203421	Other golf equipment (carts for carrying golf bags, shafts sold as such, tees, etc), excluding shoes and apparel	54	X	X	346 260	54	X	X	266 920
3399203Y	Golf equipment, nsk	N	X	X	111 203	N	X	X	N
3399203YVV	Golf equipment, nsk	N	X	X	111 203	N	X	X	11 674
3399205	Playground equipment	N	X	X	756 549	N	X	X	384 556
33992051	Playground equipment	N	X	X	748 291	N	X	X	N
3399205101	Home playground equipment, including swing sets, slides, seesaws, sandboxes, etc	27	X	X	372 731	29	X	X	226 402
3399205106	Institutional and commercial playground equipment, heavy-duty (including swings, slides, etc)	38	X	X	375 560	48	X	X	158 056
3399205Y	Playground equipment, nsk	N	X	X	8 258	N	X	X	N
3399205YVV	Playground equipment, nsk	N	X	X	8 258	N	X	X	98
3399207	Gymnasium and exercise equipment	N	X	X	1 424 482	N	X	X	1 375 906
33992071	Gymnasium and exercise equipment	N	X	X	1 388 556	N	X	X	N
3399207101	Gymnasium and gymnastic apparatus and equipment (parallel and horizontal bars, balance beams, trampolines, mats, etc)	34	X	X	97 721	36	X	X	85 807
3399207111	Free weight lifting equipment (including belts, benches, and weights)	26	X	X	134 532	N	X	X	N
3399207121	Cross-country ski exercisers	1	X	X	D	N	X	X	N
3399207131	Training units (multi- and single-station) and home gyms	18	X	X	102 739	N	X	X	N
3399207141	Treadmills	13	X	X	333 807	N	X	X	N
3399207151	Gliders and riders	1	X	X	D	N	X	X	N
3399207199	Other health, physical fitness, and exercising equipment (rowing machines, slant-boards, ab exercisers, etc.)	52	X	X	673 398	N	X	X	N
3399207Y	Gymnasium and exercise equipment, nsk	N	X	X	35 926	N	X	X	N
3399207YVV	Gymnasium and exercise equipment, nsk	N	X	X	35 926	N	X	X	14 017

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339920	Sporting and athletic goods—Con.								
3399209	Other sporting and athletic goods	N	X	X	2 965 735	N	X	X	2 365 277
33992091	Other sporting and athletic goods	N	X	X	2 897 140	N	X	X	N
3399209101	Billiard and pool tables	24	X	X	114 403	21	X	X	100 623
3399209106	Billiard and pool supplies (such as balls, cues, etc.) sold separately	21	X	X	33 558	17	X	X	26 402
3399209111	Bowling alleys and bowling pinsetters	8	X	X	123 301	8	X	X	135 341
3399209116	Bowling balls	5	X	X	118 048	5	X	X	77 105
339920911A	Surfboards and sailboards	21	X	X	44 216	18	X	X	21 805
339920911F	Water skis	8	X	X	41 265	5	X	X	35 648
339920911K	Underwater sports equipment (SCUBA) and skindiving equipment, excluding watches and cameras	21	X	X	99 806	16	X	X	113 147
339920911P	Bicycle helmets	3	X	X	D	N	X	X	N
339920911U	Football helmets	4	X	X	D	4	X	X	D
339920911Y	Other sports helmets, excluding football, motorcycle, auto racing, and bicycle	8	X	X	69 198	N	X	X	N
3399209121	Other bowling alley playing supplies (including pins, etc.)	9	X	X	84 041	11	X	X	144 787
3399209126	Baseballs and softballs	5	X	X	4 544	4	X	X	48 247
339920912A	Body protective equipment for all sports (masks; shoulder, chest, knee, and kidney pads; etc), excluding helmets	22	X	X	60 417	27	X	X	73 399
339920912F	Football, baseball, and soccer equipment, nec (including track, field, and miscellaneous athletic field equipment)	29	X	X	69 075	30	X	X	41 236
339920912K	Wading pools and other above-ground swimming pools less than 15 ft in diameter, not filtered	2	X	X	D	3	X	X	D
339920912P	Above-ground swimming pools 15 ft in diameter or more, filtered (completely manufactured)	12	X	X	112 231	11	X	X	115 873
339920912U	Other sporting and athletic goods	196	X	X	949 834	N	X	X	N
3399209131	Baseball mitts and gloves, including softball	1	X	X	D	3	X	X	D
3399209136	Wood baseball bats, including softball bats	4	X	X	3 762	3	X	X	13 768
3399209141	Metal baseball bats, including softball bats	5	X	X	90 028	5	X	X	80 305
3399209146	Footballs	3	X	X	D	4	X	X	34 666
3399209151	All inflatable athletic balls other than footballs (including basketballs, soccer balls, volleyballs, etc.)	1	X	X	D	5	X	X	6 266
3399209156	Tennis equipment, excluding clothing, shoes, and nets	10	X	X	79 448	N	X	X	N
3399209161	Racquetball rackets and racquetballs	2	X	X	D	5	X	X	8 675
3399209166	Archery equipment	57	X	X	229 829	61	X	X	205 380
3399209171	Ice and ice hockey skates	3	X	X	D	N	X	X	N
3399209176	Traditional roller skates (quads)	2	X	X	D	N	X	X	N
3399209181	Inline skates	4	X	X	D	N	X	X	N
3399209186	Wooden and plastics skateboards (including complete sets)	14	X	X	55 348	8	X	X	11 993
3399209191	Winter sports equipment (bobsleds, toboggans, hockey goods, etc.), excluding clothing, protective equipment, and skates	15	X	X	69 719	N	X	X	N
3399209193	Snowboards	18	X	X	89 029	N	X	X	N
3399209196	Snow skis and other snow-ski equipment (excluding clothing, body protective equipment, and boots)	14	X	X	80 861	13	X	X	18 530
3399209Y	Other sporting and athletic goods, nsk	N	X	X	68 595	N	X	X	N
3399209YVV	Other sporting and athletic goods, nsk	N	X	X	68 595	N	X	X	54 581
339920W	Sporting and athletic goods, nec, nsk	N	X	X	923 676	N	X	X	593 131
339920WY	Sporting and athletic goods, nec, nsk	N	X	X	923 676	N	X	X	N
339920WYWW	Sporting and athletic goods, nec, nsk, for nonadministrative-record establishments	N	X	X	514 438	N	X	X	413 424
339920WYWY	Sporting and athletic goods, nec, nsk, for administrative-record establishments	N	X	X	409 238	N	X	X	179 707
339931	Dolls and stuffed toys	N	X	X	297 496	N	X	X	290 475
3399310	Dolls and toy animals, including accessories	N	X	X	297 496	N	X	X	290 475

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339931	Dolls and stuffed toys—Con.								
3399310	Dolls and toy animals, including accessories—Con.								
33993101	Dolls, puppets, and other figures not stuffed	N	X	X	80 477	N	X	X	N
3399310106	Dolls, complete, more than 13 in., including mechanical/electrical (except stuffed dolls)	11	X	X	41 630	14	X	X	11 556
3399310111	Dolls, complete, 13 in. or less, including fashion dolls, action figures, and collectors' miniatures (except stuffed)	9	X	X	37 836	10	X	X	18 656
3399310131	Puppets, marionettes, and other animals and figures not stuffed	3	X	X	1 011	5	X	X	6 899
33993102	Doll parts (clothes, accessories, and playsets for dolls, including fashion dolls and action figures)	N	X	X	14 681	N	X	X	N
3399310216	Doll parts (clothes, accessories, and playsets for dolls, including fashion dolls and action figures)	5	X	X	14 681	7	X	X	19 161
33993103	Stuffed toys and dolls	N	X	X	177 657	N	X	X	N
3399310301	Stuffed dolls	15	X	X	33 637	12	X	X	33 421
3399310321	Stuffed toy animals	25	X	X	102 164	27	X	X	106 655
3399310326	Other stuffed toys	12	X	X	41 856	6	X	X	12 956
3399310Y	Dolls and stuffed toys, nsk	N	X	X	24 681	N	X	X	N
3399310YWW	Dolls and stuffed toys, nsk, for nonadministrative-record establishments	N	X	X	11 383	N	X	X	70 927
3399310YWY	Dolls and stuffed toys, nsk, for administrative-record establishments	N	X	X	13 298	N	X	X	10 244
339932	Games, toys, and children's vehicles	N	X	X	3 905 925	N	X	X	N
3399321	Baby carriages and children's vehicles, except bicycles with pneumatic tires	N	X	X	561 678	N	X	X	N
33993211	Baby carriages and children's vehicles, except bicycles with pneumatic tires	N	X	X	513 317	N	X	X	N
3399321101	Baby carriages and strollers	7	X	X	46 881	7	X	X	113 510
3399321106	Children's tricycles (including pedal and chain driven), plastics construction	3	X	X	D	N	X	X	N
3399321111	Parts for children's vehicles, sold separately	4	X	X	D	2	X	X	N
3399321116	Other children's vehicles (automobiles, tractors, two-wheel sidewalk cycles, scooters, wagons, baby walkers, and sleds) (excluding bicycles with pneumatic tires)	16	X	X	441 945	18	X	X	N
3399321Y	Baby carriages and children's vehicles, except bicycles with pneumatic tires, nsk	N	X	X	48 361	N	X	X	N
3399321YWW	Baby carriages and children's vehicles, except bicycles with pneumatic tires, nsk	N	X	X	48 361	N	X	X	N
3399323	Toys, excluding games, hobbies, and electronic toys	N	X	X	1 491 217	N	X	X	1 736 403
33993231	Nonpowered transportation toys and sets, including trains, nonriding, except model kits	N	X	X	106 433	N	X	X	N
3399323111	Toy trains and equipment (mechanical and electric)	5	X	X	31 484	7	X	X	66 952
3399323116	Plastics nonpowered transportation toys (nonriding, sold without accessories), except model kits, greater than 6 in. in length	4	X	X	34 451	8	X	X	91 823
3399323121	Other nonpowered transportation toys (nonriding, sold without accessories), except model kits, greater than 6 in. in length	4	X	X	34 964	7	X	X	67 427
3399323126	Other nonpowered transportation toys (nonriding, sold without accessories), except model kits, 6 in. in length or less	2	X	X	D	6	X	X	14 320
3399323131	Nonpowered transportation toy sets (nonriding, sold with accessories), except model kits	1	X	X	D	5	X	X	45 557
33993232	Other toys including doll carriages, strollers, carts, houses and furniture, musical toys and instruments, infant toys, nec	N	X	X	862 472	N	X	X	N
3399323201	Doll carriages, strollers, and doll carts	5	X	X	D	6	X	X	13 794
3399323206	Doll houses and furniture (excluding collectors' doll houses, miniatures, and accessories)	5	X	X	21 254	7	X	X	11 829
3399323236	Musical toys and toy musical instruments, except electronic	6	X	X	14 422	8	X	X	15 449
3399323241	Infant toys, nec, except games, hobbies, and electronic toys	5	X	X	D	8	X	X	72 236

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NAICS product code	Product	1997				1992			
		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
339932	Games, toys, and children's vehicles—Con.								
3399323	Toys, excluding games, hobbies, and electronic toys—Con.								
33993232	Other toys including doll carriages, strollers, carts, houses and furniture, musical toys and instruments, infant toys, nec—Con.								
3399323256	Children's coloring books and picture-word books, except games	5	X	X	29 606	21	X	X	107 992
3399323261	Juvenile-scale sporting goods and inflatables (including sand, water, gardening toys, etc.)	11	X	X	42 144	16	X	X	92 619
3399323271	Parts for toys	8	X	X	15 412	18	X	X	59 240
3399323276	Toys, nec	69	X	X	433 691	N	X	X	N
33993233	Preschool playsets and toys, nec (excluding infants' toys, building toys, and electronic toys)	N	X	X	237 296	N	X	X	N
3399323346	Preschool playsets and toys, nec (excluding infants' toys, building toys, and electronic toys)	20	X	X	237 296	14	X	X	238 646
33993234	Toy guns, gun sets, and rifles	N	X	X	29 317	N	X	X	N
3399323451	Toy guns, gun sets, and rifles	3	X	X	29 317	8	X	X	34 434
33993235	Housekeeping and cooking toys (including tea sets and play tools)	N	X	X	88 553	N	X	X	N
3399323566	Housekeeping and cooking toys (including tea sets and play tools)	9	X	X	88 553	12	X	X	187 503
3399323Y	Toys, excluding games, hobbies, and electronic toys, nsk	N	X	X	167 146	N	X	X	N
3399323YVV	Toys, excluding games, hobbies, and electronic toys, nsk	N	X	X	167 146	N	X	X	18 867
3399325	Models (operating or static), craft, structural, and scientific equipment kits, sets, and individual units	N	X	X	659 330	N	X	X	452 301
33993251	Electrically operated model railroads, operating model cars, boats, planes, and other models, static models, all materials and components and accessories for all models, operating and static	N	X	X	376 557	N	X	X	N
3399325101	Electrically operated model railroads (individual units, kits, sets, and accessories)	15	X	X	111 777	11	X	X	38 920
3399325106	Operating model cars, boats, planes, and other models (individual units, kits, and sets)	21	X	X	98 124	19	X	X	65 110
3399325111	Static models, other than plastics (all individual units, kits, sets, and structural kits, including railroad, car, boat, and plane)	15	X	X	43 137	6	X	X	8 994
3399325116	Plastics static models	11	X	X	109 338	6	X	X	80 944
3399325121	Components and accessories for all models (operating and static)	12	X	X	14 181	9	X	X	16 113
33993252	Craft kits and supplies individually packaged or in bulk, microscopes, chemistry sets, or any natural science kit or set, collectors' miniatures, except dolls	N	X	X	276 027	N	X	X	N
3399325226	Craft kits and supplies individually packaged or in bulk (decoupage, macrame, tiffany glass, beadery, etc.)	35	X	X	217 212	41	X	X	182 429
3399325231	Science: microscopes, chemistry sets, or any natural science kit or set (botany, mineralogy, electrical, etc.)	5	X	X	20 698	6	X	X	15 652
3399325236	Collectors' miniatures (doll houses, accessories, soldiers or historic figures, scale cars, aircraft, etc.), except dolls	18	X	X	38 117	10	X	X	25 798
3399325Y	Hobbies: models/craft, structural, and scientific equipment kits, sets, and individual units, nsk	N	X	X	6 746	N	X	X	N
3399325YVV	Hobbies: models/craft, structural, and scientific equipment kits, sets, and individual units, nsk	N	X	X	6 746	N	X	X	18 341
3399327	Nonelectronic games	N	X	X	638 310	N	X	X	632 311
33993271	Board games	N	X	X	290 068	N	X	X	N
3399327101	Board games	22	X	X	290 068	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
339932	Games, toys, and children's vehicles—Con.								
3399327	Nonelectronic games—Con.								
33993272	Nonelectronic action and skill games, puzzles, and parts for games, excluding electronic parts	N	X	X	345 766	N	X	X	N
3399327206	Sports-oriented nonelectronic action and skill games (football, baseball, etc)	7	X	X	77 713	7	X	X	55 552
3399327211	Nonsports-oriented nonelectronic action and skill games	5	X	X	D	7	X	X	111 400
3399327216	Puzzles	15	X	X	111 178	18	X	X	93 798
3399327221	Other nonelectronic games	23	X	X	60 738	24	X	X	D
3399327226	Parts for games (excluding electronic parts)	7	X	X	D	8	X	X	16 287
3399327Y	Nonelectronic games, nsk	N	X	X	2 476	N	X	X	N
3399327YVV	Nonelectronic games, nsk	N	X	X	2 476	N	X	X	9 754
3399329	Electronic games and toys (excluding disks, tapes, and cartridges)	N	X	X	188 111	N	X	X	63 976
33993291	Electronic games and toys (excluding disks, tapes, and cartridges)	N	X	X	188 111	N	X	X	N
3399329100	Electronic games and toys (excluding disks, tapes, and cartridges)	13	X	X	188 111	N	X	X	N
339932W	Games, toys, and children's vehicles, nsk	N	X	X	367 279	N	X	X	N
339932WY	Games, toys, and children's vehicles, nsk	N	X	X	367 279	N	X	X	N
339932WYVW	Games, toys, and children's vehicles, nsk, for nonadministrative-record establishments	N	X	X	298 161	N	X	X	N
339932WYVY	Games, toys, and children's vehicles, nsk, for administrative-record establishments	N	X	X	69 118	N	X	X	N
339941	Pens and mechanical pencils	N	X	X	1 561 179	N	X	X	1 240 380
3399411	Pens	N	X	X	772 423	N	X	X	592 805
33994111	Refillable ballpoint pens	N	X	X	237 455	N	X	X	N
3399411101	Refillable ballpoint pens	23	X	X	237 455	32	X	X	297 159
33994112	Nonrefillable ballpoint pens	N	X	X	299 217	N	X	X	N
3399411206	Nonrefillable ballpoint pens	25	X	X	299 217	21	X	X	218 942
33994113	Roller pens	N	X	X	223 381	N	X	X	N
3399411311	Roller pens	16	X	X	223 381	13	X	X	74 314
3399411Y	Pens, nsk	N	X	X	12 370	N	X	X	N
3399411YVV	Pens, nsk	N	X	X	12 370	N	X	X	2 390
3399413	Markers	N	X	X	488 656	N	X	X	366 313
33994131	Fine-point markers (thin-line writing pens)	N	X	X	187 036	N	X	X	N
3399413101	Fine-point markers (thin-line writing pens)	12	X	X	187 036	17	X	X	106 215
33994132	Broad-tipped markers (thick-line coloring pens and markers)	N	X	X	300 091	N	X	X	N
3399413206	Broad-tipped markers (thick-line coloring pens and markers)	23	X	X	300 091	19	X	X	259 596
3399413Y	Markers, nsk	N	X	X	1 529	N	X	X	N
3399413YVV	Markers, nsk	N	X	X	1 529	N	X	X	502
3399415	Other pens, mechanical pencils, and parts	N	X	X	254 336	N	X	X	260 848
33994151	Other pens, mechanical pencils, and parts	N	X	X	213 809	N	X	X	N
3399415101	Mechanical pencils, including clutch action and twist action	13	X	X	67 766	14	X	X	74 118
3399415106	Ballpoint pen refill cartridges	10	X	X	21 247	10	X	X	27 946
3399415111	All other refill cartridges (for fountain and roller pens, fine-point markers, etc)	5	X	X	3 698	8	X	X	23 572
3399415116	All other pens and mechanical pencil parts (including pen points, renewal parts, fountain pens, desk sets, etc)	33	X	X	121 098	33	X	X	132 495
3399415Y	Other pens, mechanical pencils, and parts, nsk	N	X	X	40 527	N	X	X	N
3399415YVW	Other pens, mechanical pencils, and parts, nsk	N	X	X	40 527	N	X	X	2 717
339941W	Pens and mechanical pencils, nsk	N	X	X	45 764	N	X	X	20 414
339941WY	Pens and mechanical pencils, nsk	N	X	X	45 764	N	X	X	N
339941WYVW	Pens and mechanical pencils, nsk, for nonadministrative-record establishments	N	X	X	22 502	N	X	X	8 680
339941WYVY	Pens and mechanical pencils, nsk, for administrative-record establishments	N	X	X	23 262	N	X	X	11 734

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
339942	Lead pencils and art goods	N	X	X	1 104 610	N	X	X	N
3399421	Blackboards	N	X	X	497 609	N	X	X	N
33994211	Nonmechanical wood-cased pencils, indelible, colored, etc., and graphite and colored sticks	N	X	X	257 991	N	X	X	N
3399421101	Nonmechanical (wood-cased) black graphite pencils	12	X	X	176 020	12	X	X	158 208
3399421106	Other nonmechanical (wood-cased) pencils (indelible, colored, etc.) and graphite and colored sticks	6	X	X	81 971	6	X	X	18 699
33994212	Crayons and chalk, except artists', including tailors' chalk	N	X	X	165 456	N	X	X	N
3399421211	Crayons and chalk, except artists', including tailors' chalk	9	X	X	165 456	8	X	X	168 690
33994213	Blackboards	N	X	X	66 866	N	X	X	N
3399421316	Blackboards	10	X	X	66 866	N	X	X	N
3399421Y	Nonmechanical pencils, crayons, and chalk, nsk	N	X	X	7 296	N	X	X	N
3399421YVV	Nonmechanical pencils, crayons, and chalk, nsk	N	X	X	7 296	N	X	X	N
3399423	Artists' equipment	N	X	X	284 932	N	X	X	N
33994231	Artists' equipment (including children's school art equipment, pantographs, and pyrography goods; excluding artists' crayons and other art materials, drawing and drafting tables and boards)	N	X	X	53 060	N	X	X	N
3399423101	Artists' equipment (including children's school art equipment, pantographs, and pyrography goods; excluding artists' crayons and other art materials, drawing and drafting tables and boards)	25	X	X	53 060	N	X	X	N
33994232	Other art materials (including modeling clay, other modeling material, chalk, watercolors, tempera colors, fingerpaint, block printing ink, etc), excluding drawing and india ink	N	X	X	231 872	N	X	X	N
3399423206	Other art materials (including modeling clay, other modeling material, chalk, watercolors, tempera colors, fingerpaint, block printing ink, etc), excluding drawing and india ink	35	X	X	231 872	N	X	X	N
3399423Y	Artists' equipment, nsk	N	X	X	—	N	X	X	N
3399423YVV	Artists' equipment, nsk	N	X	X	—	N	X	X	N
3399425	Lead pencil and art goods manufacturing, nec	N	X	X	228 418	N	X	X	N
33994250	Lead pencil and art goods manufacturing, nec	N	X	X	228 418	N	X	X	N
3399425000	Lead pencil and art goods manufacturing, nec	8	X	X	228 418	N	X	X	N
339942W	Lead pencils and art goods, nsk	N	X	X	93 651	N	X	X	N
339942WY	Lead pencil and art goods manufacturing, nsk	N	X	X	93 651	N	X	X	N
339942WYWW	Lead pencil and art goods manufacturing, nsk, for nonadministrative-record establishments	N	X	X	71 518	N	X	X	N
339942WYWY	Lead pencil and art goods manufacturing, nsk, for administrative-record establishments	N	X	X	22 133	N	X	X	N
339943	Marking devices	N	X	X	644 415	N	X	X	601 866
3399430	Hand stamps, stencils, and other marking devices	N	X	X	644 415	N	X	X	601 866
33994301	Rubber and vinyl hand and permanently inked stamps	N	X	X	166 880	N	X	X	N
3399430101	Rubber and vinyl hand stamps, typeholder, and dies, custom and stock	116	X	X	100 276	139	X	X	92 502
3399430106	Rubber and vinyl permanently inked stamps, excluding print dies	47	X	X	66 604	59	X	X	32 552
33994302	Mechanical hand stamps, self inkers including daters, time and numbering stamps, and metal and rubber wheel band goods	N	X	X	91 749	N	X	X	N
3399430211	Mechanical hand stamps, self inkers including daters, time and numbering stamps, and metal and rubber wheel band goods	58	X	X	91 749	72	X	X	149 110

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
339943	Marking devices—Con.								
3399430	Hand stamps, stencils, and other marking devices—Con.								
33994303	Other marking devices, such as stencils, letters, figures, numerals, stamp pads, branding irons, etc.	N	X	X	243 192	N	X	X	N
3399430316	Embossing seals, including notary, engineering, corporate, stationery, etc.	11	X	X	9 747	24	X	X	12 171
3399430321	Hand, letter, and figure stamps, dies, types and type holders, and steel embossing and incising numbering heads.	28	X	X	68 931	42	X	X	55 279
3399430326	Other marking devices, such as stencils, letters, figures, numerals, stamp pads, branding irons, etc.	68	X	X	164 514	57	X	X	136 782
3399430Y	Marking devices, nsk.	N	X	X	142 594	N	X	X	N
3399430YWW	Marking devices, nsk, for nonadministrative-record establishments.	N	X	X	100 081	N	X	X	84 185
3399430YWY	Marking devices, nsk, for administrative-record establishments.	N	X	X	42 513	N	X	X	39 285
339944	Carbon paper and inked ribbons	N	X	X	808 928	N	X	X	871 563
3399441	Inked ribbons.	N	X	X	692 017	N	X	X	690 836
33994411	Inked computer (electronic data processing) ribbons.	N	X	X	405 401	N	X	X	N
3399441106	Inked computer (electronic data processing) ribbons.	41	X	X	405 401	53	X	X	506 681
33994412	Other inked ribbons, including typewriter.	N	X	X	258 373	N	X	X	N
3399441201	Inked typewriter ribbons.	20	X	X	189 653	21	X	X	123 024
3399441211	Other inked ribbons.	17	X	X	68 720	17	X	X	33 791
3399441Y	Inked ribbons, nsk.	N	X	X	28 243	N	X	X	N
3399441YWW	Inked ribbons, nsk.	N	X	X	28 243	N	X	X	27 340
3399443	Carbon paper, stencil paper, etc.	N	X	X	85 805	N	X	X	148 346
33994431	Carbon paper, stencil paper, etc.	N	X	X	85 805	N	X	X	N
3399443100	Carbon paper, stencil paper, etc.	28	X	X	85 805	18	X	X	148 346
339944W	Carbon paper and inked ribbons, nsk, total.	N	X	X	31 106	N	X	X	32 381
339944WY	Carbon paper and inked ribbons, nsk, total.	N	X	X	31 106	N	X	X	N
339944WYWW	Carbon paper and inked ribbons, nsk, for nonadministrative-record establishments.	N	X	X	15 952	N	X	X	13 735
339944WYWY	Carbon paper and inked ribbons, nsk, for administrative-record establishments.	N	X	X	15 154	N	X	X	18 646
339950	Signs	N	X	X	7 185 895	N	X	X	4 939 317
3399501	Electric signs.	N	X	X	2 061 111	N	X	X	1 282 884
33995011	Luminous tubing electric signs (neon, argon, hydrogen, etc).	N	X	X	458 660	N	X	X	N
3399501101	Luminous tubing electric signs (neon, argon, hydrogen, etc).	417	X	X	458 660	386	X	X	350 355
33995012	Fluorescent lamp electric signs.	N	X	X	534 031	N	X	X	N
3399501206	Fluorescent lamp electric signs.	409	X	X	534 031	430	X	X	417 810
33995013	Incandescent bulb electric signs and other electric signs.	N	X	X	979 184	N	X	X	N
3399501311	Incandescent bulb, electronic variable message display signs.	89	X	X	114 258	67	X	X	60 276
3399501316	Other incandescent bulb signs.	44	X	X	76 435	54	X	X	71 779
3399501321	All other electric signs (including combinations of luminous fluorescent and incandescent).	302	X	X	788 491	159	X	X	246 795
3399501Y	Electric signs, nsk.	N	X	X	89 236	N	X	X	N
3399501YWW	Electric signs, nsk.	N	X	X	89 236	N	X	X	135 869

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339950	Signs—Con.								
3399503	Nonelectric signs, including counter and floor displays, point-of-purchase, and other signs and displays	N	X	X	2 438 678	N	X	X	1 793 306
33995031	Nonelectric signs, including counter and floor displays, point-of-purchase, and other signs and displays	N	X	X	2 264 274	N	X	X	N
3399503101	Nonelectric screen printed metal signs and displays	199	X	X	266 024	N	X	X	N
3399503106	Other printed or unprinted nonelectric metal signs and displays	282	X	X	341 508	N	X	X	N
3399503111	Nonelectric screen printed wood signs and displays	89	X	X	108 077	N	X	X	N
3399503116	Other printed or unprinted nonelectric wood signs and displays	176	X	X	152 087	N	X	X	N
3399503121	Nonelectric screen printed other than wood or metal signs and displays	201	X	X	218 033	N	X	X	N
3399503126	Other printed or unprinted nonelectric other than wood or metal signs and displays	510	X	X	1 178 545	N	X	X	N
3399503Y	Nonelectric signs, including counter and floor displays, point-of-purchase, and other signs and displays, nsk	N	X	X	174 404	N	X	X	N
3399503YVV	Nonelectric signs, including counter and floor displays, point-of-purchase, and other signs and displays, nsk	N	X	X	174 404	N	X	X	169 047
3399505	Advertising specialties	N	X	X	1 337 104	N	X	X	782 394
33995051	Advertising specialties	N	X	X	1 228 927	N	X	X	N
3399505101	Advertising specialties—printed promotional items on purchased materials	81	X	X	364 581	N	X	X	N
3399505106	Advertising specialties—other than printed	190	X	X	864 346	N	X	X	N
3399505Y	Advertising specialties, nsk	N	X	X	108 177	N	X	X	N
3399505YVV	Advertising specialties, nsk	N	X	X	108 177	N	X	X	N
339950W	Signs, nsk, total	N	X	X	1 349 002	N	X	X	1 080 733
339950WY	Sign manufacturing, nsk, total	N	X	X	1 349 002	N	X	X	N
339950WYWW	Sign manufacturing, nsk, for nonadministrative-record establishments	N	X	X	910 424	N	X	X	825 973
339950WYWY	Sign manufacturing, nsk, for administrative-record establishments	N	X	X	438 578	N	X	X	254 760
339991	Gaskets, packing, and sealing devices	N	X	X	4 867 527	N	X	X	3 152 696
3399911	Compression packings	N	X	X	208 499	N	X	X	102 899
33999111	Compression packings	N	X	X	207 465	N	X	X	N
3399911111	Synthetic fiber, plastics composition compression packings	28	X	X	126 288	19	X	X	29 384
3399911121	All other compression packings, nec	17	X	X	81 177	N	X	X	N
3399911Y	Compression packings, nsk	N	X	X	1 034	N	X	X	N
3399911YVV	Compression packings, nsk	N	X	X	1 034	N	X	X	314
3399913	Nonmetallic gaskets and gasketing	N	X	X	1 279 526	N	X	X	888 470
33999131	Elastomeric gaskets and gasketing, all materials	N	X	X	354 494	N	X	X	N
3399913111	Elastomeric gaskets and gasketing, all materials	115	X	X	354 494	106	X	X	196 033
33999132	Graphite gaskets and gasketing	N	X	X	74 231	N	X	X	N
3399913221	Graphite gaskets and gasketing	23	X	X	74 231	N	X	X	N
33999133	Other nonmetallic gaskets and gasketing, nec	N	X	X	784 918	N	X	X	N
3399913331	Paper, felt base, and plant fiber gaskets and gasketing	53	X	X	100 170	43	X	X	76 681
3399913341	Cork and cork composition gaskets and gasketing	34	X	X	46 617	39	X	X	81 013
3399913351	Other nonmetallic gaskets and gasketing, nec	105	X	X	638 131	N	X	X	N
3399913Y	Nonmetallic gaskets and gasketing, nsk	N	X	X	65 883	N	X	X	N
3399913YVV	Nonmetallic gaskets and gasketing, nsk	N	X	X	65 883	N	X	X	13 582

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
339991	Gaskets, packing, and sealing devices—Con.								
3399915	Molded packings and seals	N	X	X	1 066 901	N	X	X	687 664
33999151	Molded O-rings (including spliced, excluding metal)	N	X	X	318 998	N	X	X	N
3399915111	Molded O-rings (including spliced, excluding metal)	58	X	X	318 998	62	X	X	207 413
33999152	All other molded packings and seals, including nonmetallic exclusion devices and nonmetallic piston rings	N	X	X	707 353	N	X	X	N
3399915221	Molded squeeze-type, solid section ring seals (including rectangular, quad, Delta, D, and Tee) (excluding O-rings)	22	X	X	68 554	12	X	X	25 076
3399915231	Molded flexible seals, dual component-cushioned rings, backed, constrained, or loaded by an elastomeric ring	20	X	X	78 483	14	X	X	29 386
3399915241	Molded flexible seals, single and multiple component lip type, both symmetrical and nonsymmetrical, V-rings, V-ring sets, U-cup	42	X	X	171 809	30	X	X	50 994
3399915251	Molded diaphragm seal-flat, rolling	26	X	X	67 329	18	X	X	21 468
3399915261	All other molded packings and seals, including nonmetallic exclusion devices and nonmetallic piston rings	76	X	X	321 178	81	X	X	328 826
3399915Y	Molded packings and seals, nsk	N	X	X	40 550	N	X	X	N
3399915YWV	Molded packings and seals, nsk	N	X	X	40 550	N	X	X	24 501
3399917	Metallic gaskets and machined seals	N	X	X	873 404	N	X	X	517 750
33999171	Metallic gaskets and machined seals	N	X	X	844 681	N	X	X	N
3399917111	Metallic spiral wound filler type gaskets and machined seals	14	X	X	45 307	19	X	X	46 858
3399917121	Other metallic gaskets and machined seals (exclusion devices, heavy cross-section API type, nonautomotive piston rings)	71	X	X	799 374	58	X	X	468 084
3399917Y	Metallic gaskets and machined seals, nsk	N	X	X	28 723	N	X	X	N
3399917YWV	Metallic gaskets and machined seals, nsk	N	X	X	28 723	N	X	X	2 808
3399918	Axial mechanical face seals	N	X	X	257 291	N	X	X	214 915
33999181	Axial mechanical face seals, except parts	N	X	X	211 573	N	X	X	N
3399918111	Complete axial mechanical seals with single coil springs	7	X	X	63 764	10	X	X	65 965
3399918121	Complete axial mechanical seals with multiple coil springs	6	X	X	30 157	9	X	X	42 221
3399918131	Complete axial mechanical seals with bellows	4	X	X	83 063	5	X	X	30 891
3399918141	Clearance, labyrinth, and other axial mechanical face seals, nec	7	X	X	34 589	7	X	X	26 682
33999182	Parts for all axial mechanical face seals	N	X	X	43 843	N	X	X	N
3399918251	Parts for all axial mechanical face seals	8	X	X	43 843	8	X	X	47 417
3399918Y	Axial mechanical face seals, nsk	N	X	X	1 875	N	X	X	N
3399918YWV	Axial mechanical face seals, nsk	N	X	X	1 875	N	X	X	1 739
3399919	Rotary oil seals	N	X	X	684 255	N	X	X	493 532
33999191	Rotary oil seals	N	X	X	673 467	N	X	X	N
3399919111	Bonded, sprung (spring-loaded) rotary oil seals	7	X	X	343 603	8	X	X	254 970
3399919121	Bonded, unsprung (nonspring-loaded) rotary oil seals	5	X	X	D	7	X	X	D
3399919131	Unitized rotary oil seals	5	X	X	D	4	X	X	D
3399919141	Nonmetallic rotary oil seals	3	X	X	34 409	10	X	X	9 471
3399919151	Other rotary oil seals (labyrinth, proximity, all metallic, inflatable, displacement, or boundary lubrication seals)	7	X	X	81 928	N	X	X	N
3399919Y	Rotary oil seals, nsk	N	X	X	10 788	N	X	X	N
3399919YWV	Rotary oil seals, nsk	N	X	X	10 788	N	X	X	364
339991W	Gaskets, packings, and sealing devices, nsk, total	N	X	X	497 651	N	X	X	247 466
339991WY	Gasket, packing, and sealing device manufacturing, nsk, total	N	X	X	497 651	N	X	X	N
339991WYWW	Gasket, packing, and sealing device manufacturing, nsk, for nonadministrative-record establishments	N	X	X	378 751	N	X	X	194 327
339991WYWY	Gasket, packing, and sealing device manufacturing, nsk, for administrative-record establishments	N	X	X	118 900	N	X	X	53 139

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
339992	Musical Instruments	N	X	X	1 278 707	N	X	X	901 584
3399921	Pianos	N	X	X	189 926	N	X	X	140 473
33999211	Pianos	N	X	X	189 926	N	X	X	N
3399921101	Vertical, upright, or console pianos	9	X	X	D	N	X	X	N
3399921106	Grand pianos	4	X	X	D	3	X	X	55 474
3399921Y	Pianos, nsk	N	X	X	D	N	X	X	N
3399921YVV	Pianos, nsk	N	X	X	D	N	X	X	872
3399923	Organs	N	X	X	89 037	N	X	X	86 992
33999231	Organs	N	X	X	86 390	N	X	X	N
3399923101	Pipe and reed organs	37	X	X	33 579	37	X	X	35 271
3399923106	Electronic organs	8	X	X	52 811	7	X	X	51 721
3399923Y	Organs, nsk	N	X	X	2 647	N	X	X	N
3399923YVV	Organs, nsk	N	X	X	2 647	N	X	X	—
3399925	Piano and organ parts	N	X	X	59 300	N	X	X	29 316
33999251	Piano and organ parts	N	X	X	58 630	N	X	X	N
3399925101	Piano parts (actions, attachments, strings, tuning pins, etc.), except benches	7	X	X	29 364	10	X	X	15 624
3399925106	Organ parts and materials, except benches	13	X	X	29 266	11	X	X	13 692
3399925Y	Piano and organ parts, nsk	N	X	X	670	N	X	X	N
3399925YVV	Piano and organ parts, nsk	N	X	X	670	N	X	X	—
3399927	Other musical instruments and parts	N	X	X	834 262	N	X	X	575 980
33999271	Electronic musical instruments	N	X	X	74 974	N	X	X	N
3399927116	Electronic musical instruments and synthesizers	24	X	X	74 974	N	X	X	N
33999272	Other musical instruments, except electronic	N	X	X	494 995	N	X	X	N
3399927201	Woodwind musical instruments	13	X	X	126 411	16	X	X	82 593
3399927206	Brass wind musical instruments	10	X	X	96 733	10	X	X	74 520
3399927211	Nonelectronic fretted or string instruments (such as harps, harpsichords, guitars, banjos, etc)	23	X	X	163 508	22	X	X	41 358
3399927221	Percussion musical instruments (cymbals, drums, vibraphones (nonelectronic), etc)	13	X	X	95 793	12	X	X	54 141
3399927226	Other nonelectronic musical instruments, including accordions, harmonicas, bagpipes, etc	13	X	X	12 550	13	X	X	15 146
33999273	Accessories and parts for other musical instruments	N	X	X	208 205	N	X	X	N
3399927331	Accessories and parts for other musical instruments, such as reed mouthpieces, strings (excluding piano strings), music stands, drummers' traps, etc.	52	X	X	208 205	56	X	X	157 285
3399927Y	Other musical instruments and parts, nsk	N	X	X	56 088	N	X	X	N
3399927YVV	Other musical instruments and parts, nsk	N	X	X	56 088	N	X	X	3 217
339992W	Musical instruments, nsk	N	X	X	106 182	N	X	X	68 823
339992WY	Musical instruments, nsk	N	X	X	106 182	N	X	X	N
339992WYWW	Musical instruments, nsk, for nonadministrative-record establishments	N	X	X	65 145	N	X	X	48 474
339992WYWY	Musical instruments, nsk, for administrative-record establishments	N	X	X	41 037	N	X	X	20 349
339993	Fasteners, buttons, needles and pins	N	X	X	814 640	N	X	X	N
3399931	Buttons and parts (except precious or semiprecious metals and precious or semiprecious stones)	N	X	X	282 403	N	X	X	N
33999311	Buttons and parts (except precious or semiprecious metals and precious or semiprecious stones)	N	X	X	194 434	N	X	X	N
3399931101	Metal buttons and parts (except precious or semiprecious metals and precious or semiprecious stones)	18	X	X	93 814	N	X	X	N
3399931106	Plastics buttons and parts (except precious or semiprecious stones)	15	X	X	62 679	N	X	X	N
3399931111	Other buttons, button blanks or molds, backs and parts for sale as such	16	X	X	37 941	N	X	X	N
3399931Y	Buttons and parts (except precious or semiprecious metals and precious or semiprecious stones), nsk	N	X	X	87 969	N	X	X	N
3399931YVV	Buttons and parts (except precious or semiprecious metals and precious or semiprecious stones), nsk	N	X	X	87 969	N	X	X	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
339993	Fasteners, buttons, needles and pins—Con.								
3399933	Zippers and slide fasteners	N	X	X	249 546	N	X	X	234 685
33999331	Zippers and slide fasteners	N	X	X	247 926	N	X	X	N
3399933101	Plastics zippers and slide fasteners	16	X	X	96 130	N	X	X	N
3399933106	Metal zippers and slide fasteners	18	X	X	151 796	N	X	X	N
3399933Y	Zippers and slide fasteners, nsk	N	X	X	1 620	N	X	X	N
3399933YWV	Zippers and slide fasteners, nsk	N	X	X	1 620	N	X	X	999
3399935	Needles, pins, fasteners (except slide), and similar notions	N	X	X	239 628	N	X	X	407 356
33999351	Needles, pins, fasteners (except slide), and similar notions	N	X	X	236 124	N	X	X	N
3399935101	Snap fasteners (all types)	6	X	X	27 600	10	X	X	90 980
3399935106	Buckles (including those covered with fabrics or other material, but excluding those used for costume jewelry and shoes)	23	X	X	92 339	34	X	X	109 163
3399935111	Other fasteners (including tape fasteners, hook and eyes, rivet and burrs, trimmings, etc., except slide)	25	X	X	80 356	27	X	X	120 577
3399935116	Hair curlers (except rubber and those designed for beauty parlor use)	—	X	X	—	3	X	X	D
3399935121	Needles (except hypodermic, phonograph, and styli)	3	X	X	D	5	X	X	15 737
3399935126	Pins (except jewelry)	10	X	X	D	N	X	X	N
3399935Y	Needles, pins, fasteners (except slide), and similar notions, nsk	N	X	X	3 504	N	X	X	N
3399935YWV	Needles, pins, fasteners (except slide), and similar notions, nsk	N	X	X	3 504	N	X	X	629
339993W	Fasteners, buttons, needles, and pins, nsk, total	N	X	X	43 063	N	X	X	N
339993WY	Fasteners, buttons, needles, and pins, nsk, total	N	X	X	43 063	N	X	X	N
339993WYWW	Fasteners, buttons, needles, and pins, nsk, for nonadministrative-record establishments	N	X	X	9 900	N	X	X	N
339993WYWY	Fasteners, buttons, needles, and pins, nsk, for administrative-record establishments	N	X	X	33 163	N	X	X	N
339994	Brooms, brushes, and mops	N	X	X	1 974 317	N	X	X	N
3399941	Brooms, mops, and dusters	N	X	X	622 479	N	X	X	N
33999411	Brooms	N	X	X	263 307	N	X	X	N
3399941101	Household floor brooms	31	X	X	109 106	35	X	X	71 626
3399941106	Other brooms (industrial brooms, whiskbrooms, toy brooms, hearth brooms, streetsweeping machine brooms, etc)	46	X	X	154 201	41	X	X	81 731
33999413	Mops and dusters	N	X	X	335 596	N	X	X	N
3399941311	Dry mops and dusters (excluding dusting cloths, including refills)	28	X	X	60 019	28	X	X	45 073
3399941316	Wet mops (except sponge mops, including refills)	40	X	X	168 791	46	X	X	106 556
3399941321	Sponge mops (including refills)	15	X	X	106 786	15	X	X	91 127
3399941Y	Brooms, mops, and dusters, nsk	N	X	X	23 576	N	X	X	N
3399941YWV	Brooms, mops, and dusters, nsk	N	X	X	23 576	N	X	X	N
3399943	Paint and varnish brushes, rollers, and pads	N	X	X	423 613	N	X	X	384 647
33999431	Whitewash, kalsomine, paperhanging, marking, and stenciling brushes	N	X	X	183 120	N	X	X	N
3399943101	Whitewash, kalsomine, paperhanging, marking, and stenciling brushes	27	X	X	183 120	N	X	X	N
33999432	Paint rollers and roller frames, both complete sets and replacement rollers, and paint pads and holders	N	X	X	217 842	N	X	X	N
3399943206	Paint pads and holders	15	X	X	39 989	13	X	X	39 795
3399943211	Paint rollers, roller frames, and replacement rollers	31	X	X	177 853	N	X	X	N
3399943Y	Paint and varnish brushes, rollers, and pads, nsk	N	X	X	22 651	N	X	X	N
3399943YWV	Paint and varnish brushes, rollers, and pads, nsk	N	X	X	22 651	N	X	X	29 773

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
339994	Brooms, brushes, and mops—Con.								
3399945	Other brushes	N	X	X	872 801	N	X	X	604 741
33999451	Personal brushes, including toothbrushes and hairbrushes	N	X	X	256 547	N	X	X	N
3399945101	Toothbrushes	15	X	X	225 477	8	X	X	207 964
3399945106	Other personal brushes (including shaving brushes and hairbrushes)	13	X	X	31 070	N	X	X	N
33999452	Other brushes, including household, industrial and artists' brushes	N	X	X	543 506	N	X	X	N
3399945211	Household maintenance brushes (floor, scrub, dusting, window, etc), including any twisted-in-wire brushes	28	X	X	105 610	25	X	X	56 419
3399945216	Industrial maintenance brushes (floor, scrub, dusting, window, etc), including any twisted-in-wire brushes	48	X	X	166 464	41	X	X	101 376
3399945221	Industrial brushes (except maintenance) (including power-driven, rotary, end, cup, jewelers' and dentists' brushes, etc)	28	X	X	98 426	33	X	X	105 145
3399945226	Other brushes, including artists' brushes and hair pencils, except artists' airbrushes	40	X	X	173 006	31	X	X	84 391
3399945Y	Other brushes, nsk	N	X	X	72 748	N	X	X	N
3399945YVV	Other brushes, nsk	N	X	X	72 748	N	X	X	4 346
339994W	Brooms, brushes, and mops, nsk, total	N	X	X	55 424	N	X	X	N
339994WY	Broom, brush, and mop manufacturing, nsk, total	N	X	X	55 424	N	X	X	N
339994WYWW	Broom, brush, and mop manufacturing, nsk, for nonadministrative-record establishments	N	X	X	10 174	N	X	X	N
339994WYWY	Broom, brush, and mop manufacturing, nsk, for administrative-record establishments	N	X	X	45 250	N	X	X	N
339995	Burial caskets	N	X	X	1 172 405	N	X	X	1 020 875
3399951	Metal burial caskets and coffins completely lined and trimmed, adult sizes only	N	X	X	744 130	N	X	X	675 694
33999511	Steel burial caskets and coffins (excluding stainless steel)	N	X	X	568 744	N	X	X	N
3399951101	Steel burial caskets and coffins (excluding stainless steel) .. thousands..	40	X	1 220.5	568 744	63	X	978.6	473 216
33999512	Other metal burial caskets and coffins (stainless steel, bronze, copper, etc)	N	X	X	175 386	N	X	X	N
3399951206	Other metal burial caskets and coffins (stainless steel, bronze, copper, etc) .. thousands..	21	X	170.2	175 386	35	X	P205.5	178 679
3399951Y	Metal caskets and coffins completely lined and trimmed, adult sizes only, nsk	N	X	X	—	N	X	X	N
3399951YVV	Metal caskets and coffins completely lined and trimmed, adult sizes only, nsk	N	X	X	—	N	X	X	23 799
3399953	Wood burial caskets and coffins, completely lined and trimmed, adult sizes only	N	X	X	317 604	N	X	X	222 871
33999531	Wood burial caskets and coffins, completely lined and trimmed, adult sizes only	N	X	X	317 604	N	X	X	N
3399953101	Cloth covered wood (pressboard, corrugated fiberboard, and softwood) burial caskets and coffins, completely lined and trimmed, adult sizes only .. thousands..	16	X	128.6	15 485	28	X	P105.2	15 976
3399953106	Hardwood (including pine) burial caskets and coffins, completely lined and trimmed, adult sizes only .. thousands..	28	X	287.0	302 119	44	X	P273.0	201 707
3399953Y	Wood burial caskets and coffins, completely lined and trimmed, adult sizes only, nsk	N	X	X	—	N	X	X	N
3399953YVV	Wood burial caskets and coffins, completely lined and trimmed, adult sizes only, nsk	N	X	X	—	N	X	X	5 188
3399955	Other burial caskets and coffins and metal vaults	N	X	X	65 817	N	X	X	94 022
33999551	Other burial caskets and coffins and metal vaults	N	X	X	65 817	N	X	X	N
3399955100	Other burial caskets and coffins and metal vaults .. thousands..	26	X	229.8	65 817	N	X	N	N

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				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
339995	Burial caskets—Con.								
339995W	Burial caskets, nsk, total	N	X	X	44 854	N	X	X	28 288
339995WY	Burial casket manufacturing, nsk, total	N	X	X	44 854	N	X	X	N
339995WYWW	Burial casket manufacturing, nsk, for nonadministrative-record establishments	N	X	X	8 150	N	X	X	7 897
339995WYWY	Burial casket manufacturing, nsk, for administrative-record establishments	N	X	X	36 704	N	X	X	20 391
339999	All other miscellaneous fabrications	N	X	X	7 270 148	N	X	X	N
3399991	Chemical fire-extinguishing equipment and parts	N	X	X	543 864	N	X	X	462 142
33999911	Chemical fire-extinguishing equipment and parts	N	X	X	533 471	N	X	X	N
3399991101	Hand portable carbon dioxide fire extinguishers	7	X	X	29 609	8	X	X	13 240
3399991106	Hand portable dry chemical fire extinguishers	7	X	X	200 143	9	X	X	148 370
3399991111	Other hand portable fire extinguishers (including foam, pressurized water, and halogenated agents)	11	X	X	67 684	8	X	X	91 558
3399991116	Fixed fire-extinguishing systems, including inert gas, dry and wet chemical, and other chemical fire-extinguishing equipment	10	X	X	137 733	12	X	X	85 608
3399991121	Parts and attachments for chemical fire-extinguishing equipment	8	X	X	98 302	7	X	X	21 913
3399991Y	Chemical fire-extinguishing equipment and parts, nsk	N	X	X	10 393	N	X	X	N
3399991YWV	Chemical fire-extinguishing equipment and parts, nsk	N	X	X	10 393	N	X	X	101 453
3399993	Coin-operated amusement machines	N	X	X	866 254	N	X	X	578 217
33999931	Coin-operated amusement machines	N	X	X	863 216	N	X	X	N
3399993101	Coin-operated arcade and amusement center type electronic games	26	X	X	395 360	31	X	X	339 573
3399993106	Other coin-operated amusement machines, including nonelectronic arcade games and parts for all arcade games	15	X	X	467 856	21	X	X	235 952
3399993Y	Coin-operated amusement machines, nsk	N	X	X	3 038	N	X	X	N
3399993YWV	Coin-operated amusement machines, nsk	N	X	X	3 038	N	X	X	2 692
3399995	Candles (including tapers)	N	X	X	907 663	N	X	X	366 182
33999951	Candles (including tapers)	N	X	X	907 663	N	X	X	N
3399995100	Candles (including tapers)	111	X	X	907 663	63	X	X	366 182
3399997	Umbrellas and parasols (including parts)	N	X	X	74 927	N	X	X	56 352
33999971	Umbrellas and parasols (including parts)	N	X	X	74 927	N	X	X	N
3399997100	Umbrellas and parasols (including parts)	20	X	X	74 927	20	X	X	56 352
3399999	Feathers, plumes, and artificial flowers	N	X	X	250 304	N	X	X	254 456
33999991	Feathers, plumes, and artificial flowers	N	X	X	220 764	N	X	X	N
3399999101	Artificial trees, all types (metal, plastics, etc), including Christmas	18	X	X	120 173	11	X	X	101 958
3399999106	Artificial flowers, fruits, and wreaths	23	X	X	86 540	N	X	X	N
3399999111	Feathers and plumes	5	X	X	14 051	9	X	X	40 712
3399999Y	Feathers, plumes, and artificial flowers, nsk	N	X	X	29 540	N	X	X	N
3399999YWV	Feathers, plumes, and artificial flowers, nsk	N	X	X	29 540	N	X	X	55 367
339999C	Mirror and picture frames	N	X	X	1 068 902	N	X	X	N
339999C1	Wood frames for mirrors and pictures	N	X	X	466 723	N	X	X	N
339999C101	Wood frames for mirrors and pictures	135	X	X	466 723	122	X	X	287 489
339999C2	Wood-framed pictures	N	X	X	261 730	N	X	X	N
339999C206	Wood-framed pictures	67	X	X	261 730	60	X	X	171 926
339999C3	Metal frames for mirrors and pictures, and framed pictures other than wood (metal, plastics, fiber)	N	X	X	204 914	N	X	X	N
339999C311	Metal frames for mirrors and pictures	29	X	X	68 603	29	X	X	105 597
339999C316	Framed pictures other than wood (metal, plastics, fiber)	24	X	X	136 311	28	X	X	59 084
339999CY	Mirror and picture frames, nsk	N	X	X	135 535	N	X	X	N
339999CYWV	Mirror and picture frames, nsk	N	X	X	135 535	N	X	X	N

Table 1. Products Statistics: 1997 and 1992—Con.

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS product code	Product	1997				1992			
		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
339999	All other miscellaneous fabrications—Con.								
339999H	Miscellaneous fabricated products, nec.....	N	X	X	2 278 958	N	X	X	N
339999H1	Miscellaneous fabricated products, nec.....	N	X	X	2 108 040	N	X	X	N
339999H101	Hair clippers, for human use, hand and electric.....	6	X	X	D	5	X	X	117 047
339999H106	Barber and beauty shop furniture and equipment, except barber and beauty chairs.....	18	X	X	D	N	X	X	N
339999H111	Christmas tree ornaments and decorations (except glass and electrical).....	31	X	X	83 937	37	X	X	131 734
339999H121	Potpourri (dried and chemically preserved flowers, foliage, fruits, and vines).....	33	X	X	118 019	38	X	X	101 288
339999H151	Miscellaneous fabricated products, made primarily of other material, including products made from a combination of materials.....	393	X	X	1 662 002	N	X	X	N
339999HY	Miscellaneous fabricated products, nec, nsk.....	N	X	X	170 918	N	X	X	N
339999HYWV	Miscellaneous fabricated products, nec, nsk.....	N	X	X	170 918	N	X	X	N
339999W	Miscellaneous products, nsk.....	N	X	X	1 279 276	N	X	X	N
339999WY	All other miscellaneous manufacturing, nsk, total.....	N	X	X	1 279 276	N	X	X	N
339999WYWV	All other miscellaneous manufacturing, nsk, for nonadministrative-record establishments.....	N	X	X	1 035 558	N	X	X	N
339999WYWY	All other miscellaneous manufacturing, nsk, for administrative-record establishments.....	N	X	X	243 718	N	X	X	N

Additional information is available for this item; see Appendix F.

@ Additional data are available for these codes at the aggregate U.S. level in the Current Industrial Report (CIR) series; see Appendix F for the CIR survey number and title.

\$ This product is primary to more than one industry; see Table 3 for the related product codes.

Table 2. Product Class Shipments for Selected States: 1997 and 1992

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2 of the Industry Series reports. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 1997. For meaning of abbreviations and symbols, see introductory text. For explanations of terms, see appendixes]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)		NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)	
		1997	1992			1997	1992
3111111	DOG FOOD			3111191	CHICKEN AND TURKEY FEED, SUPPLEMENTS, CONCENTRATES, AND PREMIXES		
	United States	5 213 728	3 899 787		United States	8 088 049	4 890 288
	Alabama	132 136	136 677		Alabama	699 558	556 587
	Arkansas	3 219	N		Arkansas	1 109 272	778 971
	California	449 265	246 577		California	478 721	390 733
	Indiana	210 959	38 576		Delaware	309 432	160 973
	Kansas	335 356	471 974		Florida	85 921	60 868
	Missouri	268 087	191 633		Georgia	841 019	541 648
	Nebraska	242 461	199 773		Illinois	82 855	12 880
	New York	388 786	428 823		Indiana	109 000	69 060
	Ohio	535 278	358 148		Iowa	117 657	66 953
	Pennsylvania	268 655	244 709		Kentucky	22 892	6 768
	Tennessee	31 835	48 075		Michigan	34 244	22 415
	Texas	147 844	89 271		Minnesota	119 968	62 588
	Wisconsin	42 194	94 107		Mississippi	240 263	77 833
3111114	CAT FOOD				Missouri	560 775	107 946
	United States	2 754 568	2 271 062		Nebraska	22 384	8 686
	Alabama	16 962	5 909		New York	10 680	11 451
	California	367 943	271 325		North Carolina	775 712	525 857
	Kansas	59 764	84 377		Ohio	61 344	48 284
	Missouri	253 694	339 197		Pennsylvania	126 492	185 706
	Ohio	206 538	161 465		Texas	869 010	298 348
	Pennsylvania	223 108	191 848		Vermont	5 959	N
					Virginia	428 223	153 097
					Washington	16 185	22 986
					Wisconsin	22 154	11 087

Table 2. **Product Class Shipments for Selected States: 1997 and 1992—Con.**

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2 of the Industry Series reports. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 1997. For meaning of abbreviations and symbols, see introductory text. For explanations of terms, see appendixes]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)		NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)	
		1997	1992			1997	1992
3111194	DAIRY CATTLE FEED, COMPLETE			311119D	SWINE FEED SUPPLEMENTS, CONCENTRATES, AND PREMIXES—Con.		
	United States	1 598 556	1 454 714				
	Alabama	18 377	18 345		North Carolina	45 889	44 912
	Arkansas	6 316	13 594		Ohio	32 810	35 194
	California	430 232	328 661		Oklahoma	15 279	N
	Florida	87 987	70 008		South Dakota	9 205	35 832
	Georgia	46 150	55 827		Wisconsin	19 007	19 972
	Illinois	42 319	58 748				
	Indiana	50 004	14 022	311119G	BEEF CATTLE FEED, COMPLETE		
	Iowa	2 684	7 568		United States	611 301	524 219
	Kansas	31 950	12 119		Alabama	5 431	5 062
	Kentucky	26 864	35 759		Arkansas	14 633	15 780
	Massachusetts	23 678	N		California	17 928	11 040
	Michigan	8 876	7 323		Florida	37 016	19 615
	Minnesota	25 199	19 880		Georgia	10 181	8 379
	Missouri	36 978	56 762		Indiana	4 244	5 820
	Nebraska	5 276	5 999		Iowa	27 737	11 438
	New York	92 820	115 333		Kansas	121 446	101 956
	North Carolina	38 115	32 799		Kentucky	6 390	7 833
	Ohio	42 604	33 808		Louisiana	7 069	6 664
	Oklahoma	12 539	11 498		Minnesota	3 058	11 926
	Pennsylvania	77 832	59 332		Missouri	27 504	23 680
	Tennessee	14 161	N		Montana	3 923	3 645
	Texas	149 431	121 817		Nebraska	22 238	19 294
	Virginia	39 072	24 640		North Carolina	5 595	2 470
	Washington	43 311	72 478		Ohio	5 277	4 761
	Wisconsin	52 359	48 383		Oklahoma	64 805	45 689
3111197	DAIRY CATTLE FEED SUPPLEMENTS, CONCENTRATES, AND PREMIXES				Pennsylvania	2 509	N
	United States	905 155	678 471		South Dakota	10 298	3 821
	California	102 013	77 772		Tennessee	7 884	N
	Colorado	7 135	3 443		Texas	133 997	104 842
	Florida	8 888	7 150		Wisconsin	2 754	2 233
	Georgia	12 563	10 233	311119J	BEEF CATTLE FEED SUPPLEMENTS, CONCENTRATES, AND PREMIXES		
	Idaho	14 735	N		United States	616 961	622 981
	Illinois	25 289	42 700		California	6 660	7 853
	Indiana	35 139	32 572		Colorado	9 766	22 598
	Iowa	47 735	51 021		Georgia	13 796	8 323
	Kansas	6 205	11 044		Idaho	2 077	N
	Kentucky	11 816	12 618		Illinois	17 902	42 164
	Michigan	25 868	23 908		Indiana	16 297	16 114
	Minnesota	60 112	79 823		Iowa	69 985	70 149
	Missouri	10 397	16 728		Kansas	112 345	80 735
	Nebraska	12 252	13 808		Kentucky	6 488	6 207
	New York	55 292	31 238		Michigan	2 781	2 437
	North Carolina	10 945	9 867		Minnesota	10 793	21 371
	Ohio	37 219	31 897		Missouri	15 584	21 042
	Oregon	8 331	N		Nebraska	70 594	68 348
	Pennsylvania	49 407	53 405		North Carolina	3 661	16 385
	South Dakota	2 412	4 332		Ohio	7 875	11 773
	Texas	64 770	29 178		Pennsylvania	4 112	4 330
	Utah	2 478	3 041		South Dakota	16 079	25 407
	Virginia	7 283	9 784		Texas	128 649	92 776
	Washington	35 778	8 567		Washington	4 248	N
	Wisconsin	175 672	79 716		Wisconsin	12 155	14 724
311119A	SWINE FEED, COMPLETE			311119M	OTHER POULTRY AND LIVESTOCK FEED, NEC		
	United States	581 813	541 915		United States	674 341	511 879
	California	7 185	9 967		Alabama	6 785	6 839
	Georgia	12 942	21 162		California	31 703	26 543
	Illinois	67 041	53 064		Colorado	5 705	9 578
	Indiana	39 035	36 088		Florida	27 838	23 310
	Iowa	106 049	77 303		Georgia	78 523	14 812
	Kansas	15 925	6 789		Illinois	37 622	81 572
	Kentucky	6 607	7 265		Indiana	26 169	23 977
	Minnesota	28 394	13 444		Iowa	57 650	22 162
	Missouri	29 913	26 826		Kansas	23 932	6 500
	Nebraska	50 126	33 165		Kentucky	7 675	4 816
	North Carolina	71 285	52 902		Michigan	6 825	3 830
	Ohio	14 176	13 966		Minnesota	6 878	5 071
	Oklahoma	9 298	19 043		Mississippi	2 508	4 244
	Pennsylvania	12 909	22 257		Missouri	11 854	7 712
	South Dakota	2 563	5 689		Nebraska	2 768	12 792
	Texas	8 591	13 115		New York	26 863	22 444
	Wisconsin	5 110	20 953		North Carolina	25 638	12 109
311119D	SWINE FEED SUPPLEMENTS, CONCENTRATES, AND PREMIXES				Ohio	28 598	17 864
	United States	981 825	1 181 400		Oklahoma	12 438	16 647
	Georgia	14 007	22 293		Pennsylvania	53 314	18 325
	Illinois	105 484	177 613		Tennessee	8 822	9 979
	Indiana	87 047	81 753		Texas	84 727	53 648
	Iowa	381 385	411 673		Virginia	6 557	7 378
	Kansas	31 174	24 001		Washington	8 965	3 472
	Kentucky	15 843	15 815		Wisconsin	14 787	48 098
	Michigan	8 314	15 277				
	Minnesota	48 966	71 038				
	Missouri	20 094	57 031				
	Nebraska	100 391	114 093				

Table 2. **Product Class Shipments for Selected States: 1997 and 1992—Con.**

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NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)		NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)	
		1997	1992			1997	1992
311119P	OTHER PREPARED ANIMAL FEED, INCLUDING FEEDING MATERIALS AND ADJUNCTS, NEC			3112114	WHEAT MILL PRODUCTS OTHER THAN FLOUR—Con.		
	United States	651 735	N		Ohio	33 113	23 205
	Arkansas	2 494	N		Oregon	10 121	8 943
	California	120 639	N		Pennsylvania	6 245	N
	Colorado	4 161	N		Tennessee	13 429	22 240
	Florida	33 380	N		Texas	29 553	22 253
	Georgia	22 992	N		Utah	21 511	14 206
	Idaho	13 822	N		Virginia	12 498	N
	Illinois	27 959	N	3112117	CORN MILL PRODUCTS		
	Indiana	10 984	N		United States	903 232	775 680
	Iowa	84 239	N		Illinois	249 753	190 083
	Kansas	14 724	N		Indiana	96 854	49 443
	Kentucky	2 784	N		Kansas	87 904	N
	Minnesota	10 217	N		Kentucky	16 348	N
	Missouri	13 723	N		New York	10 674	4 031
	Nebraska	25 872	N		North Carolina	17 163	20 472
	New York	10 645	N		Pennsylvania	3 265	N
	North Carolina	5 080	N	311211A	FLOUR MIXES, AND REFRIGERATED AND FROZEN DOUGHS AND BATTERS MADE IN FLOUR MILLS		
	Ohio	16 190	N		United States	517 430	345 920
	Oklahoma	6 751	N		California	27 862	N
	Oregon	33 136	N		Texas	27 034	39 432
	Pennsylvania	6 566	N				
	South Dakota	3 788	N	311211D	OTHER GRAIN MILL PRODUCTS, NEC		
	Tennessee	2 625	N		United States	196 996	N
	Texas	34 741	N		Kansas	14 996	N
	Utah	4 250	N		Minnesota	59 612	N
	Washington	21 035	N				
	Wisconsin	88 291	N		CORN SWEETENERS		
311119T	SPECIALTY FEED				United States	3 056 213	2 910 968
	United States	872 870	747 433		Illinois	774 197	757 029
	Arkansas	21 258	17 410	3112211	Iowa	877 008	936 372
	California	67 982	47 995		MANUFACTURED STARCH		
	Colorado	32 648	18 021		United States	1 526 122	1 318 108
	Florida	6 691	4 023		Indiana	484 293	410 419
	Georgia	37 882	5 307		Iowa	443 185	373 296
	Illinois	22 677	15 612		Kansas	43 000	N
	Indiana	32 582	N		Minnesota	26 579	N
	Iowa	14 874	5 083	3112217	CORN OIL		
	Kansas	27 081	10 375		United States	980 394	801 579
	Kentucky	2 406	2 489		California	21 630	N
	Massachusetts	7 464	N		Illinois	463 709	583 937
	Michigan	3 454	6 473		Iowa	336 604	85 964
	Minnesota	50 864	36 259	311221A	WET PROCESS CORN BYPRODUCTS		
	Mississippi	105 946	70 585		United States	1 585 020	1 363 452
	Nebraska	24 876	16 601		Illinois	418 575	380 766
	New York	31 968	20 268		Indiana	145 037	114 752
	North Carolina	15 759	5 713		Iowa	561 217	527 711
	Ohio	29 767	26 899	3112221	SOYBEAN OIL		
	Pennsylvania	33 249	32 608		United States	3 161 878	2 454 587
	Tennessee	2 892	3 008		Illinois	661 766	413 807
	Texas	26 166	64 292		Indiana	123 576	N
	Utah	25 630	N		Iowa	737 892	515 803
	Washington	6 786	11 276		Kansas	143 346	139 261
	Wisconsin	73 291	N	3112224	SOYBEAN CAKE, MEAL, AND OTHER BYPRODUCTS		
3112111	WHEAT FLOUR, EXCEPT FLOUR MIXES				United States	8 824 896	N
	United States	5 146 612	4 192 416		California	7 516	N
	California	426 121	301 570		Illinois	1 495 751	N
	Florida	109 754	93 867		Indiana	636 093	N
	Georgia	89 867	54 201		Iowa	1 574 680	N
	Illinois	375 267	229 021		Kansas	344 505	N
	Iowa	72 320	N		Minnesota	575 782	N
	Kansas	387 225	330 743		Missouri	473 312	N
	Michigan	79 937	55 705		Ohio	659 173	N
	Minnesota	417 386	347 110	3112231	COTTONSEED OIL, CRUDE		
	Missouri	555 366	381 495		United States	100 668	102 101
	Nebraska	123 213	70 112				
	New York	392 101	508 476	3112234	COTTONSEED OIL, ONCE-REFINED (AFTER ALKALI OR CAUSTIC WASH BUT BEFORE DEODORIZING OR USE IN END PRODUCTS)		
	North Carolina	153 096	120 762		United States	165 630	183 889
	Ohio	289 432	207 798		Texas	39 887	73 828
	Oklahoma	108 773	N				
	Oregon	76 648	53 066				
	Pennsylvania	184 453	N				
	Tennessee	172 614	218 055				
	Texas	170 422	150 328				
	Utah	120 841	87 865				
	Virginia	96 576	N				
3112114	WHEAT MILL PRODUCTS OTHER THAN FLOUR			3112234	COTTONSEED OIL, ONCE-REFINED (AFTER ALKALI OR CAUSTIC WASH BUT BEFORE DEODORIZING OR USE IN END PRODUCTS)		
	United States	784 114	494 367		United States	165 630	183 889
	California	64 817	38 428		Texas	39 887	73 828
	Illinois	83 229	24 340				
	Kansas	59 097	44 950				
	Kentucky	12 636	N				
	Michigan	102 788	21 387				
	Minnesota	56 181	39 803				
	Nebraska	49 812	44 493				
	New York	79 854	44 493				
	North Carolina	12 405	14 165				

Table 2. **Product Class Shipments for Selected States: 1997 and 1992—Con.**

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NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)		NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)	
		1997	1992			1997	1992
3112237	COTTON LINTERS United States Mississippi Texas	82 913 14 491 24 924	54 749 N 20 710	3113301	CHOCOLATE AND CHOCOLATE-TYPE CONFECTIONERY PRODUCTS MADE FROM PURCHASED CHOCOLATE AND PACKAGED FOR SHIPMENT (NOT RETAILED AT MANUFACTURING ESTABLISHMENT) United States California Florida Hawaii Illinois Maryland Massachusetts Michigan Minnesota Missouri New York	6 653 316 336 567 2 494 69 889 1 361 770 6 054 131 881 27 843 32 292 64 457 112 011	5 167 290 253 772 N 73 808 1 342 938 2 470 81 471 N 32 304 12 800 75 738
311223A	COTTONSEED CAKE AND MEAL AND OTHER BYPRODUCTS United States California Mississippi Texas	380 893 38 415 59 246 144 753	N N N N				
311223D	LINSEED OIL United States	110 134	79 500				
311223G	VEGETABLE OILS, NEC United States California	595 875 28 504	465 191 64 587				
311223J	OTHER VEGETABLE OIL MILL PRODUCTS, NEC United States California	D 7 002	N N	3113302	CHOCOLATE AND CHOCOLATE-TYPE CONFECTIONERY PRODUCTS MADE FROM PURCHASED CHOCOLATE AND RETAILED AT SAME LOCATION United States California Colorado Florida Illinois Indiana Maine Massachusetts Michigan Missouri New Hampshire	149 559 19 400 2 535 3 619 3 240 5 695 3 405 9 985 13 932 4 172 2 782	N N N N N N N N N N N
3112251	SHORTENING AND COOKING OILS (EDIBLE) United States California Georgia Illinois Iowa Kentucky Missouri North Carolina Ohio Pennsylvania Tennessee Texas Washington	6 166 828 345 294 455 510 1 239 212 346 881 181 035 359 221 367 298 835 242 3 909 399 292 261 467 5 210	N N N N N N N N N N N N N				
3112254	MARGARINE, INCLUDING BUTTER BLENDS United States Illinois Texas	1 360 132 145 573 204 545	1 415 212 N 188 509	3113401	NONCHOCOLATE-TYPE CONFECTIONERY PRODUCTS MADE AND PACKAGED FOR SHIPMENT (NOT RETAILED AT MANUFACTURING ESTABLISHMENT) United States California Colorado Georgia Hawaii Illinois Kansas Massachusetts Minnesota New Jersey New York	4 243 445 285 400 5 024 82 444 12 420 930 192 10 938 55 956 141 499 45 505 162 634	3 370 138 229 321 N 114 546 N 925 502 N 54 001 109 440 43 220 138 817
3112301	READY-TO-SERVE CEREAL BREAKFAST FOODS, EXCEPT INFANT CEREALS United States Illinois Missouri	6 729 803 738 423 240 807	7 207 814 805 258 N				
3112304	OTHER CEREAL BREAKFAST FOODS, NEC United States California	690 561 28 226	N N				
3113201	CHOCOLATE COATINGS United States Ohio Wisconsin	639 816 4 309 224 275	589 480 N 67 028	3113402	NONCHOCOLATE-TYPE CONFECTIONERY PRODUCTS MADE AND RETAILED AT SAME LOCATION United States California Louisiana	28 201 2 677 2 024	N N N
3113204	CHOCOLATE AND CHOCOLATE-TYPE CONFECTIONERY PRODUCTS MADE FROM CACAO BEANS GROUND IN THE SAME ESTABLISHMENT United States	1 916 439	1 495 645	3113404	CHEWING GUM, BUBBLE GUM, AND CHEWING GUM BASE United States	1 310 938	1 106 288
3113207	OTHER CHOCOLATE AND COCOA PRODUCTS, NEC United States California Illinois Massachusetts New Jersey Pennsylvania Washington Wisconsin	1 022 816 142 065 38 219 15 494 41 027 336 847 5 632 245 525	943 153 107 948 36 972 N 72 909 202 219 N 146 313	3113407	OTHER CONFECTIONERY-TYPE PRODUCTS, NEC, MADE AND PACKAGED FOR SHIPMENT (NOT RETAILED AT MANUFACTURING ESTABLISHMENT) United States	159 863	N

Table 2. **Product Class Shipments for Selected States: 1997 and 1992—Con.**

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NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)		NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)	
		1997	1992			1997	1992
3114111	FROZEN FRUITS, JUICES, ADES, DRINKS, AND COCKTAILS			311421D	CATSUP AND OTHER CANNED TOMATO SAUCES, PASTES, ETC.		
	United States	2 822 600	2 864 043		United States	4 107 843	3 671 644
	California	611 938	627 237		California	1 742 048	1 575 450
	Florida	1 523 425	1 469 187		Indiana	248 006	118 481
	Maine	32 856	43 358		Missouri	40 447	N
	Michigan	86 476	34 366		New Jersey	201 014	123 758
	New York	43 604	53 728		New York	112 673	391 536
	Oregon	166 833	153 390		Ohio	702 462	635 562
	Washington	100 899	175 308		Pennsylvania	109 302	103 579
					Texas	279 737	113 520
					Wisconsin	27 810	48 219
3114114	FROZEN VEGETABLES			311421G	CANNED JAMS, JELLIES, AND PRESERVES		
	United States	6 314 734	4 411 227		United States	1 007 148	922 315
	California	417 525	390 649		California	184 445	205 053
	Delaware	22 594	N		Illinois	17 367	12 145
	Idaho	940 420	833 780		Indiana	4 701	N
	Michigan	56 433	N		Kentucky	25 632	20 290
	Minnesota	207 277	202 386		Michigan	70 879	N
	New York	220 035	210 862		New York	148 922	131 633
	Ohio	9 660	N		Ohio	224 735	N
	Oregon	1 139 677	732 452		Oregon	19 720	N
	Texas	125 114	74 671		Pennsylvania	108 886	52 645
	Washington	1 219 075	880 278				
	Wisconsin	613 074	383 960				
3114121	FROZEN DINNERS (BEEF, PORK, AND POULTRY PIES, AND NATIONALITY FOODS)			311421J	CANNED FRUIT JUICES, NECTARS, AND CONCENTRATES		
	United States	6 963 429	5 334 582		United States	2 915 653	3 319 661
	Arkansas	566 666	420 061		California	296 526	265 857
	California	506 944	748 796		Florida	1 414 387	1 543 602
	Illinois	236 850	93 809		Michigan	57 689	223 764
	Kentucky	210 954	N		New Jersey	142 994	191 333
	Massachusetts	17 311	8 549		New York	240 381	206 905
	Michigan	76 745	N		Ohio	25 801	22 506
	Minnesota	125 805	107 509		Pennsylvania	161 351	200 387
	New Jersey	188 946	138 542		Texas	88 224	125 176
	New York	162 343	163 344		Virginia	36 061	N
	Ohio	1 291 732	698 131		Washington	244 710	77 091
	Pennsylvania	128 268	172 259		Wisconsin	26 526	24 794
	Texas	158 969	231 794	311421M	FRESH FRUIT JUICES AND NECTARS, SINGLE STRENGTH		
	Wisconsin	776 104	374 694		United States	1 416 120	1 227 963
3114124	OTHER FROZEN SPECIALTIES, NEC				Alabama	23 742	16 332
	United States	2 125 910	1 662 617		California	231 038	190 353
	California	344 563	194 731		Colorado	6 060	7 253
	Illinois	87 728	91 665		Connecticut	10 797	16 524
	Iowa	42 599	22 744		Florida	432 847	193 130
	Kentucky	71 027	N		Hawaii	14 892	N
	New Jersey	55 054	N		Indiana	13 419	N
	New York	395 982	N		Iowa	8 587	N
	Ohio	154 271	N		Kentucky	16 869	24 624
	Tennessee	224 198	N		Louisiana	10 659	8 798
	Virginia	33 952	N		Massachusetts	53 099	34 270
3114211	CANNED FRUITS, EXCEPT BABY FOODS				Michigan	32 211	85 309
	United States	2 281 045	2 371 854		New Jersey	28 851	14 326
	California	1 285 145	1 227 513		New York	221 483	169 665
	Illinois	30 604	N		North Carolina	10 794	14 081
	Michigan	149 779	166 088		Ohio	25 192	26 603
	New York	179 930	155 697		Pennsylvania	31 317	57 524
	Washington	173 230	222 538		Tennessee	25 712	31 437
					Texas	28 271	45 350
					Virginia	8 648	9 190
					Washington	57 888	120 869
3114214	CANNED VEGETABLES, EXCEPT HOMINY AND MUSHROOMS			311421P	PICKLES AND OTHER PICKLED PRODUCTS		
	United States	2 690 609	2 694 390		United States	1 232 949	1 206 939
	California	588 229	474 255		California	65 755	179 641
	Illinois	98 584	161 904		Michigan	316 578	290 716
	Indiana	73 230	49 271		New York	29 041	35 538
	Michigan	42 978	52 028		Ohio	9 845	N
	Minnesota	274 993	355 693		Texas	32 240	7 868
	North Carolina	32 951	26 483		Wisconsin	72 572	N
	Ohio	65 238	41 572	3114221	CANNED BABY FOODS, EXCEPT CEREAL AND BISCUITS		
	Oregon	132 164	71 244		United States	929 732	D
	Texas	36 238	N				
	Washington	121 882	114 341				
	Wisconsin	670 515	664 416				
3114217	CANNED HOMINY AND MUSHROOMS			3114224	CANNED SOUPS AND STEWS (EXCEPT FROZEN OR SEAFOOD)		
	United States	141 646	202 040		United States	2 684 750	1 986 232
	California	15 340	14 546				
	Pennsylvania	85 173	125 079	3114227	CANNED DRY BEANS		
311421A	CANNED VEGETABLE JUICES				United States	1 052 447	1 119 473
	United States	438 970	409 389		Indiana	45 343	75 334
	California	123 329	100 719		Ohio	32 062	N
	Indiana	29 050	20 706		Texas	72 738	186 063

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NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)		NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)	
		1997	1992			1997	1992
311422A	OTHER CANNED SPECIALTIES AND CANNED NATIONALITY FOODS, NEC			3115114	PACKAGED FLUID MILK AND RELATED PRODUCTS, INCLUDING CARTONS, BOTTLES, CANS, AND DISPENSER CANS—Con.		
	United States	1 463 244	N		Utah	131 967	N
	California	138 122	N		Virginia	295 448	252 836
	Illinois	70 423	N		Washington	207 904	236 001
	New Jersey	21 121	N		Wisconsin	302 469	382 325
	Wisconsin	8 682	N				
3114231	SOUP MIXES, INCLUDING ORIENTAL, DRIED AND DEHYDRATED, AND FREEZE-DRIED			3115117	COTTAGE CHEESE (INCLUDING BAKERS', POT, AND FARMERS' CHEESE)		
	United States	718 921	N		United States	720 202	769 563
	California	341 559	N		California	89 487	103 375
	Illinois	143 283	N		Colorado	16 334	22 816
3114234	DRIED AND DEHYDRATED FRUITS AND VEGETABLES (INCLUDING FREEZE-DRIED)				Illinois	59 077	29 469
	United States	2 420 005	N		Indiana	14 362	19 137
	California	1 327 369	N		Iowa	18 175	N
	Idaho	386 577	N		Michigan	10 472	N
	Oregon	44 419	N		Missouri	14 749	N
	Washington	139 093	N		New York	181 297	162 134
3115111	BULK FLUID MILK AND CREAM				Ohio	36 699	40 835
	United States	3 115 437	3 035 466		Oklahoma	8 483	16 372
	Arkansas	9 270	7 619		Oregon	14 982	7 580
	California	865 205	617 942	311511A	YOGURT, EXCEPT FROZEN	25 485	40 129
	Colorado	12 505	4 936		United States	1 334 927	998 162
	Connecticut	11 370	5 704		California	206 532	176 704
	Florida	18 097	15 737		Hawaii	2 403	N
	Illinois	50 253	57 466		Illinois	11 709	N
	Indiana	36 125	30 288		New York	115 912	82 595
	Iowa	156 703	141 565		Oregon	24 301	N
	Kansas	11 512	N				
	Kentucky	44 611	41 577	311511D	PERISHABLE DAIRY PRODUCT SUBSTITUTES		
	Louisiana	59 475	13 163		United States	477 766	238 410
	Maryland	51 281	24 343		California	142 892	N
	Michigan	65 395	70 021		Florida	6 630	3 466
	Minnesota	277 806	167 017		Illinois	53 174	29 347
	Missouri	26 684	120 198		Michigan	7 777	3 122
	New Jersey	61 049	195 245		Ohio	9 409	11 298
	New Mexico	19 278	N		Oregon	2 505	N
	New York	67 939	183 060				
	North Carolina	15 829	15 550	311511G	OTHER PACKAGED MILK PRODUCTS, NEC		
	Ohio	87 708	118 900		United States	1 054 079	886 559
	Oregon	92 542	73 842		Alabama	40 296	25 088
	Pennsylvania	220 252	216 794		California	74 773	63 127
	South Dakota	31 361	28 302		Colorado	12 593	12 796
	Tennessee	35 063	22 281		Connecticut	9 259	5 880
	Texas	108 124	147 590		Florida	75 798	64 003
	Utah	23 081	10 607		Illinois	26 408	28 800
	Virginia	58 066	20 388		Indiana	18 950	13 731
	Washington	49 351	N		Iowa	56 696	22 317
	Wisconsin	412 165	392 161		Kentucky	34 061	45 638
3115114	PACKAGED FLUID MILK AND RELATED PRODUCTS, INCLUDING CARTONS, BOTTLES, CANS, AND DISPENSER CANS				Louisiana	23 417	11 915
	United States	12 468 038	11 732 668		Maryland	18 159	15 360
	Alabama	191 432	200 513		Michigan	34 257	34 722
	Arizona	275 304	214 740		Minnesota	25 450	26 263
	California	1 474 642	1 346 987		Missouri	24 589	13 064
	Colorado	187 335	157 880		New Jersey	6 274	11 199
	Connecticut	104 516	100 059		New York	51 471	36 115
	Florida	496 018	542 304		North Carolina	32 239	34 882
	Georgia	112 443	492 320		Ohio	68 601	45 818
	Hawaii	61 217	52 286		Oklahoma	13 209	16 459
	Illinois	565 537	493 603		Oregon	10 804	8 724
	Indiana	287 244	247 797		Pennsylvania	41 152	41 181
	Iowa	300 324	171 750		Tennessee	61 158	49 974
	Kentucky	328 405	294 412		Texas	62 991	48 020
	Louisiana	193 774	170 619		Utah	11 462	N
	Maine	108 941	89 045		Virginia	29 274	31 960
	Maryland	244 402	252 548		Washington	27 570	21 171
	Massachusetts	493 085	480 560		Wisconsin	26 536	22 001
	Michigan	528 418	462 055				
	Minnesota	270 820	270 896	3115131	NATURAL CHEESE, EXCEPT COTTAGE CHEESE (CHEDDAR, SWISS, ITALIAN, BRICK, CREAM, GRATED, DRIED, ETC.)		
	Missouri	202 641	164 792		United States	13 102 105	10 078 599
	Nebraska	82 977	120 707		California	1 580 680	1 240 501
	New Jersey	534 179	490 610		Idaho	399 188	301 393
	New Mexico	48 360	N		Illinois	298 520	343 722
	New York	675 430	597 705		Indiana	110 425	37 465
	North Carolina	297 447	290 060		Iowa	316 982	398 317
	Ohio	517 161	480 911		Minnesota	1 048 705	918 423
	Oklahoma	139 611	162 500		Missouri	879 218	458 964
	Oregon	229 996	172 102		New Jersey	214 354	82 036
	Pennsylvania	647 330	717 100				
	South Carolina	163 972	151 610				
	Tennessee	359 850	331 433				
	Texas	783 889	710 092				

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		1997	1992			1997	1992
3115131	NATURAL CHEESE, EXCEPT COTTAGE CHEESE (CHEDDAR, SWISS, ITALIAN, BRICK, CREAM, GRATED, DRIED, ETC.)—Con. New York 1 174 697 North Carolina 32 686 North Dakota 24 207 Ohio 222 138 Pennsylvania 379 577 South Dakota 259 683 Utah 194 348 Vermont 200 250 Washington 191 918 Wisconsin 4 295 948		575 768 N 54 680 87 104 386 082 187 505 290 163 193 781 139 634 3 458 835	311514A	ICE CREAM MIXES AND RELATED PRODUCTS—Con. Tennessee 9 392 Texas 58 909 Utah 19 082 Washington 8 936		N 77 132 N 12 711
	United States 4 325 684		5 068 421	311514D	DAIRY PRODUCT SUBSTITUTES United States 1 899 881		1 565 961
3115134	PROCESS CHEESE AND RELATED PRODUCTS California 130 401 Minnesota 892 479 New York 8 925 Wisconsin 1 347 524		142 173 925 674 N 1 692 113	3116111	FRESH AND FROZEN BEEF, NOT CANNED OR MADE INTO SAUSAGE, MADE FROM ANIMALS SLAUGHTERED IN THIS PLANT United States 28 133 566		26 943 303
3115137	CHEESE SUBSTITUTES AND IMITATIONS United States 345 514		313 884		Arkansas 8 964 California 814 273 Florida 47 626 Georgia 244 154 Idaho 512 477 Illinois 934 066 Iowa 716 501 Kansas 5 864 883 Michigan 358 828 Minnesota 631 768		N 765 000 27 955 126 637 484 440 793 191 1 356 984 5 118 789 309 323 740 936
311513A	RAW LIQUID WHEY United States 113 249		N		Missouri 26 821 Nebraska 5 831 988 New Jersey 5 533 New York 12 501 North Carolina 110 236 Ohio 20 294 Oklahoma 7 793 Oregon 74 040 Pennsylvania 1 098 822 Tennessee 110 144 Texas 5 008 782 Washington 742 990 Wisconsin 1 388 896		65 180 5 829 421 35 566 2 947 64 863 122 283 10 967 41 096 998 150 39 696 4 578 324 702 794 1 078 265
3115141	DRY MILK PRODUCTS AND MIXTURES United States 3 538 811		2 876 766	3116114	FRESH AND FROZEN VEAL, NOT CANNED OR MADE INTO SAUSAGE, MADE FROM ANIMALS SLAUGHTERED IN THIS PLANT United States 355 320		283 048
	California 665 172 Idaho 43 390 Illinois 64 358 Iowa 296 767 Michigan 499 327 Minnesota 194 828 New York 98 190 Ohio 14 229 Pennsylvania 124 367 South Dakota 33 624 Utah 61 154 Wisconsin 473 036		368 438 N 64 414 343 637 372 536 258 943 68 949 15 910 131 380 52 860 6 254 618 873		California 32 514 Illinois 93 001 Michigan 4 903		N N N
3115144	CANNED MILK PRODUCTS (CONSUMER-TYPE CANS), EXCEPT SUBSTITUTES United States 1 426 526		1 202 344	3116117	FRESH AND FROZEN LAMB AND MUTTON, NOT CANNED OR MADE INTO SAUSAGE, MADE FROM ANIMALS SLAUGHTERED IN THIS PLANT United States 375 767		335 009
	Ohio 103 745 Wisconsin 80 011		90 168 N	311611A	FRESH AND FROZEN PORK, NOT CANNED OR MADE INTO SAUSAGE, MADE FROM ANIMALS SLAUGHTERED IN THIS PLANT United States 11 806 893		9 647 669
3115147	CONCENTRATED MILK PRODUCTS SHIPPED IN BULK (BARRELS, DRUMS, AND TANKS) United States 747 841		903 304		Arkansas 7 825 California 171 161 Florida 2 336 Georgia 10 546 Illinois 1 107 322 Indiana 780 506 Iowa 3 893 462 Kansas 48 823 Nebraska 896 109 Pennsylvania 231 843 Texas 4 092		N N N 117 111 955 040 505 711 3 607 274 N 623 931 N N
311514A	ICE CREAM MIXES AND RELATED PRODUCTS United States 876 668		743 514	311611D	LARD, MADE FROM ANIMALS SLAUGHTERED IN THIS PLANT United States D		105 582
	Alabama 10 600 California 60 899 Colorado 11 596 Florida 20 676 Hawaii 2 568 Idaho 8 911 Illinois 62 244 Indiana 26 818 Kentucky 7 116 Louisiana 2 548		12 649 41 871 9 058 16 276 N N 75 759 52 236 8 332 N	311611G	PORK, PROCESSED OR CURED (NOT CANNED OR MADE INTO SAUSAGE), MADE FROM ANIMALS SLAUGHTERED IN THIS PLANT United States 2 972 828		2 016 572
	Massachusetts 11 254 Michigan 44 266 Minnesota 207 808 Missouri 15 005 New Jersey 33 463 New York 19 948 Ohio 25 719 Oregon 14 672 Pennsylvania 32 609		14 914 39 110 N 17 481 N 20 999 28 156 N N		Arkansas 4 434 Georgia 2 896 Nebraska 197 339		N 29 792 N

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		1997	1992			1997	1992	
311611J	SAUSAGES AND SIMILAR PRODUCTS (NOT CANNED), MADE FROM ANIMALS SLAUGHTERED IN THIS PLANT			3116124	SAUSAGE AND SIMILAR PRODUCTS, (NOT CANNED), NOT MADE IN MEAT PACKING PLANTS—Con.			
	United States	1 997 959	1 707 086		United States	6 094 246	N	
	Alabama	71 402	80 429		Alabama	12 225	N	
	Arkansas	12 999	N		California	296 917	N	
	Kentucky	71 453	105 529		Connecticut	17 577	N	
	North Carolina	29 481	43 701		Florida	229 388	N	
	Texas	136 638	49 595		Georgia	35 595	N	
						Illinois	608 504	N
311611M	CANNED MEATS (EXCEPT DOG, CAT, AND BABY FOOD), MADE FROM ANIMALS SLAUGHTERED IN THIS PLANT				Iowa	462 450	N	
	United States	D	D	Kansas	249 965	N		
				Louisiana	27 045	N		
				Maryland	19 653	N		
				Massachusetts	141 045	N		
				Michigan	206 078	N		
				Minnesota	61 360	N		
				Mississippi	14 359	N		
311611P	HIDES, SKINS, AND PELTS				Missouri	14 218	N	
	United States	2 065 175	1 993 537		Nebraska	158 686	N	
	California	48 973	36 391		New Jersey	92 788	N	
	Idaho	16 507	N		New York	47 309	N	
	Illinois	27 396	N		North Carolina	114 686	N	
	Indiana	5 167	7 591		Ohio	197 628	N	
	Iowa	61 496	92 493		Okahoma	99 929	N	
	Kansas	468 253	378 313		Oregon	60 137	N	
	Michigan	31 268	N		Pennsylvania	354 505	N	
	Minnesota	98 446	53 159		Texas	729 375	N	
	Nebraska	450 685	497 723		Virginia	222 594	N	
	Ohio	2 245	5 898		Washington	42 008	N	
	Okahoma	4 334	N		Wisconsin	1 008 572	N	
	Pennsylvania	77 157	N	3116127	CANNED MEATS (EXCEPT DOG, CAT, AND BABY FOOD), CONTAINING 20 PERCENT OR MORE MEAT, NOT MADE IN MEAT PACKING PLANTS			
	South Dakota	13 911	21 745			United States	1 142 179	903 701
	Texas	315 220	304 391					
Washington	48 251	N						
Wisconsin	155 148	91 766						
			311612A		OTHER PROCESSED, FROZEN, OR COOKED MEATS, NOT MADE IN MEAT PACKING PLANTS, NEC			
						United States	7 713 136	N
					Arizona	20 637	N	
					Arkansas	260 616	N	
					California	415 911	N	
					Colorado	103 327	N	
					Florida	44 915	N	
311611T	MISCELLANEOUS BYPRODUCTS OF MEAT PACKING PLANTS				Georgia	205 188	N	
	United States	769 884	N		Illinois	759 481	N	
	California	37 842	N		Indiana	55 008	N	
	Georgia	28 304	N		Iowa	534 500	N	
	Idaho	16 973	N		Kansas	200 817	N	
	Illinois	44 023	N		Kentucky	34 052	N	
	Indiana	16 124	N		Massachusetts	38 893	N	
	Iowa	63 283	N		Michigan	15 646	N	
	Kansas	86 504	N		Minnesota	187 467	N	
	Kentucky	2 385	N		Missouri	135 025	N	
	Minnesota	39 060	N		Nebraska	216 774	N	
	Nebraska	117 048	N		New Jersey	101 667	N	
	North Carolina	2 406	N		New York	677 890	N	
	Ohio	2 937	N		North Carolina	8 917	N	
	Pennsylvania	24 354	N		Ohio	329 904	N	
	South Dakota	11 202	N		Oregon	71 924	N	
3116121	PORK, PROCESSED OR CURED, INCLUDING FROZEN, (NOT CANNED OR MADE INTO SAUSAGE), NOT MADE IN MEAT PACKING PLANTS				Pennsylvania	635 674	N	
	United States	4 865 074	N		Tennessee	80 619	N	
	Alabama	22 589	N		Texas	757 252	N	
	California	40 971	N		Virginia	37 228	N	
	Connecticut	9 381	N		Wisconsin	795 286	N	
	Florida	117 388	N	3116131	RENDERING AND MEAT BYPRODUCT PROCESSING			
	Georgia	66 615	N			United States	1 207 143	975 143
	Illinois	279 987	N					
Indiana	140 656	N			Arizona	10 017	10 850	
Iowa	524 882	N			California	77 535	67 999	
Kansas	266 679	N			Colorado	60 605	37 009	
Kentucky	73 587	N			Georgia	25 941	21 316	
					Idaho	14 253	9 392	
	Louisiana	29 882	N		Illinois	61 167	34 727	
	Michigan	30 425	N		Indiana	35 195	31 977	
	Mississippi	7 993	N		Iowa	78 129	80 705	
	Missouri	251 850	N		Kansas	120 815	77 392	
	Nebraska	313 264	N		Louisiana	9 511	N	
	New Jersey	106 182	N		Massachusetts	20 700	N	
	New York	148 695	N		Minnesota	49 460	41 004	
	North Carolina	236 588	N		Mississippi	14 183	N	
	Ohio	749 748	N		Nebraska	108 348	97 119	
	Pennsylvania	140 545	N		North Carolina	57 686	N	
	Tennessee	50 209	N		Ohio	28 149	28 485	
	Texas	240 290	N		Okahoma	19 338	N	
	Virginia	155 020	N		Oregon	3 174	N	
	Washington	29 366	N		Pennsylvania	30 295	N	
	Wisconsin	333 929	N		Tennessee	17 889	N	
	3116124	SAUSAGE AND SIMILAR PRODUCTS, (NOT CANNED), NOT MADE IN MEAT PACKING PLANTS				Texas	114 073	85 159

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		1997	1992			1997	1992
3116131	RENDERING AND MEAT BYPRODUCT PROCESSING—Con.			311615D	PROCESSED POULTRY AND SMALL GAME (EXCEPT SOUPS) CONTAINING 20 PERCENT OR MORE POULTRY OR MEAT		
	Virginia	13 057	N		United States	9 148 518	6 020 127
	Washington	17 552	25 305		Alabama	297 583	223 595
	Wisconsin	50 525	40 348		Arkansas	1 679 706	1 223 405
3116134	ANIMAL AND MARINE FEED AND FERTILIZER BYPRODUCTS				California	274 776	218 448
	United States	2 389 933	N		Georgia	496 320	314 144
	Alabama	31 425	N		Iowa	268 068	N
	Arizona	8 092	N		Massachusetts	63 146	N
	Arkansas	272 184	N		Minnesota	507 203	370 006
	California	120 714	N		Mississippi	564 193	N
	Colorado	71 794	N		Missouri	722 380	388 224
	Georgia	67 089	N		Nebraska	30 354	42 820
	Idaho	11 478	N		New Jersey	95 905	125 544
	Illinois	66 194	N		New York	49 639	7 046
	Indiana	47 532	N		North Carolina	501 945	495 023
	Iowa	173 282	N		Ohio	61 688	N
	Kansas	164 466	N		Pennsylvania	301 758	262 213
	Michigan	31 911	N		Tennessee	299 969	293 666
	Minnesota	91 318	N		Texas	310 075	168 272
	Missouri	138 391	N	3117121	PREPARED FRESH FISH AND OTHER FRESH SEAFOOD		
	Nebraska	222 127	N		United States	953 350	983 634
	North Carolina	95 081	N		Alabama	14 453	29 041
	Ohio	14 481	N		Alaska	109 330	112 826
	Oklahoma	40 605	N		Arkansas	29 642	N
	Oregon	4 612	N		California	60 736	108 950
	Pennsylvania	75 423	N		Florida	48 842	37 287
	South Dakota	15 046	N		Louisiana	25 384	34 633
	Tennessee	18 187	N		Maine	22 378	N
	Texas	214 951	N		Maryland	9 489	16 728
	Virginia	82 755	N		Massachusetts	71 974	87 734
	Washington	12 791	N		Mississippi	168 247	133 765
	Wisconsin	49 325	N		North Carolina	31 450	28 837
3116151	YOUNG CHICKENS (USUALLY UNDER 20 WEEKS OF AGE), WHOLE OR PARTS			3117122	PREPARED FROZEN FISH		
	United States	16 780 364	12 642 275		United States	1 807 733	2 732 415
	Alabama	1 895 902	1 714 497		Alaska	426 781	564 165
	Arkansas	2 264 283	1 819 359		California	85 697	53 436
	California	604 901	N		Florida	8 258	5 266
	Connecticut	17 874	N		Massachusetts	426 531	605 353
	Delaware	769 122	570 591		Mississippi	116 675	164 256
	Florida	320 419	263 463		Oregon	9 460	7 002
	Georgia	2 737 838	1 754 377		Washington	291 537	698 508
	Kentucky	262 446	N	3117123	PREPARED FROZEN SHELLFISH		
	Maryland	425 918	364 850		United States	1 461 943	1 549 788
	Massachusetts	26 456	N		Alabama	40 595	73 048
	Mississippi	1 024 894	890 651		Alaska	140 518	208 225
	Missouri	757 723	378 676		California	197 948	142 880
	New Jersey	50 855	N		Florida	314 293	359 945
	New York	25 429	N		Louisiana	99 910	72 981
	North Carolina	1 581 582	1 224 319		Maine	3 130	N
	Ohio	82 466	48 685		Maryland	31 177	N
	Pennsylvania	299 904	246 318		Massachusetts	52 503	N
	South Carolina	196 341	N		Mississippi	49 385	37 463
	Tennessee	333 007	204 155		North Carolina	12 777	N
	Virginia	852 335	754 641		Oregon	36 388	39 844
3116154	HENS AND-OR FOWL (INCLUDING FROZEN), WHOLE OR PARTS			3117124	OTHER PREPARED FROZEN SEAFOODS, NEC		
	United States	317 900	106 630		United States	657 271	N
	Georgia	141 500	N		Alabama	3 313	N
3116157	TURKEYS (INCLUDING FROZEN), WHOLE OR PARTS			3118121	BREAD (WHITE, WHEAT, AND RYE, ETC.), INCLUDING FROZEN		
	United States	3 794 162	2 881 071		United States	7 176 712	N
	California	365 159	236 951		Alabama	159 341	N
	Missouri	341 282	221 183		Arizona	114 410	N
	New Jersey	14 454	N		Arkansas	30 803	N
	North Carolina	624 440	476 980		California	1 005 697	N
	Pennsylvania	149 107	111 389		Colorado	81 437	N
311615A	OTHER POULTRY AND SMALL GAME (INCLUDING FROZEN), WHOLE OR PARTS, NEC				Connecticut	213 107	N
	United States	68 672	73 927		Florida	326 560	N
					Georgia	123 832	N
					Hawaii	36 833	N

Table 2. **Product Class Shipments for Selected States: 1997 and 1992—Con.**

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NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)		NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)	
		1997	1992			1997	1992
3118121	BREAD (WHITE, WHEAT, AND RYE, ETC.), INCLUDING FROZEN—Con.			311812A	PIES (FRUIT, CREAM, AND CUSTARD), EXCEPT FROZEN		
	Illinois	443 600	N		United States	544 407	415 243
	Indiana	176 093	N		California	61 427	32 837
	Iowa	114 862	N		Illinois	39 693	29 490
	Kansas	23 219	N		Minnesota	6 871	N
	Kentucky	72 731	N		New Jersey	12 989	17 324
	Louisiana	92 200	N		Pennsylvania	77 322	82 215
	Maryland	170 161	N		Tennessee	4 826	3 980
	Massachusetts	221 709	N		Washington	22 345	12 643
	Michigan	201 377	N		Wisconsin	3 423	N
	Minnesota	121 822	N				
	Missouri	192 458	N	311812D	OTHER SWEET GOODS, EXCEPT FROZEN, NEC		
	Nevada	11 061	N		United States	2 046 923	N
	New Jersey	55 444	N		Alabama	26 223	N
	New York	361 476	N		California	202 320	N
	North Carolina	243 395	N		Florida	35 861	N
	Ohio	361 366	N		Georgia	122 363	N
	Oklahoma	73 778	N		Hawaii	5 327	N
	Oregon	113 503	N		Illinois	110 552	N
	Pennsylvania	471 308	N		Iowa	5 826	N
	Rhode Island	17 539	N		Kentucky	78 112	N
	South Carolina	90 439	N		Maryland	41 654	N
	Tennessee	164 756	N		Massachusetts	22 360	N
	Texas	427 202	N		Michigan	72 294	N
	Utah	100 523	N		Minnesota	14 572	N
	Vermont	19 823	N		Missouri	9 896	N
	Virginia	102 750	N		New Jersey	30 745	N
	Washington	124 595	N		North Carolina	58 549	N
	West Virginia	95 459	N		Ohio	38 287	N
	Wisconsin	141 156	N		Oregon	10 528	N
3118124	ROLLS (BREAD-TYPE), MUFFINS, BAGELS, AND CROISSANTS				Pennsylvania	225 583	N
	United States	5 258 028	4 036 971		Tennessee	54 303	N
	Alabama	133 726	118 210	3118211	CRACKERS, SOFT PRETZELS, BISCUITS, AND RELATED PRODUCTS		
	Arizona	70 047	54 398		United States	3 549 350	N
	California	582 630	491 223		California	122 583	N
	Colorado	45 894	41 624		Georgia	418 703	N
	Connecticut	139 328	105 326		Illinois	285 666	N
	Florida	285 151	158 418		New Jersey	246 859	N
	Georgia	93 961	61 742		New York	230 101	N
	Hawaii	22 289	16 557		Ohio	569 186	N
	Illinois	472 431	377 199		Pennsylvania	269 229	N
	Indiana	177 540	88 790	3118214	COOKIES, WAFERS, AND ICE CREAM CONES AND CUPS (EXCEPT FROZEN)		
	Iowa	86 705	61 087		United States	4 610 958	4 168 864
	Kansas	32 451	32 745		California	305 976	241 523
	Kentucky	46 628	34 643		Florida	53 699	55 117
	Maryland	173 861	175 358		Georgia	280 948	388 934
	Massachusetts	160 702	81 460		Hawaii	5 090	N
	Michigan	111 891	88 853		Illinois	802 720	662 868
	Minnesota	58 969	79 445		Indiana	41 074	46 991
	Mississippi	28 338	N		Kentucky	229 224	207 913
	Missouri	82 740	55 657		Maryland	3 192	11 781
	New Jersey	139 862	199 959		Massachusetts	5 816	13 840
	New York	400 800	238 446		Minnesota	4 355	N
	North Carolina	105 901	89 541		Missouri	38 843	17 716
	North Dakota	12 496	N		New Jersey	379 274	415 289
	Ohio	286 390	204 536		New York	174 554	135 641
	Oklahoma	36 127	29 566		North Carolina	79 839	60 366
	Oregon	82 163	77 939		Ohio	394 479	441 550
	Pennsylvania	255 289	212 518		Oklahoma	69 037	N
	Rhode Island	37 605	42 718		Oregon	77 865	66 960
	South Carolina	68 274	51 743		Pennsylvania	417 326	292 846
	Tennessee	127 358	81 795		Tennessee	192 423	152 153
	Texas	239 013	177 459		Texas	46 139	48 933
	Utah	36 822	N		Utah	36 989	N
	Virginia	60 662	38 636		Washington	47 615	21 062
	Washington	86 615	62 528	3119111	NUTS AND SEEDS (SALTED, ROASTED, COOKED, OR BLANCHED)		
	West Virginia	45 077	41 727		United States	2 814 998	N
	Wisconsin	97 787	73 903		California	1 236 159	N
3118127	SOFT CAKES, EXCEPT FROZEN				Georgia	339 993	N
	United States	2 270 619	1 888 228		Illinois	25 586	N
	Arizona	2 429	N		Massachusetts	44 542	N
	California	161 986	160 447		Michigan	20 376	N
	Colorado	11 139	N		Minnesota	63 721	N
	Georgia	144 387	117 216		New Jersey	42 678	N
	Hawaii	2 159	N		New York	16 890	N
	Illinois	320 147	114 007		North Dakota	35 134	N
	Indiana	6 973	76 400		Ohio	43 498	N
	Kentucky	27 917	N		Pennsylvania	38 948	N
	Maryland	11 994	N		Texas	37 318	N
	Minnesota	12 419	N	3119114	PEANUT BUTTER		
	New Jersey	79 548	124 332				
	New York	122 839	155 910				
	North Carolina	46 030	38 309				
	Oregon	8 238	3 439				
	Pennsylvania	198 963	N				
	Texas	54 777	98 996				
	Virginia	9 067	N				
	Washington	51 486	N				
	Wisconsin	13 402	7 395				

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NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)		NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)	
		1997	1992			1997	1992
3119114	PEANUT BUTTER—Con.			3119307	OTHER FLAVORING AGENTS (EXCEPT CHOCOLATE SYRUPS), NEC		
	United States	847 176	1 269 720		United States	2 485 017	N
	Texas	35 090	N		California	571 655	N
3119191	POTATO CHIPS AND STICKS, PLAIN AND FLAVORED				Florida	4 557	N
	United States	4 036 503	3 263 209		Illinois	29 598	N
	Indiana	262 592	233 485	3119411	VINEGAR AND CIDER		
	Massachusetts	34 706	20 584		United States	233 155	228 521
	Michigan	116 651	74 855		California	23 742	32 666
	Ohio	160 919	146 798		Michigan	35 937	41 744
	Pennsylvania	421 465	465 191		New Jersey	8 571	N
3119194	CORN CHIPS AND RELATED PRODUCTS				New York	10 635	N
	United States	4 428 299	3 010 688		Pennsylvania	18 570	N
	Arizona	66 899	67 090		Tennessee		
	California	603 553	438 285	3119414	PREPARED SAUCES (EXCEPT TOMATO)		
	Illinois	110 528	23 164		United States	1 870 691	1 754 331
	Kentucky	79 782	68 226		Alabama	24 043	5 020
	Minnesota	30 038	N		California	80 760	330 081
	New Mexico	3 905	N		Georgia	15 650	N
	Ohio	183 634	128 500		Illinois	136 436	117 661
	Pennsylvania	294 023	215 902		Indiana	7 139	N
	Tennessee	92 876	86 663		Louisiana	174 510	126 141
	Wisconsin	208 623	N		Massachusetts	5 413	N
3119197	OTHER CHIPS, STICKS (HARD PRETZELS, BACON RINDS, POPCORN (EXCEPT CANDIED), ETC.), EXCLUDING CRACKERS, SOFT PRETZELS, AND NUTS				Michigan	11 894	N
	United States	1 166 889	N		Minnesota	6 270	N
	California	93 845	N		New York	39 371	55 762
	Florida	23 915	N		Ohio	99 336	65 389
	Georgia	39 456	N		Oklahoma	9 993	N
	Illinois	30 442	N		Oregon	32 956	N
	Indiana	32 037	N		Pennsylvania	46 798	114 567
	Minnesota	7 467	N		Tennessee	3 330	7 619
	Missouri	88 689	N		Texas	364 013	312 845
	Ohio	96 617	N		Wisconsin	184 034	135 246
	Pennsylvania	387 254	N	3119417	MAYONNAISE, SALAD DRESSINGS, AND SANDWICH SPREADS		
	Texas	53 309	N		United States	3 282 608	3 339 745
3119201	ROASTED COFFEE				California	271 570	514 148
	United States	5 564 573	3 763 364		Georgia	117 406	230 284
	California	559 365	612 491		Illinois	960 393	911 971
	Georgia	14 708	N		Indiana	59 348	59 568
	Hawaii	13 291	N		Iowa	20 292	N
	Illinois	213 238	112 291		New York	100 762	107 795
	Louisiana	682 808	566 549		Ohio	179 373	97 447
	Massachusetts	161 700	70 251		Texas	166 634	N
	New York	186 513	139 722	3119421	TABLE SALT (EVAPORATED), PEPPER (BLACK AND WHITE), AND OTHER SPICES		
	Texas	682 551	548 489		United States	1 713 993	N
	Wisconsin	9 763	N		California	292 984	N
3119204	COFFEE, CONCENTRATED (FREEZE-DRIED, SPRAY-DRIED, FROZEN, OR LIQUID CONCENTRATES OR EXTRACTS, MIXTURES, ETC.)				Illinois	93 871	N
	United States	803 125	N		Michigan	5 207	N
	California	46 916	N		Missouri	113 000	N
3119207	TEA IN CONSUMER PACKAGES				New Jersey	64 805	N
	United States	779 886	1 106 129		New Mexico	29 574	N
	California	64 776	N		New York	23 730	N
	Illinois	24 315	N		Ohio	16 489	N
	North Carolina	17 403	N		Texas	31 911	N
	Oregon	4 835	N		Virginia	31 099	N
3119301	LIQUID BEVERAGE BASES NOT FOR USE BY SOFT DRINK BOTTLERS			3119424	FLAVORING EXTRACTS, EMULSIONS, AND OTHER LIQUID FLAVORS		
	United States	243 083	158 766		United States	772 591	N
	California	19 506	7 581		California	84 137	N
	New Jersey	20 080	7 594		Florida	64 678	N
	New York	6 341	N		Illinois	166 910	N
3119304	LIQUID BEVERAGE BASES FOR USE BY SOFT DRINK BOTTLERS				Maryland	59 900	N
	United States	3 570 847	2 981 516		Michigan	18 158	N
	California	123 774	295 222		New Jersey	52 534	N
	Georgia	1 003 366	N		New York	52 086	N
	Ohio	37 498	N		North Carolina	7 738	N
					Ohio	61 003	N
					Pennsylvania	65 203	N
					Washington	15 121	N
					Wisconsin	31 897	N

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		1997	1992			1997	1992
3119427	DRY MIX FOOD PREPARATIONS, INCLUDING DIP MIXES, SALAD DRESSING MIXES, SEASONING MIXES, GRAVY AND SAUCE MIXES, AND FROSTING MIXES			311999M	OTHER FOOD PREPARATIONS, NEC		
	United States	1 786 374	N		United States	2 121 392	N
	California	62 975	N		California	255 995	N
	Florida	112 603	N		Florida	6 124	N
	Georgia	195 009	N		Georgia	22 793	N
	Illinois	222 216	N		Hawaii	9 576	N
	Louisiana	21 746	N		Illinois	133 953	N
	Massachusetts	11 117	N		Iowa	306 716	N
	Minnesota	13 782	N		Kansas	139 149	N
	New Jersey	34 492	N		Massachusetts	6 169	N
	Ohio	128 933	N		Michigan	5 183	N
	Texas	224 543	N		Minnesota	177 106	N
	Washington	14 714	N		Missouri	71 359	N
	Wisconsin	102 038	N		Nebraska	19 605	N
3119991	DESSERTS (READY-TO-MIX)				New Jersey	43 745	N
	United States	512 820	708 846		New York	47 937	N
	California	110 264	N		North Carolina	39 685	N
3119994	SWEETENING SYRUPS AND MOLASSES			3121111	BOTTLED CARBONATED SOFT DRINKS		
	United States	627 456	611 636		United States	9 094 971	7 456 576
	California	33 560	19 230		Alabama	212 274	215 679
3119997	BAKING POWDER AND YEAST			3121114	CANNED CARBONATED SOFT DRINKS		
	United States	373 875	315 951		United States	11 762 928	9 941 320
	California	35 933	40 116		Alabama	176 141	199 613
311999A	MACARONI AND NOODLE PRODUCTS PACKAGED WITH OTHER INGREDIENTS, NOT CANNED OR FROZEN			3121114	CANNED CARBONATED SOFT DRINKS		
	United States	1 218 827	1 122 344		United States	11 762 928	9 941 320
	California	103 989	50 284		Alabama	176 141	199 613
	Florida	9 212	2 676		Arizona	272 340	225 034
	Illinois	592 521	N		Arkansas	153 214	N
	Nebraska	5 098	N		California	1 263 479	1 272 192
	New York	32 462	19 762		Colorado	187 547	171 434
	Pennsylvania	46 899	N		Florida	730 636	634 051
	Texas	5 487	N		Georgia	705 519	383 508
	Virginia	101 577	N		Illinois	472 618	517 005
311999D	DRIED AND DEHYDRATED PRODUCTS, EXCEPT PASTA, PACKAGED WITH OTHER INGREDIENTS				Indiana	477 365	476 441
	United States	1 000 184	N		Iowa	220 574	135 896
	California	157 409	N		Kansas	226 285	209 000
	Idaho	24 030	N		Louisiana	146 057	179 474
	Illinois	231 541	N		Maryland	339 679	275 526
	Minnesota	2 871	N		Michigan	301 882	210 525
	New Jersey	11 723	N		Minnesota	363 269	353 262
	Wisconsin	10 856	N		Missouri	311 623	311 370
311999G	LIQUID, DRIED, AND FROZEN EGGS				Nebraska	112 909	86 927
	United States	1 461 611	866 236		New Jersey	160 504	182 624
	California	36 480	39 308		New York	397 329	401 240
	Georgia	67 053	50 745		North Carolina	324 617	103 866
	Iowa	106 480	92 590		Ohio	773 820	397 793
	Minnesota	271 553	N		Oregon	137 663	112 865
	Missouri	103 976	111 696		Pennsylvania	254 351	207 110
	Ohio	86 032	N		Tennessee	308 157	269 583
311999J	FLAVORING POWDERS, TABLETS, AND PASTE, INCLUDING DRY MIX COCKTAILS				Texas	1 008 679	928 345
	United States	867 251	N		Utah	120 894	51 283
	California	50 505	N		Virginia	266 811	240 728
	Florida	16 070	N		Washington	245 254	209 682
	Illinois	194 313	N		Wisconsin	235 538	203 869
	Minnesota	14 401	N				
	New Jersey	164 632	N				
	Wisconsin	15 396	N				

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U.S. Census Bureau, 1997 Economic Census Oct. 10, 2001

Table 2. Product Class Shipments for Selected States: 1997 and 1992—Con.

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NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)		NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)	
		1997	1992			1997	1992
313111C	SCOURING AND COMBING MILL PRODUCTS—Con. United States D N			313210C	FABRICATED COTTON TEXTILE PRODUCTS (EXCEPT TOWELS AND WASHCLOTHS) (MADE IN WEAVING MILLS) United States 505 677 497 620		
3131121	NOVELTY AND PLIED YARNS, OTHER THAN WOOL (NOT SPUN OR THROWN AT THE SAME ESTABLISHMENT) United States 156 841 N Georgia 20 963 N North Carolina 75 151 N Pennsylvania 15 135 N			313210E	MANMADE FIBER BROADWOVEN FABRICS OF 85 PERCENT OR MORE FILAMENT YARNS, CHIEFLY RAYON, ACETATE, AND/OR LYOCCELL (GRAY GOODS) United States 540 475 639 686 North Carolina 54 511 90 963 Pennsylvania 68 437 21 293 South Carolina 105 629 135 560 Virginia 118 536 239 399		
3131123	THROWN FILAMENT YARNS, EXCEPT TEXTURED United States 1 023 930 332 696 Georgia 620 623 65 649 New Jersey 14 856 6 563 North Carolina 110 987 105 210 South Carolina 160 037 N Virginia 23 134 N			313210G	MANMADE FIBER BROADWOVEN FABRICS OF 85 PERCENT OR MORE FILAMENT YARNS (EXCEPT RAYON, ACETATE, AND/OR LYOCCELL) (GRAY GOODS) United States 3 167 653 2 222 868 Georgia 981 284 610 959 New York 54 070 35 556 North Carolina 500 973 384 237 Pennsylvania 144 828 107 115 South Carolina 852 562 618 550 Virginia 306 250 251 308		
3131125	TEXTURED, CRIMPED, OR BULKED FILAMENT YARNS, INCLUDING STRETCH YARN (MADE FROM PURCHASED FILAMENT YARN) United States 3 092 822 2 376 826 Georgia 680 873 690 743 North Carolina 1 639 145 1 154 173 South Carolina 333 844 N Virginia 157 256 207 096			313210H	MANMADE FIBER BROADWOVEN PLAIN WEAVE FABRICS, OF 85 PERCENT OR MORE SPUN YARNS (EXCEPT PILE), EXCLUDING WOOL BLENDS (GRAY GOODS) United States 1 166 604 1 952 706 Georgia 100 750 158 644 North Carolina 120 210 334 011 South Carolina 762 958 1 178 422		
3131127	COMMISSION RECEIPTS FOR THROWING OR TEXTURING OF FILAMENT YARNS United States 43 213 N Georgia 26 444 N North Carolina 10 690 N			313210J	MANMADE FIBER BROADWOVEN TWILL WEAVE FABRICS, OF 85 PERCENT OR MORE SPUN YARNS (EXCEPT PILE), EXCLUDING WOOL BLENDS (GRAY GOODS) United States 199 999 301 704 Alabama 15 758 N North Carolina 23 285 29 280 South Carolina 102 607 232 032		
3132101	COTTON BROADWOVEN PLAIN WEAVE FABRICS (EXCEPT PILE) (GRAY GOODS) United States 975 740 941 436 Alabama 163 203 94 401 California 9 783 N Georgia 124 516 248 144 North Carolina 39 762 96 912 South Carolina 529 961 410 883			313210L	MANMADE FIBER BROADWOVEN FABRICS, OF WEAVES OTHER THAN PLAIN, TWILL, AND PILE, OF 85 PERCENT OR MORE SPUN YARN, EXCLUDING WOOL BLENDS (GRAY GOODS) United States 718 496 359 440 Georgia 69 804 23 295 North Carolina 122 982 136 268 Pennsylvania 43 793 18 832 South Carolina 249 933 136 972		
3132103	COTTON BROADWOVEN TWILL WEAVE FABRICS (EXCEPT PILE) (GRAY GOODS) United States 2 193 692 1 381 677 Georgia 591 200 290 809 South Carolina 664 392 407 809 Texas 128 021 N			313210M	MANMADE FIBER BROADWOVEN FABRICS, COMBINATIONS OF SPUN AND FILAMENT YARNS (EXCEPT WOOL BLENDS), EACH LESS THAN 85 PERCENT OF TOTAL FIBER CONTENT (GRAY GOODS) United States 1 497 959 1 009 332 Georgia 172 994 N North Carolina 322 924 358 989 Pennsylvania 22 793 56 427 South Carolina 377 127 242 142 Virginia 134 532 N		
3132105	COTTON BROADWOVEN FABRICS, WEAVES OTHER THAN PLAIN, TWILL, OR PILE (GRAY GOODS) United States 427 642 535 135 Georgia 57 994 77 038 North Carolina 168 026 188 750 Pennsylvania 79 757 28 556 South Carolina 47 003 88 244			313210N	OTHER BROADWOVEN FABRICS OF MANMADE FIBERS INCLUDING PILE; AND BROADWOVEN FABRICS OF SILK AND NATURAL FIBERS (EXCEPT COTTON) (GRAY GOODS) United States 375 539 N North Carolina 225 031 N South Carolina 52 132 N		
3132107	COTTON BROADWOVEN PILE FABRICS (GRAY GOODS) United States 375 689 300 859 South Carolina 74 211 N						
3132109	FINISHED COTTON BROADWOVEN FABRICS (FINISHED IN WEAVING MILLS) United States 682 361 1 253 595 Georgia 142 402 409 776 Michigan 5 438 N North Carolina 294 629 448 667						
313210B	COTTON TOWELS AND WASHCLOTHS (MADE IN WEAVING MILLS) United States 685 656 731 630						

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		1997	1992			1997	1992
313210P	FINISHED MANMADE FIBER AND SILK BROADWOVEN FABRICS (FINISHED IN WEAVING MILLS)			3132303	FABRICATED NONWOVEN PRODUCTS		
	United States	1 789 850	1 290 996		United States	838 357	901 236
	Georgia	98 912	133 434		Massachusetts	45 081	N
	Massachusetts	30 191	N		New Jersey	26 087	N
	North Carolina	818 572	308 235		New York	73 701	48 186
	South Carolina	261 141	220 874		North Carolina	84 208	132 625
	Virginia	245 004	215 232		Pennsylvania	125 146	N
					South Carolina	53 625	N
313210Q	SHEETS AND PILLOWCASES, WHOLLY OR CHIEFLY MANMADE FIBERS AND SILK (MADE IN WEAVING MILLS)			3132305	PRESSED, PUNCHED, OR NEEDED FELTS (EXCEPT HATS)		
	United States	D	D		United States	537 688	644 955
313210R	FABRICATED MANMADE FIBER AND SILK TEXTILE PRODUCTS (EXCEPT SHEETS AND PILLOWCASES) (MADE IN WEAVING MILLS)				Georgia	34 373	52 400
	United States	D	D		Massachusetts	46 061	93 217
	North Carolina	48 083	N		North Carolina	61 024	33 523
313210T	WOOL BROADWOVEN FABRICS (GRAY GOODS)			3132411	WEFT (CIRCULAR) KNIT FABRICS GREIGE GOODS, EXCEPT HOSIERY		
	United States	258 345	393 320		United States	1 218 064	1 284 052
	Pennsylvania	7 139	7 106		California	36 534	55 696
313210U	FINISHED BROADWOVEN WOOL FABRICS AND FELTS (FINISHED IN WEAVING MILL)				Georgia	36 946	35 425
	United States	682 535	N	3132413	FINISHED WEFT (CIRCULAR) KNIT FABRICS, EXCEPT HOSIERY, FINISHED IN KNITTING MILL		
	New Hampshire	67 599	N		United States	1 585 100	N
313210V	FABRICATED TEXTILE PRODUCTS, 36 PERCENT OR MORE WOOL (MADE IN WEAVING MILLS)				California	192 681	N
	United States	79 316	D		Georgia	87 847	N
3132211	WOVEN NARROW FABRICS (12 INCHES OR LESS IN WIDTH)			3132415	CONTRACT AND COMMISSION RECEIPTS FOR KNITTING ONLY OR KNITTING AND FINISHING WEFT (CIRCULAR) KNIT FABRICS		
	United States	930 998	N		United States	296 431	N
	Alabama	87 273	N		California	20 561	N
	California	54 381	N		Florida	2 793	N
	Florida	31 281	N		New Jersey	40 861	N
	Georgia	16 620	N		New York	19 701	N
	Massachusetts	16 961	N		North Carolina	150 846	N
	New Hampshire	48 278	N		Pennsylvania	39 695	N
	New Jersey	40 494	N		South Carolina	14 532	N
	New York	9 413	N		Tennessee	2 027	N
	North Carolina	110 969	N	3132491	WARP KNIT FABRICS GREIGE GOODS		
	Pennsylvania	131 871	N		United States	633 654	454 342
	Rhode Island	71 582	N		Florida	17 062	N
	South Carolina	126 601	N		Georgia	59 960	N
	Tennessee	6 528	N		New Jersey	40 836	41 074
	Virginia	33 893	N		New York	91 252	60 569
3132213	BRAIDED NARROW FABRICS (12 INCHES OR LESS IN WIDTH)				North Carolina	114 572	107 293
	United States	206 032	205 451		Rhode Island	14 773	N
	Massachusetts	15 746	11 017		South Carolina	109 635	N
	North Carolina	18 162	23 494	3132493	FINISHED WARP KNIT FABRICS, FINISHED IN KNITTING MILL		
	Rhode Island	36 099	42 793		United States	1 486 521	N
3132215	COVERED RUBBER THREAD, MADE IN NARROW FABRIC MILLS				Connecticut	21 869	N
	United States	157 853	152 445		New York	124 079	N
	North Carolina	144 126	139 838		North Carolina	760 046	N
3132301	NONWOVEN FABRICS			3132495	LACE AND NET GOODS, ALL LEAVERS AND NOTTINGHAM LACE MACHINE PRODUCTS, INCLUDING BOBBINETS AND BARMEN LACES		
	United States	2 784 259	2 510 320		United States	43 182	55 669
	Alabama	16 134	N		New Jersey	10 476	9 948
	Connecticut	91 875	N				
	Georgia	289 311	142 884				
	Massachusetts	58 507	N				
	New York	56 869	50 020				
	North Carolina	635 366	371 828				
	Rhode Island	72 827	N				
	South Carolina	432 839	334 746				
	Tennessee	337 157	406 941				
	Virginia	103 193	N				
	Wisconsin	131 950	91 842				

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		1997	1992			1997	1992
3132497	CONTRACT AND COMMISSION RECEIPTS FOR KNITTING ONLY OR KNITTING AND FINISHING WARP KNIT FABRICS			3133205	OTHER COATED OR LAMINATED FABRICS AND COATED YARNS, NOT RUBBERIZED		
	United States	82 093	N		United States	1 105 889	776 675
	California				California	114 674	102 573
	Connecticut	12 892	N		Connecticut	44 858	22 151
	New Jersey	28 889	N		Georgia	61 544	2 980
	New York	30 521	N		Massachusetts	206 788	104 668
	North Carolina				Michigan	27 646	N
3132499	NONAPPAREL KNIT END PRODUCTS MADE IN KNITTING MILLS, INCLUDING TOWELS AND WASHCLOTHS				New Jersey	34 990	N
	United States	109 001	N		New York	64 445	64 699
	California				North Carolina	86 224	100 882
	Georgia				Ohio	50 390	64 580
	New Jersey				Pennsylvania	36 317	29 329
	New York				Wisconsin	11 254	N
	North Carolina			3141101	WOVEN CARPETS AND RUGS		
	South Carolina				United States	345 497	285 103
3133111	FINISHED COTTON BROADWOVEN FABRICS (NOT FINISHED IN WEAVING MILLS)			3141103	TUFTED CARPETS AND RUGS		
	United States	1 856 811	N		United States	9 968 548	8 820 737
	California	45 315	N		Alabama	303 236	129 655
	Georgia	242 286	N		California	711 590	526 519
	New Jersey	78 859	N		Georgia	7 423 222	6 788 862
	New York	255 999	N		North Carolina	435 553	N
	North Carolina	682 794	N		South Carolina	156 051	282 145
	South Carolina				Tennessee	227 861	122 627
3133113	JOB OR COMMISSION FINISHING OF COTTON BROADWOVEN FABRICS			3141105	CARPETS, RUGS, AND MATS, NEC (KNITTED, BRAIDED, HOOKED, NEEDLE-PUNCHED, WOVEN PAPER YARN, ETC.)		
	United States	1 359 146	866 451		United States	414 121	333 997
	Alabama	43 105	28 561		Georgia	126 450	70 560
	California	57 876	21 799	3141291	BEDSPREADS AND BEDSETS		
	Connecticut	12 080	12 343		United States	272 015	443 678
	Georgia	240 343	87 606		California	78 098	61 723
	Massachusetts	46 551	39 843		Connecticut	4 347	N
	New Jersey	70 628	21 517		Florida	20 860	17 888
	New York	71 065	27 635		Georgia	11 399	31 451
	North Carolina	132 414	160 892		New Jersey	8 012	9 510
	Pennsylvania	8 450	23 434		New York	14 108	16 045
	Rhode Island	36 964	43 109		North Carolina	59 857	71 362
	South Carolina	468 585	290 769		South Carolina	29 575	98 569
3133115	FINISHED MANMADE FIBER AND SILK BROADWOVEN FABRICS (NOT FINISHED IN WEAVING MILLS)				Texas	17 584	N
	United States	2 857 139	N	3141293	SHEETS AND PILLOWCASES		
	California	87 502	N		United States	1 444 112	1 001 944
	Connecticut	53 622	N		California	57 063	N
	Georgia	43 880	N		Georgia	110 264	N
	Massachusetts	77 688	N		New Jersey	13 274	N
	New Jersey	22 865	N		New York	53 367	20 483
	New York	327 019	N		North Carolina	23 763	16 598
	North Carolina	535 574	N	3141295	TOWELS AND WASHCLOTHS		
	Pennsylvania	24 970	N		United States	849 293	611 425
	South Carolina	1 095 669	N		Ohio	13 623	N
3133117	JOB OR COMMISSION FINISHING OF MANMADE FIBER AND SILK BROADWOVEN FABRICS			3141297	SHOWER BATH CURTAINS, COMFORTERS AND QUILTS, PILLOWS, BLANKETS, MATTRESS PROTECTORS, TABLE LINEN, AND SLIP COVERS		
	United States	1 160 036	1 282 120		United States	3 803 084	N
	California	19 574	26 074		Alabama	140 248	N
	Georgia	134 751	121 709		California	305 901	N
	New Jersey	219 777	224 327		Connecticut	10 472	N
	New York	17 265	24 051		Florida	71 361	N
	North Carolina	153 707	193 433		Georgia	378 934	N
	Pennsylvania	44 772	37 404		Illinois	147 924	N
	South Carolina	278 726	271 609		Indiana	103 514	N
3133119	FINISHED BROADWOVEN WOOL FABRICS AND FELTS (NOT FINISHED IN WEAVING MILL)				Kentucky	147 888	N
	United States	90 657	N		Massachusetts	33 714	N
3133201	VINYL COATED FABRICS, INCLUDING EXPANDED VINYL COATED				Minnesota	24 759	N
	United States	635 244	614 116		Mississippi	331 971	N
	Massachusetts	75 188	89 269		Nebraska	16 821	N
	New Jersey	87 180	37 061		New Jersey	113 645	N
	North Carolina	47 380	71 870		New York	158 314	N
	Ohio	151 467	102 290		North Carolina	682 748	N
	Pennsylvania	10 982	N		Ohio	71 985	N
3133203	RUBBER COATED FABRICS				Pennsylvania	261 021	N
	United States	162 685	N		South Carolina	311 611	N
	Massachusetts	16 953	N		Tennessee	41 100	N
					Texas	144 513	N
					Virginia	20 381	N
					Wisconsin	40 210	N

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		1997	1992			1997	1992
3149911	CORDAGE AND TWINE, HARD FIBER			3149999	FABRICATED TEXTILE PRODUCTS, NEC		
	United States	49 323	124 676		United States	3 265 358	N
	North Carolina	17 259	25 727		Alabama	90 608	N
3149913	CORDAGE AND TWINE, SOFT FIBER (EXCEPT COTTON)				Arizona	11 447	N
	United States	503 547	362 559		California	229 267	N
	California	13 941	24 088		Colorado	63 022	N
	Florida	4 150	N		Connecticut	22 171	N
	Massachusetts	22 509	13 999		Florida	76 827	N
	New York	23 796	9 708		Georgia	667 208	N
	North Carolina	12 082	23 780		Illinois	49 492	N
	Pennsylvania	63 312	23 177		Indiana	39 821	N
	Tennessee	7 540	N		Kansas	53 012	N
	Texas	8 637	N		Kentucky	389 067	N
	Utah	43 023	N		Maine	6 704	N
	Washington	50 275	38 539		Maryland	8 283	N
3149915	COTTON CORDAGE AND TWINE				Massachusetts	24 940	N
	United States	59 002	73 899		Michigan	79 832	N
3149991	RECOVERED FIBERS, PROCESSED MILL WASTE, AND RELATED PRODUCTS				Minnesota	13 407	N
	United States	436 925	292 964		Mississippi	31 093	N
	California	9 442	N		Missouri	52 529	N
	Georgia	12 333	22 087		Nebraska	3 983	N
	Massachusetts	68 338	43 033		New Jersey	77 674	N
	New York	7 971	15 035		New York	100 357	N
	South Carolina	219 198	96 363		North Carolina	140 287	N
	Tennessee	38 071	N		Ohio	93 388	N
3149993	PADDINGS AND UPHOLSTERY FILLING, BATTING, AND WADDING (EXCEPT FOAM RUBBER AND PLASTICS)			3151111	WOMEN'S, MISSES', AND GIRLS' FINISHED HOSIERY, SHEER, FULL-LENGTH, KNEE-LENGTH, AND BELOW THE KNEE		
	United States	562 674	534 982		United States	292 425	N
	Arkansas	7 508	N		Alabama	8 732	N
	California	58 892	45 403	3151113	WOMEN'S, MISSES', AND GIRLS' FINISHED PANTYHOSE, SHEER, INCLUDING TIGHTS, ALL NEEDLE		
	Indiana	11 164	22 644		United States	1 132 563	1 394 226
	Massachusetts	26 662	37 905		North Carolina	671 057	819 245
	Mississippi	41 775	28 095		South Carolina	225 192	N
	New York	20 925	41 435	3151115	SHEER HOSIERY (EXCEPT SOCKS) SHIPPED IN THE GREIGE		
	North Carolina	118 699	78 335		United States	91 169	84 628
	South Carolina	17 598	31 567		North Carolina	91 086	57 801
	Tennessee	18 962	62 517	3151191	MEN'S FINISHED SEAMLESS HOSIERY AND SOCKS, SIZES 10 AND UP		
	Texas	24 022	8 395		United States	1 300 278	1 134 698
3149995	EMBROIDERIES (EXCEPT SCHIFFLI MACHINE PRODUCTS)				Alabama	246 705	178 535
	United States	556 538	414 886		Georgia	50 623	96 994
	California	65 824	73 483		New York	13 276	N
	Florida	22 354	12 390		North Carolina	579 632	584 830
	Georgia	12 590	5 723		Tennessee	85 655	77 575
	Idaho	2 357	N		Virginia	23 069	N
	Illinois	25 452	N	3151193	ALL OTHER FINISHED HOSIERY, OTHER THAN SHEER		
	Indiana	34 160	N		United States	1 100 974	N
	Maryland	4 611	N		Alabama	184 947	N
	Massachusetts	6 493	N		North Carolina	704 479	N
	Michigan	8 908	N		Tennessee	81 333	N
	Minnesota	8 046	N	3151195	SEAMLESS HOSIERY SHIPPED IN THE GREIGE		
	Missouri	19 910	N		United States	224 767	229 472
	New Jersey	40 401	43 285		Alabama	46 399	36 659
	New York	27 520	52 236	3151197	OTHER TRIMMINGS AND FINDINGS		
	North Carolina	39 480	41 517		United States	263 810	N
	Ohio	36 704	49 216		California	11 801	N
	Oregon	3 508	N		Illinois	25 148	N
	Pennsylvania	19 138	14 193		Massachusetts	47 069	N
	South Carolina	14 193	N		New Jersey	46 272	N
	Texas	18 781	6 661		New York	38 071	N
	Utah	27 537	N		Ohio	2 255	N
	Virginia	5 975	N		Pennsylvania	14 744	N
	Washington	3 410	N		Texas	5 553	N
	Wisconsin	20 975	7 439	3151911	MEN'S AND JUNIOR BOYS' SWEATERS (FROM YARNS OR FROM FABRICS KNIT IN THE SAME ESTABLISHMENT)		
3149997	OTHER TRIMMINGS AND FINDINGS				United States	125 773	172 255
	United States	263 810	N		California	14 062	N
	California	11 801	N		New York	40 526	60 796
	Illinois	25 148	N				
	Massachusetts	47 069	N				
	New Jersey	46 272	N				
	New York	38 071	N				
	Ohio	2 255	N				
	Pennsylvania	14 744	N				
	Texas	5 553	N				

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		1997	1992			1997	1992
3151913	WOMEN'S, MISSES', AND JUNIORS' SWEATERS (FROM YARNS OR FROM FABRICS KNIT IN THE SAME ESTABLISHMENT) United States California New Jersey New York	370 325 56 559 58 017 193 410	301 578 27 792 N 169 952	3151927	WOMEN'S, MISSES', AND JUNIORS' KNIT BRASSIERES, GIRDLES, AND ALLIED GARMENTS United States 3152111 RECEIPTS FOR CONTRACT AND COMMISSION WORK ON MEN'S, JUNIOR BOYS', LITTLE BOYS', AND INFANTS' SUITS AND TAILORED COATS AND JACKETS United States Alabama California Georgia Massachusetts New Jersey New York Pennsylvania Washington	D N 317 987 28 785 16 202 55 873 8 811 8 339 10 556 32 976 2 576	N N N N N N N N
3151915	GIRLS', LITTLE BOYS', AND INFANTS' SWEATERS (FROM YARNS OR FROM FABRICS KNIT IN THE SAME ESTABLISHMENT) United States New York	41 709 19 039	25 783 18 283	3152113	RECEIPTS FOR CONTRACT AND COMMISSION WORK ON MEN'S, JUNIOR BOYS', LITTLE BOYS', AND INFANTS' SHIRTS (EXCEPT WORK SHIRTS) United States Alabama California Florida Hawaii Mississippi New Jersey New York North Carolina Pennsylvania South Carolina Tennessee	536 523 24 938 8 677 5 731 9 815 8 916 4 968 168 780 13 199 21 609 25 513	N N N N N N N N N N N
3151917	MEN'S AND JUNIOR BOYS' KNIT SHIRTS (FROM YARNS OR FROM FABRICS KNIT IN THE SAME ESTABLISHMENT) United States Alabama California North Carolina Pennsylvania Tennessee	1 657 225 269 205 45 642 650 781 59 455 23 909	1 449 207 N N 434 445 44 617 N	3152115	RECEIPTS FOR CONTRACT AND COMMISSION WORK ON MEN'S, JUNIOR BOYS', LITTLE BOYS', AND INFANTS' UNDERWEAR AND NIGHTWEAR United States California Florida South Carolina Tennessee Virginia	123 634 3 071 5 137 15 709 18 209	67 129 N N N 14 656
3151919	WOMEN'S, MISSES', AND JUNIORS' KNIT SHIRTS AND BLOUSES (FROM YARNS OR FROM FABRICS KNIT IN THE SAME ESTABLISHMENT) United States California North Carolina	203 213 50 123 77 422	179 154 19 228 N	3152117	RECEIPTS FOR CONTRACT AND COMMISSION WORK ON MEN'S, JUNIOR BOYS', LITTLE BOYS', AND INFANTS' TROUSERS AND SLACKS United States Alabama California Florida Georgia Mississippi North Carolina Pennsylvania South Carolina Tennessee Texas	425 485 57 276 55 760 12 007 44 575 28 515 25 841 29 699 11 042 46 577 29 923	N N N N N N N N N N N
315191A	GIRLS', LITTLE BOYS', AND INFANTS' KNIT SHIRTS AND BLOUSES (FROM YARNS OR FROM FABRICS KNIT IN THE SAME ESTABLISHMENT) United States	18 149	64 018	3152119	RECEIPTS FOR CONTRACT AND COMMISSION WORK ON MEN'S AND JUNIOR BOYS' WORK CLOTHING (EXCEPT JEANS AND JEAN-CUT CASUAL SLACKS) United States Florida Mississippi Missouri Pennsylvania Tennessee	72 466 21 637 5 970 3 793 2 194 8 812	N N N N N N
315191C	ALL OTHER KNIT OUTERWEAR PRODUCTS United States California New Jersey New York Pennsylvania Virginia	684 343 258 062 15 135 12 120 22 137 10 361	743 102 16 930 N 7 375 12 274 N	315211B	RECEIPTS FOR CONTRACT AND COMMISSION WORK ON MEN'S, JUNIOR BOYS', LITTLE BOYS', AND INFANTS' OUTERWEAR, NEC United States Alabama California Florida Georgia Kentucky New Jersey New York North Carolina	289 147 8 820 39 893 3 777 12 769 13 632 2 373 21 851 28 567	N N N N N N N N N
315191E	CONTRACT AND COMMISSION RECEIPTS FOR KNITTING ONLY OR KNITTING AND FINISHING OUTERWEAR United States California Florida New Jersey New York North Carolina Pennsylvania	251 542 42 443 10 567 28 382 131 924 2 881 10 020	411 242 44 842 24 991 26 845 137 336 45 156 11 782				
315191G	KNIT GLOVES AND MITTENS, INCLUDING FABRIC-AND-LEATHER COMBINATIONS (MADE IN KNITTING MILLS) United States North Carolina	89 166 43 144	N N				
3151921	MEN'S AND JUNIOR BOYS' KNIT UNDERWEAR AND NIGHTWEAR United States North Carolina	514 835 138 334	D 65 381				
3151923	WOMEN'S, MISSES', JUNIORS', GIRLS', LITTLE BOYS', AND INFANTS' KNIT UNDERWEAR AND NIGHTWEAR United States Georgia North Carolina Pennsylvania	258 514 10 886 142 720 43 085	405 198 N 173 369 55 570				

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U.S. Census Bureau, 1997 Economic Census Oct. 10, 2001

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		1997	1992			1997	1992
315212H	RECEIPTS FOR CONTRACT AND COMMISSION WORK ON WOMEN'S, MISSES', JUNIORS', AND GIRLS' EMBROIDERING (EXCEPT SCHIFFLI MACHINE) United States 51 876 N California 9 915 N Georgia 5 573 N New York 5 761 N North Carolina 4 388 N Pennsylvania 5 399 N			3152231	MEN'S, JUNIOR BOYS', AND LITTLE BOYS' KNIT SHIRTS, DRESS AND SPORT SHIRTS, INCLUDING POLO, TENNIS, SWEAT, TANK TOPS, AND T-SHIRTS United States 4 079 816 N Alabama 416 078 N California 542 925 N Florida 253 997 N Georgia 135 892 N Hawaii 7 326 N Kansas 10 310 N Kentucky 23 541 N Mississippi 75 546 N Missouri 13 966 N New York 63 069 N North Carolina 482 125 N Pennsylvania 215 378 N South Carolina 273 768 N Tennessee 179 098 N Virginia 406 007 N Wisconsin 6 287 N		
315212J	RECEIPTS FOR CONTRACT AND COMMISSION WORK ON HANDKERCHIEFS, GARTERS, GARTER BELTS, ACADEMIC CAPS AND GOWNS, COSTUMES, AND ECCLESIASTICAL VESTMENTS United States 23 851 N California 2 003 N			3152233	MEN'S, JUNIOR BOYS', AND LITTLE BOYS' WOVEN DRESS AND SPORT SHIRTS, INCLUDING MILITARY-TYPE UNIFORM SHIRTS United States 984 106 N Alabama 135 379 N California 90 868 N Georgia 163 073 N North Carolina 94 920 N South Carolina 5 869 N Tennessee 70 052 N Texas 44 232 N		
3152211	MEN'S, JUNIOR BOYS', AND LITTLE BOYS' UNDERWEAR United States 1 415 208 N Georgia 134 529 N Tennessee 76 856 N Virginia 67 333 N			3152241	MEN'S, JUNIOR BOYS', AND LITTLE BOYS' SEPARATE DRESS AND SPORT TROUSERS, PANTS, AND SLACKS, INCLUDING LITTLE BOYS' PLAY GARMENTS United States 2 796 681 N Alabama 108 446 N California 833 671 N Georgia 105 143 N Illinois 7 405 N Kentucky 24 160 N Maryland 19 130 N Massachusetts 33 027 N Mississippi 120 620 N New Jersey 8 169 N New York 78 130 N North Carolina 36 719 N Ohio 17 032 N Oklahoma 7 254 N Pennsylvania 114 319 N Tennessee 220 033 N Texas 565 973 N Virginia 51 141 N		
3152213	MEN'S, JUNIOR BOYS', AND LITTLE BOYS' NIGHTWEAR, INCLUDING PAJAMAS, NIGHT SHIRTS, ETC. (EXCEPT ROBES) United States 97 279 N New York 4 606 N Texas 12 895 N			3152243	MEN'S AND JUNIOR BOYS' JEANS, INCLUDING DUNGAREES AND JEAN-CUT CASUAL SLACKS United States 3 774 490 3 870 557 Arkansas 109 198 N California 688 224 N Kentucky 90 429 87 293 Mississippi 150 552 124 741 Missouri 44 645 13 876 Tennessee 194 521 367 474 Texas 1 149 022 987 231		
3152215	MEN'S, JUNIOR BOYS', AND LITTLE BOYS' ROBES United States 59 957 N North Carolina 41 746 N			3152251	MEN'S AND JUNIOR BOYS' WORK SHIRTS United States 481 142 392 242 California 54 679 5 655 Illinois 2 399 N Kentucky 61 767 19 560 Mississippi 67 673 112 152 North Carolina 16 387 N Tennessee 100 013 80 032		
3152221	MEN'S, JUNIOR BOYS', AND LITTLE BOYS' SUITS, INCLUDING UNIFORMS United States 880 870 N California 19 361 N Georgia 65 208 N Maryland 60 183 N Massachusetts 76 107 N Missouri 37 583 N New York 204 782 N Pennsylvania 138 538 N Tennessee 81 277 N Texas 20 500 N						
3152223	MEN'S AND JUNIOR BOYS' OVERCOATS, TOPCOATS, AND TAILORED CAR AND SUBURBAN COATS, INCLUDING UNIFORM AND WOOL WATER-REPELLENT, EXCLUDING RAINCOATS United States 89 822 53 424 Massachusetts 35 662 N New Jersey 4 165 N New York 7 302 N						
3152225	MEN'S AND JUNIOR BOYS' TAILORED DRESS AND SPORT COATS, INCLUDING UNIFORM AND SEPARATE LEISURE-TYPE, AND TAILORED VESTS United States 809 842 861 192 California 14 994 9 611 Florida 4 465 14 257 Georgia 107 025 50 558 Illinois 34 116 23 340 Maryland 17 505 30 481 Massachusetts 92 170 116 145 New York 124 043 176 305 Pennsylvania 157 215 118 679						
3152227	MEN'S, JUNIOR BOYS', AND LITTLE BOYS' RAINCOATS AND RAINCAPES United States 52 760 N Oregon 7 253 N						

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NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)		NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)	
		1997	1992			1997	1992
3152253	MEN'S AND JUNIOR BOYS' WORK CLOTHING (EXCEPT SHIRTS AND JEANS) AND WASHABLE SERVICE APPAREL, INCLUDING WORK PANTS, OVERALLS, AND WORK JACKETS			3152313	WOMEN'S, MISSES', JUNIORS', AND GIRLS' NIGHTWEAR, INCLUDING PAJAMAS AND GOWNS (EXCEPT ROBES)		
	United States	1 359 617	957 753		United States	522 806	N
	Alabama	27 181	85 414		California	31 519	N
	Arkansas	2 802	N		New Jersey	29 774	N
	California	68 371	27 172		New York	93 118	N
	Georgia	65 523	92 662		North Carolina	55 933	N
	Illinois	42 349	N		Pennsylvania	23 090	N
	Indiana	13 591	N		Texas	29 085	N
	Kentucky	239 707	135 427	3152315	WOMEN'S, MISSES', AND JUNIORS' BRASSIERES, INCLUDING MATERNITY, BRA-LETTES, AND BANDEAUX		
	Louisiana	4 617	N		United States	1 458 432	1 191 002
	Mississippi	229 043	147 796		California	41 615	N
	Missouri	37 319	39 717		Georgia	436 065	N
	New York	5 462	2 143		New Jersey	138 431	157 877
	Pennsylvania	2 697	N		New York	61 445	229 069
	Tennessee	200 318	144 920				
3152281	MEN'S, JUNIOR BOYS', AND LITTLE BOYS' HEAVY NONTAILORED OUTERWEAR COATS, JACKETS, AND VESTS, INCLUDING MACKINAWs, MELTONS, AND LUMBER JACKETS (EXCEPT SKI)				WOMEN'S, MISSES', AND JUNIORS' CORSETS, GIRDLES, COMBINATIONS, AND ACCESSORIES		
	United States	556 337	596 185		United States	349 606	N
	California	40 614	43 807		New York	73 029	N
	Illinois	5 314	N	3152319	WOMEN'S, MISSES', JUNIORS', AND GIRLS' ROBES AND DRESSING GOWNS		
	Mississippi	29 979	48 013		United States	230 611	N
	Missouri	38 842	55 092		California	49 880	N
	New York	7 612	41 204		New York	11 023	N
	Pennsylvania	10 752	N		North Carolina	77 951	N
	Tennessee	82 294	72 724		South Carolina	9 048	N
	Washington	10 409	25 701	3152321	WOMEN'S, MISSES', JUNIORS', AND GIRLS' KNIT SHIRTS AND BLOUSES, INCLUDING POLO, TENNIS, COWL, TANK, SWEAT, AND T-SHIRTS		
	Wisconsin	15 579	7 145		United States	2 243 507	N
3152283	MEN'S, JUNIOR BOYS', AND LITTLE BOYS' SHORTS, SWIMWEAR, SWEATERS AND OTHER OUTERWEAR				Arizona	7 199	N
	United States	1 354 929	N		California	824 333	N
	Alabama	38 637	N		Florida	89 947	N
	California	276 873	N		Georgia	56 340	N
	Florida	27 821	N		Hawaii	4 135	N
	Georgia	121 927	N		Illinois	4 573	N
	Indiana	3 538	N		Massachusetts	12 111	N
	Kansas	15 452	N		Mississippi	20 022	N
	Kentucky	49 817	N		Missouri	12 632	N
	Massachusetts	3 600	N		New Jersey	215 164	N
	Minnesota	7 097	N		New York	415 264	N
	Missouri	13 714	N		North Carolina	102 651	N
					Ohio	5 801	N
	New Jersey	40 029	N		Pennsylvania	75 240	N
	New York	94 972	N		South Carolina	39 473	N
	North Carolina	152 326	N		Tennessee	28 120	N
	Ohio	10 348	N		Texas	31 242	N
	Pennsylvania	21 463	N		Virginia	156 972	N
	South Carolina	17 423	N	3152323	WOMEN'S, MISSES', JUNIORS', AND GIRLS' WOVEN SHIRTS AND BLOUSES		
	Tennessee	81 818	N		United States	1 826 263	N
	Texas	40 614	N		California	925 942	N
	Washington	66 782	N		Florida	27 342	N
3152285	MEN'S, JUNIOR BOYS', AND LITTLE BOYS' WATERPROOF OUTERGARMENTS, INCLUDING SMOCKS, PLASTICS OR RUBBERIZED				Georgia	33 853	N
	United States	13 822	N		Hawaii	3 505	N
					Illinois	2 482	N
					New Jersey	71 246	N
					New York	488 177	N
					North Carolina	51 034	N
					Pennsylvania	108 819	N
					South Carolina	5 735	N
					Tennessee	10 475	N
					Texas	36 510	N
3152311	WOMEN'S, MISSES', JUNIORS', AND GIRLS' UNDERWEAR (EXCEPT BRASSIERES, CORSETS, AND GIRDLES)			3152341	WOMEN'S, MISSES', JUNIORS', AND GIRLS' COATS AND CAPES (EXCEPT FUR, LEATHER, DOWN- AND FEATHER-FILLED, AND RAINCOATS)		
	United States	1 193 903	N		United States	532 637	N
	California	69 466	N		California	59 102	N
	Florida	17 754	N		Massachusetts	96 837	N
	Georgia	120 088	N		New Jersey	68 368	N
	New Jersey	50 278	N		New York	216 985	N
	New York	26 293	N		Pennsylvania	19 528	N
	Pennsylvania	57 464	N		Texas	2 978	N
	South Carolina	3 443	N				
	Tennessee	14 950	N				
	Texas	57 143	N				

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		1997	1992			1997	1992
3152343	WOMEN'S, MISSES', JUNIORS', AND GIRLS' SUITS, PANTSUITS, AND MILITARY-TYPE UNIFORM JACKETS (EXCEPT SKI AND SNOW SUITS) United States California Florida New Jersey New York	352 249 48 183 15 515 8 061 175 274	343 180 45 270 32 802 N 195 873	3152397	WOMEN'S, MISSES', AND JUNIORS' SWEATERS, SHORTS, AND OTHER OUTERWEAR, AND GIRLS' SWEATERS—Con. Pennsylvania South Carolina Tennessee Texas Virginia Washington	94 165 17 965 35 899 78 231 43 023 42 746	N N N N N N
3152345	WOMEN'S, MISSES', JUNIORS', AND GIRLS' SKIRTS, TAILORED JACKETS, AND VESTS United States Alabama California Connecticut Florida Georgia Illinois Massachusetts New Jersey New York North Carolina	2 479 548 13 350 456 180 3 605 36 547 58 789 4 006 132 868 212 521 773 322 53 834	N N N N N N N N N N N	3152399	WOMEN'S, MISSES', JUNIORS', AND GIRLS' WATERPROOF OUTERGARMENTS, INCLUDING SMOCKS AND DRESS SHIELDS, PLASTICS OR RUBBERIZED United States 3152921 FUR COATS, CAPES, JACKETS, NECK PIECES, FUR LININGS, AND OTHER FUR GARMENTS, ACCESSORIES, AND TRIMMINGS United States New York	1 905 94 647 72 498	N N N
3152347	WOMEN'S, MISSES', JUNIORS', AND GIRLS' RAINCOATS AND RAINCAPES United States	19 563	N	3152925	LEATHER AND SHEEP-LINED CLOTHING United States	108 192	N
3152391	WOMEN'S, MISSES', AND JUNIORS' WASHABLE SERVICE APPAREL, INCLUDING APRONS, SMOCKS, HOOVERS, UNIFORMS FOR MAIDS, NURSES, ETC., AND HOSPITAL PATIENT WEAR United States Alabama California Missouri New York North Carolina	265 530 34 672 36 661 2 219 12 083 3 555	285 329 19 018 37 774 N 30 785 N	3152991	MEN'S AND JUNIOR BOYS' ATHLETIC UNIFORMS United States California New York Pennsylvania Tennessee Texas	206 515 11 221 8 002 8 559 50 536 19 394	N N N N N N
3152393	WOMEN'S, MISSES', AND JUNIORS' SWIMWEAR United States California Florida New York North Carolina	798 267 357 313 9 410 94 210 2 205	587 040 306 645 10 597 76 204 N	3152993	WOMEN'S, MISSES', AND JUNIORS' ATHLETIC UNIFORMS United States California Tennessee Texas	72 986 3 267 29 381 10 147	N N N N
3152395	WOMEN'S, MISSES', JUNIORS', AND GIRLS' SLACKS, INCLUDING JEANS AND JEAN-CUT CASUAL SLACKS United States California Florida Georgia Kentucky Massachusetts Mississippi New Jersey New York North Carolina Pennsylvania Texas Virginia Washington Wisconsin	4 675 267 1 458 414 64 282 128 478 72 268 78 707 132 337 264 583 593 896 52 341 162 655 624 556 67 074 2 481 2 396	N N N N N N N N N N N N N N N	3152995	APPAREL, NEC United States California Florida Massachusetts New Jersey New York Pennsylvania South Carolina Texas Virginia	410 785 67 065 19 534 2 721 9 425 90 757 13 895 59 244 5 059 20 545	N N N N N N N N N N
3152397	WOMEN'S, MISSES', AND JUNIORS' SWEATERS, SHORTS, AND OTHER OUTERWEAR, AND GIRLS' SWEATERS United States California Florida Georgia Illinois Kentucky Massachusetts Michigan New Jersey New York North Carolina Oregon	1 561 337 433 003 63 694 31 818 3 771 36 855 30 268 2 322 192 918 238 136 66 390 2 036	N N N N N N N N N N N N	3159911	HATS AND HAT BODIES, EXCEPT CLOTH AND MILLINERY United States Missouri New York Texas	174 249 37 781 13 215 64 710	178 615 33 444 6 818 57 585
				3159913	CLOTH HATS AND CAPS United States California Colorado Florida Georgia Kentucky Minnesota Missouri New Jersey New York North Carolina Pennsylvania Texas Virginia	526 969 45 917 24 942 9 318 20 397 10 768 9 400 108 685 11 218 108 721 5 917 17 169 41 674 11 913	493 406 16 071 N 7 425 24 981 9 348 N 138 415 N 88 473 9 178 10 743 27 458 26 745
				3159915	MILLINERY (WOMEN'S, MISSES', JUNIORS', GIRLS', LITTLE BOYS', AND INFANTS' TRIMMED HATS MADE FROM HAT BODIES OR OTHER MILLINERY MATERIALS)		

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NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)		NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)	
		1997	1992			1997	1992
3159915	MILLINERY (WOMEN'S, MISSES', JUNIORS', GIRLS', LITTLE BOYS', AND INFANTS' TRIMMED HATS MADE FROM HAT BODIES OR OTHER MILLINERY MATERIALS)—Con.			315999E	APPAREL FINDINGS AND TRIMMINGS (EXCEPT MEN'S AND JUNIOR BOYS' COAT, SUIT, AND TROUSER FINDINGS)		
	United States	102 084	99 913		United States	160 159	N
	California	3 681	9 310		California	25 170	N
	New Jersey	17 827	N		Florida	5 215	N
	New York	33 779	42 243		Maryland	10 997	N
	Pennsylvania	14 892	N		Massachusetts	14 843	N
	Texas	6 239	N		New Jersey	19 327	N
					New York	49 008	N
					North Carolina	6 291	N
					Pennsylvania	10 295	N
3159921	GLOVES AND MITTENS MADE FROM WOVEN OR PURCHASED KNIT FABRIC			315999G	CUSTOM-MADE GARMENTS		
	United States	310 970	204 747		United States	176 253	N
	Georgia	6 413	N		California	31 136	N
	Mississippi	56 377	40 545		Florida	4 289	N
	North Carolina	57 148	48 466		Georgia	5 530	N
	Pennsylvania	7 118	6 218		Illinois	8 812	N
	Wisconsin	3 061	N		Maryland	2 438	N
					Massachusetts	2 749	N
3159923	GLOVES AND MITTENS, LEATHER- AND-FABRIC COMBINATIONS				Michigan	3 279	N
	United States	29 764	27 315		Minnesota	2 242	N
	Mississippi	6 227	N		Missouri	2 560	N
					New Jersey	31 997	N
3159925	GLOVES AND MITTENS, ALL LEATHER				New York	26 193	N
	United States	90 291	N		Ohio	3 889	N
	Arkansas	18 899	N		Pennsylvania	4 193	N
	Illinois	19 834	N		Tennessee	2 165	N
	Wisconsin	10 184	N		Texas	14 610	N
					Virginia	2 299	N
3159991	WOMEN'S, MISSES', AND JUNIORS' SCARFS, DICKIES, AND OTHER NECKWEAR			3161101	FINISHED AND UNFINISHED LEATHER		
	United States	29 856	N		United States	3 205 197	2 632 038
	New York	7 550	N		California	58 144	72 363
	Pennsylvania	2 284	N		Illinois	108 621	93 691
					Indiana	27 077	N
					Massachusetts	71 874	106 891
					Michigan	436 998	265 205
					Mississippi	21 698	N
					Missouri	52 504	35 824
					Nebraska	230 864	266 867
					New Jersey	36 762	120 154
					New York	67 817	90 371
					North Carolina	128 740	142 808
					Ohio	18 522	17 248
					Pennsylvania	413 478	444 715
					Tennessee	9 049	49 614
					Texas	187 523	17 631
					Wisconsin	275 469	281 775
3159993	APRONS AND BIBS, PLASTICS AND RUBBERIZED			3161104	CONTRACT AND COMMISSION RECEIPTS FOR TANNING OR FINISHING LEATHER OWNED BY OTHERS		
	United States	34 579	N		United States	131 233	186 310
					New York	27 080	46 973
					Wisconsin	19 149	21 934
3159995	LEATHER BELTS			3161107	FURS, DRESSED AND DYED OR BLEACHED		
	United States	408 874	351 307		United States	19 875	25 595
	California	123 925	106 648		New York	8 755	18 609
	New York	59 905	58 192				
	Texas	27 601	24 868				
3159997	BELTS, OTHER THAN LEATHER			3162111	PROTECTIVE FOOTWEAR		
	United States	50 941	165 391		United States	265 161	234 871
	California	16 643	32 400				
	New York	18 862	75 699				
315999A	HOSE SUPPORTERS, ARM BANDS, SUSPENDERS, AND HANDKERCHIEFS			3162114	SHOES WITH SOLES VULCANIZED, MOLDED, OR CEMENTED TO FABRIC UPPERS, EXCLUDING SANDALS AND SLIPPERS		
	United States	53 624	N		United States	614 260	543 999
					California	32 114	N
					Florida	74 564	173 773
					Maine	137 905	N
					Missouri	11 532	35 548
315999C	FABRICATED TEXTILE PRODUCTS, NEC			3169991	ALL OTHER LEATHER GOODS, NEC		
	United States	711 936	N		United States	165 174	N
	California	18 458	N		Massachusetts	37 821	N
	Georgia	16 039	N		Missouri	9 125	N
	Illinois	2 851	N		Texas	3 651	N
	Iowa	9 822	N				
	Maryland	8 441	N				
	Massachusetts	33 735	N				
	Missouri	11 817	N				
	New Jersey	15 049	N				
	New York	73 171	N				
	North Carolina	23 750	N				
	Ohio	10 977	N				
	Pennsylvania	71 116	N				
	South Carolina	13 683	N				
	Tennessee	97 352	N				
	Wisconsin	2 320	N				

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		1997	1992			1997	1992
3169994	LEATHER GOODS, NEC			3211133	SOFTWOOD LUMBER, NOT EDGE WORKED, NOT MANUFACTURED FROM PURCHASED LUMBER—Con.		
	United States	574 335	N		Vermont	45 337	N
	Alabama	3 542	N		Virginia	234 115	N
	California	115 887	N		Washington	1 588 336	N
	Colorado	3 576	N		West Virginia	6 311	N
	Florida	5 004	N		Wisconsin	24 224	N
	Indiana	4 908	N		Wyoming	73 182	N
	Louisiana	4 234	N	3211135	WOOD CHIPS, EXCEPT FIELD CHIPS		
	Massachusetts	15 220	N		United States	2 593 967	2 596 693
	Missouri	10 795	N		Alabama	279 891	185 000
	New Hampshire	5 023	N		Arizona	2 440	4 231
	New Jersey	7 287	N		Arkansas	153 271	150 697
	New York	42 639	N		California	64 458	111 408
	Ohio	68 295	N		Florida	105 579	50 468
	Oklahoma	16 866	N		Georgia	305 966	179 255
	Oregon	6 225	N		Idaho	45 219	69 872
	Pennsylvania	9 773	N		Indiana	6 141	3 338
	Tennessee	33 563	N		Kentucky	14 788	12 113
	Texas	40 297	N		Louisiana	118 003	107 976
	Wisconsin	20 306	N		Maine	37 378	65 926
3211131	HARDWOOD LUMBER, NOT EDGE WORKED, NOT MANUFACTURED FROM PURCHASED LUMBER				Maryland	3 748	3 690
	United States	3 954 467	N		Michigan	8 943	9 541
	Alabama	119 324	N		Minnesota	13 819	13 175
	Arkansas	117 184	N		Mississippi	197 818	147 824
	California	2 233	N		Missouri	3 164	2 617
	Florida	17 967	N		Montana	37 627	62 039
	Georgia	90 951	N		New Hampshire	14 353	9 585
	Illinois	20 079	N		New York	7 605	9 142
	Indiana	119 004	N		North Carolina	180 623	99 519
	Iowa	40 918	N		Ohio	8 001	9 216
	Kentucky	250 762	N		Oklahoma	37 488	N
	Louisiana	64 139	N		Oregon	258 275	401 332
	Maine	24 234	N		Pennsylvania	25 104	11 664
	Maryland	31 959	N		South Carolina	139 477	170 881
	Massachusetts	10 558	N		South Dakota	5 391	3 894
	Michigan	122 807	N		Tennessee	16 856	16 205
	Minnesota	24 069	N		Texas	123 050	181 814
	Mississippi	207 447	N		Vermont	3 441	3 871
	Missouri	99 612	N		Virginia	39 304	39 361
	New Hampshire	31 584	N		Washington	274 836	372 330
	New York	286 644	N		West Virginia	20 231	10 195
	North Carolina	214 942	N		Wisconsin	26 459	23 283
	Ohio	176 102	N		Wyoming	2 957	2 975
	Oklahoma	9 464	N	3211137	WOOD TIES, SIDING, SHINGLES, AND SHAKES AND CONTRACT SAWING OF LOGS OWNED BY OTHERS		
	Oregon	67 943	N		United States	239 072	N
	Pennsylvania	403 610	N		Arkansas	20 601	N
	South Carolina	45 860	N		California	42 503	N
	Tennessee	264 456	N		Idaho	13 830	N
	Texas	51 292	N		Kentucky	5 083	N
	Vermont	55 871	N		Louisiana	5 372	N
	Virginia	234 335	N		Maine	3 010	N
	Washington	233 917	N		Minnesota	2 259	N
	West Virginia	291 561	N		Mississippi	4 347	N
	Wisconsin	181 704	N		Missouri	5 391	N
					North Carolina	2 204	N
3211133	SOFTWOOD LUMBER, NOT EDGE WORKED, NOT MANUFACTURED FROM PURCHASED LUMBER				Oregon	6 466	N
	United States	14 038 252	N		Pennsylvania	6 671	N
	Alabama	803 149	N		Tennessee	6 426	N
	Arizona	45 962	N		Texas	7 057	N
	Arkansas	817 759	N		Virginia	11 340	N
	California	1 704 769	N		Washington	54 651	N
	Colorado	35 359	N		Wisconsin	7 405	N
	Florida	244 798	N				
	Georgia	998 557	N				
	Idaho	806 608	N				
	Indiana	2 985	N				
	Kentucky	14 057	N				
	Louisiana	412 891	N				
	Maine	262 045	N				
	Maryland	29 220	N				
	Massachusetts	10 809	N				
	Michigan	24 857	N				
	Minnesota	46 066	N				
	Mississippi	915 476	N				
	Missouri	2 891	N				
	Montana	509 193	N				
	New Hampshire	110 054	N				
	New York	17 856	N				
	North Carolina	618 068	N				
	Ohio	5 406	N				
	Oklahoma	129 014	N				
	Oregon	2 415 671	N				
	Pennsylvania	9 254	N				
	South Carolina	532 022	N				
	Tennessee	7 301	N				
	Texas	424 550	N				
	Utah	13 867	N				
				3211141	WOOD POLES, PILES, AND POSTS OWNED AND TREATED BY THE SAME ESTABLISHMENT		
					United States	561 544	546 431
					Alabama	135 885	113 397
					Florida	20 597	15 716
					Georgia	63 039	48 882
					Idaho	21 445	17 120
					Kentucky	16 041	N
					Louisiana	14 348	N
					Mississippi	50 207	39 530
					Montana	4 932	4 382
					Oregon	32 278	24 575
					Pennsylvania	6 214	N
					South Carolina	43 091	28 665
					Virginia	20 363	14 610
					West Virginia	4 100	N

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		1997	1992			1997	1992
3211145	OTHER WOOD PRODUCTS OWNED AND TREATED BY THE SAME ESTABLISHMENT			3212121	SOFTWOOD VENEER, INCLUDING VENEER BACKED WITH PAPER, CLOTH, OR OTHER FLEXIBLE MATERIAL		
	United States	3 339 717	1 746 942		United States	754 456	609 467
	Alabama	360 283	150 052		Alabama	36 721	N
	Arkansas	146 820	82 562		Arkansas	12 627	N
	California	24 753	16 246		California	60 169	37 351
	Florida	212 210	62 645		Georgia	52 696	7 431
	Georgia	170 094	90 625		Idaho	31 398	N
	Illinois	43 786	43 850		Louisiana	33 950	N
	Indiana	124 217	39 815		Mississippi	28 866	N
	Kentucky	52 984	24 010		North Carolina	11 255	N
	Louisiana	94 863	20 869		Oregon	382 449	439 823
	Michigan	49 543	15 082		Texas	9 607	N
	Minnesota	21 995	N		Virginia	6 310	N
	Mississippi	101 424	50 420		Washington	80 165	24 772
	Missouri	51 889	30 787	3212123	SOFTWOOD PLYWOOD, ROUGH, INCLUDING TOUCH SANDED, INTERIOR AND EXTERIOR		
	North Carolina	186 197	125 258		United States	2 957 731	2 751 120
	Ohio	121 082	37 114		Alabama	256 470	214 083
	Oregon	57 753	19 599		Arkansas	297 382	268 479
	Pennsylvania	188 325	95 902		Louisiana	387 638	378 105
	South Carolina	259 440	148 161		Mississippi	244 971	N
	Tennessee	70 369	33 156		Oregon	589 805	576 749
	Texas	158 745	70 433		Texas	286 737	259 400
	Virginia	218 280	193 337		Washington	163 429	147 952
	Washington	191 012	109 088				
	West Virginia	67 400	56 490				
	Wisconsin	85 092	47 840				
3211149	CONTRACT WOOD PRESERVATION				SOFTWOOD PLYWOOD, SANDED, INTERIOR AND EXTERIOR		
	United States	125 584	127 735		United States	805 030	772 992
	Arkansas	11 774	N		Arkansas	66 461	46 128
	California	12 226	13 476		Louisiana	69 002	90 975
	Michigan	6 371	2 284		Oregon	297 617	284 948
	Oregon	14 726	13 487		Washington	13 100	75 098
	South Carolina	2 510	N	3212127	SOFTWOOD PLYWOOD SPECIALTIES		
	Texas	15 552	9 321		United States	440 591	458 007
	Washington	8 009	11 240		Oregon	115 987	149 050
3212111	HARDWOOD VENEER, INCLUDING VENEER BACKED WITH PAPER, CLOTH, OR OTHER FLEXIBLE MATERIAL				Washington	104 433	80 536
	United States	967 784	605 974				
	Alabama	40 732	33 910		SOFTWOOD PLYWOOD TYPE PRODUCTS		
	Georgia	22 486	30 345		United States	8 034	132 599
	Indiana	149 618	104 036				
	Kentucky	49 676	22 200	3212191	PARTICLEBOARD MADE FROM PARTICLEBOARD PRODUCED AT THIS LOCATION		
	Michigan	95 307	53 751		United States	1 270 675	948 492
	North Carolina	113 413	80 138		California	69 773	49 715
	Pennsylvania	75 071	25 189		Georgia	87 059	68 406
	South Carolina	20 303	10 042		North Carolina	49 662	34 863
	Virginia	54 069	34 680		Oregon	373 016	284 175
	Wisconsin	96 376	78 609		Virginia	87 214	78 803
3212113	HARDWOOD PLYWOOD, EXCEPT PREFINISHED HARDWOOD PLYWOOD MADE FROM PURCHASED HARDWOOD PLYWOOD				WAFERBOARD AND ORIENTED STRANDBOARD		
	United States	1 178 478	678 467		United States	1 249 636	1 131 599
	California	29 343	76 806		Georgia	138 328	N
	Mississippi	23 690	N		Maine	59 610	101 361
	North Carolina	191 468	114 312		Minnesota	184 934	275 474
	Oregon	323 556	173 307		North Carolina	109 833	N
	South Carolina	69 241	N		Texas	136 281	N
	Virginia	127 744	84 813	3212192	MEDIUM DENSITY FIBERBOARD (MDF) MADE FROM MDF PRODUCED AT THIS LOCATION		
	Wisconsin	58 564	35 355		United States	454 350	383 429
3212115	PREFINISHED HARDWOOD PLYWOOD MADE FROM PURCHASED HARDWOOD PLYWOOD				South Carolina	83 889	70 688
	United States	153 347	178 358				
	Indiana	30 130	N		HARDBOARD MADE FROM HARDBOARD PRODUCED AT THIS LOCATION		
	North Carolina	4 527	4 888		United States	945 403	683 397
3212117	HARDWOOD PLYWOOD TYPE PRODUCTS				North Carolina	146 539	N
	United States	215 480	478 153		Oregon	124 776	82 639
	Indiana	64 567	58 425	3212195	CELLULOSIC FIBERBOARD (INSULATING BOARD)		
	North Carolina	17 082	64 291		United States	140 535	104 301
	Oregon	12 173	121 311				
	Wisconsin	5 710	23 526		HARDBOARD MADE FROM PURCHASED HARDBOARD		

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NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)		NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)	
		1997	1992			1997	1992
3212197	HARDBOARD MADE FROM PURCHASED HARDBOARD—Con.			3219117	WOOD PANEL, FLUSH, AND MOLDED FACE DOORS, INTERIOR AND EXTERIOR, INCLUDING DOORS WITH GLAZED SECTIONS—Con.		
	United States	207 125	175 853				
	California	3 346	N		Kansas	15 122	N
	Illinois	14 691	23 721		Louisiana	5 030	6 247
	Indiana	23 779	10 532		Massachusetts	15 360	11 903
3212198	PREFINISHED PARTICLEBOARD AND MEDIUM DENSITY FIBERBOARD (MDF) MADE FROM PURCHASED PARTICLEBOARD AND MDF						
	United States	678 788	443 498				
	California	96 679	41 644		Michigan	73 858	86 343
	Indiana	34 103	18 213		Minnesota	17 220	7 316
	Michigan	41 973	18 334		Missouri	10 581	15 733
	North Carolina	49 949	63 030		New Mexico	3 687	N
	Oregon	82 718	52 095		New York	18 467	31 895
	Texas	24 324	19 183		North Carolina	35 516	40 107
	Washington	58 208			Ohio	25 756	28 267
	Wisconsin	65 576	N		Oregon	80 623	93 500
					Pennsylvania	99 431	62 359
					South Carolina	17 744	14 090
	3219111	WOOD WINDOW UNITS			3219119	OTHER WOOD DOORS, INCLUDING GARAGE, BIFOLD, PATIO, CABINET, SCREEN, STORM, AND LOUVER	
United States		2 568 504	2 393 830	United States		1 339 481	970 859
California		38 529	21 793	Alabama		45 120	25 499
Colorado		4 834	21 066	Arizona		7 979	7 247
Georgia		63 753	N	California		125 505	76 410
Massachusetts		8 048	14 671	Colorado		8 525	5 373
Michigan		28 812	48 004	Florida		23 626	15 621
Missouri		21 706	N	Georgia		15 777	13 899
New York		6 976	15 993	Idaho		14 492	N
North Carolina		32 888	12 182	Illinois		26 596	21 055
Ohio		54 864	104 726	Indiana		55 368	54 678
Pennsylvania		15 922	N	Kentucky		9 066	5 329
3219113		WOOD SASH, EXCLUDING SASH SHIPPED IN WINDOW UNITS					Massachusetts
	United States	137 073	134 229		Michigan	9 643	24 047
	California	11 012	2 854		Mississippi	8 607	N
	Georgia	7 279	N		Missouri	4 916	N
	North Carolina	8 568	N		Nebraska	6 307	N
	Oregon	22 411	N		New Jersey	10 453	N
	Wisconsin	16 153	12 457		New York	6 343	12 713
					North Carolina	23 873	7 485
					Ohio	38 492	41 990
					Oklahoma	5 281	N
					Oregon	60 964	37 130
					Pennsylvania	77 201	38 064
	3219115	WOOD WINDOW AND DOOR FRAMES, INCLUDING DOOR FRAMES SHIPPED IN DOOR UNITS, EXCLUDING WINDOW FRAMES SHIPPED IN WINDOW UNITS			3219121	HARDWOOD LUMBER, NOT EDGE WORKED, MANUFACTURED FROM PURCHASED LUMBER AND EDGE WORKED	
United States		462 800	462 937	United States		884 650	N
Arizona		4 112	5 431	Alabama		3 937	N
California		76 012	81 628	Arkansas		15 788	N
Colorado		2 257	N	California		13 182	N
Florida		2 485	2 652	Georgia		18 876	N
Georgia		6 443	N	Indiana		47 766	N
Indiana		6 864	N	Kentucky		38 540	N
Massachusetts		2 349	4 897	Michigan		51 889	N
Minnesota		6 869	10 972	Minnesota		10 631	N
North Carolina		25 401	N	Mississippi		27 539	N
Ohio		4 358	N	Missouri		11 143	N
						North Carolina	35 101
3219117	WOOD PANEL, FLUSH, AND MOLDED FACE DOORS, INTERIOR AND EXTERIOR, INCLUDING DOORS WITH GLAZED SECTIONS				Ohio	63 096	N
	United States	2 044 489	1 590 749		Oregon	2 394	N
	Alabama	108 475	67 977		Pennsylvania	154 683	N
	Arizona	30 780	29 107		South Carolina	4 072	N
	California	177 388	104 780		Tennessee	24 129	N
	Colorado	10 387	7 760		Texas	13 191	N
	Connecticut	2 276	N		Virginia	37 426	N
	Florida	60 315	42 274		Washington	20 543	N
	Georgia	18 609	24 540		West Virginia	50 443	N
	Illinois	12 849	23 962		Wisconsin	131 646	N
	Indiana	141 027	100 363	3219123	SOFTWOOD LUMBER, NOT EDGE WORKED, MANUFACTURED FROM PURCHASED LUMBER AND EDGE WORKED		
	Iowa	110 936	36 187		United States	1 738 525	N
					Alabama	130 995	N
			Arkansas		31 576	N	
			California		134 257	N	
			Florida		70 532	N	
			Georgia		103 317	N	
			Idaho		277 240	N	
			Maine		33 260	N	

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		1997	1992			1997	1992
3219123	SOFTWOOD LUMBER, NOT EDGE WORKED, MANUFACTURED FROM PURCHASED LUMBER AND EDGE WORKED—Con.			3219181	WOOD MOLDINGS, EXCEPT PREFINISHED MOLDINGS MADE FROM PURCHASED MOLDINGS, INCLUDING MOLDINGS COVERED WITH METAL, PLASTICS, ETC.—Con.		
	Minnesota	6 322	N		Nebraska	3 857	2 259
	Mississippi	74 545	N		New Hampshire	4 478	N
	Montana	39 995	N		New Jersey	3 894	N
	New Hampshire	17 232	N		New Mexico	47 945	47 338
	North Carolina	51 399	N		New York	13 382	6 081
	Ohio	7 624	N		North Carolina	46 242	43 983
	Oregon	179 298	N		Ohio	19 171	35 816
	South Carolina	18 843	N		Oklahoma	8 244	N
	Tennessee	36 082	N		Oregon	146 186	127 173
	Texas	121 653	N		Pennsylvania	34 841	17 412
	Utah	47 527	N		South Carolina	12 673	9 320
	Virginia	90 253	N		Tennessee	3 149	8 930
	Washington	15 547	N		Texas	102 043	94 546
	Wisconsin				Utah	4 915	2 356
3219125	HARDWOOD CUT STOCK AND DIMENSION			3219183	PREFINISHED WOOD MOLDINGS MADE FROM PURCHASED MOLDINGS, INCLUDING MOLDINGS COVERED WITH METAL, PLASTICS, ETC.		
	United States	1 218 113	845 149		United States	64 823	152 015
	Alabama	7 170	5 877		Florida	2 232	6 094
	Arkansas	34 469	10 151		Indiana	9 871	N
	California	74 971	8 319		North Carolina	3 119	N
	Illinois	12 914	10 879		Ohio	4 152	N
	Indiana	115 918	113 750		Pennsylvania	6 273	N
	Kentucky	84 539	61 883	3219185	OTHER WOOD MILLWORK PRODUCTS, INCLUDING STAIRWORK, EXTERIOR MILLWORK, AND SOFTWOOD FLOORING		
	Maine	15 305	19 454		United States	1 157 870	N
	Michigan	17 579	21 023		Alabama	69 819	N
	Mississippi	3 416	33 473		Arizona	21 319	N
	Missouri	22 400	18 494		Arkansas	16 933	N
	New York	43 070	39 622		California	112 857	N
	North Carolina	135 681	103 684		Colorado	20 029	N
	Ohio	60 713	42 226		Connecticut	18 888	N
	Pennsylvania	128 880	84 078		Florida	23 683	N
	South Carolina	18 110	15 876		Georgia	80 937	N
	Tennessee	93 131	93 121		Illinois	54 450	N
	Texas	11 105	3 170		Indiana	23 742	N
	Vermont	11 759	10 522		Kentucky	26 470	N
	Virginia	37 198	22 722		Maryland	34 315	N
	Washington	56 974	18 689		Massachusetts	6 447	N
	West Virginia	54 549	N		Michigan	11 022	N
	Wisconsin	40 019	18 575		Minnesota	24 432	N
3219127	SOFTWOOD CUT STOCK AND DIMENSION				Missouri	5 029	N
	United States	985 470	N		Nevada	2 384	N
	California	131 878	N		New Hampshire	10 047	N
	Idaho	63 599	N		New Jersey	22 100	N
	Michigan	5 778	N		New Mexico	8 046	N
	New York	2 087	N		New York	44 494	N
	North Carolina	27 949	N		North Carolina	65 037	N
	Oregon	341 710	N		Ohio	88 179	N
	South Dakota	5 548	N		Oklahoma	7 930	N
	Tennessee	16 176	N		Oregon	56 368	N
	Texas	53 007	N		Pennsylvania	30 074	N
	Washington	169 356	N		South Carolina	11 394	N
3219129	SAWN WOOD FENCE STOCK, WOOD LATH, AND CONTRACT RESAWING AND PLANING				Tennessee	17 701	N
	United States	135 572	N		Texas	61 158	N
	California	22 389	N		Utah	3 122	N
	Florida	2 505	N		Virginia	87 743	N
	Maine	2 170	N		Washington	16 486	N
	Michigan	2 976	N		Wisconsin	28 135	N
	Montana	9 272	N				
	North Carolina	10 663	N				
	Oregon	18 123	N				
	Texas	7 286	N				
	Washington	13 713	N				
	West Virginia	7 886	N				
	Wisconsin	3 868	N				
3219181	WOOD MOLDINGS, EXCEPT PREFINISHED MOLDINGS MADE FROM PURCHASED MOLDINGS, INCLUDING MOLDINGS COVERED WITH METAL, PLASTICS, ETC.			3219187	HARDWOOD FLOORING		
	United States	1 504 625	1 194 825		United States	1 215 573	659 368
	Alabama	19 180	2 655		Arkansas	96 439	87 731
	Arizona	31 934	22 870		California	3 985	N
	California	362 518	366 720		Georgia	29 458	N
	Colorado	10 238	7 009		Kentucky	41 001	17 901
	Florida	10 692	17 243		Michigan	41 228	N
	Georgia	77 102	4 438		Mississippi	36 750	N
	Illinois	24 771	16 882		Missouri	125 316	91 967
	Indiana	126 080	39 547		New York	2 283	N
	Massachusetts	2 017	N		North Carolina	51 604	N
	Michigan	28 030	20 500		Ohio	7 772	N
	Minnesota	17 130	13 403		Pennsylvania	34 242	25 553
	Mississippi	5 657	N		Tennessee	405 863	215 169
	Missouri	5 065	4 113	3219201	NAILED AND LOCK-CORNER WOOD BOXES		
					Virginia	90 649	54 279
					Wisconsin	45 268	N

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		1997	1992			1997	1992
3219201	NAILED AND LOCK-CORNER WOOD BOXES—Con.			3219207	WOOD CONTAINER PARTS AND WOOD CONTAINERS, NEC		
	United States	195 944	136 754		United States	546 122	N
	Alabama	2 331	2 669		Arkansas	8 856	N
	Arizona	2 191	N		California	58 390	N
	Arkansas	3 945	N		Florida	23 756	N
	California	61 348	50 214		Georgia	37 537	N
	Connecticut	3 463	N		Illinois	9 371	N
	Florida	2 244	N		Indiana	4 601	N
	Georgia	3 256	N		Kentucky	81 264	N
	Massachusetts	6 374	6 136		Maine	6 042	N
	Michigan	15 766	8 473		Massachusetts	19 379	N
	New Jersey	4 172	2 055		Michigan	4 091	N
	New York	9 033	5 400		Minnesota	22 146	N
	North Carolina	7 764	N		Missouri	68 826	N
	Ohio	7 725	5 995		New York	14 422	N
	Pennsylvania	7 577	2 591		North Carolina	21 158	N
	Tennessee	5 906	6 995		Ohio	27 285	N
	Texas	7 814	4 703		Oregon	3 094	N
	Washington	8 680	N		Pennsylvania	6 249	N
	Wisconsin	10 508	N		South Carolina	3 738	N
					Tennessee	19 272	N
					Texas	15 049	N
					Virginia	6 665	N
					Wisconsin	23 929	N
3219203	WOOD BOX AND CRATE SHOOK			3219911	MANUFACTURED HOMES (MOBILE HOMES)		
	United States	173 159	230 722		United States	9 651 119	3 920 654
	Arkansas	2 225	N		Alabama	985 636	337 181
	California	46 132	83 188		Arizona	293 858	102 206
	Florida	7 667	N		California	312 114	191 440
	Illinois	7 041	6 395		Florida	417 179	N
	Kansas	3 793	N		Georgia	1 217 298	397 945
	Massachusetts	4 624	2 046		Idaho	178 846	N
	Michigan	7 362	10 335		Indiana	1 135 298	448 106
	North Carolina	14 425	9 112		Kansas	108 949	44 100
	Ohio	9 024	6 611		Minnesota	114 169	N
	Oklahoma	2 098	5 568		Mississippi	318 124	N
	Oregon	6 381	8 648		Nebraska	159 194	67 242
	Pennsylvania	9 419	14 216		North Carolina	958 587	377 032
	Texas	5 494	9 187		Ohio	105 602	N
	Washington	14 026	15 413		Oregon	439 661	N
	Wisconsin	8 026	7 921		Pennsylvania	446 264	253 861
3219205	WOOD AND METAL COMBINATION AND WOOD PALLETS AND PALLET CONTAINERS				Tennessee	649 537	N
	United States	3 092 738	N	3219915	NONRESIDENTIAL MOBILE BUILDINGS		
	Alabama	81 262	N		United States	349 800	162 541
	Arizona	27 397	N		California	86 758	N
	Arkansas	67 356	N		Florida	28 941	12 918
	California	304 388	N		Georgia	43 288	21 171
	Colorado	18 277	N		Indiana	46 757	41 691
	Connecticut	18 174	N		Texas	35 918	N
	Florida	63 255	N	3219921	COMPONENTS FOR PREFABRICATED STATIONARY WOOD BUILDINGS (NOT SOLD AS COMPLETE UNITS)		
	Georgia	107 249	N		United States	230 146	270 911
	Idaho	6 659	N		Alabama	11 973	4 707
	Illinois	122 909	N		Georgia	4 978	N
	Indiana	133 098	N		Illinois	17 607	14 591
	Iowa	65 924	N		Indiana	5 778	N
	Kansas	21 567	N		Kentucky	8 346	5 759
	Kentucky	90 907	N		Michigan	13 565	5 102
	Louisiana	28 724	N		Minnesota	7 388	2 275
	Maine	15 695	N		Pennsylvania	3 588	6 936
	Maryland	25 246	N		Tennessee	3 377	N
	Massachusetts	43 320	N		Texas	9 773	5 153
	Michigan	147 027	N		Virginia	22 789	5 380
	Minnesota	46 812	N		Washington	18 871	5 459
	Mississippi	58 699	N	3219923	PRECUT PACKAGES FOR PREFABRICATED STATIONARY WOOD BUILDINGS (COMPLETE UNITS)		
	Missouri	87 330	N		United States	596 241	406 096
	Montana	2 981	N		California	27 882	27 055
	Nebraska	19 974	N		Maine	11 964	13 260
	Nevada	5 185	N		Michigan	58 588	20 700
	New Hampshire	12 467	N		Missouri	5 650	9 993
	New Jersey	41 920	N		Montana	32 935	9 548
	New York	98 240	N		New York	14 846	10 244
	North Carolina	141 071	N		North Carolina	6 136	3 462
	Ohio	199 950	N		Oregon	8 290	N
	Oklahoma	13 884	N		Pennsylvania	49 603	24 115
	Oregon	36 898	N		Tennessee	53 358	32 581
	Pennsylvania	198 913	N		Virginia	8 647	N
	Rhode Island	11 501	N		Washington	4 112	2 309
	South Carolina	39 711	N		Wisconsin	26 761	N
	Tennessee	73 047	N				
	Texas	224 006	N				
	Utah	17 071	N				
	Vermont	4 829	N				
	Virginia	122 495	N				
	Washington	45 794	N				
	West Virginia	39 538	N				
	Wisconsin	154 721	N				

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		1997	1992			1997	1992
3219925	PREFABRICATED STATIONARY WOOD BUILDINGS SHIPPED IN PANEL FORM (COMPLETE UNITS)			3221213	UNCOATED FREESHEET PAPER (CONTAINING NOT MORE THAN 10 PERCENT MECHANICAL FIBER)—Con.		
	United States	442 965	339 546		Washington	565 790	538 364
	Illinois	15 273	42 146		Wisconsin	1 809 000	1 131 828
	Minnesota	7 971	N	3221215	BLEACHED BRISTOLS, EXCLUDING COTTON FIBER INDEX AND BOGUS (WEIGHT MORE THAN 150 GRAMS PER SQ METER)		
	New York	31 959	18 775		United States	1 230 728	1 153 677
	Ohio	20 180	5 428		Massachusetts	3 989	N
	Texas	2 959	N		New Hampshire	22 565	N
	Wisconsin	137 130	61 750		Wisconsin	91 316	84 745
3219927	PREFABRICATED STATIONARY WOOD BUILDINGS SHIPPED IN THREE-DIMENSIONAL ASSEMBLIES			3221217	COTTON FIBER PAPER (CONTAINING 25 PERCENT OR MORE COTTON OR SIMILAR FIBERS) AND THIN PAPER		
	United States	1 178 019	821 976		United States	762 448	804 562
	Alabama	15 540	N		Massachusetts	295 876	287 679
	California	75 446	12 218		Wisconsin	77 860	194 027
	Idaho	16 029	N	3221219	UNBLEACHED KRAFT (NOT LESS THAN 80 PERCENT) PACKAGING AND INDUSTRIAL CONVERTING PAPER		
	Illinois	17 755	N		United States	1 292 969	1 299 177
	Indiana	83 741	48 904		Louisiana	204 914	N
	Kansas	21 745	N	322121A	PACKAGING AND INDUSTRIAL CONVERTING PAPER, EXCEPT UNBLEACHED KRAFT		
	Louisiana	6 329	N		United States	1 098 365	950 888
	New Hampshire	36 784	19 296		Michigan	308 261	N
	New York	46 120	30 259		Washington	104 872	133 970
3221101	SPECIAL ALPHA AND DISSOLVING WOODPULP (SULFITE AND SULFATE FOR CHEMICAL CONVERSION, PAPERMAKING, AND OTHER USES)				Wisconsin	228 147	217 765
	North Carolina	47 294	N	322121C	SPECIAL INDUSTRIAL PAPER, EXCEPT SPECIALTY PACKAGING, INCLUDING ABSORBENT, BATTERY SEPARATOR, ELECTRICAL PAPERS, ETC.		
	Oregon	15 883	N		United States	1 843 513	1 478 724
	Pennsylvania	254 134	257 678		Massachusetts	308 913	245 939
	Texas	45 204	21 701		Michigan	153 371	180 822
	Virginia	85 583	51 854		New Hampshire	109 063	125 336
	Washington	4 131	5 459		New York	251 876	173 918
	Wisconsin	89 070	80 983		Wisconsin	366 591	316 358
3221103	SULFATE WOODPULP, INCLUDING SODA			322121E	CONSTRUCTION PAPER		
	United States	4 638 302	4 411 596		United States	D	158 962
	Alabama	655 315	719 035	322121G	TISSUE PAPER AND OTHER MACHINE-CREPED PAPER		
	Florida	418 709	365 036		United States	2 364 687	5 024 700
	Georgia	741 147	709 281		Michigan	42 890	N
	Maine	241 721	187 535		New Hampshire	34 337	38 615
	Mississippi	423 813	408 142		New York	157 566	339 308
	South Carolina	332 572	322 063		North Carolina	10 373	N
3221105	SULFITE AND OTHER WOODPULP				Wisconsin	512 520	984 053
	United States	251 393	280 448	322121J	SANITARY NAPKINS AND TAMPONS (MADE IN PAPER MILLS)		
	Washington	92 252	170 725		United States	D	N
3221107	PULP, OTHER THAN WOOD, AND PULP MILL BYPRODUCTS, NEC			322121L	DISPOSABLE DIAPERS (USUALLY CONTAINING PULP OR CELLULOSE FIBERS), AND SIMILAR DISPOSABLE PRODUCTS (MADE IN PAPER MILLS)		
	United States	639 187	490 345		United States	1 707 020	N
	Alabama	17 996	3 191	322121N	SANITARY TISSUE PAPER PRODUCTS (MADE IN PAPER MILLS)		
	Arkansas	4 495	3 134		United States	9 293 076	N
	Florida	8 345	5 989		New York	396 972	N
	Georgia	23 106	31 831		Washington	704 830	N
	Louisiana	8 470	4 548		Wisconsin	1 668 507	N
3221211	CLAY-COATED PRINTING AND CONVERTING PAPER			3221221	NEWSPRINT		
	United States	8 452 880	7 360 722		United States	3 712 495	2 924 869
	Maine	1 976 886	1 500 844		Washington	710 877	469 784
	Michigan	1 089 656	936 957				
	Minnesota	1 006 382	819 050				
	New York	333 415	282 681				
3221213	UNCOATED FREESHEET PAPER (CONTAINING NOT MORE THAN 10 PERCENT MECHANICAL FIBER)						
	United States	11 633 314	8 693 189				
	Alabama	1 515 920	763 183				
	Maine	438 089	488 696				
	Massachusetts	138 033	145 259				
	Michigan	182 665	286 468				
	New Hampshire	226 387	N				
	New York	626 195	555 516				
3221213	UNCOATED FREESHEET PAPER (CONTAINING NOT MORE THAN 10 PERCENT MECHANICAL FIBER)			3221221	NEWSPRINT		
	United States	11 633 314	8 693 189		United States	3 712 495	2 924 869
	Alabama	1 515 920	763 183		Washington	710 877	469 784
	Maine	438 089	488 696				
	Massachusetts	138 033	145 259				
	Michigan	182 665	286 468				
	New Hampshire	226 387	N				
	New York	626 195	555 516				

Table 2. **Product Class Shipments for Selected States: 1997 and 1992—Con.**

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2 of the Industry Series reports. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 1997. For meaning of abbreviations and symbols, see introductory text. For explanations of terms, see appendixes]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)		NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)	
		1997	1992			1997	1992
3221223	UNCOATED GROUNDWOOD PAPER (CONTAINING MORE THAN 10 PERCENT MECHANICAL FIBER) United States Maine Michigan Minnesota	1 333 500 430 618 93 391 269 583	972 107 319 311 N N	3222143	FIBER CANS, TUBES, AND SIMILAR FIBER PRODUCTS—Con. Ohio Pennsylvania Texas Wisconsin	151 674 59 525 91 207 120 046	127 661 41 896 54 012 93 447
3221301	UNBLEACHED KRAFT PACKAGING AND INDUSTRIAL CONVERTING PAPERBOARD (80 PERCENT OR MORE VIRGIN WOODPULP) United States Alabama Florida Georgia Louisiana Oregon	7 443 912 930 522 618 543 1 199 083 1 089 855 628 068	7 438 633 991 478 703 725 1 123 369 1 111 239 591 347	3222151	MILK AND MILK-TYPE PAPERBOARD CARTONS, INCLUDING JUICE, BEVERAGE, AND OTHER PRODUCTS United States 3222153	672 333 1 132 893	677 955 1 113 479
3221303	BLEACHED PACKAGING AND INDUSTRIAL CONVERTING PAPERBOARD (80 PERCENT OR MORE VIRGIN BLEACHED WOODPULP) United States Alabama Arkansas Georgia	3 971 630 488 354 716 852 573 330	3 341 916 457 929 626 291 553 826	3222155	CUPS AND LIQUID-TIGHT PAPER AND PAPERBOARD CONTAINERS United States California Illinois Pennsylvania	87 353 232 148 88 847	66 210 140 977 78 160
3221305	SEMICHEMICAL PAPERBOARD, INCLUDING CORRUGATING MEDIUM (75 PERCENT OR MORE VIRGIN WOODPULP) United States Louisiana	815 423 163 029	1 216 603 192 149	3222211	OTHER SANITARY PAPER AND PAPERBOARD FOOD CONTAINERS, BOARDS, AND TRAYS, NEC, EXCEPT FOLDING United States Michigan Wisconsin	651 125 55 024 59 112	617 720 53 521 58 829
3221307	SINGLE-WEB PAPER, COATED ROLLS AND SHEETS, INCLUDING WAXED, FOR FLEXIBLE PACKAGING USES United States California Illinois Indiana Michigan New Jersey Ohio Pennsylvania Wisconsin	981 949 21 231 31 247 56 072 82 863 22 673 34 796 13 465 127 816	820 481 14 483 33 049 N 59 620 27 334 52 701 16 307 231 211	3222213	RECYCLED PAPERBOARD United States Alabama California Connecticut Georgia Illinois Indiana Kentucky Massachusetts Michigan New Jersey New York North Carolina Ohio Pennsylvania South Carolina Tennessee Texas Virginia Washington Wisconsin	4 261 131 234 661 640 538 238 606 252 501 142 879 238 774 203 284 159 471 478 822 152 882 211 406 56 924 361 022 276 492 186 187 173 699 139 649 518 020 195 183 192 196	N 569 435 156 446 N 123 202 264 275 N N 423 150 95 082 115 639 56 590 341 915 250 726 N 156 620 103 760 291 274 N 160 464
3221309	WET MACHINE BOARD, INCLUDING BINDERS' BOARD AND SHOE BOARD United States 3222141	86 373 374 327	81 384 373 934	3222221	MULTIWEB LAMINATED ROLLS AND SHEETS, EXCEPT FOIL AND FILM-FILM, FOR FLEXIBLE PACKAGING USES United States California Illinois New Jersey Wisconsin	461 466 3 660 30 736 15 067 45 233	N N N N N
3222143	PAPERBOARD FIBER DRUMS WITH ENDS OF ANY MATERIAL United States Georgia Illinois New Jersey New York Pennsylvania	25 244 41 383 54 616 42 674 31 296 25 244	N N N 21 086 N	3222223	PRINTING PAPER, COATED AT ESTABLISHMENTS OTHER THAN WHERE PAPER WAS PRODUCED United States California New York Pennsylvania Wisconsin	498 250 85 030 28 767 53 692 114 425	244 777 4 068 N N 100 243
	FIBER CANS, TUBES, AND SIMILAR FIBER PRODUCTS United States Alabama Arkansas California Florida Georgia Illinois Kentucky Louisiana Massachusetts Michigan New Jersey New York North Carolina	1 657 352 60 565 23 043 69 892 58 731 112 632 34 845 21 246 15 963 58 369 19 359 39 593 29 462 103 215	1 290 836 27 306 13 002 57 953 51 838 90 258 71 972 13 505 N 38 615 18 375 57 519 66 350 58 875	3222225	GUMMED PRODUCTS United States Ohio 3222225	249 377 21 641 7 118 564	242 619 N 4 784 013
	PRESSURE-SENSITIVE PRODUCTS United States California Florida Illinois Kansas Maryland Massachusetts Michigan Missouri New Jersey New York North Carolina Ohio Pennsylvania South Carolina Tennessee Virginia Wisconsin	172 394 24 215 577 883 34 583 6 619 478 747 137 718 148 258 222 025 190 444 196 924 854 604 402 866 273 687 53 802 85 434 282 372	182 342 N 519 187 N N 141 063 129 414 49 518 186 543 156 260 N 506 600 365 625 N 38 179 N 200 744				

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NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)		NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)	
		1997	1992			1997	1992
3222226	WALLCOVERINGS			3222313	PAPER SUPPLIES FOR BUSINESS MACHINES AND OTHER MISCELLANEOUS UNPRINTED PAPER OFFICE SUPPLIES, NEC—Con.		
	United States	456 830	460 874		United States	853 149	422 895
	Florida	7 725	5 865		Arizona	10 805	N
	Illinois	3 752	7 929		California	54 694	46 001
	Indiana	26 354	N		Massachusetts	115 339	25 375
3222227	GIFT WRAP PAPER			3222331	STATIONERY		
	United States	412 009	602 185		United States	214 646	333 307
	Tennessee	246 108	225 994		California	23 581	31 783
3222229	OTHER COATED AND PROCESSED PAPERS, NEC, EXCEPT FOR PACKAGING USES			3222333	TABLETS, PADS, AND RELATED PRODUCTS		
	United States	2 025 694	1 530 036		United States	1 226 382	809 361
	California	56 846	34 387		California	42 753	41 899
	Illinois	97 366	76 178		Indiana	6 156	N
	Indiana	24 643	N		Massachusetts	115 803	53 953
	Massachusetts	263 952	184 615		Missouri	96 325	N
	Ohio	141 349	96 230		New Jersey	17 327	18 127
	Rhode Island	75 433	20 386		New York	30 209	41 453
	South Carolina	21 940	N		North Carolina	32 735	N
					Pennsylvania	101 208	79 331
3222231	SPECIALTY BAGS, POUCHES, AND LINERS, COATED SINGLE-WEB PAPER			3222911	SANITARY NAPKINS AND TAMPONS (NOT MADE IN PAPER MILLS)		
	United States	143 081	226 235		United States	1 504 634	N
	New Jersey	9 765	N	3222913	DISPOSABLE DIAPERS (USUALLY CONTAINING PULP OR CELLULOSE FIBERS) AND SIMILAR DISPOSABLE PRODUCTS (NOT MADE IN PAPER MILLS)		
3222233	SPECIALTY BAGS, POUCHES, AND LINERS, MULTIWEB LAMINATIONS AND FOIL, EXCEPT FILM-FILM				United States	4 209 954	N
	United States	399 077	N		New Jersey	39 369	N
	California	16 360	N	3222915	SANITARY TISSUE PAPER PRODUCTS (NOT MADE IN PAPER MILLS)		
	Illinois	44 442	N		United States	1 648 240	N
	New Jersey	26 866	N		Arizona	65 792	N
3222241	UNCOATED SINGLE-WEB PAPER GROCERS' BAGS AND SACKS AND VARIETY AND SHOPPING BAGS			3222991	MOLDED PULP GOODS, INCLUDING EGG CARTONS, FLORIST POTS, FOOD TRAYS, ETC.		
	United States	1 010 846	1 128 288		United States	466 042	354 360
	California	42 342	48 674		Indiana	37 053	N
	New Jersey	125 558	90 162	3222993	OTHER CONVERTED PAPER AND PAPERBOARD PRODUCTS, NEC		
	New York	67 206	78 066		United States	2 647 945	N
	Ohio	5 172	N		Alabama	29 688	N
	Oregon	27 819	43 390		California	216 241	N
	Texas	80 206	93 015		Connecticut	61 864	N
	Wisconsin	40 710	N		Florida	37 776	N
3222243	SHIPPING SACKS AND MULTIWALL BAGS, ALL MATERIALS EXCEPT TEXTILES				Georgia	270 354	N
	United States	1 538 505	1 464 521		Illinois	131 644	N
	Arkansas	273 389	263 930		Indiana	88 334	N
	Georgia	118 100	109 507		Iowa	8 103	N
	Illinois	71 272	97 213		Kentucky	28 724	N
	Missouri	118 756	107 989		Maryland	11 766	N
	Tennessee	76 071	N		Massachusetts	179 840	N
	Virginia	9 217	N		Michigan	140 317	N
	Washington	63 159	N		Minnesota	40 207	N
	Wisconsin	2 535	N		Missouri	31 730	N
3222311	DIE-CUT PAPER AND PAPERBOARD OFFICE SUPPLIES				Nevada	6 056	N
	United States	1 192 411	903 770		New Jersey	105 161	N
	Arkansas	4 834	N		New York	73 542	N
	California	100 638	119 781		North Carolina	59 856	N
	Illinois	149 799	90 596		Ohio	125 809	N
	Maryland	2 465	6 650		Pennsylvania	268 062	N
	Massachusetts	101 209	N				
	Michigan	11 129	N				
	Minnesota	74 469	70 029				
	Mississippi	35 777	N				
3222313	PAPER SUPPLIES FOR BUSINESS MACHINES AND OTHER MISCELLANEOUS UNPRINTED PAPER OFFICE SUPPLIES, NEC						
	United States	1 192 411	903 770				
	Arkansas	4 834	N				
	California	100 638	119 781				
	Illinois	149 799	90 596				
	Maryland	2 465	6 650				
	Massachusetts	101 209	N				
	Michigan	11 129	N				
	Minnesota	74 469	70 029				
	Mississippi	35 777	N				

Table 2. **Product Class Shipments for Selected States: 1997 and 1992—Con.**

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NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)		NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)	
		1997	1992			1997	1992
3222993	OTHER CONVERTED PAPER AND PAPERBOARD PRODUCTS, NEC—Con.			3231103	LABEL AND WRAPPER PRINTING (LITHOGRAPHIC) (OFFSET)—Con.		
	Rhode Island	5 856	N		Texas	53 267	42 558
	South Carolina	34 433	N		Utah	2 188	3 029
	Tennessee	56 395	N		Virginia	25 064	31 758
	Texas	43 283	N		Washington	5 694	41 510
	Utah	7 553	N		Wisconsin	90 486	46 606
	Virginia	65 310	N				
	Washington	82 005	N				
	Wisconsin	283 117	N				
	3231101	MAGAZINE AND PERIODICAL PRINTING (LITHOGRAPHIC) (OFFSET)				3231105	CATALOG AND DIRECTORY PRINTING (LITHOGRAPHIC) (OFFSET)
United States		5 232 685	4 643 410	United States	5 063 520		3 963 868
Alabama		25 370	41 484	Alabama	94 021		56 928
Arizona		22 144	13 980	Arizona	7 064		41 629
Arkansas		56 078	N	Arkansas	78 096		52 267
California		400 351	328 069	California	385 045		446 727
Colorado		55 473	33 827	Colorado	194 849		115 543
Connecticut		28 815	24 087	Connecticut	100 866		97 080
District of Columbia		22 238	15 804	Florida	98 479		156 801
Florida		234 681	175 457	Georgia	231 795		167 796
Georgia	132 626	105 001	Illinois	550 607	474 295		
Hawaii	11 792	N	Indiana	37 953	72 031		
			Iowa	90 120	46 375		
			Kansas	84 943	19 989		
			Kentucky	64 544	59 586		
			Louisiana	6 085	4 024		
			Maryland	56 707	49 854		
			Massachusetts	56 602	57 183		
			Michigan	67 122	76 087		
			Minnesota	400 177	182 135		
			Mississippi	44 062	N		
			Missouri	116 236	83 515		
			Montana	2 392	2 082		
			Nebraska	52 972	N		
			Nevada	23 661	N		
			New Hampshire	7 591	9 025		
			New Jersey	68 250	47 331		
			New York	187 725	127 965		
			North Carolina	45 135	26 268		
			Ohio	207 050	194 938		
			Oklahoma	10 945	56 081		
			Oregon	101 233	108 302		
			Pennsylvania	573 207	364 085		
			Rhode Island	8 189	17 866		
			South Carolina	7 965	5 238		
			South Dakota	7 351	4 903		
			Tennessee	142 684	49 764		
			Texas	102 343	186 832		
			Utah	7 191	3 255		
			Vermont	2 434	5 428		
			Virginia	64 245	44 880		
			Washington	16 153	23 656		
			Wisconsin	546 543	238 784		
3231103	LABEL AND WRAPPER PRINTING (LITHOGRAPHIC) (OFFSET)			3231107	FINANCIAL AND LEGAL PRINTING (LITHOGRAPHIC) (OFFSET)		
	United States	1 940 329	1 539 256		United States	2 613 461	1 775 814
	Alabama	4 504	17 910		Alabama	6 746	6 004
	Arizona	18 457	2 494		Arizona	23 033	18 676
	Arkansas	16 890	3 241		Arkansas	5 409	N
	California	175 385	170 069		California	323 352	266 072
	Colorado	5 755	2 247		Colorado	18 511	18 542
	Connecticut	15 904	5 195		Connecticut	35 566	23 429
	Florida	41 918	16 934		Florida	18 926	15 091
	Georgia	9 812	19 596		Georgia	101 849	37 132
Illinois	220 727	225 138	Illinois	134 488	154 400		
Indiana	38 800	60 018	Indiana	20 713	36 745		
			Iowa	21 042	14 959		
			Kansas	75 046	34 983		
			Kentucky	20 656	16 705		
			Louisiana	3 735	4 522		
			Maine	5 092	N		
			Maryland	104 659	46 786		
			Massachusetts	216 059	128 581		
			Michigan	56 649	41 964		
			Minnesota	81 397	59 302		
			Missouri	30 702	37 360		
			Nebraska	8 765	7 535		
			New Hampshire	11 634	7 298		
			New Jersey	228 909	58 501		
			New York	237 664	192 941		
			North Carolina	59 949	23 552		
			Ohio	66 358	63 259		
			Oklahoma	4 897	8 959		
			Oregon	20 203	25 684		
			Pennsylvania	200 287	174 946		
			Rhode Island	8 379	3 291		
			South Carolina	2 816	2 590		
			Tennessee	31 937	28 854		
			Texas	282 604	111 274		
			Utah	11 704	13 869		
			Virginia	31 134	30 797		
			Washington	60 796	17 035		
			West Virginia	5 355	3 035		
			Wisconsin	23 995	21 257		

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NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)		NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)	
		1997	1992			1997	1992
3231109	ADVERTISING PRINTING (LITHOGRAPHIC) (OFFSET)			323110B	OTHER GENERAL JOB PRINTING, NEC (LITHOGRAPHIC) (OFFSET)—Con.		
	United States	14 989 698	13 218 922		Pennsylvania	516 668	N
	Alabama	89 658	71 139		Rhode Island	25 358	N
	Alaska	5 966	3 739		South Carolina	47 055	N
	Arizona	135 582	90 208		South Dakota	9 290	N
	Arkansas	35 252	37 438		Tennessee	160 771	N
	California	1 879 716	1 585 304		Texas	596 360	N
	Colorado	112 606	137 922		Utah	41 301	N
	Connecticut	459 844	298 319		Vermont	36 961	N
	Delaware	9 160	11 945		Virginia	328 320	N
	District of Columbia	14 592	14 613		Washington	180 833	N
	Florida	297 799	238 128		West Virginia	38 998	N
	Georgia	374 736	300 966		Wisconsin	260 398	N
	Hawaii	26 094	22 459		Wyoming	3 033	N
	Idaho	16 237	11 949	3231111	MAGAZINE AND PERIODICAL PRINTING (GRAVURE)		
	Illinois	1 587 616	1 455 602		United States	780 767	551 058
	Indiana	309 599	222 621		Illinois	201 273	127 911
	Iowa	147 464	112 293		Tennessee	174 855	98 389
	Kansas	387 813	370 155				
	Kentucky	204 008	118 813				
	Louisiana	61 909	55 800				
	Maine	46 111	34 278				
	Maryland	309 131	254 366		LABEL AND WRAPPER PRINTING (GRAVURE)		
	Massachusetts	411 623	373 826		United States	736 982	535 056
	Michigan	665 891	698 262		California	14 153	N
	Minnesota	887 520	624 260		Michigan	27 621	32 351
	Mississippi	14 851	22 828		New Jersey	20 007	11 247
	Missouri	303 774	391 958		North Carolina	7 043	N
	Montana	8 751	15 932		Ohio	82 739	69 493
	Nebraska	69 180	42 246		Texas	2 140	N
	Nevada	46 887	15 508		Wisconsin	81 265	17 837
	New Hampshire	78 326	35 092				
	New Jersey	790 540	923 498		CATALOG AND DIRECTORY PRINTING (GRAVURE)		
	New Mexico	6 544	12 957		United States	837 823	883 148
	New York	746 690	753 836				
	North Carolina	445 890	380 255				
	North Dakota	8 948	11 106				
	Ohio	784 901	685 695		ADVERTISING PRINTING (GRAVURE)		
	Oklahoma	107 809	136 360		United States	702 355	930 344
	Oregon	214 734	193 599		California	10 603	8 013
	Pennsylvania	961 134	854 826		Pennsylvania	49 491	N
	Rhode Island	22 404	33 440				
	South Carolina	36 321	57 255	3231119	OTHER GENERAL JOB PRINTING, NEC (GRAVURE)		
	South Dakota	8 621	10 103		United States	556 474	N
	Tennessee	188 820	191 752		New Jersey	27 128	N
	Texas	637 040	512 063		New York	7 925	N
	Utah	56 739	43 430				
	Vermont	20 756	23 208				
	Virginia	317 914	227 200				
	Washington	140 802	120 287				
	West Virginia	6 052	5 107				
	Wisconsin	484 456	371 030				
	Wyoming	4 887	3 946				
323110B	OTHER GENERAL JOB PRINTING, NEC (LITHOGRAPHIC) (OFFSET)			3231121	LABEL AND WRAPPER PRINTING (FLEXOGRAPHIC)		
	United States	10 088 528	N		United States	3 532 321	2 066 349
	Alabama	57 975	N		Alabama	41 908	10 417
	Alaska	2 813	N		Arizona	16 660	8 971
	Arizona	96 595	N		Arkansas	13 404	14 115
	Arkansas	47 546	N		California	253 511	160 892
	California	793 685	N		Colorado	32 602	18 940
	Colorado	98 748	N		Connecticut	34 834	34 179
	Connecticut	108 413	N		Florida	132 583	43 492
	Delaware	8 128	N		Georgia	135 949	65 239
	District of Columbia	15 332	N		Illinois	241 312	148 101
	Florida	289 579	N		Indiana	169 845	87 634
	Georgia	227 339	N		Iowa	16 843	6 277
	Hawaii	16 650	N		Kansas	123 702	55 069
	Idaho	17 161	N		Kentucky	49 924	23 673
	Illinois	669 661	N		Louisiana	43 056	N
	Indiana	302 859	N		Maryland	19 548	18 075
	Iowa	196 159	N		Massachusetts	56 253	62 321
	Kansas	65 809	N		Michigan	114 691	75 658
	Kentucky	168 153	N		Minnesota	161 965	64 703
	Louisiana	37 652	N		Missouri	104 893	56 555
	Maine	29 368	N		Nebraska	98 502	67 337
	Maryland	219 150	N		New Hampshire	55 925	16 095
	Massachusetts	239 880	N		New Jersey	125 041	67 785
	Michigan	354 392	N		New York	170 892	104 887
	Minnesota	621 613	N		North Carolina	136 523	103 347
	Mississippi	25 012	N		Ohio	337 868	277 209
	Missouri	255 566	N		Oklahoma	3 929	N
	Montana	9 848	N		Oregon	62 448	6 944
	Nebraska	65 041	N		Pennsylvania	174 427	106 482
	Nevada	24 763	N		Rhode Island	5 936	3 085
	New Hampshire	60 155	N		South Carolina	7 543	18 879
	New Jersey	538 756	N		Tennessee	127 804	71 913
	New Mexico	19 966	N		Texas	108 293	49 178
	New York	1 282 986	N		Utah	19 637	N
	North Carolina	212 271	N		Virginia	33 858	11 867
	North Dakota	9 190	N		Washington	26 343	7 823
	Ohio	537 508	N		Wisconsin	232 447	133 074
	Oklahoma	32 591	N				
	Oregon	84 869	N				

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		1997	1992			1997	1992
3231123	FLEXOGRAPHIC PRINTING, NEC (EXCLUDING LABELS AND WRAPPERS)			3231133	SCREEN PRINTING ON GARMENTS, APPAREL ACCESSORIES, AND OTHER FABRIC ARTICLES—Con.		
	United States	725 630	N		North Carolina	174 859	N
	California	110 074	N		Ohio	143 939	N
	Georgia	11 418	N		Oklahoma	5 307	N
	Illinois	81 568	N		Oregon	16 456	N
	Indiana	9 095	N		Pennsylvania	40 212	N
	Michigan	21 356	N		Rhode Island	43 121	N
	Missouri	12 850	N		South Carolina	39 282	N
	New Jersey	7 120	N		Tennessee	94 242	N
	New York	5 627	N		Texas	61 883	N
	North Carolina	15 454	N		Utah	20 194	N
	Ohio	17 840	N		Vermont	4 136	N
	Pennsylvania	38 568	N		Virginia	37 131	N
	Rhode Island	11 769	N		Washington	28 300	N
	Texas	46 593	N		Wisconsin	80 326	N
	Virginia	7 471	N		Wyoming	2 252	N
3231131	SCREEN PRINTING, EXCEPT ON TEXTILES			3231161	UNIT SET FORMS, LOOSE OR BOUND		
	United States	2 779 259	N		United States	1 594 840	1 363 479
	Alabama	18 414	N		Alabama	11 286	N
	Arizona	15 091	N		Arizona	14 461	10 089
	Arkansas	3 044	N		California	131 995	111 556
	California	325 392	N		Colorado	13 701	9 472
	Colorado	34 204	N		Connecticut	18 319	15 650
	Connecticut	60 321	N		Florida	23 541	25 155
	Florida	83 843	N		Georgia	85 383	38 534
	Georgia	52 968	N		Illinois	144 651	120 224
	Idaho	2 561	N		Indiana	59 462	49 426
	Illinois	142 421	N		Iowa	97 831	9 545
	Indiana	49 185	N		Kansas	103 929	45 996
	Iowa	58 265	N		Maryland	4 220	11 833
	Kansas	124 248	N		Massachusetts	15 269	17 153
	Kentucky	46 425	N		Michigan	30 645	23 196
	Louisiana	6 268	N		Minnesota	20 570	20 427
	Maryland	20 587	N		Mississippi	3 403	N
	Massachusetts	74 586	N		Missouri	83 470	59 925
	Michigan	83 210	N		Nevada	2 583	N
	Minnesota	225 343	N		New Jersey	21 883	23 233
	Mississippi	9 355	N		New York	49 455	51 773
	Missouri	43 795	N	3231163	MANIFOLD BOOKS AND PEGBOARD ACCOUNTING SYSTEMS		
	Nebraska	17 698	N		United States	160 355	330 534
	Nevada	11 958	N		California	33 384	44 709
	New Hampshire	9 563	N		Georgia	3 429	24 784
	New Jersey	130 469	N		Illinois	19 233	N
	New York	112 537	N		New Jersey	4 109	4 227
	North Carolina	61 808	N		Ohio	10 621	31 510
	North Dakota	3 219	N		Pennsylvania	2 924	3 557
	Ohio	210 326	N		Texas	6 522	12 603
	Oklahoma	39 908	N	3231165	CUSTOM CONTINUOUS BUSINESS FORMS		
	Oregon	13 250	N		United States	2 523 101	2 647 581
	Pennsylvania	87 400	N		Arizona	47 379	18 049
	Rhode Island	2 173	N		California	215 266	212 188
	South Carolina	39 911	N		Colorado	21 657	22 244
	South Dakota	9 116	N		Connecticut	42 259	38 874
	Tennessee	84 773	N		Florida	50 468	47 599
	Texas	128 642	N		Georgia	34 100	80 219
	Utah	21 341	N		Illinois	149 932	198 641
	Virginia	12 912	N		Indiana	62 386	74 327
	Washington	28 687	N		Iowa	89 059	119 409
	Wisconsin	244 965	N		Kansas	84 951	90 176
3231133	SCREEN PRINTING ON GARMENTS, APPAREL ACCESSORIES, AND OTHER FABRIC ARTICLES				Kentucky	11 316	36 210
	United States	2 551 895	N		Maryland	75 310	56 965
	Alabama	14 015	N		Massachusetts	22 775	14 642
	Arizona	23 609	N		Michigan	63 413	57 831
	Arkansas	5 659	N		Minnesota	50 868	49 056
	California	485 767	N		Missouri	53 145	45 236
	Colorado	29 202	N		New Hampshire	40 915	N
	Connecticut	3 149	N		New Jersey	20 154	44 750
	Florida	185 659	N		New York	68 086	89 893
	Georgia	18 655	N		North Carolina	15 004	39 838
	Hawaii	23 821	N		Ohio	219 218	166 795
	Idaho	3 421	N		Oregon	37 858	58 475
	Illinois	45 230	N		Pennsylvania	178 015	193 565
	Iowa	31 894	N		South Carolina	69 383	45 228
	Kansas	101 597	N		Tennessee	33 456	50 055
	Kentucky	22 299	N		Texas	176 398	173 248
	Louisiana	9 700	N		Vermont	110 831	111 333
	Maine	5 497	N		Virginia	69 716	54 161
	Maryland	32 194	N		Washington	27 907	11 668
	Massachusetts	87 627	N				
	Michigan	48 096	N				
	Minnesota	46 073	N				
	Mississippi	4 052	N				
	Missouri	51 216	N				
	Nebraska	5 952	N				
	Nevada	11 511	N				
	New Jersey	61 956	N				
	New Mexico	5 304	N				
	New York	153 891	N				

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		1997	1992			1997	1992
3231165	CUSTOM CONTINUOUS BUSINESS FORMS—Con.			3231175	RELIGIOUS BOOK PRINTING AND BINDING		
	Wisconsin	48 462	95 785		United States	339 078	206 998
3231167	STOCK CONTINUOUS BUSINESS FORMS				Illinois	17 380	12 049
	United States	1 065 457	1 590 806		Michigan	26 582	21 500
	California	145 665	130 603		New York	3 696	N
	Illinois	103 558	126 445		Ohio	20 166	N
	Iowa	12 680	78 037	3231177	GENERAL BOOK (TRADE, ETC.) PRINTING AND BINDING		
	Kansas	3 247	N		United States	1 316 352	1 125 713
	Minnesota	13 697	N		California	24 598	62 206
	Missouri	54 085	69 801		Florida	15 490	N
	New York	2 868	7 619		Illinois	37 332	6 408
	Ohio	7 761	21 701		Kansas	6 415	N
	Pennsylvania	246 204	307 299		Kentucky	70 476	N
	Texas	77 041	137 431		Maryland	22 024	27 648
3231169	CHECKBOOKS (INCLUDING INSERTS AND REFILLS, BUT EXCLUDING THOSE IN CONTINUOUS FORM AND DIE-CUT)				Massachusetts	33 837	9 641
	United States	1 618 640	1 677 577		Michigan	55 301	66 825
	Alabama	37 650	N		Minnesota	17 317	N
	California	144 783	196 921		Missouri	28 403	N
	Connecticut	28 741	28 285		New York	91 152	75 654
	Florida	45 899	91 366	3231179	OTHER BOOK PRINTING AND BINDING, NEC		
	Georgia	77 159	48 993		United States	901 400	729 351
	Illinois	77 189	N		California	72 195	6 059
	Missouri	19 410	N		Colorado	2 841	3 264
	New York	75 714	48 707		Florida	13 219	6 879
	North Carolina	80 531	45 786		Illinois	38 882	9 870
	Ohio	27 399	N		Iowa	2 567	13 219
	Pennsylvania	102 583	79 889		Maryland	58 888	N
	Tennessee	32 117	44 688		Massachusetts	18 139	60 490
	Texas	194 776	137 873		Michigan	37 593	N
	Utah	30 640	N		Minnesota	11 930	2 832
	Wisconsin	19 297	32 973		Missouri	124 715	N
3231171	TEXTBOOK PRINTING AND BINDING				New Jersey	6 020	N
	United States	999 809	683 748		New York	22 400	9 068
	California	9 620	20 093		Ohio	44 458	23 716
	Colorado	2 038	2 981		Pennsylvania	62 116	85 731
	Florida	4 371	N		Tennessee	68 505	N
	Illinois	33 286	22 606		Texas	19 973	N
	Iowa	47 090	N		Virginia	30 042	5 552
	Maryland	18 286	6 276	323117A	BOOKS, PRINTING ONLY, NOT BOUND		
	Massachusetts	38 294	38 238		United States	114 774	137 225
	Michigan	48 307	35 977		California	8 568	8 524
	Minnesota	5 270	N		Illinois	13 978	9 061
	New Hampshire	2 036	N		Maryland	5 627	2 746
	New York	42 865	34 347		Michigan	26 584	2 053
	Ohio	140 257	76 897		Minnesota	2 548	2 531
	Pennsylvania	18 269	10 099		New York	6 819	4 039
	Tennessee	58 435	N		Pennsylvania	5 635	19 946
	Virginia	26 128	N		Texas	8 034	2 438
	Wisconsin	158 984	110 120		Virginia	5 326	3 696
3231173	TECHNICAL, SCIENTIFIC, AND PROFESSIONAL BOOK PRINTING AND BINDING			323117C	PAMPHLET PRINTING AND BINDING OR PRINTING ONLY (EXCLUDING ADVERTISING PAMPHLETS)		
	United States	946 619	1 014 861		United States	471 886	308 321
	California	101 642	79 966		Alabama	3 819	2 305
	Colorado	23 953	18 328		Arizona	2 610	N
	Florida	5 422	9 677		California	36 638	27 893
	Illinois	18 040	12 162		Colorado	2 912	2 628
	Indiana	39 769	N		Connecticut	2 699	3 127
	Kansas	2 954	3 231		Florida	10 728	7 209
	Maryland	46 169	33 243		Georgia	9 462	4 495
	Massachusetts	116 604	105 831		Illinois	67 226	42 679
	Michigan	82 624	87 760		Indiana	5 318	13 115
	Minnesota	22 940	7 997		Iowa	3 210	2 148
	Missouri	7 691	17 347		Kansas	5 679	3 010
	New Jersey	11 095	9 509		Kentucky	5 680	N
	New York	34 186	28 841		Maryland	21 721	20 177
	North Carolina	8 191	N		Massachusetts	22 762	10 956
	Ohio	25 832	38 279		Michigan	6 950	6 266
	Oregon	44 527	114 252		Minnesota	13 532	12 229
	Pennsylvania	76 508	91 266		Missouri	13 671	9 768
	Tennessee	30 468	N		Nebraska	2 159	N
	Texas	53 044	42 192		New Jersey	10 831	12 335
	Utah	4 577	22 908		New York	34 813	29 411
	Virginia	35 408	40 571				
	Washington	44 860	N				
	Wisconsin	29 846	14 209				

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		1997	1992			1997	1992
323117C	PAMPHLET PRINTING AND BINDING OR PRINTING ONLY (EXCLUDING ADVERTISING PAMPHLETS)—Con.			3231199	ADVERTISING PRINTING (LETTERPRESS)—Con.		
	United States				United States	244 225	332 103
	Ohio	17 719	8 985		Alabama	8 357	N
	Pennsylvania	13 935	6 025		Arizona	9 537	N
	Tennessee	3 454	5 621		Arkansas	8 231	2 089
	Texas	15 901	4 674		California	27 134	14 809
	Utah	3 813	16 225		Florida	16 591	21 272
	Vermont	2 152	N		Georgia	9 489	N
	Virginia	12 371	8 039		Illinois	10 945	45 089
	Washington	2 906	N		Indiana	2 191	3 198
	Wisconsin	6 760	9 467		Kentucky	4 354	3 434
					Louisiana	3 441	N
3231181	BLANKBOOK MAKING, EXCEPT CHECKBOOKS				Maryland	3 755	6 756
	United States	475 826	404 711		Michigan	4 176	11 744
	Illinois	20 676	N		Minnesota	2 999	12 627
	Minnesota	64 399	N		New Jersey	20 443	3 238
	New York	48 524	55 297		New York	6 874	61 733
	Ohio	21 838	N		North Carolina	2 393	3 247
	Texas	7 912	N		Ohio	10 533	11 973
3231183	LOOSELEAF BINDERS, DEVICES, AND FORMS, INCLUDING THOSE USED FOR TIME PLANNERS-ORGANIZERS, APPOINTMENT BOOKS, PHOTO ALBUMS, SCRAP BOOKS, ETC.			323119B	OTHER GENERAL JOB PRINTING (LETTERPRESS)		
	United States	1 638 364	1 104 404		United States	925 571	N
	Arizona	13 173	N		Alabama	5 539	N
	California	205 252	228 103		Arizona	8 259	N
	Colorado	3 993	2 806		Arkansas	9 318	N
	Georgia	18 590	11 874		California	59 711	N
	Illinois	239 420	116 444		Colorado	7 315	N
	Indiana	43 836	33 461		Connecticut	30 637	N
	Maryland	18 467	26 714		Florida	18 544	N
	Massachusetts	96 395	35 060		Georgia	13 448	N
	Michigan	82 386	51 756		Idaho	4 005	N
	Minnesota	19 018	14 163		Illinois	32 370	N
	Missouri	93 070	63 710		Indiana	33 075	N
	New Jersey	9 780	16 787		Kansas	11 380	N
	New York	193 631	153 972		Kentucky	7 037	N
	North Carolina	11 517	2 145		Louisiana	7 876	N
	Ohio	11 945	16 224		Maryland	21 163	N
	Pennsylvania	81 588	74 885		Massachusetts	37 692	N
	Tennessee	38 510	58 010		Michigan	24 768	N
	Texas	81 388	65 682		Minnesota	35 325	N
	Virginia	40 279	N		Mississippi	4 527	N
3231191	MAGAZINE AND PERIODICAL PRINTING (LETTERPRESS)				Missouri	13 991	N
	United States	25 590	62 372		Nebraska	16 738	N
	California	2 192	6 472		New Jersey	42 556	N
	New York	7 684	9 796		New Mexico	2 108	N
3231193	LABEL AND WRAPPER PRINTING (LETTERPRESS)				New York	75 941	N
	United States	716 576	290 844		North Carolina	15 208	N
	Arizona	11 303	6 521		North Dakota	2 242	N
	California	58 232	18 765		Ohio	35 848	N
	Georgia	2 474	8 272		Oklahoma	6 845	N
	Illinois	75 878	14 415		Oregon	16 008	N
	Indiana	2 027	2 916		Pennsylvania	90 620	N
	Michigan	5 260	4 346		Rhode Island	2 015	N
	Minnesota	39 871	26 510		Tennessee	18 509	N
	Missouri	8 352	N		Texas	32 607	N
	New Jersey	80 099	36 182	323119E	ENGRAVING (PRINTING)		
	New York	36 765	23 893		United States	247 625	289 715
	North Carolina	27 854	4 936		California	23 004	58 782
	Ohio	119 237	38 383		Florida	7 216	4 950
	Pennsylvania	34 528	5 861		Illinois	49 196	50 189
	Tennessee	17 798	N		Indiana	4 416	7 465
	Texas	35 035	3 197		Maryland	2 161	2 784
	Washington	5 335	N		Massachusetts	34 549	20 860
	Wisconsin	76 980	30 194		Michigan	4 645	4 430
3231195	CATALOG AND DIRECTORY PRINTING (LETTERPRESS)				Minnesota	2 369	4 899
	United States	31 895	90 186		Missouri	2 336	2 093
	California	2 150	N		New Jersey	12 810	15 049
	New York	2 637	N		New York	12 965	33 137
3231197	FINANCIAL AND LEGAL PRINTING (LETTERPRESS)			3231211	EDITION, LIBRARY, AND OTHER HARDCOVER BOOKBINDING		
	United States	26 497	75 211		United States	294 603	249 628
	California	2 706	3 424		California	7 009	5 595
	New Jersey	2 071	9 138		Illinois	111 965	N
3231199	ADVERTISING PRINTING (LETTERPRESS)				Indiana	17 462	N
					Massachusetts	15 222	12 507
					Minnesota	9 056	5 171
					New Jersey	21 018	41 629
					New York	10 745	9 016

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		1997	1992			1997	1992
3231211	EDITION, LIBRARY, AND OTHER HARDCOVER BOOKBINDING—Con.			3231223	PRINTING PLATES, PREPARED FOR PRINTING, EXCLUDING BLANK PLATES		
	Pennsylvania	8 119	5 317		United States	721 759	N
	Tennessee	2 954	N		Arizona	8 122	N
	Texas	2 354	5 575		California	105 916	N
	Utah	6 428	4 556		Connecticut	25 169	N
3231213	OTHER BOOK AND PAMPHLET BINDING, AND RELATED BINDING AND POST-PRESS WORK, NEC			3231223	PRINTING PLATES, PREPARED FOR PRINTING, EXCLUDING BLANK PLATES		
	United States	1 248 965	750 042		Florida	14 649	N
	Arizona	7 162	4 625		Georgia	13 435	N
	California	121 854	87 087		Illinois	38 489	N
	Colorado	8 229	3 975		Indiana	23 266	N
3231221	PREPRESS SERVICES, EXCEPT PLATEMAKING (INCLUDING FILM, ASSEMBLED FLATS, COLOR SEPARATIONS, TYPESETTING, IMAGESETTING, ETC.)			3241101	GASOLINE, INCLUDING FINISHED BASE STOCKS AND BLENDING AGENTS, AVIATION GASOLINE AND MOTOR GASOLINE, EXCLUDING JET FUEL		
	United States	3 533 395	N		United States	77 557 632	70 094 648
	Alabama	8 796	N		California	11 276 628	9 614 131
	Alaska	2 896	N		Illinois	5 087 219	5 271 470
	Arizona	52 846	N		Kansas	1 415 994	1 646 466
3231221	PREPRESS SERVICES, EXCEPT PLATEMAKING (INCLUDING FILM, ASSEMBLED FLATS, COLOR SEPARATIONS, TYPESETTING, IMAGESETTING, ETC.)			3241104	JET FUEL, INCLUDING NAPHTHA TYPE AND KEROSENE TYPE		
	United States	3 533 395	N		United States	14 017 775	11 948 667
	Alabama	8 796	N		Alaska	471 810	N
	Alaska	2 896	N		California	2 404 119	2 079 902
	Arizona	52 846	N		Louisiana	3 282 276	1 706 813
3231221	PREPRESS SERVICES, EXCEPT PLATEMAKING (INCLUDING FILM, ASSEMBLED FLATS, COLOR SEPARATIONS, TYPESETTING, IMAGESETTING, ETC.)			3241107	KEROSENE, EXCEPT JET FUEL		
	United States	3 533 395	N		United States	960 019	923 616
	Alabama	8 796	N		Ohio	34 903	60 713
	Alaska	2 896	N		Pennsylvania	91 586	73 538
	Arizona	52 846	N		Texas	404 461	58 882
3231221	PREPRESS SERVICES, EXCEPT PLATEMAKING (INCLUDING FILM, ASSEMBLED FLATS, COLOR SEPARATIONS, TYPESETTING, IMAGESETTING, ETC.)			324110A	LIGHT FUEL OILS (INCLUDING NO.1,2, AND 4 LIGHT DIESEL-TYPE, LIGHT GAS ENRICHMENT OILS, ETC.)		
	United States	3 533 395	N		United States	28 941 405	26 388 975
	Alabama	8 796	N		Alabama	225 907	N
	Alaska	2 896	N		Alaska	258 168	311 746
	Arizona	52 846	N		California	2 615 561	2 247 612

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		1997	1992			1997	1992
324110D	HEAVY FUEL OILS, INCLUDING GRADES NO. 5, 6, HEAVY DIESEL-TYPE, HEAVY GAS-ENRICHMENT OILS, ETC.			3241222	PREPARED ASPHALT AND TAR ROOFING AND SIDING PRODUCTS, INCLUDING SATURATED FELTS AND BOARDS FOR NONBUILDING USE		
	United States	4 295 288	4 710 865		United States	3 588 157	2 928 057
	California	668 441	1 150 963		Alabama	263 341	200 341
	Louisiana	744 926	579 184		Arkansas	110 010	63 004
	New Jersey	306 960	231 249		California	373 454	290 454
	Ohio	42 380	15 069		Georgia	225 929	190 197
	Texas	967 233	1 073 331		Illinois	178 077	164 017
	Utah	37 064	18 648		Indiana	245 504	183 105
	Washington	353 339	305 900		Massachusetts	62 723	76 293
	Wyoming	18 009	N		Minnesota	207 369	132 810
324110G	LUBRICATING OILS AND GREASES, MADE IN A REFINERY				Ohio	320 359	186 134
	United States	704 035	1 446 280	3241991	COKE OVEN AND BLAST FURNACE PRODUCTS, NOT MADE IN STEEL MILLS		
	California	81 862	N		United States	450 235	N
	Texas	249 321	498 573		Pennsylvania	257 742	N
324110J	UNFINISHED OILS AND LUBRICATING OIL BASE STOCK			3241992	ALL OTHER PETROLEUM AND COAL PRODUCTS, EXCEPT COKE OVEN PRODUCTS		
	United States	8 219 990	4 768 081		United States	1 083 135	N
	Arkansas	17 463	7 140		Louisiana	341 284	N
	California	2 094 865	718 842		Massachusetts	5 283	N
	Illinois	125 064	91 857		Texas	259 392	N
	Louisiana	1 200 725	1 086 388				
	Mississippi	148 872	N				
	Ohio	33 744	N				
	Texas	3 003 464	1 582 143				
	Washington	133 456	N				
324110M	ASPHALT			3251101	AROMATICS (BENZENE, TOLUENE, XYLENE, ETC.), NOT MADE IN A REFINERY		
	United States	3 320 500	1 975 500		United States	4 526 855	1 965 095
	Arkansas	88 887	N		Louisiana	1 626 172	601 434
	California	231 673	220 779		Texas	1 959 597	1 159 757
	Illinois	258 934	174 734				
	New Jersey	452 001	N				
	Ohio	50 086	22 616				
	Oklahoma	104 020	64 058	3251104	LIQUEFIED REFINERY GASES (ALIPHATICS), NOT MADE IN A REFINERY		
	Texas	385 073	167 963		United States	12 616 055	8 317 067
	Washington	65 439	N		Louisiana	3 543 926	1 492 066
324110P	LIQUEFIED REFINERY GASES, INCLUDING OTHER ALIPHATICS (FEED STOCK AND OTHER USES), MADE IN A REFINERY				Texas	8 832 514	6 303 674
	United States	8 157 277	5 315 892	3251201	ACETYLENE		
	California	318 248	264 440		United States	139 751	130 204
	Illinois	197 900	140 759		California	4 131	6 444
	Louisiana	1 447 755	1 674 675		Florida	2 473	N
	Montana	25 653	N		Texas	34 151	37 331
	New Jersey	208 578	109 755				
	Ohio	145 214	N	3251204	CARBON DIOXIDE		
	Oklahoma	78 267	60 995		United States	363 123	323 098
	Texas	4 292 934	2 137 121		California	19 215	34 445
	Utah	21 801	14 681		Georgia	12 884	13 359
	Washington	148 704	81 654		Illinois	12 708	28 248
	Wyoming	16 332	N		Iowa	19 460	15 493
324110T	OTHER FINISHED PETROLEUM PRODUCTS, INCLUDING WAXES				Kansas	8 536	N
	United States	5 091 239	3 978 444		Louisiana	34 066	20 182
	California	268 228	293 721		Mississippi	40 763	16 751
	Illinois	99 517	129 807		Nebraska	6 045	N
	Kansas	23 422	51 497		Ohio	16 544	N
	Louisiana	701 019	518 006		Oklahoma	19 590	19 370
	Pennsylvania	395 345	191 974		Tennessee	4 270	N
	Texas	2 465 633	1 890 756		Texas	60 170	19 205
					Wyoming	13 961	N
3241221	ROOFING ASPHALTS AND PITCHES, COATINGS, AND CEMENTS			3251207	NITROGEN, INCLUDING LOWER PURITY		
	United States	857 622	543 852		United States	1 198 873	949 515
	California	112 432	58 527		Alabama	30 780	40 828
	Florida	27 183	43 906		Arkansas	8 430	N
	Georgia	23 272	17 882		California	150 722	101 549
	Illinois	47 916	40 948		Florida	18 090	13 166
	Michigan	19 247	18 200		Illinois	42 689	N
	Missouri	10 319	N		Indiana	85 657	81 528
	New Jersey	25 099	41 228		Louisiana	60 024	37 749
	Ohio	122 235	86 304		Michigan	14 034	8 667
	Pennsylvania	89 709	34 229		New York	58 795	24 035
	Texas	74 889	40 860		North Carolina	17 317	9 746

Table 2. **Product Class Shipments for Selected States: 1997 and 1992—Con.**

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NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)		NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)	
		1997	1992			1997	1992
3251207	NITROGEN, INCLUDING LOWER PURITY—Con.			3251324	SYNTHETIC ORGANIC PIGMENTS, LAKES, AND TONERS		
	Ohio	63 487	72 788		United States	1 623 765	1 246 025
	Pennsylvania	81 335	60 179		Illinois	85 936	174 089
	South Carolina	29 720	18 510		Kentucky	138 790	75 550
	Tennessee	19 586	N		New Jersey	235 073	249 428
	Texas	216 727	188 080		North Carolina	19 807	N
	Virginia	12 319	N		Ohio	345 978	235 444
	Washington	26 879	19 798		Pennsylvania	70 809	55 277
	West Virginia	23 949	26 981		South Carolina	115 759	66 361
	Wisconsin	16 825	N				
325120A	OXYGEN, INCLUDING LOWER PURITY			3251811	CHLORINE, COMPRESSED OR LIQUEFIED		
	United States	993 637	771 554		United States	1 223 456	198 397
	Alabama	29 826	20 070		Louisiana	396 406	64 332
	California	46 329	24 680		New York	94 070	N
	Florida	12 624	9 460		Washington	60 188	14 676
	Georgia	10 564	N	3251814	SODIUM HYDROXIDE (CAUSTIC SODA)		
	Illinois	32 148	N		United States	1 446 405	2 206 609
	Kentucky	9 069	N		Louisiana	588 170	915 493
	Louisiana	90 066	N		Washington	71 294	112 645
	New York	19 348	10 565	3251817	ALKALIES OTHER THAN CHLORINE AND SODIUM HYDROXIDE		
	North Carolina	8 086	3 460		United States	389 286	365 383
	Ohio	81 801	85 406	3251881	SULFURIC ACID, GROSS (NEW AND FORTIFIED)		
	Pennsylvania	36 014	34 966		United States	610 418	548 952
	South Carolina	18 806	10 513		Arizona	46 785	30 532
	Tennessee	28 569	N		Florida	24 705	11 863
	Texas	221 781	174 075		Georgia	21 037	23 900
	Utah	24 340	18 725		Louisiana	117 644	97 167
	Virginia	6 118	N		Pennsylvania	2 850	N
	Washington	15 353	10 876		Texas	113 606	115 440
	Wisconsin	8 541	N	3251884	INORGANIC ACIDS, EXCEPT NITRIC, SULFURIC, AND PHOSPHORIC (INCLUDING HYDROCHLORIC, HYDROFLUORIC, HYDROCYANIC, BORIC, AND PERCHLORIC ACIDS)		
325120D	OTHER INDUSTRIAL GASES, INCLUDING ARGON, HYDROGEN, HELIUM, AND CARBON MONOXIDE				United States	726 727	537 790
	United States	2 209 923	N		California	130 872	108 740
	Alabama	12 320	N		Illinois	19 397	N
	California	101 856	N		Louisiana	125 797	119 518
	Colorado	6 165	N		Ohio	34 134	21 174
	Delaware	13 298	N		Texas	149 205	101 467
	Florida	7 950	N	3251887	OTHER INORGANIC ALUMINUM COMPOUNDS (INCLUDING ALUMINUM CHLORIDE, HYDROXIDE, FLUORIDE, SULFATE, ALUM, AND SODIUM ALUMINATE)		
	Illinois	17 654	N		United States	780 781	601 514
	Kansas	179 076	N		Georgia	53 084	35 007
	Louisiana	373 645	N		Illinois	26 657	18 477
	New York	37 279	N		Louisiana	176 733	94 282
	North Carolina	17 870	N		Mississippi	8 767	N
	Ohio	54 142	N		Ohio	5 672	10 352
	Oklahoma	2 856	N		Tennessee	26 815	N
	Pennsylvania	85 046	N		Texas	210 524	175 903
	South Carolina	4 383	N				
	Texas	528 707	N				
	Virginia	3 117	N				
	Washington	6 082	N				
	West Virginia	37 360	N				
3251311	TITANIUM DIOXIDE, COMPOSITE AND PURE			325188A	INORGANIC POTASSIUM AND SODIUM COMPOUNDS, EXCEPT ALKALIES, ALUMS, AND BLEACHES		
	United States	2 499 187	2 316 198		United States	2 134 630	1 921 942
3251314	OTHER WHITE OPAQUE PIGMENTS (INCLUDING ZINC OXIDE PIGMENTS, TITANIUM PIGMENT PREPARATIONS, ANTIMONY OXIDE, LITHOPHONE, AND ZINC SULFIDES)				Alabama	54 778	41 974
	United States	363 246	303 584		Florida	9 664	7 965
	Missouri	8 950	N		Georgia	124 699	80 464
3251317	CHROME COLORS AND OTHER INORGANIC PIGMENTS				Illinois	112 109	143 381
	United States	932 639	N		Kansas	87 272	N
	California	47 257	N		Louisiana	42 431	53 662
	Illinois	111 936	N		Maryland	6 523	N
	Maryland	130 726	N		Mississippi	166 339	127 740
	Ohio	73 393	N		Missouri	88 417	N
	Pennsylvania	142 706	N		New Jersey	84 609	64 270
3251321	SYNTHETIC ORGANIC DYES				New York	122 180	94 307
	United States	1 060 777	1 341 651		Ohio	38 163	47 155
	Georgia	23 205	N		Pennsylvania	40 490	24 925
	New Jersey	119 761	236 549		Tennessee	207 683	N
	North Carolina	119 149	171 368		Texas	45 628	46 062
	South Carolina	264 256	309 485		Utah	91 589	N
	Tennessee	47 008	N		Washington	111 861	68 996

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		1997	1992			1997	1992
325188D	CHEMICAL CATALYTIC PREPARATIONS (EXCLUDING SILICA GEL CATALYST)			325199E	NATURAL ORGANIC CHEMICALS, NEC—Con.		
	United States	1 857 513	1 358 191		United States	959 621	N
	California	211 603	193 743		Illinois	117 431	N
	Illinois	80 362	N		New Jersey	40 707	N
	New Jersey	99 450	N		Pennsylvania	71 056	N
	Ohio	120 983	N	325199H	SYNTHETIC ORGANIC CHEMICALS FOR USE AS FLAVOR AND PERFUME MATERIALS		
	Tennessee	49 438	N		United States	1 615 421	N
	Texas	194 093	131 051		New Jersey	530 324	N
325188G	ALL OTHER INORGANIC CHEMICALS, NEC (INCLUDING NUCLEAR FUEL, TITANIUM TETRACHLORIDE, AND OTHER TITANIUM COMPOUNDS)				Texas	95 765	N
	United States	8 664 520	N		Wisconsin	33 294	N
	Alabama	558 190	N	325199K	SYNTHETIC ORGANIC RUBBER-PROCESSING CHEMICALS		
	Arkansas	63 155	N		United States	614 776	N
	California	196 693	N		Alabama	15 014	N
	Colorado	10 711	N		Texas	89 905	N
	Delaware	25 255	N	325199N	SYNTHETIC ORGANIC PLASTICIZERS		
	Georgia	128 817	N		United States	958 211	N
	Illinois	410 184	N		North Carolina	43 547	N
	Indiana	143 547	N		Texas	88 535	N
	Kansas	48 298	N	325199R	OTHER SYNTHETIC ORGANIC CHEMICALS, NEC		
	Kentucky	137 022	N		United States	2 079 609	N
	Louisiana	69 588	N		Connecticut	40 078	N
	Maine	15 241	N		New Jersey	77 032	N
	Maryland	187 440	N		New York	74 897	N
	Massachusetts	144 596	N		Ohio	191 576	N
	Michigan	131 190	N		Pennsylvania	156 417	N
	Mississippi	56 859	N		South Carolina	85 311	N
	Missouri	120 145	N		Tennessee	227 775	N
	New Jersey	841 699	N	325199T	MISCELLANEOUS END-USE CHEMICALS AND CHEMICAL PRODUCTS (EXCLUDING UREA), AND OTHER INDUSTRIAL ORGANIC CHEMICALS, NEC		
	New York	358 463	N		United States	12 025 380	N
	North Carolina	432 809	N		Alabama	198 463	N
	Ohio	385 902	N		Arkansas	24 332	N
	Oklahoma	61 396	N		California	118 260	N
	Oregon	14 934	N		Florida	103 978	N
	Pennsylvania	297 446	N		Georgia	178 342	N
	South Carolina	239 063	N		Illinois	740 857	N
	Tennessee	315 628	N		Iowa	151 853	N
	Texas	1 971 818	N		Louisiana	1 901 442	N
	Utah	24 707	N		Massachusetts	56 070	N
	Washington	94 625	N		Michigan	199 836	N
	West Virginia	74 033	N		Minnesota	51 212	N
	Wisconsin	45 601	N		Missouri	135 101	N
	Wyoming	17 219	N		New Jersey	895 868	N
3251921	CYCLIC (COAL TAR) INTERMEDIATES				New York	151 866	N
	United States	8 905 865	7 679 909		North Carolina	338 426	N
	Georgia	27 541	N		Ohio	551 900	N
	Louisiana	532 688	497 626		Pennsylvania	309 972	N
	Ohio	285 039	N		South Carolina	464 332	N
	Pennsylvania	352 772	285 704		Texas	3 428 844	N
	Texas	4 180 507	3 238 321		Virginia	10 730	N
3251924	TAR, TAR CRUDES, AND TAR PITCHES				West Virginia	538 734	N
	United States	877 303	493 173		Wisconsin	90 821	N
	Ohio	66 378	75 631	325199U	MISCELLANEOUS CYCLIC AND ACYCLIC CHEMICALS AND CHEMICAL PRODUCTS, EXCEPT FLUOROCARBON GASES, CARBON BISULFIDE (DISULFIDE), AND FATTY ACID ESTERS		
3251991	FATTY ACIDS				United States	22 770 981	N
	United States	1 169 380	N		Arkansas	740 031	N
	Illinois	122 068	N		California	422 093	N
	New Jersey	13 278	N		Connecticut	5 144	N
	Ohio	186 411	N		Florida	282 313	N
3251994	BULK PESTICIDES AND OTHER BULK SYNTHETIC ORGANIC AGRICULTURAL CHEMICALS, EXCEPT PREPARATIONS				Illinois	262 451	N
	United States	1 203 403	1 243 141		Kansas	135 699	N
	California	14 544	N		Kentucky	1 182 769	N
	Ohio	13 154	5 977		Louisiana	3 860 944	N
	Tennessee	52 692	41 223		Michigan	341 289	N
3251997	INDUSTRIAL ORGANIC FLAVOR OIL MIXTURES AND BLENDS				Minnesota	21 287	N
	United States	278 832	N				
325199A	REAGENT AND HIGH PURITY GRADES OF ORGANIC CHEMICALS REFINED FROM PURCHASED TECHNICAL GRADES						
	United States	382 027	N				
325199E	NATURAL ORGANIC CHEMICALS, NEC						

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NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)		NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)	
		1997	1992			1997	1992
325199U	MISCELLANEOUS CYCLIC AND ACYCLIC CHEMICALS AND CHEMICAL PRODUCTS, EXCEPT FLUOROCARBON GASES, CARBON BISULFIDE (DISULFIDE), AND FATTY ACID ESTERS—Con.			3252227	POLYESTER FIBERS		
					United States	3 343 156	3 298 850
					North Carolina	1 739 093	1 788 043
					South Carolina	1 386 012	1 167 213
	Missouri	74 929	N	325222A	OTHER MANUFACTURED NONCELLULOSIC FIBERS (EXCEPT GLASS, CARBON, AND GRAPHITE)		
	New Jersey	134 853	N		United States	1 029 313	942 975
	New York	365 297	N		South Carolina	140 488	N
	North Carolina	27 187	N	325222D	PRODUCER TEXTURED MANUFACTURED NONCELLULOSIC FIBERS		
	Ohio	492 583	N		United States	2 378 653	2 503 645
	Oregon	6 972	N		Alabama	372 751	N
	Pennsylvania	162 114	N		Georgia	419 444	N
	South Carolina	100 708	N		South Carolina	940 663	875 938
	Tennessee	814 522	N				
	Texas	11 036 762	N				
3252111	THERMOPLASTICS RESINS AND PLASTICS MATERIALS (INCLUDING VINYL, POLYESTER (SATURATED), STYRENE, CELLULOSIC, ACRYLIC, ETC.)			3253111	SYNTHETIC AMMONIA, NITRIC ACID, AND AMMONIUM COMPOUNDS		
	United States	36 589 561	27 559 787		United States	3 511 869	2 691 397
	Alabama	574 846	N		California	16 390	58 410
	Arkansas	65 219	N		Florida	106 908	136 382
	California	544 766	476 922		Iowa	212 162	97 411
	Colorado	10 427	N		Louisiana	885 880	543 263
	Delaware	177 043	N		Oklahoma	603 689	316 447
	Florida	340 670	N		Texas	163 622	150 622
	Georgia	517 759	N	3253114	UREA		
	Illinois	1 885 927	1 558 003		United States	784 792	708 809
	Kentucky	1 264 041	N		Louisiana	330 387	233 570
	Louisiana	4 668 917	2 924 908	3253117	NITROGENOUS FERTILIZER MATERIALS OF ORGANIC ORIGIN, INCLUDING ACTIVATED SEWAGE SLUDGE, PROCESSED TANKAGE, ETC.		
	Massachusetts	387 158	N		United States	70 394	155 477
	Michigan	581 825	762 443				
	Mississippi	601 296	N	3253121	PHOSPHORIC ACID		
	Missouri	32 171	N		United States	1 309 336	1 143 955
	New Jersey	807 209	1 013 400		Florida	438 140	409 308
	North Carolina	507 380	N		Louisiana	297 362	312 319
	Ohio	1 377 094	1 165 760	3253124	SUPERPHOSPHATE AND OTHER PHOSPHATIC FERTILIZER MATERIALS		
	Oregon	28 679	18 554		United States	3 614 889	2 534 061
	Pennsylvania	988 094	954 883		Florida	2 350 860	1 665 368
	South Carolina	1 344 895	N	3253127	MIXED FERTILIZERS, MADE BY PLANTS WHICH MANUFACTURE FERTILIZER MATERIALS		
	Tennessee	1 206 176	N		United States	399 212	232 413
	Texas	13 711 185	9 610 747		California	109 088	N
	Washington	8 947	N		Florida	39 513	N
	West Virginia	1 916 565	N	3253201	AGRICULTURAL AND COMMERCIAL PESTICIDES AND CHEMICALS		
	Wisconsin	56 613	N		United States	9 244 512	N
3252114	THERMOSETTING RESINS AND PLASTICS MATERIALS (INCLUDING POLYESTER RESINS (UNSATURATED), AMINO RESINS, POLYURETHANE RESINS, EPOXY RESINS)				Arizona	13 726	N
	United States	8 722 920	5 564 478		Arkansas	484 683	N
	Alabama	226 275	N		California	192 197	N
	Arkansas	135 296	70 960		Georgia	352 649	N
	California	396 235	294 001	3253204	LAWN AND GARDEN PESTICIDES AND CHEMICALS		
	Florida	169 248	112 360		United States	360 784	N
	Georgia	194 720	202 416		California	11 480	N
	Illinois	669 440	423 296	3253207	HOUSEHOLD AND INSTITUTIONAL PESTICIDES AND CHEMICALS		
	Kentucky	712 832	388 257		United States	1 142 047	874 342
	Louisiana	163 505	120 594		California	6 946	N
	Maryland	44 340	N		Georgia	55 187	54 778
	Massachusetts	92 838	128 943		Texas	11 767	111 205
	Michigan	750 772	470 942				
3252221	NYLON AND OTHER POLYAMIDE FIBERS						
	United States	3 376 082	2 255 892				
	Georgia	16 644	N				
	North Carolina	60 228	N				
	South Carolina	1 170 139	643 246				
3252224	POLYOLEFIN FIBERS						
	United States	185 982	226 600				
	Tennessee	33 094	N				

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NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)		NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)	
		1997	1992			1997	1992
3254111	SYNTHETIC ORGANIC MEDICINAL CHEMICALS, IN BULK			325412A	PHARMACEUTICAL PREPARATIONS, ACTING ON THE RESPIRATORY SYSTEM, FOR HUMAN USE, EXCLUDING DIAGNOSTICS		
	United States	8 249 161	5 774 867		United States	5 742 303	5 046 430
	California	163 990	75 166		California	379 962	167 590
	Colorado	175 311	N		Florida	42 969	N
	Florida	9 057	N		Illinois	164 506	156 396
	Kansas	31 750	N		Massachusetts	197 199	N
	Maryland	58 092	N		New York	374 331	143 239
	Massachusetts	26 509	8 923				
	Michigan	125 280	310 253				
	Minnesota	20 525	N				
	Missouri	179 734	109 985				
	Nevada	8 502	N				
	New Jersey	1 400 297	1 444 634				
	New York	59 130	108 725				
	North Carolina	274 778	185 939				
3254114	OTHER MEDICINAL CHEMICALS AND BOTANICAL PRODUCTS, IN BULK, NEC (INCLUDING NATURALLY OCCURRING VITAMINS, HORMONES, DRUGS, AND ARTIFICIAL MIXTURES)			325412D	PHARMACEUTICAL PREPARATIONS, ACTING ON THE DIGESTIVE OR THE GENITO-URINARY SYSTEMS, FOR HUMAN USE, EXCLUDING DIAGNOSTICS		
	United States	2 625 474	1 129 122		United States	9 360 623	7 032 904
	Arizona	19 983	N		California	148 306	N
	California	382 044	145 568		Connecticut	34 190	N
	Illinois	313 394	N		Florida	79 199	N
	Minnesota	52 029	31 281		Illinois	37 047	16 540
	Missouri	149 816	N		New Jersey	232 649	444 865
	New Jersey	89 172	58 755		New York	345 099	N
	New York	137 045	35 101		Ohio	75 397	51 958
	Oregon	13 738	N		Virginia	100 799	95 548
	Pennsylvania	74 542	N				
	Texas	193 947	55 148				
	Utah	134 835	N				
3254121	PHARMACEUTICAL PREPARATIONS, AFFECTING NEOPLASMS, THE ENDOCRINE SYSTEM, AND METABOLIC DISEASES, FOR HUMAN USE			325412G	PHARMACEUTICAL PREPARATIONS, ACTING ON THE SKIN, FOR HUMAN USE (INCL BURN OINTMENTS, ACNE PREPARATIONS, HEMORRHOIDAL PREPARATIONS, RUBBING ALCOHOL, ETC.)		
	United States	4 821 511	3 532 915		United States	1 800 841	1 789 755
	Colorado	4 489	7 708		California	123 414	137 141
	Florida	24 842	N		Connecticut	43 332	117 283
	Illinois	90 709	122 916		Florida	19 575	N
	New Jersey	897 076	946 844		Michigan	38 019	N
	New York	911 648	439 916		Minnesota	3 290	N
	North Carolina	156 550	N		Missouri	20 250	N
	Ohio	330 123	115 650		New Jersey	485 621	334 710
					New York	276 417	259 677
					Ohio	37 783	N
					Pennsylvania	87 713	222 390
					Wisconsin	10 351	N
3254124	PHARMACEUTICAL PREPARATIONS, ACTING ON THE CENTRAL NERVOUS SYSTEM AND THE SENSE ORGANS, FOR HUMAN USE, EXCLUDING DIAGNOSTICS			325412L	PHARMACEUTICAL PREPARATIONS, VITAMIN, NUTRIENT, AND HEMATINIC PREPARATIONS, FOR HUMAN USE		
	United States	11 808 739	8 436 542		United States	5 209 752	3 172 869
	California	530 960	455 918		Arizona	120 630	N
	Connecticut	48 385	N		California	1 762 491	601 740
	Florida	87 834	N		Massachusetts	55 444	N
	Illinois	851 193	171 205		New Jersey	315 603	267 310
	New Jersey	1 489 231	2 129 551		New York	739 574	493 172
	New York	891 700	994 423		North Carolina	217 752	582 421
	North Carolina	1 492 313	N		Ohio	3 270	26 835
	Ohio	130 267	127 053		Pennsylvania	22 161	34 868
	Pennsylvania	781 081	1 173 376		Tennessee	19 829	N
					Utah	314 441	N
3254127	PHARMACEUTICAL PREPARATIONS, ACTING ON THE CARDIOVASCULAR SYSTEM, FOR HUMAN USE, EXCLUDING DIAGNOSTICS			325412P	PHARMACEUTICAL PREPARATIONS, AFFECTING PARASITIC AND INFECTIVE DISEASES, FOR HUMAN USE (INCLUDING PENICILLINS, ANTIBIOTICS, ANTISEPTIC MOUTHWASH, ETC.)		
	United States	8 656 088	5 086 990		United States	7 651 310	7 130 578
	California	486 972	365 001		California	31 756	N
	Illinois	336 673	185 071		Florida	74 104	N
	New Jersey	1 298 598	789 547		Massachusetts	71 280	N
	New York	860 122	319 826		New Jersey	1 555 738	975 056
	North Carolina	774 960	N		New York	344 172	704 088
	Ohio	39 436	55 134		North Carolina	1 462 753	N
					Pennsylvania	1 003 829	968 539
325412T	PHARMACEUTICAL PREPARATIONS, ACTING ON THE CARDIOVASCULAR SYSTEM, FOR HUMAN USE, EXCLUDING DIAGNOSTICS			325412T	PHARMACEUTICAL PREPARATIONS, FOR VETERINARY USE		
	United States	8 656 088	5 086 990		United States	1 593 352	1 305 755
	California	486 972	365 001		California	33 297	N
	Illinois	336 673	185 071		Florida	2 532	N
	New Jersey	1 298 598	789 547		Illinois	30 097	49 424
	New York	860 122	319 826		Iowa	178 447	120 555
	North Carolina	774 960	N		Kansas	148 801	97 806
	Ohio	39 436	55 134		Missouri	223 340	186 498
					New Jersey	108 955	105 307
					New York	53 250	38 608
					North Carolina	2 278	N
					Texas	3 086	N

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NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)		NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)	
		1997	1992			1997	1992
325412V	DIAGNOSTIC SUBSTANCES, IN VIVO (INCLUDING ANGIOUROGRAPHIC AGENTS, OTHER CONTRAST MEDIA PRODUCTS, RADIOACTIVE REGENTS, ETC.)			3255104	PRODUCT FINISHES FOR ORIGINAL EQUIPMENT MANUFACTURERS (OEM), EXCLUDING MARINE COATINGS—Con.		
	United States	1 070 479	1 053 361		Michigan	940 213	555 457
	California	25 988	N		Minnesota	42 813	31 310
	Indiana	22 665	N		Missouri	130 354	65 800
3254141	BLOOD AND BLOOD DERIVATIVES, EXCEPT DIAGNOSTICS, FOR HUMAN USE				New Jersey	214 135	170 160
	United States	1 060 150	1 051 852		New York	74 919	83 982
					North Carolina	400 486	224 808
3254144	VACCINES, TOXOIDS, AND ANTIGENS, EXCEPT ALLERGENS, FOR HUMAN USE				Ohio	913 079	861 311
	United States	1 265 460	983 226		Oklahoma	19 206	10 037
	California	14 447	N		Oregon	40 109	29 399
3254147	OTHER BIOLOGICS, EXCEPT DIAGNOSTIC, FOR HUMAN USE (INCLUDING ANTITOXINS, ANTIVENOMS, BLOOD DERIVATIVES FOR THERAPEUTIC USE, AND ALLERGENIC EXTRACTS)			3255107	SPECIAL-PURPOSE COATINGS INCLUDING ALL MARINE COATINGS, INDUSTRIAL, CONSTRUCTION AND MAINTENANCE COATINGS, TRAFFIC MARKING PAINTS, ETC.		
	United States	1 511 455	1 418 936		United States	3 015 031	2 886 711
	California	505 462	N		Alabama	17 237	13 983
	New Jersey	49 778	N		California	139 707	286 201
	Pennsylvania	113 313	22 150		Connecticut	22 143	N
325414A	BIOLOGICAL PRODUCTS, EXCEPT DIAGNOSTIC, FOR VETERINARY, INDUSTRIAL, AND OTHER USES, NEC				Florida	13 520	22 086
	United States	1 304 739	813 881		Georgia	14 437	93 705
	California	279 549	N		Illinois	119 822	141 032
	Florida	9 546	N		Indiana	17 030	65 294
	Illinois	30 450	N		Louisiana	57 566	47 686
	Kansas	50 009	45 143		Maryland	119 579	113 132
	Massachusetts	12 755	N		Massachusetts	16 311	64 787
	Minnesota	17 352	14 562		Michigan	144 551	174 759
	Missouri	62 042	N		Minnesota	70 411	N
	North Carolina	5 984	N		Missouri	93 774	105 609
	Ohio	3 447	N		New Jersey	292 839	224 148
	Pennsylvania	27 247	9 629		New York	29 069	36 612
	Wisconsin	78 004	81 243		North Carolina	46 277	N
3255101	ARCHITECTURAL COATINGS			325510A	MISCELLANEOUS ALLIED PAINT PRODUCTS (INCLUDING PAINT AND VARNISH REMOVERS, THINNERS, PIGMENT DISPERSIONS, GLAZING COMPOUNDS, ETC.)		
	United States	6 096 705	5 327 848		United States	1 652 578	N
	Alabama	72 030	54 671		Alabama	2 735	N
	Arizona	36 552	39 683		California	164 275	N
	California	928 521	929 914		Florida	30 834	N
	Florida	293 130	203 368		Georgia	15 868	N
	Georgia	524 931	362 081		Illinois	307 225	N
	Illinois	937 225	781 250		Indiana	48 719	N
	Indiana	41 504	52 251		Kentucky	34 810	N
	Iowa	58 449	40 070		Massachusetts	27 768	N
	Kentucky	201 417	214 415		Michigan	52 411	N
	Maryland	336 397	274 630		Minnesota	6 843	N
	Massachusetts	131 199	137 790		Missouri	20 733	N
	Michigan	22 102	40 959		New Jersey	96 003	N
	Missouri	174 952	168 424		New York	18 212	N
	Nevada	9 056	N		Ohio	244 403	N
	New Jersey	254 032	261 550		Oregon	4 887	N
	New York	70 548	118 128		Pennsylvania	119 743	N
	Ohio	381 798	338 792		South Carolina	19 150	N
	Oklahoma	40 266	22 815		Tennessee	172 291	N
	Oregon	40 728	40 005		Texas	55 903	N
	Pennsylvania	244 356	227 273		Wisconsin	3 564	N
	South Carolina	5 060	N				
	Texas	645 929	457 910				
	Virginia	46 919	41 430				
	Washington	83 138	66 693				
	Wisconsin	52 301	59 657				
3255104	PRODUCT FINISHES FOR ORIGINAL EQUIPMENT MANUFACTURERS (OEM), EXCLUDING MARINE COATINGS			3255201	NATURAL BASE GLUES AND ADHESIVES (INCLUDING ANIMAL, BONE, PROTEIN, VEGETABLE, GUMS, BITUMINOUS, ETC.)		
	United States	5 778 416	4 254 232		United States	322 944	191 843
	Alabama	159 523	107 385		California	16 967	17 471
	California	214 993	217 170		Georgia	20 763	16 886
	Florida	18 584	13 757		Illinois	18 344	34 007
	Georgia	84 735	80 246		Massachusetts	24 773	N
	Illinois	635 610	429 079		New Jersey	51 193	7 496
	Indiana	270 470	237 402		New York	19 950	25 784
	Iowa	84 191	46 459		North Carolina	16 373	23 544
	Kentucky	62 996	18 586		Ohio	27 056	9 116
	Massachusetts	59 725	36 441		Pennsylvania	13 581	N
					Tennessee	8 846	3 759
					Texas	8 442	5 424

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		1997	1992			1997	1992
3255204	SYNTHETIC RESIN AND RUBBER ADHESIVES, INCLUDING ALL TYPES OF BONDING AND LAMINATING ADHESIVES			3256117	HOUSEHOLD SOAPS, EXCEPT SPECIALTY CLEANERS (INCLUDING TOILET SOAPS, MEDICATED AND MECHANICS' SOAP, ETC.)		
	United States	4 338 084	3 595 498		United States	1 832 132	1 969 621
	California	280 535	263 507		New Jersey	25 055	14 279
	Connecticut	115 154	125 281		New York	6 624	5 861
	Florida	27 764	15 570		Ohio	364 607	456 649
	Georgia	230 466	187 306	325611A	GLYCERIN, NATURAL		
	Illinois	517 177	419 815		United States	265 942	138 279
	Indiana	47 708	43 743				
	Kentucky	135 237	134 934				
	Maryland	67 758	61 066				
	Massachusetts	172 637	90 294				
	Michigan	286 359	154 729				
	New Hampshire	29 412	26 792				
	New Jersey	224 683	216 652		TOOTHPASTE, INCLUDING GELS AND TOOTHPOWDER		
	New York	147 521	133 787		United States	1 403 379	N
	North Carolina	15 451	120 254	3256121	CHLORINE AND OTHER INORGANIC BLEACHING COMPOUNDS, HOUSEHOLD (SODIUM HYPOCHLORITE, ETC., 100 PERCENT CL EQUIVALENT)		
	Ohio	538 512	493 822		United States	1 002 265	946 062
	Pennsylvania	243 356	162 612		California	102 185	121 101
	Rhode Island	8 481	N		Florida	52 459	51 303
	South Carolina	102 519	83 756		New Jersey	38 199	N
	Tennessee	112 605	57 830		Ohio	28 101	N
	Texas	178 948	112 065				
	Virginia	67 469	28 987				
	Wisconsin	93 377	57 346				
3255207	STRUCTURAL SEALANTS (LOAD-BEARING)			3256124	SPECIALTY CLEANING AND SANITATION PRODUCTS		
	United States	495 787	344 092		United States	5 168 885	3 661 488
	Kentucky	303 976	N		California	145 441	204 533
	Michigan	59 331	N		Colorado	9 026	N
	Missouri	25 569	N		Connecticut	15 882	N
325520A	NONSTRUCTURAL CAULKING COMPOUNDS AND SEALANTS				Florida	10 694	41 123
	United States	1 436 177	863 269		Georgia	321 119	247 011
	Arizona	2 744	N		Illinois	302 058	391 106
	California	119 885	73 480		Indiana	57 682	37 076
	Georgia	111 092	41 999		Iowa	20 379	N
	Illinois	45 230	18 313		Kentucky	18 044	N
	Indiana	28 437	20 079		Louisiana	5 339	6 012
	Kansas	21 889	N		Maryland	84 433	122 677
	Massachusetts	13 787	6 481		Massachusetts	32 183	48 745
	Michigan	97 485	52 789		Michigan	185 128	86 553
	Minnesota	15 879	38 345		Minnesota	70 392	66 794
	Missouri	136 394	117 762		Missouri	406 455	338 676
	New Jersey	176 301	79 595		New Jersey	478 218	316 157
	Ohio	250 598	131 236		New York	77 969	101 634
	Oklaoma	84 982	N		North Carolina	93 283	39 509
	Pennsylvania	82 317	54 701		Ohio	1 371 875	663 077
	Texas	77 869	39 885		Oklahoma	8 076	N
	Wisconsin	43 344	N	3256127	POLISHING PREPARATIONS AND RELATED PRODUCTS (INCLUDING AUTOMOBILE, FLOOR, AND METAL POLISHES)		
3256111	COMMERCIAL, INDUSTRIAL, AND INSTITUTIONAL SOAPS AND DETERGENTS, EXCEPT SPECIALTY CLEANERS				United States	1 068 171	1 086 467
	United States	2 276 865	2 222 011		California	62 742	74 949
	California	264 620	263 049		Connecticut	15 546	N
	Connecticut	13 785	N		Georgia	51 420	59 255
	Florida	16 859	15 424		Illinois	114 681	121 783
	Georgia	286 339	193 414		Indiana	20 475	27 045
	Illinois	331 727	269 397		Kansas	6 848	N
	Indiana	65 670	52 376		Massachusetts	21 643	26 910
	Kansas	40 945	36 797		Michigan	44 720	54 872
	Louisiana	6 285	N		Minnesota	11 220	3 957
	Maryland	4 349	N		Mississippi	6 887	N
	Massachusetts	30 205	40 179		Missouri	32 922	20 967
	Michigan	56 799	149 214		New Jersey	61 348	19 412
	Minnesota	46 146	29 527		New York	27 415	30 675
	Missouri	92 317	67 203		North Carolina	23 389	53 914
	New Jersey	280 207	294 139		Ohio	107 024	79 522
	New York	16 715	31 143		Pennsylvania	17 781	103 835
	Ohio	208 801	206 535		Texas	16 515	15 968
	Pennsylvania	39 788	94 850		Washington	2 143	N
	Texas	211 833	190 098		Wisconsin	271 946	291 511
	Washington	24 330	N				
	Wisconsin	69 453	80 992				
3256114	HOUSEHOLD DETERGENTS						
	United States	7 176 655	6 033 766				
	California	36 493	529 543				
	Illinois	43 894	123 774				
	Indiana	55 110	N				
	Missouri	972 773	720 910				
	New Jersey	204 005	65 825				
	Pennsylvania	103 177	N				
	Texas	32 690	135 758				

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		1997	1992			1997	1992
3256201	SHAVING PREPARATIONS (INCLUDING SHAVING SOAPS, CREAMS, GELS, AFTERSHAVE AND PRESHAVE PREPARATIONS, STYPTICS, ETC.)			3259104	LITHOGRAPHIC AND OFFSET PRINTING INKS—Con.		
	United States	503 711	499 012		Minnesota	59 222	66 446
	New Jersey	46 871	124 209		Missouri	53 331	58 192
	New York	8 254	15 039		Nebraska	4 784	5 861
3256204	PERFUMES, TOILET WATERS, AND COLOGNES (INCLUDING PERFUME OIL MIXTURES AND BLENDS)				New Jersey	55 253	63 707
	United States	3 059 475	2 230 232		New York	76 990	72 145
	California	17 130	9 889		North Carolina	32 847	33 486
	Illinois	11 701	N		Ohio	68 364	88 967
	New Jersey	1 491 881	1 007 639		Oregon	14 922	N
3256207	HAIR PREPARATIONS (INCLUDING SHAMPOOS, PERMANENTS, DYES, SPRAYS, RINSES, DRESSINGS, ETC.)				Pennsylvania	30 645	34 570
	United States	5 378 887	4 637 984	3259107	GRAVURE PRINTING INKS	43 309	41 587
	California	513 849	646 449		Texas	83 272	86 151
	Illinois	892 550	971 843		Utah	18 350	N
	Minnesota	248 209	363 253		Virginia	76 438	10 308
	New Jersey	537 481	457 752		Washington	12 591	N
	New York	31 695	72 809		Wisconsin	121 804	50 945
	North Carolina	276 715	N				
	Pennsylvania	18 943	9 703		United States	572 906	464 521
	Tennessee	39 286	95 084		California	8 629	5 768
	Texas	146 778	55 168	325910A	FLEXOGRAPHIC PRINTING INKS		
325620A	DENTURE CLEANERS AND OTHER ORAL HYGIENE PRODUCTS				United States	718 147	590 159
	United States	730 878	N		California	69 504	65 081
	California	7 445	N		Colorado	2 376	N
	New Jersey	71 667	N		Georgia	16 859	25 299
325620D	CREAMS, LOTIONS, AND OILS, EXCLUDING SHAVING, HAIR, DEODORANT, EYE, MANICURING, AND BATH				Illinois	48 277	80 582
	United States	4 129 547	3 084 019		Indiana	12 499	N
	California	280 561	257 567		Maryland	13 335	13 948
	Florida	45 339	59 923		Massachusetts	9 168	N
	Illinois	430 907	N		Michigan	5 800	5 337
	Minnesota	4 231	15 888		Minnesota	26 786	19 312
	New Jersey	556 706	361 346		Missouri	14 902	30 799
	Ohio	131 666	N		New Jersey	56 464	78 481
	Texas	477 908	N		North Carolina	77 582	30 241
325620G	OTHER COSMETICS AND TOILET PREPARATIONS, NEC (INCLUDING COSMETICS, POWDERS, MANICURING PREPARATIONS, PERSONAL DEODORANTS, BATH SALTS, AND BUBBLE BATH)				Ohio	72 865	42 444
	United States	7 527 193	5 722 852	325910E	NONIMPACT-DIGITAL INKS		
	Arkansas	499 688	204 015		United States	96 034	N
	California	290 777	222 543		New Jersey	16 580	N
	Connecticut	22 014	32 151	325910H	PRINTING INKS, NEC		
	Florida	7 105	N		United States	228 316	N
	Illinois	266 304	246 514		California	17 929	N
	Minnesota	72 051	84 339		Illinois	20 292	N
	Missouri	40 814	154 053	3259911	CUSTOM COMPOUNDING OF PURCHASED RESINS AND COLOR CONCENTRATES	54 001	N
	New Jersey	980 433	1 094 884		United States	5 773 884	N
	New York	995 499	1 062 524		Arizona	18 344	N
	North Carolina	1 233 767	522 273		California	263 436	N
	Ohio	154 119	188 190		Connecticut	218 505	N
	Wisconsin	34 202	N		Florida	53 048	N
3259101	LETTERPRESS PRINTING INKS				Georgia	328 882	N
	United States	184 336	140 463		Illinois	94 882	N
	California	25 164	23 939		Indiana	476 403	N
	Illinois	20 591	8 806		Kentucky	42 522	N
	New Jersey	8 230	10 700		Massachusetts	299 624	N
	Ohio	12 516	7 823		Michigan	247 041	N
	Texas	8 096	7 491		Minnesota	118 454	N
3259104	LITHOGRAPHIC AND OFFSET PRINTING INKS				Mississippi	242 164	N
	United States	1 680 418	1 394 486		Missouri	50 911	N
	Arizona	7 013	9 611		New Jersey	452 245	N
	California	155 395	138 841		New York	122 398	N
	Colorado	10 223	6 373		North Carolina	102 441	N
	Connecticut	27 306	17 694		Ohio	854 550	N
	Florida	81 192	39 064		Pennsylvania	300 593	N
	Georgia	33 483	35 877		Rhode Island	9 538	N
	Illinois	224 417	214 878		South Carolina	43 694	N
	Maryland	38 680	36 714		Tennessee	430 838	N
	Massachusetts	24 025	25 277		Texas	518 458	N
					Wisconsin	84 456	N

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		1997	1992			1997	1992
3259912	RESINS IN THE FORM OF PELLETS FROM SPENT OR POST CONSUMER PLASTICS			325998H	CHEMICAL PREPARATIONS, NEC, INCLUDING ESSENTIAL OILS—Con.		
	United States	501 958	N		United States	6 498 819	N
	California	25 452	N		Arkansas	26 208	N
	Massachusetts	57 823	N		California	309 513	N
	New Jersey	4 747	N		Colorado	22 001	N
	Ohio	36 460	N		Connecticut	79 872	N
	Pennsylvania	10 049	N		Florida	97 707	N
3259921	PHOTOGRAPHIC SENSITIZED FILM, PLATES, PAPER, AND CLOTH, SILVER HALIDE TYPE (EXCEPT X-RAY)				Georgia	333 608	N
	United States	6 840 400	N		Illinois	817 830	N
	Missouri	46 548	N		Indiana	103 703	N
3259923	SENSITIZED PHOTOGRAPHIC FILM, PLATES, PAPER, AND CLOTH, OTHER THAN SILVER HALIDE TYPE (INCLUDING X-RAY)				Louisiana	178 552	N
	United States	2 843 490	N		Maryland	91 952	N
	California	46 225	N		Massachusetts	343 649	N
	Georgia	11 150	N		Michigan	393 383	N
	Illinois	75 959	N		Minnesota	85 700	N
	New York	188 878	N		Missouri	42 891	N
	South Carolina	209 380	N		New Hampshire	34 736	N
	Texas	80 347	N		New Jersey	284 500	N
3259925	PREPARED PHOTOGRAPHIC CHEMICALS				New York	214 823	N
	United States	2 136 630	1 862 276	3261111	SINGLE-WEB FILM SPECIALTY BAGS, POUCHES, AND LINERS		
	California	135 846	81 414		United States	6 019 915	4 300 864
	New Jersey	124 708	115 724		California	487 670	408 594
	New York	654 917	N		Florida	130 134	89 766
	Pennsylvania	14 947	N		Georgia	325 598	312 363
3259981	EVAPORATED SALT (BULK, PRESSED BLOCKS, AND PACKAGED), EXCEPT TABLE SALT				Illinois	732 451	412 847
	United States	433 405	N		Indiana	265 250	258 481
	California	38 182	N		Kansas	104 326	41 951
	Kansas	98 471	N		Kentucky	60 882	97 826
3259984	MATCHES				Louisiana	33 115	62 380
	United States	62 665	62 222		Maryland	25 714	19 515
3259987	GELATIN, EXCEPT READY-TO-EAT DESSERTS (INCLUDING FOOD GRADE, PHARMACEUTICAL, PHOTOGRAPHIC, UNFILLED CAPSULES, ETC.)				Massachusetts	88 963	68 119
	United States	445 300	314 076		Minnesota	55 018	67 274
	Iowa	138 881	82 029		Missouri	82 745	91 344
325998A	WATER TREATING COMPOUNDS				New Hampshire	30 759	N
	United States	2 087 398	N	3261113	MULTIWEB FILM-FILM SPECIALTY BAGS, POUCHES, AND LINERS		
	California	162 431	N		United States	427 192	N
	Connecticut	3 587	N		California	43 370	N
	Florida	9 927	N		Georgia	32 931	N
	Georgia	374 006	N		Illinois	40 007	N
	Illinois	380 692	N		Minnesota	17 741	N
	Indiana	10 400	N		Wisconsin	8 063	N
	Kansas	24 747	N	3261121	COATED SINGLE-WEB FILM, ROLLS AND SHEETS (INCLUDING COEXTRUDED), FOR FLEXIBLE PACKAGING USE		
	Louisiana	37 817	N		United States	1 844 318	1 015 003
	Michigan	47 481	N		California	60 948	57 219
	Minnesota	4 805	N		Georgia	45 013	N
	New Jersey	192 729	N		Illinois	43 705	46 370
	Ohio	124 081	N		Indiana	83 666	110 011
	Pennsylvania	187 178	N		Massachusetts	28 328	N
	Tennessee	6 283	N		Michigan	9 785	N
	Texas	253 055	N		Minnesota	49 061	N
	Washington	26 441	N		Missouri	36 891	20 205
325998E	AUTOMOTIVE CHEMICALS				New Jersey	29 858	13 035
	United States	683 669	N		New York	51 109	24 071
	Indiana	6 602	N		North Carolina	92 210	N
	Michigan	24 528	N		Ohio	57 172	28 849
	Missouri	35 650	N		Tennessee	43 020	N
	Ohio	63 925	N		Wisconsin	535 335	318 209
	Oregon	5 880	N				
	Pennsylvania	51 942	N				
	Texas	59 884	N				
325998H	CHEMICAL PREPARATIONS, NEC, INCLUDING ESSENTIAL OILS						

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		1997	1992			1997	1992
3261123	FILM-FILM MULTIWEB LAMINATED ROLLS AND SHEETS, FOR FLEXIBLE PACKAGING USES			3261403	BUILDING AND CONSTRUCTION POLYSTYRENE FOAM PRODUCTS		
	United States	1 400 302	N		United States	909 166	N
	California	90 398	N		California	66 717	N
	Illinois	210 574	N		Florida	18 592	N
	Missouri	18 599	N		Georgia	43 667	N
	New York	28 953	N		Illinois	156 606	N
	Ohio	92 527	N		Michigan	66 241	N
	Wisconsin	323 854	N		Minnesota	30 419	N
3261221	PLASTICS PIPE				Missouri	72 976	N
	United States	3 805 800	N		North Carolina	31 969	N
	Alabama	66 611	N		Ohio	101 853	N
	Arkansas	69 297	N	3261404	FURNITURE AND FURNISHINGS POLYSTYRENE FOAM PRODUCTS		
	California	386 188	N		United States	19 948	N
	Colorado	82 808	N		United States	19 948	N
	Florida	140 297	N	3261405	CONSUMER AND INSTITUTIONAL POLYSTYRENE FOAM PRODUCTS		
	Georgia	188 117	N		United States	2 000 422	N
	Illinois	86 945	N		California	234 184	N
	Indiana	132 681	N		Florida	46 199	N
	Iowa	106 161	N		Georgia	282 073	N
	Kansas	64 298	N		Illinois	141 928	N
	Kentucky	136 935	N		Maryland	14 401	N
	Louisiana	42 316	N		Missouri	37 356	N
	Michigan	28 375	N		New Jersey	47 080	N
	Minnesota	114 348	N		Texas	166 938	N
	Mississippi	58 172	N	3261406	MISCELLANEOUS POLYSTYRENE FOAM PRODUCTS, NEC		
	Missouri	42 452	N		United States	169 913	N
	Nebraska	80 552	N		California	4 179	N
	Nevada	78 676	N		Missouri	14 330	N
	New Jersey	16 330	N		North Carolina	66 861	N
	New York	104 487	N	3261501	TRANSPORTATION POLYURETHANE FOAM PRODUCTS		
	North Carolina	256 032	N		United States	1 274 418	N
	Ohio	207 121	N		California	29 807	N
	Oklahoma	73 255	N		Illinois	34 222	N
	Oregon	98 590	N		Indiana	70 410	N
	Pennsylvania	282 300	N		Kentucky	34 497	N
	Rhode Island	7 614	N		Michigan	223 298	N
	South Carolina	53 850	N		North Carolina	77 158	N
	Tennessee	56 446	N		Ohio	177 763	N
	Texas	397 892	N		Tennessee	185 241	N
	Washington	78 172	N		Texas	7 081	N
	Wisconsin	52 998	N		Wisconsin	77 127	N
3261223	PLASTICS PIPE FITTINGS AND UNIONS			3261502	PACKAGING POLYURETHANE FOAM PRODUCTS		
	United States	673 433	N		United States	356 025	N
	Alabama	21 565	N		California	82 177	N
	California	47 474	N		Florida	11 843	N
	Kansas	13 477	N		Georgia	9 643	N
	New Jersey	8 368	N		Illinois	6 918	N
	New York	14 321	N		Indiana	19 927	N
	Ohio	48 269	N		Massachusetts	26 832	N
	Oklahoma	33 013	N		Michigan	22 257	N
	Texas	18 186	N		New Jersey	16 430	N
3261401	TRANSPORTATION POLYSTYRENE FOAM PRODUCTS (INCLUDING SEATING, DASH, AND OTHER INTERIOR-EXTERIOR COMPONENTS)				North Carolina	8 466	N
	United States	188 849	N		Ohio	9 917	N
3261402	PACKAGING POLYSTYRENE FOAM PRODUCTS				Pennsylvania	15 248	N
	United States	1 282 519	N	3261503	BUILDING AND CONSTRUCTION POLYURETHANE FOAM PRODUCTS		
	Arkansas	12 600	N		United States	481 221	N
	California	194 013	N		Indiana	10 317	N
	Colorado	8 373	N		New Jersey	33 205	N
	Georgia	59 103	N		Texas	63 463	N
	Illinois	104 944	N	3261504	FURNITURE AND FURNISHINGS POLYURETHANE FOAM PRODUCTS		
	Indiana	101 195	N		United States	2 257 718	N
	Kentucky	75 024	N		Arkansas	41 619	N
	Massachusetts	29 004	N		California	345 366	N
	Michigan	14 863	N		Florida	38 947	N
	Minnesota	11 440	N		Georgia	23 660	N
	Missouri	14 655	N		Illinois	84 711	N
	New York	116 156	N		Indiana	187 711	N
	North Carolina	66 561	N		Iowa	19 406	N
	Ohio	55 241	N		Massachusetts	25 608	N
	Pennsylvania	56 078	N		Mississippi	254 516	N
	Rhode Island	10 951	N		North Carolina	440 711	N
	Tennessee	27 288	N				
	Texas	80 120	N				
	Virginia	17 659	N				
	Washington	26 557	N				
	Wisconsin	22 636	N				

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NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)		NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)	
		1997	1992			1997	1992
3261504	FURNITURE AND FURNISHINGS POLYURETHANE FOAM PRODUCTS—Con.			3261992	ELECTRICAL AND ELECTRONIC FABRICATED PLASTICS PRODUCTS (EXCEPT FOAM AND REINFORCED PLASTICS)—Con.		
	Oregon	21 958	N		Delaware	7 456	N
	Tennessee	117 323	N		Florida	146 080	64 980
	Texas	182 808	N		Georgia	103 350	50 872
3261505	CONSUMER AND INSTITUTIONAL POLYURETHANE FOAM PRODUCTS				Illinois	430 097	293 616
	United States	198 085	N		Indiana	356 317	221 069
	California	12 935	N		Iowa	66 381	26 872
	Ohio	25 238	N		Kansas	10 872	N
	Pennsylvania	32 306	N		Kentucky	165 792	141 515
3261506	MISCELLANEOUS POLYURETHANE FOAM PRODUCTS, NEC				Louisiana	19 257	N
	United States	358 130	N		Maryland	24 219	5 388
	California	46 959	N		Massachusetts	144 214	75 270
	Indiana	25 994	N		Michigan	193 515	130 019
	Massachusetts	35 147	N		Minnesota	153 198	104 978
	Michigan	27 843	N		Mississippi	6 284	7 726
	North Carolina	25 166	N		Missouri	38 021	25 883
	Tennessee	26 895	N		New Hampshire	21 712	9 562
	Texas	11 497	N		New Jersey	142 880	124 452
3261509	PRODUCTS MADE OF FOAM OTHER THAN POLYSTYRENE OR POLYURETHANE INCLUDING PHENOLICS, VINYL AND CELLULOSE ACETATE, ETC.				New York	155 012	117 311
	United States	955 303	N		North Carolina	203 218	145 896
	California	68 869	N		Ohio	351 733	257 097
	Illinois	34 103	N		Oklahoma	32 779	10 850
	Kentucky	58 521	N	3261993	INDUSTRIAL MACHINERY PLASTICS PRODUCTS, EXCEPT FOAM (INCLUDING GEARS, BEARINGS, BUSHINGS, CAMS, AND OTHER COMPONENTS)		
	Michigan	97 180	N		Oregon	83 942	53 282
	Missouri	9 604	N		Pennsylvania	239 523	197 292
	North Carolina	75 500	N		Rhode Island	51 758	30 281
	Ohio	54 960	N		South Carolina	119 213	66 670
	Texas	58 901	N		Tennessee	132 001	77 194
3261991	TRANSPORTATION FABRICATED PLASTICS PRODUCTS (EXCEPT FOAM AND REINFORCED PLASTICS)				Texas	243 015	109 250
	United States	12 906 473	8 167 794		Virginia	37 952	22 853
	Alabama	35 595	16 991		Washington	74 723	9 235
	Arkansas	71 686	N		Wisconsin	231 465	140 433
	California	529 013	381 072				
	Colorado	9 451	10 641				
	Connecticut	53 072	21 762				
	Delaware	3 788	N				
	Florida	140 217	88 812				
	Georgia	163 282	82 129				
	Idaho	5 972	N				
	Illinois	699 680	375 022				
	Indiana	1 074 674	525 225				
	Iowa	131 980	46 617				
	Kansas	39 170	8 146				
	Kentucky	374 183	236 639				
	Maryland	36 085	N				
	Massachusetts	150 060	17 589				
	Michigan	4 224 059	3 075 058				
	Minnesota	102 415	57 825				
	Missouri	264 605	93 661				
	Nebraska	45 394	17 449				
	Nevada	5 186	N				
	New Jersey	14 502	28 603				
	New York	212 731	190 194				
	North Carolina	198 462	92 568				
	Ohio	1 929 303	1 217 053				
	Oklahoma	34 836	N				
	Oregon	18 382	14 846	3261994	PLASTICS PACKAGING (EXCEPT FILM AND SHEET, FOAM, AND BOTTLES)		
	Pennsylvania	331 560	122 528		United States	8 369 157	6 048 659
	Rhode Island	23 339	10 257		Alabama	87 934	N
	South Carolina	136 715	N		Arizona	58 825	N
	Tennessee	603 848	255 681		Arkansas	69 404	12 156
	Texas	255 664	157 181		California	780 122	502 614
	Utah	16 629	N		Colorado	86 743	19 592
	Washington	71 121	95 132		Connecticut	130 202	154 536
	Wisconsin	246 454	241 977		Delaware	36 517	N
3261992	ELECTRICAL AND ELECTRONIC FABRICATED PLASTICS PRODUCTS (EXCEPT FOAM AND REINFORCED PLASTICS)				Florida	100 789	75 004
	United States	5 285 347	3 244 856		Georgia	235 230	145 561
	Alabama	6 747	12 036		Illinois	930 274	724 572
	Arizona	127 065	86 854		Indiana	513 932	342 923
	Arkansas	102 368	69 422		Iowa	120 427	107 681
	California	747 810	392 498		Kansas	22 068	27 892
	Colorado	161 131	59 776		Kentucky	243 251	141 091
	Connecticut	94 167	52 331		Louisiana	33 099	N
					Maryland	126 792	97 783
					Massachusetts	223 064	129 987
					Michigan	358 000	191 466
					Minnesota	317 954	156 690
					Mississippi	86 081	N

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		1997	1992			1997	1992
3261994	PLASTICS PACKAGING (EXCEPT FILM AND SHEET, FOAM, AND BOTTLES)—Con.			3261997	PLASTICS FURNITURE COMPONENTS AND FURNISHINGS (EXCEPT FOAM AND REINFORCED PLASTICS)		
	Missouri	251 437	206 540		United States	733 735	N
	Nevada	71 630	66 141		Arkansas	3 450	N
	New Jersey	473 303	399 947		California	59 866	N
	New York	280 299	266 856		Florida	5 825	N
	North Carolina	272 339	194 199		Illinois	21 799	N
	Ohio	506 508	389 599		Indiana	31 164	N
	Oklahoma	55 382	36 360		Iowa	19 345	N
	Oregon	36 676	28 243		Kansas	3 542	N
	Pennsylvania	579 269	537 150		Massachusetts	53 259	N
	Rhode Island	125 964	117 512		Michigan	131 637	N
					Minnesota	8 199	N
	South Carolina	111 505	78 670		Missouri	15 358	N
	Tennessee	58 622	145 274		New Jersey	34 956	N
	Texas	282 659	149 331		New York	74 556	N
	Virginia	274 572	106 853		North Carolina	47 832	N
	Washington	22 320	26 482		Ohio	41 937	N
	West Virginia	38 639	N		Pennsylvania	64 321	N
	Wisconsin	292 676	223 265		Tennessee	14 270	N
3261995	PLASTICS DINNERWARE, TABLEWARE, KITCHENWARE, AND OVEN-MICROWAVE WARE (EXCEPT FOAM AND CUPS)			3261998	BUILDING AND CONSTRUCTION FABRICATED PLASTICS PRODUCTS (EXCEPT FOAM, PLUMBING FIXTURES, HARDWARE, OR REINFORCED PLASTICS)		
	United States	1 676 248	1 298 822		United States	6 995 294	N
	Alabama	8 018	14 469		Alabama	49 829	N
	Arizona	10 524	N		Arizona	43 455	N
	California	187 314	89 608		Arkansas	32 888	N
	Connecticut	4 743	11 484		California	335 804	N
	Florida	5 216	N		Colorado	32 359	N
	Illinois	227 449	172 862		Connecticut	71 042	N
	Massachusetts	150 266	109 311		Delaware	17 705	N
	Michigan	12 028	N		Florida	125 768	N
	Mississippi	20 117	18 172		Georgia	164 853	N
	New Jersey	26 639	43 623		Illinois	235 065	N
					Indiana	177 557	N
	New York	53 095	42 845		Iowa	163 782	N
	Ohio	93 184	43 704		Kentucky	76 158	N
	Pennsylvania	77 101	49 204		Louisiana	8 409	N
	Texas	105 790	59 857		Maryland	177 482	N
	Wisconsin	54 319	33 656		Massachusetts	82 704	N
3261996	CONSUMER, INSTITUTIONAL, AND COMMERCIAL FABRICATED PLASTICS PRODUCTS (EXCEPT FOAM AND WIRE COATED), NEC				Michigan	451 210	N
	United States	13 135 914	N		Minnesota	96 495	N
	Alabama	134 205	N		Mississippi	168 307	N
	Arizona	211 072	N		Missouri	134 496	N
	Arkansas	133 404	N		Nebraska	27 606	N
	California	1 264 784	N		Nevada	13 869	N
	Colorado	232 028	N		New Hampshire	65 430	N
	Connecticut	213 075	N		New Jersey	400 869	N
	Delaware	193 118	N		New York	183 472	N
	Florida	263 614	N		North Carolina	295 583	N
	Georgia	197 978	N		Ohio	509 957	N
	Idaho	23 791	N		Oklahoma	24 866	N
					Oregon	118 651	N
	Illinois	1 381 566	N		Pennsylvania	791 974	N
	Indiana	313 697	N		Rhode Island	16 020	N
	Iowa	171 904	N		South Carolina	52 358	N
	Kansas	358 400	N		Tennessee	243 387	N
	Kentucky	113 521	N		Texas	478 697	N
	Louisiana	28 477	N		Utah	68 352	N
	Maryland	157 663	N		Virginia	229 536	N
	Massachusetts	473 094	N		Washington	189 911	N
	Michigan	318 551	N		West Virginia	162 824	N
	Minnesota	361 800	N		Wisconsin	199 559	N
				3261999	PLASTICS SHOE PRODUCTS, INCLUDING TAPS, SOLING SLABS, AND QUARTERLININGS		
	Mississippi	98 679	N		United States	189 826	115 724
	Missouri	403 723	N				
	Nebraska	77 643	N				
	Nevada	42 533	N				
	New Hampshire	68 452	N				
	New Jersey	374 258	N				
	New York	729 571	N				
	North Carolina	440 243	N				
	Ohio	1 306 940	N				
	Oklahoma	101 260	N	326199A	REINFORCED AND FIBERGLASS PLASTICS PRODUCTS, NEC		
					United States	4 960 629	3 878 836
	Oregon	71 119	N		Alabama	159 231	170 808
	Pennsylvania	661 129	N		Arizona	57 882	N
	Rhode Island	47 793	N		Arkansas	179 558	103 319
	South Carolina	160 297	N		California	584 860	432 690
	Tennessee	286 058	N		Colorado	16 056	14 989
	Texas	855 345	N		Connecticut	56 458	41 994
	Utah	34 878	N		Delaware	48 994	N
	Vermont	42 349	N		Florida	71 126	28 217
	Virginia	64 151	N		Georgia	89 353	35 034
	Washington	59 071	N		Illinois	309 191	200 242
	Wisconsin	572 399	N				

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NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)		NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)	
		1997	1992			1997	1992
326199A	REINFORCED AND FIBERGLASS PLASTICS PRODUCTS, NEC—Con.			3262203	HOSE FOR ON- AND OFF-HIGHWAY MOTOR VEHICLES (MADE OF RUBBER AND OTHER MATERIALS, INCLUDING PLASTICS AND NYLON)		
	Indiana	531 053	454 373		United States	948 356	571 280
	Iowa	13 714	32 691		North Carolina	107 478	92 968
	Kansas	32 960	26 776		Ohio	168 335	83 611
	Kentucky	108 147	10 561		Tennessee	84 459	46 588
	Louisiana	12 723	15 430				
	Maine	7 310	4 482	3262204	INDUSTRIAL RUBBER AND PLASTICS HOSE WITHOUT FITTINGS (CHEMICAL HANDLING, FOOD AND BEVERAGE, PETROLEUM CURB PUMP, DOCK, TRANSFER, ETC.)		
	Massachusetts	54 902	38 450		United States	453 363	211 616
	Michigan	205 820	219 118		California	29 639	8 531
	Minnesota	181 408	141 788		Florida	32 098	N
	Mississippi	6 209	16 801		Illinois	32 905	N
	Missouri	64 314	35 368		Kansas	12 977	N
	Nebraska	20 704	9 066		New Jersey	5 497	N
	New Jersey	28 356	26 604		Ohio	48 239	37 154
	New York	175 943	79 554		Pennsylvania	13 275	N
	North Carolina	61 397	166 255	3262205	RUBBER AND PLASTICS WATER HOSE (INCLUDING FIRE, IRRIGATION, WATER SUCTION-DISCHARGE, AND OTHER WATER HOSE), NEC		
	Ohio	525 405	449 381		United States	136 684	129 770
	Oklahoma	26 921	10 470		California	42 568	33 138
	Oregon	30 112	28 685	3262206	RUBBER AND PLASTICS GARDEN HOSE WITH OR WITHOUT FITTINGS		
	Pennsylvania	300 017	310 778		United States	229 985	209 918
	Rhode Island	11 006	8 134	3262207	RUBBER AND PLASTICS INNER TUBE TYPE AIRHOSE OTHER THAN PNEUMATIC POWER TRANSFER		
	South Carolina	71 879	37 623		United States	108 426	119 919
	Tennessee	85 309	78 562		Ohio	19 530	22 958
	Texas	316 985	255 172	3262208	PNEUMATIC AND HYDRAULIC INNER TUBE TYPE HOSE WITHOUT FITTINGS (MADE OF RUBBER AND OTHER MATERIALS, INCLUDING PLASTICS AND NYLON), NEC		
	Utah	4 027	12 227		United States	496 526	287 944
	Virginia	164 432	N	3262911	MOLDED RUBBER MECHANICAL GOODS, AUTOMOTIVE		
	Washington	71 801	60 030		United States	2 288 382	1 685 626
	Wisconsin	164 600	123 655		California	7 447	3 177
3262111	PASSENGER CAR PNEUMATIC TIRES (CASINGS)				Florida	2 741	N
	United States	6 677 438	5 927 737		Georgia	66 333	N
	Alabama	898 056	913 073	3262209	RUBBER AND PLASTICS INNER TUBE TYPE AIRHOSE OTHER THAN PNEUMATIC POWER TRANSFER		
	North Carolina	1 251 084	1 016 752		United States	108 426	119 919
	Oklahoma	1 156 185	1 275 429	3262210	RUBBER AND PLASTICS GARDEN HOSE WITH OR WITHOUT FITTINGS		
3262113	TRUCK AND BUS (INCLUDING OFF-HIGHWAY) PNEUMATIC TIRES				United States	229 985	209 918
	United States	5 157 561	3 608 029	3262211	TRACTOR AND IMPLEMENT (FARM AND INDUSTRIAL) PNEUMATIC TIRES		
	Alabama	528 534	N		United States	807 777	433 183
	Illinois	737 683	441 954	3262119	INDUSTRIAL AND UTILITY PNEUMATIC TIRES (INCLUDING GARDEN)		
3262117	TRACTOR AND IMPLEMENT (FARM AND INDUSTRIAL) PNEUMATIC TIRES				United States	190 015	179 320
	United States	807 777	433 183	326211B	OTHER PNEUMATIC TIRES AND CASINGS (INCLUDING MOTORBIKE, MOTORCYCLE, MOPED, BICYCLE, AIRCRAFT, AND MOBILE HOME)		
3262119	INDUSTRIAL AND UTILITY PNEUMATIC TIRES (INCLUDING GARDEN)				United States	200 260	158 185
	United States	190 015	179 320	326211D	SOLID AND SEMIPNEUMATIC TIRES		
326211B	OTHER PNEUMATIC TIRES AND CASINGS (INCLUDING MOTORBIKE, MOTORCYCLE, MOPED, BICYCLE, AIRCRAFT, AND MOBILE HOME)				United States	169 779	116 185
	United States	200 260	158 185	326211F	INNER TUBES		
326211D	SOLID AND SEMIPNEUMATIC TIRES				United States	144 418	116 119
	United States	169 779	116 185	326211H	TREAD RUBBER, TIRE SUNDRIES, AND REPAIR MATERIALS		
326211F	INNER TUBES				United States	870 252	721 865
	United States	144 418	116 119		Alabama	52 304	38 920
326211H	TREAD RUBBER, TIRE SUNDRIES, AND REPAIR MATERIALS			3262912	MOLDED RUBBER MECHANICAL GOODS, TRANSPORTATION (EXCEPT AUTOMOTIVE) AND OFF-HIGHWAY MACHINERY AND EQUIPMENT		
	United States	870 252	721 865		United States	547 974	315 356
	Alabama	52 304	38 920		Arizona	3 824	N
	North Carolina	159 510	130 538		California	13 353	14 338
3262201	FLAT RUBBER AND PLASTICS BELTS AND BELTING				Illinois	15 395	7 249
	United States	611 106	470 735		Indiana	12 330	8 110
	New Jersey	10 603	N		Michigan	14 388	18 253
	North Carolina	59 945	54 161		Minnesota	6 906	N
3262202	RUBBER AND PLASTICS TRANSMISSION BELTS AND BELTING OTHER THAN FLAT				New Jersey	10 263	2 598
	United States	813 666	555 997		North Carolina	13 556	N
	North Carolina	19 376	N		Ohio	86 752	27 255
	South Carolina	194 353	92 260		Oregon	9 859	6 972
					Texas	35 263	N

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U.S. Census Bureau, 1997 Economic Census Oct. 10, 2001

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		1997	1992			1997	1992
3262999	RUBBER GOODS, NEC—Con.			3272121	GLASS FIBER, TEXTILE-TYPE, MADE BY ESTABLISHMENTS PRODUCING GLASS		
	New Jersey	88 340	41 431		United States	1 939 530	1 264 398
	New York	23 452	19 669		Tennessee	155 207	N
	North Carolina	105 610	107 594	3272123	MACHINE-MADE PRESSED AND BLOWN TABLE, KITCHEN, ART, AND NOVELTY GLASSWARE, MADE BY ESTABLISHMENTS PRODUCING GLASS		
	Ohio	127 811	231 146		United States	989 377	784 842
	Pennsylvania	12 483	28 033		Ohio	328 947	222 202
	South Carolina	26 149	N		Pennsylvania	123 520	80 748
	Tennessee	28 526	30 673	3272125	MACHINE-MADE PRESSED AND BLOWN LIGHTING, AUTOMOTIVE, AND ELECTRONIC GLASSWARE, MADE BY ESTABLISHMENTS PRODUCING GLASS		
	Texas	35 827	26 060		United States	1 697 238	1 157 259
	Virginia	9 453	N		Kentucky	143 080	135 841
	Washington	6 671	3 561		Ohio	669 627	476 708
	Wisconsin	5 445	N		Pennsylvania	724 641	413 626
3271121	VITREOUS CHINA, PORCELAIN, AND EARTHENWARE (SEMITITREOUS) TABLE AND KITCHENWARE (INCLUDING BONE AND FELDSPAR)			3272127	ALL OTHER MACHINE-MADE PRESSED AND BLOWN GLASSWARE, MADE BY ESTABLISHMENTS PRODUCING GLASS		
	United States	418 642	N		United States	960 153	646 428
	California	27 032	N		Texas	24 632	N
	Ohio	42 169	N	3272129	HANDMADE PRESSED AND BLOWN GLASSWARE, MADE BY ESTABLISHMENTS PRODUCING GLASS		
3271124	POTTERY PRODUCTS, NEC (INCLUDING CHINA DECORATING FOR THE TRADE)				United States	173 923	118 497
	United States	1 005 781	N		California	6 453	4 161
	Arizona	15 365	N		Pennsylvania	47 275	N
	Arkansas	7 958	N		West Virginia	62 487	49 663
	California	203 079	N	3272151	MACHINE-MADE PRESSED AND BLOWN TABLE, KITCHEN, ART, AND NOVELTY GLASSWARE, MADE IN ESTABLISHMENTS NOT PRODUCING GLASS		
	Florida	8 745	N		United States	539 238	N
	Georgia	13 721	N		California	8 110	N
	Illinois	91 049	N	3272153	ALL OTHER MACHINE-MADE PRESSED AND BLOWN GLASSWARE, MADE IN ESTABLISHMENTS NOT PRODUCING GLASS		
	Indiana	3 466	N		United States	911 786	N
	Kansas	2 463	N		California	155 123	N
	Kentucky	27 498	N		New Jersey	120 440	N
	Maine	3 533	N		New York	73 923	N
	Massachusetts	16 014	N		Ohio	12 466	N
	Michigan	12 299	N		Pennsylvania	34 870	N
	Minnesota	2 896	N		Texas	35 233	N
	Missouri	11 718	N	3272155	HANDMADE PRESSED AND BLOWN GLASSWARE, MADE IN ESTABLISHMENTS NOT PRODUCING GLASS		
	Nevada	3 060	N		United States	141 138	151 162
	New Hampshire	14 883	N		California	20 858	37 152
	New Jersey	22 986	N		New Jersey	51 388	50 290
	New Mexico	4 716	N		Texas	6 187	N
	New York	63 251	N	3272157	LAMINATED GLASS, MADE IN ESTABLISHMENTS NOT PRODUCING GLASS		
	North Carolina	69 924	N		United States	D	D
	Ohio	66 434	N		California	13 732	13 973
	Oklahoma	37 460	N		Kentucky	153 037	83 738
	Oregon	2 916	N		Ohio	133 018	154 186
	Pennsylvania	52 464	N		Pennsylvania	145 635	173 924
	Tennessee	34 248	N	3272111	FLAT GLASS (FLOAT, SHEET, AND PLATE), MADE BY FLAT GLASS PRODUCERS		
	Texas	48 670	N		United States	1 888 468	1 400 727
	Utah	2 621	N		California	233 862	168 649
	Vermont	3 242	N	3272113	LAMINATED GLASS, MADE BY FLAT GLASS PRODUCERS		
	Virginia	3 174	N		United States	D	D
	Washington	8 982	N	3272115	OTHER GLASS PRODUCTS, NEC, MADE BY FLAT GLASS PRODUCERS		
	Wisconsin	16 894	N		United States	D	D
3271231	VITRIFIED CLAY SEWER PIPE AND FITTINGS			3272159	MIRRORS (DECORATED OR UNDECORATED), MADE IN ESTABLISHMENTS NOT PRODUCING GLASS		
	United States	46 531	42 851				
	California	25 607	24 341				
3271234	OTHER STRUCTURAL CLAY PRODUCTS, NEC (ARCHITECTURAL TERRA COTTA, DRAIN TILE, FLUE TILE, ROOFING TILE, CONDUIT, ETC.), EXCEPT CLAY REFRACTORIES						
	United States	63 929	63 464				
	California	17 151	22 333				
	Ohio	23 184	18 502				
3272111	FLAT GLASS (FLOAT, SHEET, AND PLATE), MADE BY FLAT GLASS PRODUCERS						
	United States	1 888 468	1 400 727				
	California	233 862	168 649				
3272113	LAMINATED GLASS, MADE BY FLAT GLASS PRODUCERS						
	United States	D	D				
3272115	OTHER GLASS PRODUCTS, NEC, MADE BY FLAT GLASS PRODUCERS						
	United States	D	D				
	California	75 668	41 487				

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NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)		NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)	
		1997	1992			1997	1992
3272159	MIRRORS (DECORATED OR UNDECORATED), MADE IN ESTABLISHMENTS NOT PRODUCING GLASS—Con.			3273901	PRECAST CONCRETE PRODUCTS—Con.		
	United States	1 040 404	803 325		Texas	114 826	N
	California	92 000	97 878		Utah	17 910	N
	Florida	14 264	10 278		Vermont	19 065	N
	Indiana	28 343	16 078		Virginia	91 874	N
	Mississippi	52 736	N		Washington	103 783	N
	New York	23 245	54 529		West Virginia	5 195	N
	North Carolina	135 057	125 799	3273904	PRESTRESSED CONCRETE PRODUCTS		
	Ohio	4 631	5 842		United States	1 342 329	914 329
	South Carolina	17 648	N		Alabama	30 359	27 099
	Tennessee	46 469	81 013		California	57 616	28 366
	Texas	9 361	N		Colorado	92 021	N
	Virginia	122 216	79 967		Florida	129 335	68 757
327215A	OTHER GLASS PRODUCTS, NEC. MADE IN ESTABLISHMENTS NOT PRODUCING GLASS				Georgia	84 473	38 222
	United States	D	D		Illinois	60 675	40 556
	Arizona	24 256	16 145		Indiana	31 105	27 033
	California	145 293	150 847		Iowa	32 470	13 878
	Colorado	58 229	29 015		Kentucky	17 958	18 333
	Connecticut	14 809	24 059		Louisiana	8 549	6 901
	Florida	95 480	77 251		Michigan	15 757	8 138
	Georgia	280 727	128 572		Minnesota	42 061	35 460
	Illinois	90 528	71 003		Mississippi	41 634	29 087
	Indiana	541 491	254 093		New Hampshire	6 753	N
	Kansas	25 352	10 390		New York	14 570	N
	Kentucky	197 449	160 740		North Carolina	26 876	19 870
	Maryland	10 844	N	3274201	GYPSUM BUILDING MATERIALS, BUILDING PLASTERS, ETC.		
	Massachusetts	90 020	49 729		United States	3 475 824	1 614 344
	Michigan	608 555	443 747		California	344 962	171 820
	Minnesota	242 356	114 634		Florida	239 558	136 106
	Missouri	52 866	N		Georgia	252 841	82 298
	Nebraska	5 814	N		Indiana	189 930	124 671
	New Jersey	49 608	36 847		Iowa	276 483	132 442
	New York	55 467	76 956		Michigan	130 624	57 242
	North Carolina	1 023 156	483 697		Nevada	114 763	61 782
	Ohio	404 474	308 250		New Jersey	108 469	N
	Oklahoma	25 784	16 214		New York	128 798	108 758
	Oregon	22 185	N		North Carolina	88 312	36 477
	Pennsylvania	126 954	127 964		Ohio	88 749	41 193
	South Carolina	114 504	N		Oklahoma	134 450	36 275
	Tennessee	252 504	245 778		Texas	385 493	116 835
	Texas	60 782	100 031				
	Virginia	70 833	65 778				
	Washington	132 919	67 494				
	West Virginia	7 607	N				
	Wisconsin	313 604	209 117				
3273901	PRECAST CONCRETE PRODUCTS			3274204	OTHER GYPSUM PRODUCTS (INCLUDING INDUSTRIAL PLASTERS)		
	United States	3 200 936	N		United States	474 847	N
	Alabama	82 581	N		California	47 792	N
	Arizona	80 426	N		Georgia	60 627	N
	Arkansas	26 558	N		Indiana	6 318	N
	California	527 655	N		Oregon	7 398	N
	Colorado	61 414	N		Texas	37 158	N
	Connecticut	63 121	N	3279101	NONMETALLIC SIZED GRAINS, POWDERS, AND FLOUR ABRASIVES (INCLUDING GRADED PRODUCTS ONLY)		
	Delaware	6 961	N		United States	549 166	556 563
	Florida	292 201	N		Illinois	38 347	N
	Georgia	151 063	N		Massachusetts	127 756	N
	Hawaii	8 732	N		New York	155 641	127 224
	Idaho	6 935	N		Pennsylvania	27 648	13 957
	Illinois	74 609	N		Texas	6 217	4 638
	Indiana	58 327	N	3279104	NONMETALLIC ABRASIVE PRODUCTS (INCLUDING DIAMOND ABRASIVES)		
	Iowa	42 917	N		United States	1 176 259	754 946
	Kansas	28 379	N		California	50 701	27 071
	Kentucky	33 303	N		Connecticut	45 851	32 542
	Louisiana	54 034	N		Florida	22 398	2 777
	Maine	29 967	N		Illinois	122 653	89 642
	Maryland	35 610	N		Indiana	25 696	15 195
	Massachusetts	55 427	N		Massachusetts	303 818	N
	Michigan	87 080	N		Michigan	65 144	44 947
	Minnesota	84 954	N		New Hampshire	13 584	N
	Mississippi	14 561	N		New Jersey	31 589	17 123
	Missouri	45 770	N		New York	44 914	28 521
	Montana	7 008	N		Ohio	224 337	73 959
	Nebraska	28 414	N		Pennsylvania	59 420	24 699
	Nevada	11 346	N				
	New Hampshire	19 566	N				
	New Jersey	49 542	N				
	New Mexico	8 891	N				
	New York	95 573	N				
	North Carolina	56 365	N				
	North Dakota	7 688	N				
	Ohio	136 113	N				
	Oklahoma	10 259	N				
	Oregon	41 454	N				
	Pennsylvania	200 246	N				
	Rhode Island	2 380	N				
	South Carolina	30 441	N				
	South Dakota	12 184	N				
	Tennessee	101 675	N				

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		1997	1992			1997	1992
3279107	NONMETALLIC COATED ABRASIVE PRODUCTS AND BUFFING WHEELS, POLISHING WHEELS, AND LAPS			3279931	MINERAL WOOL FOR THERMAL AND ACOUSTICAL ENVELOPE INSULATION (FOR INSULATING HOMES AND COMMERCIAL AND INDUSTRIAL BUILDINGS)—Con.		
	United States	2 026 254	1 540 126		Wisconsin	48 041	N
	California	58 394	41 787				
	Illinois	15 911	22 964	3279934	MINERAL WOOL FOR INDUSTRIAL, EQUIPMENT, AND APPLIANCE INSULATION		
	Massachusetts	10 121	16 578		United States	1 147 892	889 225
	New York	310 195	N		Alabama	38 022	N
	North Carolina	76 584	57 876		California	155 322	61 521
	Ohio	153 272	38 359		Georgia	25 237	29 441
327910A	METAL ABRASIVES				Indiana	169 402	87 447
	United States	136 642	N		Kentucky	66 725	N
3279911	DRESSED DIMENSION GRANITE (INCLUDING GNEISS, SYENITE, DIORITE, AND CUT GRANITE)				New York	29 439	N
	United States	539 053	451 437		Ohio	245 420	304 529
	Alabama	7 505	N		Pennsylvania	15 263	N
	Arizona	2 414	N		Tennessee	12 780	N
	California	23 702	21 058		Texas	164 865	N
	Connecticut	4 160	N		Wisconsin	4 867	N
	Florida	2 881	N	3311111	COKE OVEN AND BLAST FURNACE PRODUCTS, MADE IN STEEL MILLS		
	Georgia	70 427	62 268		United States	2 450 291	N
	Illinois	7 664	10 820		Alabama	108 916	N
	Indiana	9 933	N		Indiana	92 928	N
	Massachusetts	24 458	20 325		Maryland	78 482	N
	Minnesota	118 574	N		Ohio	687 023	N
	New Jersey	2 526	N				
	New York	15 572	8 486	3311112	IRON AND STEEL POWDERS, PASTE, AND FLAKES		
	North Carolina	49 784	23 414		United States	502 059	N
	Ohio	8 142	5 236		Indiana	47 561	N
	Pennsylvania	8 529	2 942		Michigan	24 465	N
	Texas	35 355	40 380		New York	29 667	N
	Utah	6 242	N		Pennsylvania	111 051	N
	Vermont	79 863	79 766				
	Wisconsin	7 613	4 022	3311113	STEEL INGOTS AND SEMIFINISHED SHAPES AND FORMS		
3279914	DRESSED DIMENSION LIMESTONE (INCLUDING DOLOMITE, TRAVERTINE, CALCAREOUS, TUFFA, AND CUT LIMESTONE)				United States	4 377 169	3 677 756
	United States	179 853	122 888		Illinois	402 935	287 779
	California	2 656	N		New York	66 924	N
	Illinois	13 847	8 731		Ohio	1 241 904	802 501
	Indiana	51 087	44 173		Pennsylvania	1 004 298	475 069
	Kansas	3 245	3 259		Texas	270 396	300 465
	Michigan	5 791	N				
	New York	3 630	N	3311115	HOT ROLLED STEEL SHEET AND STRIP, INCLUDING TIN MILL PRODUCTS, TINPLATE, BLACKPLATE, TERNEPLATE, AND TIN-FREE STEEL		
	Ohio	6 898	6 881		United States	22 060 627	17 284 088
	Texas	25 055	5 975		Alabama	942 007	N
	Wisconsin	16 145	2 162		Illinois	1 702 405	1 189 397
3279917	DRESSED DIMENSION MARBLE AND OTHER STONE				Indiana	5 643 207	4 905 424
	United States	237 277	160 720		Ohio	4 416 619	3 734 377
	Alabama	4 342	N		Pennsylvania	2 287 234	1 931 439
	Arizona	5 453	N		South Carolina	241 604	N
	Arkansas	2 822	N	3311117	HOT ROLLED STEEL BARS AND BAR SHAPES, PLATES, STRUCTURAL SHAPES, AND PILING, INCLUDING CONCRETE REINFORCING AND TOOL STEEL BARS		
	California	9 392	10 560		United States	13 383 096	10 032 507
	Colorado	10 261	N		Illinois	1 021 841	804 929
	Florida	2 746	6 668		Indiana	1 770 482	1 182 996
	Georgia	25 373	18 753		Kentucky	271 693	278 342
	Illinois	6 622	6 554		New York	226 721	340 125
	Massachusetts	3 078	N		Ohio	1 412 165	919 387
	New Jersey	3 257	2 756		Pennsylvania	1 422 081	1 727 804
	New York	33 864	20 809		Texas	1 337 754	819 956
	North Carolina	7 393	11 247	3311119	STEEL WIRE, INCLUDING GALVANIZED AND OTHER COATED WIRE, MADE IN STEEL MILLS PRODUCING WIRE RODS OR HOT ROLLED BARS		
	Ohio	20 319	13 023		United States	444 682	352 075
	Pennsylvania	14 486	12 705		Illinois	118 310	86 557
	Tennessee	6 371	6 817		Pennsylvania	236 008	N
	Texas	15 941	3 475				
	Vermont	14 222	11 519				
	Wisconsin	4 395	4 053				
3279931	MINERAL WOOL FOR THERMAL AND ACOUSTICAL ENVELOPE INSULATION (FOR INSULATING HOMES AND COMMERCIAL AND INDUSTRIAL BUILDINGS)						
	United States	2 987 004	2 042 575				
	Alabama	144 994	119 095				
	California	321 037	240 114				
	Georgia	383 859	296 094				
	Illinois	25 215	31 294				
	Indiana	138 916	89 390				
	Kansas	333 808	239 090				
	Mississippi	195 121	129 688				
	Ohio	325 947	N				
	Pennsylvania	215 008	164 567				
	Tennessee	21 036	N				

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		1997	1992			1997	1992
331111B	STEEL PIPES AND TUBES, MADE IN STEEL MILLS PRODUCING SEMIFINISHED SHAPES OR PLATE			3312221	NONINSULATED FERROUS WIRE ROPE, CABLE, AND STRAND, MADE IN PLANTS THAT DRAW WIRE		
	United States	2 734 679	1 692 939		United States	977 995	937 256
	Ohio	1 170 208	702 148		Arkansas	75 616	45 471
	Pennsylvania	130 216	87 315		California	49 579	N
331111D	COLD ROLLED STEEL SHEET AND STRIP, MADE IN STEEL MILLS PRODUCING HOT ROLLED SHEET OR STRIP			3312223	STEEL NAILS, STAPLES, TACKS, SPIKES, AND BRADS, MADE IN PLANTS THAT DRAW WIRE		
	United States	8 541 551	6 151 002		United States	446 963	N
	Indiana	3 325 509	2 123 110		California	49 741	N
	Ohio	1 205 621	1 270 391		Illinois	89 210	N
	Pennsylvania	1 881 104	1 497 742	3312225	STEEL WIRE, INCLUDING GALVANIZED AND OTHER COATED WIRE, MADE IN STEEL MILLS NOT PRODUCING WIRE RODS OR HOT ROLLED BARS, MADE IN PLANTS THAT DRAW WIRE		
	Wyoming	7 218	N		United States	1 996 859	1 760 680
331111F	COLD FINISHED STEEL BARS AND BAR SHAPES, MADE IN STEEL MILLS PRODUCING HOT ROLLED BARS AND BAR SHAPES				California	170 908	119 463
	United States	935 511	657 669		Connecticut	129 816	115 975
331111H	SEAMLESS ROLLED RING FORGINGS, FERROUS, MADE IN STEEL MILLS				Illinois	112 713	105 818
	United States	D	77 316		Indiana	147 186	131 386
331111J	OPEN DIE OR SMITH FORGINGS (HAMMER OR PRESS), FERROUS, MADE IN STEEL MILLS				Kentucky	114 078	N
	United States	D	114 047	3312227	STEEL FENCING AND FENCE GATES, MADE IN PLANTS THAT DRAW WIRE		
331111L	OTHER STEEL MILL PRODUCTS, INCLUDING STEEL RAILS, EXCEPT WIRE PRODUCTS				United States	401 723	357 432
	United States	585 921	382 762		Illinois	72 077	95 989
3311121	FERROCHROMIUM, INCLUDING BRIQUETS, FERROCHROMIUM SILICON, EXOTHERMIC CHROMIUM ADDITIVES, AND OTHER CHROMIUM ALLOYS			3312229	FERROUS WIRE CLOTH AND OTHER FERROUS WOVEN WIRE PRODUCTS, MADE IN PLANTS THAT DRAW WIRE		
	United States	D	D		United States	102 048	109 898
3311123	FERROSILICON, INCLUDING BRIQUETS, AND OTHER SILICON ALLOYS			331222B	OTHER FABRICATED FERROUS WIRE PRODUCTS (EXCEPT SPRINGS), MADE IN PLANTS THAT DRAW WIRE		
	United States	357 627	287 244		United States	978 695	627 404
3311125	OTHER FERROALLOYS				California	50 185	N
	United States	D	N	3313121	PRIMARY ALUMINUM INGOT, PRODUCED IN PRIMARY ALUMINUM REDUCTION PLANTS, INCLUDING PIGS, SOWS, AND MOLTEN METAL, EXCLUDING BILLET		
	Ohio	337 853	N		United States	4 981 718	4 032 332
3312211	COLD ROLLED STEEL SHEET AND STRIP, MADE IN STEEL MILLS NOT PRODUCING HOT ROLLED SHEET OR STRIP				Washington	1 217 782	1 304 760
	United States	4 101 917	3 311 387	3313123	PRIMARY ALUMINUM EXTRUSION INGOT (BILLET), PRODUCED IN PRIMARY ALUMINUM REDUCTION PLANTS		
	California	771 453	N		United States	1 134 653	992 736
	Connecticut	348 033	287 778		Washington	300 616	156 398
	Ohio	966 624	705 947	3313141	ALUMINUM INGOT, INCLUDING PIGS, SOWS, AND MOLTEN METAL, EXCLUDING BILLET, PRODUCED BY SECONDARY SMELTERS		
	Pennsylvania	581 132	742 474		United States	2 633 315	1 979 860
3312213	COLD FINISHED STEEL BARS AND BAR SHAPES, MADE IN STEEL MILLS NOT PRODUCING HOT ROLLED BARS AND BAR SHAPES				Arkansas	145 715	N
	United States	1 592 402	1 176 248		California	199 243	117 520
	Illinois	229 365	191 365		Illinois	94 439	110 977
	Michigan	168 563	99 836		Indiana	292 756	202 598
	Ohio	245 621	257 500		Ohio	150 753	136 501
	Pennsylvania	192 156	92 561		Pennsylvania	89 453	71 900
	Wisconsin	124 175	88 423		Tennessee	284 474	134 891

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		1997	1992			1997	1992
3313141	ALUMINUM INGOT, INCLUDING PIGS, SOWS, AND MOLTEN METAL, EXCLUDING BILLET, PRODUCED BY SECONDARY SMELTERS—Con.			3313199	ALUMINUM INGOT, EXCLUDING BILLET, PRODUCED IN ALUMINUM ROLLING MILLS		
	Wisconsin	147 738	97 472		United States	D	413 154
3313143	ALUMINUM EXTRUSION INGOT (BILLET), PRODUCED BY SECONDARY SMELTERS			331319A	ALUMINUM WIRE CLOTH AND WOVEN WIRE PRODUCTS, MADE IN NONFERROUS PLANTS THAT DRAW WIRE		
	United States	456 757	143 849		United States	D	N
	California	74 649	48 319				
	Illinois	9 600	N	331319C	ALUMINUM EXTRUSION INGOT (BILLET), PRODUCED IN ALUMINUM ROLLING MILLS		
	Texas	43 702	N		United States	527 490	152 366
3313145	ALUMINUM AND ALUMINUM-BASE ALLOYS POWDERS, PASTE, AND FLAKES			3314191	PRIMARY ZINC RESIDUES AND OTHER ZINC SMELTER PRODUCTS, PRODUCED FOR FURTHER REFINING		
	United States	194 538	N		United States	D	D
3313151	ALUMINUM PLATE (THICKNESS OF 0.25 IN. OR MORE), INCLUDING CONTINUOUS CAST			3314193	REFINED PRIMARY ZINC		
	United States	923 131	579 832		United States	505 366	D
	California	41 078	65 687		Illinois	158 678	N
3313153	ALUMINUM SHEET AND STRIP, INCLUDING CONTINUOUS CAST			3314197	PRIMARY PRECIOUS METALS AND PRECIOUS METAL ALLOYS		
	United States	10 514 924	8 261 104		United States	707 530	698 368
	Alabama	1 406 918	N		Arizona	72 992	N
	Illinois	258 235	N		New York	73 363	N
	Ohio	624 086	579 856				
	West Virginia	747 354	N	3314199	OTHER PRIMARY NONFERROUS METALS, NEC		
3313155	PLAIN ALUMINUM FOIL (LESS THAN .006 IN. THICK)				United States	D	1 555 693
	United States	1 044 976	D		Ohio	156 623	95 731
	Kentucky	48 478	N		Pennsylvania	353 233	N
3313161	EXTRUDED ALUMINUM ROD, BAR, AND OTHER EXTRUDED SHAPES				Washington	245 467	157 221
	United States	5 140 725	2 973 466	3314211	COPPER WIRE, BARE AND TINNED (NONELECTRICAL)		
	California	381 612	287 719		United States	316 744	227 943
	Florida	189 861	93 874		Connecticut	36 175	N
	Georgia	311 968	224 174		North Carolina	9 019	N
	Illinois	161 722	108 560		Pennsylvania	34 774	N
	Indiana	513 349	304 593		Wisconsin	5 633	N
	Michigan	199 490	124 767	3314213	COPPER AND COPPER-BASE ALLOY ROD, BAR, AND SHAPES		
	Mississippi	139 441	63 874		United States	2 675 502	2 312 068
	New York	366 829	152 375		New Jersey	36 672	N
	Ohio	459 703	255 372		Pennsylvania	213 690	153 008
	Pennsylvania	551 787	193 615	3314217	COPPER AND COPPER-BASE ALLOY SHEET, STRIP, AND PLATE		
	Tennessee	317 441	166 050		United States	1 823 193	1 352 725
	Texas	217 344	182 880		Connecticut	167 318	127 539
	Utah	119 713	N	3314219	COPPER AND COPPER-BASE ALLOY PIPE AND TUBE		
3313163	EXTRUDED AND DRAWN ALUMINUM TUBE				United States	2 270 688	1 531 681
	United States	835 635	538 798		New Jersey	20 798	N
	Arizona	106 265	33 985		Pennsylvania	235 899	N
	California	63 977	29 627	3314221	COPPER AND COPPER-BASE ALLOY WIRE, STRAND, AND CABLE FOR ELECTRICAL TRANSMISSION		
	Indiana	73 113	N		United States	914 402	604 251
	Michigan	32 150	N		Arkansas	85 508	N
	Ohio	30 089	17 018		California	41 725	11 965
	Virginia	94 666	N		Illinois	89 419	N
3313191	ALUMINUM AND ALUMINUM-BASE ALLOY WIRE AND CABLE (EXCEPT COVERED OR INSULATED), INCLUDING ACSR, PRODUCED IN ALUMINUM ROLLING MILLS				Indiana	104 437	64 575
	United States	164 246	D		Massachusetts	120 211	41 263
3313193	ROLLED ALUMINUM ROD, BAR, INCLUDING CONTINUOUS CAST				New York	159 249	212 641
	United States	422 473	D	3314223	COPPER WIRE CLOTH AND WOVEN WIRE PRODUCTS, MADE IN NONFERROUS PLANTS THAT DRAW WIRE		
3313197	ALUMINUM AND ALUMINUM-BASE ALLOY WIRE AND CABLE (EXCEPT COVERED OR INSULATED), INCLUDING ACSR, MADE IN NONFERROUS PLANTS THAT DRAW WIRE				United States	84 813	N
	United States	486 902	383 720				
	Alabama	66 797	N				

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NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)		NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)	
		1997	1992			1997	1992
3314911	NICKEL AND NICKEL-BASE ALLOY MILL SHAPES, INCLUDING NICKEL-COPPER ALLOYS United States Pennsylvania	1 071 644 31 096	682 277 18 448	331492A	OTHER NONFERROUS ADDITIVE ALLOYS United States Arizona Illinois Pennsylvania	407 931 4 765 4 935 98 228	N N N N
3314913	TITANIUM AND TITANIUM-BASE ALLOY MILL SHAPES, EXCLUDING WIRE United States Pennsylvania Washington	1 531 313 142 173 89 725	501 600 N N	3315111	DUCTILE IRON PRESSURE PIPE AND FITTINGS United States Alabama New Jersey Texas	1 542 695 701 798 190 486 99 387	1 125 531 578 230 143 761 N
3314915	BARE NONFERROUS METAL WIRE (EXCEPT ALUMINUM AND COPPER), MADE IN NONFERROUS PLANTS THAT DRAW WIRE United States Pennsylvania	263 036 54 479	173 895 N	3315113	OTHER DUCTILE IRON CASTINGS United States Alabama Arkansas California Connecticut Illinois Indiana Iowa Kansas Massachusetts Michigan Minnesota Missouri Ohio Oregon Pennsylvania Tennessee Texas Washington Wisconsin	3 471 990 208 741 5 401 56 715 7 106 227 668 199 152 69 622 44 963 5 445 209 825 83 307 19 665 665 649 11 066 228 513 125 868 118 365 3 437 678 359	1 778 380 90 753 N 21 029 N 199 681 102 042 7 174 22 622 N 94 449 35 109 N 327 500 N 80 146 80 979 49 897 N 345 859
3314917	NONFERROUS WIRE CLOTH AND WOVEN WIRE PRODUCTS, MADE IN NONFERROUS PLANTS THAT DRAW WIRE United States	D	N				
3314919	PRECIOUS METAL MILL SHAPES United States California Rhode Island	612 754 57 220 48 751	636 775 N 60 057				
331491C	ALL OTHER NONFERROUS METAL MILL SHAPES United States California Illinois New Jersey Ohio Pennsylvania Texas Washington	D 33 325 93 297 62 888 35 419 115 314 52 273 33 958	752 174 N 65 452 23 419 16 003 158 792 12 832 49 520	3315115	CAST IRON PRESSURE PIPE AND FITTINGS United States Michigan Ohio Texas	63 802 12 349 10 155 12 160	46 767 N N N
331491E	APPARATUS WIRE AND CORD AND FLEXIBLE CORD SETS (EXCEPT WIRING HARNESSSES), MADE IN PLANTS THAT DRAW WIRE United States Connecticut Illinois Indiana New York Pennsylvania Rhode Island	917 993 67 750 71 375 117 308 4 138 16 179 168 619	757 221 N 34 267 231 517 14 877 N 154 260	3315117	CAST IRON SOIL PIPE AND FITTINGS, ALL SIZES United States	254 152	189 059
331491G	MAGNET WIRE, MADE IN PLANTS THAT DRAW WIRE United States Connecticut Indiana	1 252 229 36 152 510 817	999 929 14 347 392 268	3315119	OTHER GRAY IRON CASTINGS United States Alabama Arkansas California Georgia Illinois Indiana Iowa Kansas Massachusetts Michigan Minnesota Missouri New Jersey New York North Carolina Ohio Oklahoma Pennsylvania Rhode Island Tennessee Texas Virginia Washington Wisconsin	6 055 346 46 256 17 007 67 094 91 982 325 333 921 913 232 310 44 040 38 255 1 004 607 47 405 52 575 23 099 12 860 4 169 1 294 048 19 441 271 238 5 745 202 410 180 729 58 409 29 142 796 123	3 908 916 65 835 14 830 47 564 52 664 238 248 587 128 161 210 26 047 21 159 625 093 28 626 N 12 003 11 563 15 400 804 656 17 303 197 908 N 142 220 98 899 57 536 7 289 443 722
3314921	OTHER NONFERROUS METAL POWDERS, PASTE, AND FLAKES United States California Michigan New Jersey New York Ohio Pennsylvania	963 564 92 473 38 332 40 403 56 727 21 571 243 492	N N N N N N N	331511A	STANDARD MALLEABLE IRON CASTINGS United States Wisconsin	205 659 21 241	188 739 26 572
3314923	SECONDARY LEAD United States California	717 903 108 393	574 309 N	331511C	PEARLITIC MALLEABLE IRON CASTINGS United States Illinois	132 615 10 920	105 467 N
3314927	SECONDARY ZINC United States Michigan	303 964 60 975	285 996 N	331511E	MOLDS AND STOOLS FOR HEAVY STEEL INGOTS United States Pennsylvania	54 305 13 191	112 136 N
3314929	SECONDARY PRECIOUS METALS AND PRECIOUS METAL ALLOYS United States	466 533	1 343 263				

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NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)		NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)	
		1997	1992			1997	1992
3315131	OTHER CARBON STEEL CASTINGS, EXCEPT INVESTMENT			3321121	HOT IMPRESSION DIE IMPACT, PRESS, AND UPSET NONFERROUS FORGINGS		
	United States	1 169 105	879 844		United States	1 528 804	965 101
	Alabama	136 664	N		California	334 305	176 057
	California	21 016	8 463		Illinois	112 146	N
	Indiana	28 679	N		Michigan	89 678	N
	Iowa	91 838	N		Pennsylvania	86 062	95 502
	Louisiana	18 520	N		Texas	94 076	35 192
	Michigan	39 198	38 731	3321122	OTHER NONFERROUS FORGINGS		
	Missouri	13 422	11 518		United States	518 512	172 350
	Ohio	167 524	173 106		California	154 550	58 973
	Oregon	2 217	N	3321161	METAL JOB STAMPINGS, EXCEPT AUTOMOTIVE		
	Pennsylvania	91 569	79 185		United States	7 976 387	5 076 881
	Texas	57 865	35 036		Alabama	59 140	53 427
	Utah	6 177	N		Arizona	51 584	33 877
	Washington	35 551	22 613		California	615 386	359 179
	Wisconsin	125 349	78 494		Colorado	74 711	42 629
3315133	HIGH ALLOY STEEL CASTINGS, EXCEPT INVESTMENT				Connecticut	418 838	316 683
	United States	738 566	432 207		Florida	120 810	43 891
	Alabama	37 585	24 814		Georgia	75 074	51 169
	California	21 486	5 037		Illinois	1 580 542	946 958
	Illinois	23 511	N		Indiana	326 511	166 449
	Iowa	4 381	6 074		Iowa	24 351	16 571
	Michigan	60 937	9 732		Kansas	9 644	6 330
	Minnesota	10 687	N		Kentucky	235 602	174 900
	Ohio	73 633	58 627		Maryland	34 542	10 858
	Oregon	57 803	N		Massachusetts	257 272	135 767
	Pennsylvania	59 987	53 280		Michigan	394 131	271 384
	Texas	37 900	25 145		Minnesota	583 558	284 402
	Washington	28 085	18 282		Mississippi	29 607	19 790
	Wisconsin	165 484	77 671		Missouri	89 584	60 288
3315135	OTHER ALLOY STEEL CASTINGS, EXCEPT INVESTMENT				New Hampshire	27 281	15 712
	United States	728 230	487 359		New Jersey	286 292	198 812
	California	55 297	N		New Mexico	4 097	N
	Michigan	28 643	23 362		New York	259 026	237 196
	Ohio	17 007	42 638		North Carolina	84 967	66 075
	Oregon	80 419	N		Ohio	862 595	624 010
	Pennsylvania	28 435	70 565		Oklahoma	20 738	11 797
	Texas	93 283	75 414		Oregon	27 041	24 099
	Washington	18 442	15 360		Pennsylvania	310 159	291 155
	Wisconsin	46 177	41 547		Rhode Island	52 507	31 884
3321111	HOT IMPRESSION DIE IMPACT, PRESS, AND UPSET STEEL FORGINGS				South Carolina	16 576	10 341
	United States	3 152 952	2 142 359		Tennessee	143 338	65 296
	California	85 655	70 258	3321163	METAL SPINNING PRODUCTS, EXCLUDING COOKING AND KITCHEN UTENSILS		
	Colorado	48 427	N		United States	167 019	109 478
	Connecticut	50 756	39 067		California	21 741	7 354
	Illinois	262 460	184 886		Connecticut	5 501	N
	Indiana	59 837	85 581		Illinois	16 508	16 075
	Kentucky	132 032	N		Indiana	20 867	20 572
	Michigan	406 074	244 386		Michigan	18 860	N
	New York	20 032	22 112		Minnesota	5 755	N
	Ohio	531 618	330 107		Ohio	8 593	6 358
	Pennsylvania	250 874	250 293		Tennessee	5 415	N
	Texas	439 747	206 307		Wisconsin	20 340	18 172
	Wisconsin	264 200	157 578	3321165	OTHER STAMPED AND PRESSED METAL END PRODUCTS, INCLUDING VITREOUS ENAMELED PRODUCTS		
3321113	COLD IMPRESSION DIE IMPACT, PRESS, AND UPSET STEEL FORGINGS				United States	2 911 250	1 856 636
	United States	354 695	255 260		Arizona	21 711	21 869
	Michigan	71 253	N		California	207 421	162 198
3321115	SEAMLESS ROLLED RING FORGINGS, FERROUS, NOT MADE IN STEEL MILLS				Colorado	32 560	19 308
	United States	342 342	157 229		Connecticut	145 260	120 448
	California	141 197	45 223		Florida	66 966	48 145
	New York	56 310	N		Georgia	50 678	31 599
3321117	OPEN DIE OR SMITH FORGINGS (HAMMER OR PRESS), FERROUS, NOT MADE IN STEEL MILLS				Illinois	408 279	221 414
	United States	505 124	330 119		Indiana	26 321	18 692
	California	112 750	22 888		Iowa	81 673	N
	Illinois	38 097	N		Kansas	4 031	N
	New York	8 300	4 758		Kentucky	8 508	18 123
	Ohio	35 273	29 000		Louisiana	20 492	N
	Pennsylvania	150 504	111 301		Massachusetts	107 472	123 994
	Texas	77 742	52 203		Michigan	132 958	77 270
					Minnesota	281 821	59 459
					Missouri	132 602	107 690
					New Jersey	32 643	29 502
					New York	79 729	94 807
					North Carolina	18 805	N
					Ohio	223 765	169 761

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		1997	1992			1997	1992
3321165	OTHER STAMPED AND PRESSED METAL END PRODUCTS, INCLUDING VITREOUS ENAMELED PRODUCTS—Con.			3322127	OTHER HANDTOOLS, NEC—Con.		
	Oklahoma	56 590	N		North Carolina	9 095	N
	Oregon	28 117	9 905		Ohio	89 086	N
	Pennsylvania	256 861	132 502		Pennsylvania	112 050	N
	Rhode Island	73 915	N		South Carolina	80 343	N
	South Carolina	6 163	N		Tennessee	43 360	N
	Tennessee	43 978	15 254		Texas	4 872	N
	Texas	128 601	59 599	3322129	PRECISION MEASURING TOOLS (INSPECTION, QUALITY CONTROL, TOOL ROOM, AND MACHINISTS')		
	Washington	10 707	3 049		United States	701 831	N
	Wisconsin	38 234	77 615		California	159 215	N
3322111	CUTLERY, SCISSORS, SHEARS, TRIMMERS, AND SNIPS				Connecticut	21 258	N
	United States	870 855	N		Illinois	27 611	N
	California	86 934	N		Michigan	138 421	N
	Illinois	35 430	N		New York	103 992	N
	Massachusetts	31 859	N		Ohio	32 962	N
	New York	153 664	N	3322141	STAMPED AND SPUN UTENSILS, COOKING AND KITCHEN, ALUMINUM		
	Oregon	42 503	N		United States	783 759	541 323
	Pennsylvania	39 424	N		California	12 064	11 538
3322113	RAZOR BLADES AND RAZORS, EXCEPT ELECTRIC				Georgia	7 556	N
	United States	1 158 733	803 883		Illinois	34 074	N
	New Jersey	12 412	N		Kentucky	18 240	N
3322121	MECHANICS' HAND SERVICE TOOLS				New York	10 487	3 457
	United States	2 154 391	N	3322143	STAMPED AND SPUN UTENSILS, COOKING AND KITCHEN, EXCEPT ALUMINUM		
	California	63 559	N		United States	562 185	448 448
	Connecticut	60 528	N		Illinois	109 500	122 413
	Georgia	38 771	N		New York	12 854	N
	Illinois	247 914	N		Wisconsin	233 136	150 445
	Massachusetts	54 325	N	3323111	PREFABRICATED METAL BUILDING AND COMPONENT SYSTEMS, EXCLUDING FARM SERVICE BUILDINGS, RESIDENTIAL BUILDINGS, AND PARTS		
	Michigan	68 927	N		United States	2 969 439	1 674 112
	Minnesota	152 835	N		Alabama	162 257	98 547
	New York	74 582	N		Arizona	16 105	N
	North Carolina	231 472	N		Arkansas	76 581	N
	Ohio	168 386	N		California	118 053	110 334
	Pennsylvania	110 659	N		Florida	105 990	52 404
	South Carolina	110 577	N		Georgia	144 137	67 982
	Wisconsin	107 384	N		Illinois	314 069	N
3322123	EDGE TOOLS, HAND-OPERATED				Indiana	152 220	N
	United States	591 243	N		Iowa	159 682	N
	California	38 483	N		Louisiana	71 628	N
	Illinois	20 969	N		Mississippi	157 904	70 691
	Massachusetts	44 496	N		Missouri	60 461	N
	New Jersey	29 787	N		Nebraska	115 764	N
	Pennsylvania	21 627	N		New York	26 717	26 948
	Wisconsin	8 453	N		North Carolina	226 356	122 292
3322125	DIES AND INTERCHANGEABLE CUTTING TOOLS, FOR MACHINES AND POWER-DRIVEN HANDTOOLS				Ohio	86 349	55 598
	United States	833 765	595 439		Pennsylvania	27 746	42 844
	California	45 374	24 726		South Carolina	2 710	N
	Connecticut	5 208	4 443		Texas	327 028	171 251
	Georgia	27 187	18 498		Washington	31 226	N
	Illinois	82 050	56 446	3323113	OTHER PREFABRICATED AND PORTABLE METAL BUILDINGS AND PARTS		
	Indiana	48 532	45 474		United States	1 043 701	685 484
	Kentucky	71 495	N		Alabama	62 592	6 320
	Massachusetts	37 569	43 007		California	75 496	45 812
	Michigan	63 542	43 418		Colorado	17 714	3 836
	Minnesota	35 457	13 193		Connecticut	5 150	N
	Missouri	53 160	34 926		Florida	56 661	33 405
	New Hampshire	4 663	3 653		Georgia	76 933	32 566
	New Jersey	27 076	18 906		Indiana	13 901	N
	New York	22 972	17 838		Iowa	22 836	34 252
	North Carolina	46 315	36 472		Kentucky	11 118	12 400
	Ohio	93 854	51 056		Louisiana	11 321	11 173
	Pennsylvania	33 829	29 454		Michigan	10 190	18 084
	South Carolina	19 938	N		Minnesota	17 372	12 741
	Tennessee	14 602	12 615		Mississippi	12 087	N
	Texas	13 560	4 644		Missouri	29 859	17 530
	Virginia	25 995	14 455		New Jersey	9 788	N
	Washington	4 523	4 096		New York	34 256	42 401
	Wisconsin	14 146	30 911		North Dakota	13 947	N
3322127	OTHER HANDTOOLS, NEC				Ohio	62 454	22 160
	United States	1 344 119	N		Oregon	17 461	N
	California	68 629	N		Pennsylvania	59 650	25 973
	Connecticut	149 884	N		South Dakota	8 999	N
	Illinois	138 833	N		Texas	123 308	41 755
	Iowa	13 513	N				
	Kansas	25 632	N				
	Massachusetts	22 298	N				
	Michigan	14 784	N				
	Minnesota	44 219	N				
	New York	37 287	N				

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		1997	1992			1997	1992
3323121	FABRICATED STRUCTURAL METAL BAR JOIST AND CONCRETE REINFORCING BARS			3323125	OTHER FABRICATED STRUCTURAL METAL—Con.		
	United States	8 651 407	N		Montana	4 019	N
	Alabama	345 043	N		Nebraska	17 258	9 336
	Alaska	2 134	N		New Jersey	16 898	14 981
	Arizona	244 443	N		New Mexico	4 956	2 025
	Arkansas	189 758	N		New York	75 514	28 845
	California	642 671	N		North Carolina	69 765	N
	Colorado	109 425	N		Ohio	162 734	80 774
	Connecticut	34 484	N		Oklahoma	81 339	48 870
	Delaware	40 300	N		Oregon	57 715	39 986
	Florida	307 915	N		Pennsylvania	203 464	71 773
	Georgia	187 936	N		South Carolina	46 327	50 057
					Tennessee	41 156	33 288
	Idaho	15 778	N		Texas	583 520	132 092
	Illinois	472 453	N		Utah	19 131	38 760
	Indiana	355 783	N		Virginia	10 165	11 620
	Iowa	105 621	N		Washington	34 660	19 693
	Kansas	61 862	N		West Virginia	7 653	N
	Kentucky	57 480	N		Wisconsin	87 645	24 199
	Louisiana	71 314	N				
	Maine	37 278	N		METAL DOORS (EXCEPT STORM DOORS)		
	Maryland	97 466	N		United States	4 700 215	3 070 402
	Massachusetts	76 333	N		Alabama	77 326	51 536
					Arizona	85 975	50 050
	Michigan	316 202	N		Arkansas	130 327	109 156
	Minnesota	126 690	N		California	522 260	264 696
	Mississippi	151 023	N		Colorado	18 641	6 559
	Missouri	227 284	N		Florida	295 842	173 846
	Nebraska	106 600	N		Georgia	332 332	174 046
	New Hampshire	41 222	N		Illinois	173 663	132 677
	New Jersey	204 787	N		Indiana	289 210	172 859
	New Mexico	18 604	N		Kansas	117 455	56 061
	New York	205 391	N		Kentucky	10 854	4 613
	North Carolina	241 628	N		Maryland	13 579	N
					Massachusetts	17 004	14 792
	Ohio	352 627	N		Michigan	147 870	130 779
	Oklahoma	111 793	N		Minnesota	24 821	19 119
	Oregon	113 877	N		Missouri	43 279	25 858
	Pennsylvania	612 822	N		Nebraska	48 144	N
	Rhode Island	9 127	N		New Jersey	59 930	80 686
	South Carolina	388 892	N		New Mexico	6 130	N
	South Dakota	25 564	N		New York	91 619	79 394
	Tennessee	227 989	N		North Carolina	30 422	55 302
	Texas	800 628	N		Ohio	615 524	462 176
	Utah	237 583	N		Oklahoma	21 479	20 922
					Oregon	128 785	65 206
	Virginia	261 404	N		Pennsylvania	242 054	151 498
	Washington	120 668	N		Tennessee	268 205	232 687
	West Virginia	25 109	N		Texas	258 384	149 571
	Wisconsin	171 954	N		Utah	23 565	35 494
	Wyoming	8 953	N		Virginia	97 593	56 388
					Washington	51 859	20 449
					Wisconsin	128 041	55 539
3323123	FABRICATED STRUCTURAL METAL FOR BRIDGES			3323213	METAL WINDOWS (EXCEPT STORM SASH)		
	United States	566 114	512 226		United States	1 919 103	1 547 891
	Alabama	31 550	N		Alabama	12 491	10 131
	Georgia	8 434	N		Arizona	116 974	50 426
	Illinois	14 466	N		California	185 932	188 815
	Indiana	19 398	N		Florida	127 519	92 679
	Massachusetts	13 716	N		Georgia	63 498	36 253
	Nebraska	7 348	N		Illinois	71 464	22 807
	Ohio	25 517	24 716		Indiana	67 589	75 889
	Pennsylvania	47 666	N		Kansas	30 511	N
	Tennessee	10 276	N		Kentucky	9 757	10 976
	Virginia	29 348	31 992		Louisiana	13 051	9 137
	Washington	20 195	N		Massachusetts	14 182	10 893
					Michigan	42 514	75 181
					Minnesota	24 385	9 665
					Missouri	189 341	125 399
					Nebraska	7 937	N
3323125	OTHER FABRICATED STRUCTURAL METAL			3323215	METAL MOLDING AND TRIM AND STORE FRONTS		
	United States	3 248 613	2 027 655		United States	876 573	N
	Alabama	68 535	31 202		California	71 569	N
	Arizona	10 378	6 728		Florida	58 285	N
	Arkansas	7 119	4 037		Georgia	72 287	N
	California	242 994	135 329		Illinois	35 275	N
	Colorado	12 551	3 427		Indiana	38 622	N
	Florida	52 910	18 151		Missouri	33 130	N
	Georgia	84 378	21 503				
	Idaho	6 544	N				
	Illinois	129 968	69 792				
	Indiana	90 992	43 811				
	Iowa	30 682	26 271				
	Kentucky	46 707	19 810				
	Louisiana	546 363	322 896				
	Maine	24 729	N				
	Maryland	5 553	N				
	Massachusetts	10 071	33 048				
	Michigan	62 257	22 338				
	Minnesota	9 239	16 470				
	Mississippi	27 922	58 768				
	Missouri	34 387	30 338				

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		1997	1992			1997	1992
3323215	METAL MOLDING AND TRIM AND STORE FRONTS—Con.			3323227	SHEET METAL ROOFING AND ROOF DRAINAGE EQUIPMENT—Con.		
	New Jersey	9 159	N		Idaho	6 580	N
	New York	5 984	N		Illinois	73 890	59 603
	Ohio	54 147	N		Indiana	80 203	N
	Pennsylvania	104 657	N		Kentucky	28 558	29 070
	Tennessee	18 115	N		Louisiana	3 393	4 339
	Texas	148 390	N		Massachusetts	12 430	N
	Wisconsin	19 474	N		Michigan	20 933	12 002
3323217	METAL COMBINATION SCREEN, STORM SASH, AND STORM DOORS				Minnesota	33 147	N
	United States	485 069	396 912		Missouri	24 319	29 423
	Florida	22 965	3 240		Nevada	4 705	N
	Illinois	5 874	12 942		New Jersey	60 312	17 257
	Indiana	5 538	N		North Carolina	34 618	26 623
	Kansas	4 697	3 576		Ohio	66 903	87 220
	Massachusetts	2 381	N		Oregon	19 548	13 751
	North Carolina	38 089	53 751		Pennsylvania	111 698	118 156
	Pennsylvania	3 455	N		Tennessee	75 448	52 230
	Tennessee	24 661	19 999		Texas	136 613	120 505
	Texas	20 383	14 225	3323229	SHEET METAL FLOORING AND SIDING		
	Washington	7 694	N		United States	948 830	834 126
3323219	METAL WINDOW AND DOOR SCREENS (EXCEPT COMBINATION) AND METAL WEATHER STRIP				California	79 220	70 561
	United States	295 818	255 597		Florida	17 564	6 154
	California	34 594	44 940		Georgia	80 794	38 163
	Florida	14 822	9 275		Illinois	68 619	96 073
	Georgia	15 329	6 532		Indiana	39 855	17 396
	New Jersey	2 965	2 683		Kentucky	19 882	N
	Ohio	28 009	9 020		Massachusetts	4 336	N
	Tennessee	31 666	N		Michigan	20 825	3 540
	Texas	22 683	14 566		Missouri	12 988	N
	Wisconsin	68 748	51 337		New Jersey	89 277	N
3323221	SHEET METAL AIR-CONDITIONING DUCTS AND STOVE PIPE				North Carolina	17 937	N
	United States	1 403 145	1 030 509		Oregon	25 297	9 802
	Alabama	46 572	12 538	332322A	SHEET METAL AWNINGS, CANOPIES, CORNICES, AND SOFFITS		
	Arizona	3 401	N		United States	722 495	488 745
	Arkansas	17 753	N		Alabama	13 508	N
	California	99 066	78 752		California	104 420	35 405
	Colorado	16 027	N		Florida	48 757	32 785
	Connecticut	3 567	3 792		Maryland	6 175	4 205
	Florida	119 950	88 842		Massachusetts	7 413	N
	Georgia	43 953	23 285		Michigan	15 225	14 613
	Illinois	40 970	24 928		Minnesota	7 321	N
	Indiana	61 203	54 011		Missouri	11 327	N
	Iowa	5 952	5 434		New York	14 499	N
	Kentucky	9 567	11 510		Ohio	66 619	117 339
	Louisiana	14 696	6 444		Oregon	4 564	9 706
	Maryland	11 843	13 968	332322C	SHEET METAL ELECTRONIC ENCLOSURES		
	Massachusetts	22 665	33 798		United States	3 348 016	1 708 555
	Michigan	12 945	10 260		Alabama	9 064	14 806
	Minnesota	63 499	53 332		Arizona	69 877	26 416
	Mississippi	66 582	45 966		California	895 261	465 544
	Missouri	24 787	31 873		Colorado	68 142	36 539
	Nevada	4 233	3 012		Connecticut	21 148	17 059
	New Jersey	29 131	27 368		Florida	59 533	45 477
	New York	88 878	59 421		Georgia	21 229	16 870
	North Carolina	16 185	11 861		Illinois	159 774	99 315
	Ohio	87 630	70 802		Indiana	57 960	35 166
	Oklahoma	3 700	2 202		Maryland	23 656	15 596
	Oregon	12 229	5 455		Massachusetts	171 272	126 526
	Pennsylvania	123 232	100 210		Michigan	78 163	48 740
	South Carolina	10 013	13 685		Minnesota	149 607	75 507
	Texas	102 097	74 748		Missouri	21 221	12 564
	Utah	5 500	13 993		Nevada	24 658	N
	Virginia	42 274	22 560		New Hampshire	74 552	17 932
	Washington	31 460	15 729		New Jersey	129 015	81 035
	Wisconsin	8 145	10 958		New York	184 712	101 943
3323223	SHEET METAL CULVERTS, FLUMES, IRRIGATION PIPES, ETC.				North Carolina	115 123	21 056
	United States	424 827	331 271		Ohio	63 432	60 027
	California	12 642	14 643		Oklahoma	13 067	5 845
	Florida	27 401	23 048		Oregon	75 202	19 085
	Michigan	12 297	N		Pennsylvania	127 400	124 060
	Mississippi	30 364	N		South Carolina	15 337	4 217
	Nebraska	22 832	15 465		Texas	236 175	52 589
	Ohio	3 373	7 648		Utah	42 009	N
3323227	SHEET METAL ROOFING AND ROOF DRAINAGE EQUIPMENT				Virginia	15 722	8 367
	United States	1 390 714	1 150 171		Washington	108 308	40 818
	Alabama	63 752	22 872		Wisconsin	135 396	77 738
	Arizona	3 508	3 775				
	California	139 398	71 428				
	Colorado	23 647	N				
	Florida	40 142	72 019				
	Georgia	57 027	79 766				

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NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)		NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)	
		1997	1992			1997	1992
332322E	OTHER SHEET METAL WORK			3323235	OPEN METAL FLOORING, GRATING, AND STUDS		
	United States	4 778 535	2 825 779		United States	512 976	325 454
	Alabama	77 347	41 145		California	41 118	33 988
	Arizona	73 764	37 542		Connecticut	4 942	N
	Arkansas	71 246	N		Florida	5 982	3 882
	California	571 016	270 276		Illinois	55 120	36 458
	Colorado	66 096	25 816		Indiana	7 510	N
	Connecticut	44 029	47 758		Louisiana	3 182	2 207
	Florida	148 047	40 483		Mississippi	2 355	N
	Georgia	87 448	49 056		Missouri	23 602	3 540
	Idaho	35 986	6 975		Ohio	56 451	32 880
	Illinois	321 256	198 200		Oregon	9 070	2 198
	Indiana	202 880	149 347		Pennsylvania	37 349	24 420
	Iowa	90 440	17 953		South Carolina	2 503	N
	Kansas	79 834	55 210		Texas	45 963	34 697
	Kentucky	85 994	42 974		Washington	2 443	N
	Louisiana	17 905	14 893		Wisconsin	6 389	N
	Maine	4 498	N	3323237	METAL SCAFFOLDING AND SHORING AND FORMING FOR CONCRETE WORK		
	Maryland	17 761	9 306		United States	394 620	241 538
	Massachusetts	130 309	86 304		Alabama	13 014	N
	Michigan	185 635	143 740		Arkansas	6 709	N
	Minnesota	140 382	84 777		California	9 340	9 057
	Mississippi	22 931	15 879		Illinois	52 559	N
	Missouri	77 376	44 482		Kansas	25 364	N
	Nevada	19 270	N		Massachusetts	18 003	N
	New Hampshire	19 199	10 644		Michigan	3 168	2 811
	New Jersey	177 454	78 113		New York	9 545	2 573
	New York	206 743	194 698		Ohio	70 149	33 344
	North Carolina	107 459	68 683		Pennsylvania	21 654	24 231
	Ohio	372 167	245 577		Texas	26 360	N
	Oklahoma	31 957	19 051		Wisconsin	18 926	5 752
	Oregon	67 762	44 696	3323239	OTHER ARCHITECTURAL AND ORNAMENTAL WORK		
	Pennsylvania	228 634	167 596		United States	1 223 918	N
	South Carolina	47 431	15 295		Alabama	20 735	N
	Tennessee	62 465	35 494		Arizona	12 505	N
	Texas	272 380	174 923		Arkansas	21 463	N
	Utah	64 517	23 455		California	181 932	N
	Virginia	33 667	20 719		Colorado	28 846	N
	Washington	68 956	56 816		Connecticut	8 972	N
	West Virginia	11 314	N		Florida	17 620	N
	Wisconsin	323 202	151 044		Georgia	72 123	N
3323231	METAL GRILLES, REGISTERS, AND AIR DIFFUSERS				Illinois	83 202	N
	United States	494 749	321 641		Indiana	55 712	N
	California	13 126	N		Iowa	38 772	N
	Florida	58 338	50 172		Kansas	6 610	N
	Indiana	17 336	N		Kentucky	7 521	N
	Missouri	12 906	N		Louisiana	11 114	N
	New York	3 666	4 325		Maryland	31 265	N
	Texas	68 697	N		Massachusetts	22 587	N
3323233	ORNAMENTAL AND ARCHITECTURAL METAL WORK				Michigan	11 995	N
	United States	1 219 589	N		Minnesota	46 590	N
	Alabama	52 682	N		Missouri	20 225	N
	Arizona	19 443	N		Nebraska	35 325	N
	Arkansas	5 903	N		Nevada	11 755	N
	California	142 168	N		New Jersey	21 606	N
	Colorado	21 578	N		New York	75 383	N
	Connecticut	33 329	N		North Carolina	29 322	N
	Delaware	8 029	N		Ohio	53 733	N
	Florida	63 066	N		Oklahoma	5 513	N
	Georgia	24 935	N		Oregon	22 231	N
	Idaho	2 529	N		Pennsylvania	43 431	N
	Illinois	95 708	N		South Carolina	8 943	N
	Indiana	23 450	N		South Dakota	21 831	N
	Iowa	14 829	N		Tennessee	9 254	N
	Kansas	5 048	N		Texas	69 235	N
	Kentucky	17 417	N		Utah	5 004	N
	Louisiana	7 271	N		Washington	42 504	N
	Maryland	31 760	N		Wisconsin	33 679	N
	Massachusetts	17 259	N	3324101	FABRICATED HEAT EXCHANGERS AND STEAM CONDENSERS (EXCEPT FOR NUCLEAR APPLICATIONS)		
	Michigan	17 263	N		United States	2 098 378	1 535 751
	Minnesota	17 178	N		California	64 959	40 183
	Mississippi	3 834	N		Illinois	27 978	N
	Missouri	24 701	N		Indiana	31 361	N
	Nevada	5 894	N		Michigan	17 640	8 025
	New Jersey	25 245	N		Minnesota	33 651	N
	New Mexico	5 364	N		Missouri	61 751	N
	New York	48 003	N		New Jersey	60 585	59 529
	North Carolina	64 589	N		New York	321 169	294 185
	North Dakota	3 137	N		Ohio	71 794	40 100
	Ohio	76 298	N		Oklahoma	425 965	322 627
	Oklahoma	3 939	N				
	Oregon	18 733	N				
	Pennsylvania	132 698	N				
	South Carolina	18 003	N				
	Tennessee	20 102	N				
	Texas	66 091	N				
	Utah	21 982	N				
	Virginia	17 683	N				
	Washington	15 730	N				
	Wisconsin	15 288	N				

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U.S. Census Bureau, 1997 Economic Census Oct. 10, 2001

Table 2. **Product Class Shipments for Selected States: 1997 and 1992—Con.**

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NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)		NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)	
		1997	1992			1997	1992
3324393	STEEL SHIPPING BARRELS AND DRUMS, EXCLUDING BEER BARRELS (MORE THAN 12 GALLON CAPACITY)			3325107	OTHER TRANSPORTATION EQUIPMENT HARDWARE (EXCEPT MOTOR VEHICLE HARDWARE)—Con.		
	United States	764 495	753 768		Michigan	111 560	35 545
	California	52 219	75 655		New York	20 838	18 252
	Illinois	117 903	106 785		Ohio	36 298	15 906
	North Carolina	41 346	25 146		Pennsylvania	14 400	8 533
	Ohio	84 157	112 864		Rhode Island	7 443	6 315
	Pennsylvania	73 296	72 224		Wisconsin	30 186	18 622
	Texas	98 105	91 803	3325109	OTHER HARDWARE, NEC		
3324395	OTHER METAL CONTAINER MANUFACTURING				United States	965 325	N
	United States	D	N		Alabama	16 143	N
	California	36 464	N		California	85 429	N
	Indiana	72 475	N		Connecticut	26 505	N
	Iowa	28 548	N		Florida	4 432	N
	Minnesota	5 528	N		Georgia	52 918	N
	New Jersey	16 928	N		Illinois	63 690	N
	Ohio	12 312	N		Indiana	166 074	N
	Pennsylvania	11 397	N		Iowa	7 874	N
	Texas	2 350	N		Massachusetts	36 400	N
	Wisconsin	11 663	N		Michigan	73 890	N
3324397	AIR CARGO CONTAINERS, METAL				Minnesota	7 717	N
	United States	D	N		Missouri	8 934	N
3325101	FURNITURE HARDWARE (EXCLUDING CABINET HARDWARE)				New Jersey	9 872	N
	United States	761 545	702 454	3326111	HOT FORMED STEEL SPRINGS (EXCEPT WIRE)		
	California	107 973	123 919		United States	512 832	246 332
	Georgia	17 997	N		California	15 112	9 359
	Indiana	49 918	12 869		Illinois	65 932	35 461
	Michigan	99 094	82 592		Indiana	69 162	63 208
	Mississippi	104 830	N		Minnesota	7 190	3 535
	North Carolina	127 905	161 316		New York	3 453	N
	Pennsylvania	15 173	N		Pennsylvania	100 408	66 697
	Texas	15 827	N		Texas	13 635	5 213
3325103	BUILDERS' HARDWARE, INCLUDING FABRICATED METAL SAFES AND VAULTS			3326113	COLD FORMED STEEL SPRINGS, EXCEPT WIRE		
	United States	5 122 866	N		United States	351 232	197 363
	Alabama	145 245	N		California	27 329	23 102
	California	653 366	N		Connecticut	66 782	47 232
	Connecticut	391 958	N		Illinois	51 584	12 930
	Florida	17 825	N		Indiana	4 433	6 806
	Georgia	32 429	N		Massachusetts	6 001	N
	Idaho	6 586	N		Michigan	26 507	12 585
	Illinois	692 986	N		Ohio	40 104	19 400
	Indiana	329 621	N		Pennsylvania	40 188	33 050
	Kentucky	117 313	N		Texas	18 974	10 896
	Massachusetts	72 343	N		Wisconsin	10 173	N
	Michigan	135 562	N	3326122	PRECISION MECHANICAL WIRE SPRINGS		
	Mississippi	68 172	N		United States	929 182	654 371
	Missouri	23 531	N		Arizona	3 094	2 997
	New Jersey	38 355	N		California	53 964	39 082
	New York	221 867	N		Colorado	5 368	N
	Ohio	292 576	N		Connecticut	68 512	54 135
	Pennsylvania	191 898	N		Florida	22 246	N
	South Carolina	77 440	N		Georgia	35 592	26 652
	Tennessee	70 124	N		Illinois	162 557	102 851
	Texas	133 009	N		Indiana	45 733	47 312
	Virginia	120 904	N		Kentucky	20 288	N
	Washington	9 010	N		Massachusetts	35 481	9 338
	Wisconsin	271 035	N		Michigan	102 213	78 818
3325105	MOTOR VEHICLE HARDWARE (LOCK UNITS, DOOR AND WINDOW HANDLES, WINDOW REGULATORS, HINGES, LICENSE PLATE BRACKETS, ETC.)				Minnesota	9 771	7 684
	United States	3 093 874	2 574 103		Missouri	5 270	4 054
	California	75 029	N		New Jersey	5 654	5 768
	Illinois	189 954	202 422		New York	33 229	22 659
	Michigan	472 346	676 724		North Carolina	46 367	11 051
	Ohio	518 227	318 954		Ohio	77 007	54 051
	South Carolina	54 881	N		Oregon	10 315	6 617
	Tennessee	713 158	376 374		Pennsylvania	39 490	41 914
	Wisconsin	212 822	N		Tennessee	6 452	N
3325107	OTHER TRANSPORTATION EQUIPMENT HARDWARE (EXCEPT MOTOR VEHICLE HARDWARE)			3326124	OTHER WIRE SPRINGS		
	United States	508 822	D		United States	1 245 725	N
	California	113 231	103 881		California	38 830	N
	Connecticut	4 413	11 352		Connecticut	21 342	N
	Florida	55 547	27 796		Florida	5 221	N
	Indiana	9 055	5 978		Illinois	70 014	N
	Kansas	5 297	N		Indiana	94 321	N
					Massachusetts	18 755	N
					Michigan	99 434	N
					Mississippi	21 690	N
					New York	6 037	N

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		1997	1992			1997	1992
3326124	OTHER WIRE SPRINGS—Con.			332618B	OTHER FABRICATED FERROUS WIRE PRODUCTS (EXCEPT SPRINGS), NOT MADE IN PLANTS THAT DRAW WIRE—Con.		
	North Carolina	116 562	N		Kansas	8 377	3 410
	Ohio	145 499	N		Kentucky	50 630	38 486
	Oklahoma	4 035	N		Maine	8 029	N
	Pennsylvania	114 123	N		Maryland	110 903	48 785
	Texas	61 638	N		Massachusetts	69 983	50 346
3326181	NONINSULATED FERROUS WIRE ROPE, CABLE, AND STRAND, NOT MADE IN PLANTS THAT DRAW WIRE				Michigan	130 498	103 717
	United States	457 671	450 712		Minnesota	82 248	66 508
	California	44 034	34 644		Missouri	244 934	199 114
	Connecticut	19 747	22 689		New Hampshire	6 628	N
	Illinois	56 286	65 427		New Jersey	68 289	67 911
	Kentucky	8 533	N		New York	70 271	101 478
	Massachusetts	14 278	9 278		North Carolina	88 942	70 891
	Michigan	7 003	N		Ohio	105 400	107 512
	Minnesota	2 602	2 564		Oklahoma	67 988	N
	New Jersey	26 242	48 022		Oregon	40 891	24 499
	North Carolina	8 032	10 351		Pennsylvania	264 302	178 103
	Ohio	55 492	40 303		Rhode Island	14 683	20 063
	Pennsylvania	40 658	49 944		South Carolina	46 886	17 342
	Texas	37 367	23 791		Tennessee	203 436	134 786
	Wisconsin	13 831	19 791		Texas	101 565	115 831
3326182	OTHER METAL PRODUCTS, NOT MADE IN PLANTS THAT DRAW WIRE			3327211	PRECISION-TURNED PRODUCTS, AUTOMOTIVE	47 138	32 885
	United States	410 349	404 639		United States	1 886 830	1 100 197
	California	3 326	N		California	10 709	14 459
	Connecticut	46 807	N		Connecticut	29 142	15 048
	Pennsylvania	122 102	110 100		Florida	7 193	6 966
3326183	FERROUS WIRE CLOTH AND OTHER FERROUS WOVEN WIRE PRODUCTS, NOT MADE IN PLANTS THAT DRAW WIRE				Illinois	163 463	79 531
	United States	290 183	204 242		Indiana	109 930	70 548
	California	9 627	18 441		Iowa	54 078	N
	Michigan	12 116	4 401		Kentucky	13 425	N
	Minnesota	29 183	16 259		Massachusetts	3 203	6 283
	Ohio	10 217	7 014		Michigan	808 384	496 003
	Pennsylvania	9 602	14 834		Minnesota	10 270	18 771
	Texas	18 399	14 555		Missouri	77 639	41 200
3326185	NONFERROUS WIRE CLOTH AND OTHER NONFERROUS WOVEN WIRE PRODUCTS, NOT MADE IN PLANTS THAT DRAW WIRE			3327215	PRECISION-TURNED PRODUCTS, EXCEPT AUTOMOTIVE		
	United States	155 658	120 119		United States	4 135 005	2 141 359
	New Jersey	11 409	13 075		Arizona	32 255	43 815
	Ohio	3 346	N		Arkansas	17 136	6 293
	Pennsylvania	17 919	N		California	439 740	214 561
3326187	FABRICATED FENCING AND FENCE GATES, NOT MADE IN PLANTS THAT DRAW WIRE				Colorado	22 006	5 370
	United States	184 408	140 481		Connecticut	211 511	100 996
	California	14 964	12 052		Florida	81 883	50 238
	Illinois	7 545	N		Georgia	10 003	5 320
	Ohio	10 459	N		Idaho	9 540	N
	Texas	26 743	22 883		Illinois	494 891	257 413
3326189	STEEL NAILS, STAPLES, TACKS, SPIKES, AND BRADS, NOT MADE IN PLANTS THAT DRAW WIRE				Indiana	150 244	87 014
	United States	360 686	N		Iowa	20 546	7 402
	Arkansas	40 939	N		Kentucky	43 774	N
	Indiana	6 337	N		Louisiana	14 439	N
332618B	OTHER FABRICATED FERROUS WIRE PRODUCTS (EXCEPT SPRINGS), NOT MADE IN PLANTS THAT DRAW WIRE				Maryland	8 238	N
	United States	3 007 964	2 306 563		Massachusetts	113 202	67 382
	Alabama	53 401	36 695		Michigan	341 253	188 522
	Arkansas	33 134	32 950		Minnesota	262 658	82 938
	California	192 371	139 699		Mississippi	21 223	N
	Colorado	18 123	N		Missouri	77 161	47 622
	Connecticut	18 590	30 417		Nebraska	6 739	18 662
	Florida	109 553	131 245		Nevada	4 561	4 887
	Georgia	64 432	49 235		New Hampshire	35 005	14 090
	Illinois	356 621	241 501		New Jersey	87 580	62 732
	Indiana	178 287	105 922		New York	351 455	164 542
	Iowa	37 068	32 266		North Carolina	31 659	9 266
					Ohio	441 230	316 182
					Oklahoma	20 868	10 721
					Oregon	38 483	26 121
					Pennsylvania	224 976	119 236
					Rhode Island	10 178	9 818
					South Carolina	31 120	8 041
					South Dakota	10 200	N
					Tennessee	34 217	31 942
					Texas	126 841	23 153
					Washington	31 768	10 218
					Wisconsin	194 144	98 147

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		1997	1992			1997	1992
3327221	AIRCRAFT (INCLUDING AEROSPACE) FASTENERS OTHER THAN PLASTICS (MEET SPECIFICATIONS FOR FLYING VEHICLES)			3327229	PRODUCTS, OTHER THAN FASTENERS, MADE BY COLD-HEADING (OR WARM- OR HOT-HEADING) PROCESSES—Con.		
	United States	1 208 605	767 501		Ohio	73 385	73 274
	California	985 295	602 230		Pennsylvania	74 837	38 127
	Connecticut	13 987	16 623				
	Illinois	6 664	5 798	3329111	GATES, GLOBES, ANGLES, STRAIGHTWAY (Y-TYPE) CHECK, STOP AND CHECK, CROSS, 3- AND 4-WAY, AND OTHER INDUSTRIAL VALVES		
	Massachusetts	8 592	N		United States	1 317 414	1 139 789
	Michigan	6 671	6 686		California	84 038	94 328
	New Jersey	4 485	N		Illinois	52 651	31 808
	New York	13 673	2 373		Indiana	24 481	N
	Ohio	10 072	3 294		Iowa	30 963	19 536
					Kentucky	80 649	N
					Louisiana	69 858	61 472
					Massachusetts	51 065	49 055
3327223	EXTERNALLY THREADED METAL FASTENERS, EXCEPT AIRCRAFT TYPES				New Jersey	39 553	16 735
	United States	3 085 720	2 016 014		New York	31 694	N
	Alabama	82 131	43 907		North Carolina	78 402	66 417
	Arkansas	22 000	N		Ohio	108 001	N
	California	44 602	37 719		Oklahoma	52 679	40 995
	Connecticut	47 074	53 127		Pennsylvania	79 735	82 866
	Florida	17 655	10 215		Texas	206 308	180 586
	Georgia	7 953	N	3329113	INDUSTRIAL VALVES FOR WATER WORKS AND MUNICIPAL EQUIPMENT (IBBM, AWWA, AND UL)		
	Illinois	840 873	623 126		United States	741 713	542 562
	Indiana	193 431	97 249		Alabama	139 431	N
	Kentucky	40 317	51 414		California	37 206	65 687
	Massachusetts	50 737	34 981		Pennsylvania	12 507	18 801
	Michigan	543 216	290 646				
	Minnesota	2 513	9 862				
	Missouri	22 699	14 337				
	New Jersey	24 741	11 576				
	New York	90 036	85 746	3329115	INDUSTRIAL BALL VALVES (ALL METALS, PRESSURES, AND TYPES), INCLUDING MANUAL AND POWER-OPERATED, ON-OFF VALVES		
	Ohio	401 588	218 745		United States	1 161 437	947 009
	Pennsylvania	191 293	131 771		Illinois	78 097	39 381
	Rhode Island	12 391	10 950		New Jersey	3 743	N
	South Carolina	18 070	N		Ohio	84 011	72 590
	Tennessee	31 399	21 189		Oklahoma	137 699	73 302
	Texas	116 771	68 126		Pennsylvania	38 904	24 823
	Virginia	91 916	69 427		Texas	251 772	119 086
3327225	INTERNALLY THREADED METAL FASTENERS, EXCEPT AIRCRAFT TYPES						
	United States	858 123	557 587	3329117	INDUSTRIAL BUTTERFLY VALVES (ALL METALS, PRESSURES, AND TYPES), INCLUDING MANUAL AND POWER-OPERATED, ON-OFF VALVES		
	California	58 565	N		United States	491 396	376 045
	Connecticut	30 517	N		Illinois	21 920	11 152
	Illinois	73 650	43 989		Ohio	22 833	30 162
	Indiana	71 161	53 070		Oklahoma	29 869	22 906
	Massachusetts	9 753	6 886		Pennsylvania	13 919	14 739
	Michigan	173 269	121 437		Texas	111 626	74 534
	Minnesota	2 957	N	3329119	INDUSTRIAL PLUG VALVES (ALL METALS, PRESSURES, AND TYPES), SUCH AS LUBRICATED, CYLINDRICAL ECCENTRIC, AND SLEEVE-LINED		
	Missouri	3 165	N		United States	359 633	274 622
	New Jersey	14 536	N		Illinois	8 511	N
	New York	17 058	8 061		New Jersey	3 397	N
3327227	NONTHREADED METAL FASTENERS, EXCEPT AIRCRAFT TYPES				Ohio	65 753	61 307
	United States	970 248	669 816		Pennsylvania	8 883	N
	Alabama	2 115	N		Texas	116 300	79 301
	California	34 267	33 990	332911B	INDUSTRIAL VALVES, NEC		
	Connecticut	98 736	69 385		United States	1 016 097	669 012
	Illinois	170 105	120 296		California	67 873	35 246
	Indiana	4 717	4 224		Illinois	28 505	48 617
	Massachusetts	23 755	26 231		Iowa	2 663	N
	Michigan	50 085	66 980		Michigan	64 143	49 547
	Minnesota	30 485	N		Missouri	78 564	44 573
	Missouri	7 746	N		New York	107 018	N
	New Jersey	125 878	54 736		North Carolina	118 190	42 946
	New York	54 670	41 525		Ohio	60 991	36 363
3327229	PRODUCTS, OTHER THAN FASTENERS, MADE BY COLD-HEADING (OR WARM- OR HOT-HEADING) PROCESSES				Oklahoma	14 517	7 881
	United States	858 745	538 712	332911D	NUCLEAR VALVES (N-STAMP ONLY)		
	California	73 966	48 196		United States	36 622	100 372
	Connecticut	53 719	37 249		Massachusetts	12 888	25 816
	Illinois	144 438	110 992		Pennsylvania	3 988	29 641
	Massachusetts	8 932	10 123				
	Michigan	308 444	113 061				
	New Jersey	2 485	36 665				
	New York	8 431	33 551				

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NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)		NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)	
		1997	1992			1997	1992
332911F	AUTOMATIC REGULATING AND CONTROL VALVES AND PARTS (EXCEPT NUCLEAR), POWER-OPERATED, DESIGNED FOR MODULATING (THROTTLING) SERVICE			332912D	PARTS FOR FLUID POWER VALVES		
	United States	2 134 578	1 585 247		United States	212 581	136 986
	California	333 669	234 582		California	22 514	39 050
	Illinois	35 274	64 750		Connecticut	14 612	N
	Indiana	30 823	38 177		Illinois	9 106	4 424
	New Jersey	34 555	N		Michigan	60 535	29 099
	New York	26 721	26 220		Minnesota	8 403	3 405
	Ohio	108 811	67 033		New York	12 058	9 983
	Pennsylvania	101 480	88 284		Ohio	17 663	7 436
	South Carolina	79 730	N		Wisconsin	16 143	5 424
	Texas	341 357	315 351				
	Wisconsin	130 467	117 613				
				332912F	AEROSPACE TYPE HYDRAULIC AND PNEUMATIC FLUID POWER HOSE OR TUBE END FITTINGS AND ASSEMBLIES		
					United States	541 440	N
332911H	SOLENOID-OPERATED VALVES AND PARTS, EXCEPT NUCLEAR AND FLUID POWER TRANSFER				California	149 798	N
	United States	485 022	393 413		Connecticut	49 110	N
	California	9 680	5 148				
	New Jersey	105 272	136 742				
3329121	AEROSPACE TYPE HYDRAULIC FLUID POWER VALVES			332912H	NONAEROSPACE TYPE FLARED (METAL) FITTINGS, COUPLINGS FOR, AND ASSEMBLIES OF TUBING USED IN FLUID POWER TRANSFER SYSTEMS		
	United States	672 902	N		United States	389 751	189 688
	California	189 630	N		Michigan	99 640	43 220
	Connecticut	24 044	N		Ohio	140 723	90 020
3329123	AEROSPACE TYPE PNEUMATIC FLUID POWER VALVES			332912J	NONAEROSPACE TYPE FLARELESS FITTINGS AND COUPLINGS, INCLUDING NONMETAL FITTINGS, USED IN FLUID POWER TRANSFER SYSTEMS		
	United States	499 415	N		United States	512 409	339 868
	California	116 832	N		Ohio	302 475	180 390
	Ohio	14 670	N				
3329125	NONAEROSPACE TYPE HYDRAULIC DIRECTIONAL CONTROL VALVES			332912L	NONAEROSPACE TYPE HYDRAULIC AND PNEUMATIC FITTINGS AND COUPLINGS FOR HOSE		
	United States	536 935	314 608		United States	849 786	421 300
	California	4 629	9 546		California	16 753	N
	Connecticut	6 440	N		Illinois	76 317	18 348
3329127	NONAEROSPACE TYPE HYDRAULIC VALVES, EXCEPT DIRECTIONAL CONTROL			332912N	NONAEROSPACE TYPE HYDRAULIC AND PNEUMATIC ASSEMBLIES OF HOSE		
	United States	719 670	374 522		United States	289 050	238 550
	California	12 044	8 428		California	2 055	N
	Illinois	263 295	138 542		Illinois	56 671	33 683
3329129	NONAEROSPACE TYPE PNEUMATIC DIRECTIONAL CONTROL VALVES			3329131	SINGLE LEVER PLUMBING FIXTURE CONTROLS, TWO OR THREE HANDLE BATH OR SHOWER FITTINGS, AND ANTISCALD BATH OR SHOWER VALVES (BRASS GOODS)		
	United States	619 943	324 237		United States	1 141 480	788 772
	California	7 657	2 685		California	200 800	138 929
	Connecticut	32 591	N		Illinois	49 129	N
332912B	NONAEROSPACE TYPE PNEUMATIC VALVES, EXCEPT DIRECTIONAL CONTROL			3329133	LAVATORY AND SINK FITTINGS (EXCEPT SINGLE CONTROL), INCLUDING DRAINS AND OVERFLOWS (BRASS GOODS)		
	United States	192 604	125 921		United States	843 751	578 803
	California	9 734	N		California	123 333	105 016
	Illinois	7 858	6 409		Connecticut	30 159	8 639

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NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)		NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)	
		1997	1992			1997	1992
3329137	MISCELLANEOUS PLUMBING FIXTURES, FITTINGS, AND TRIM (BRASS GOODS)			3329933	AMMUNITION (EXCEPT FOR SMALL ARMS), NEC		
	United States	1 655 265	N		United States	651 375	1 322 370
	California	503 149	N		California	14 253	N
	Connecticut	60 372	N	3329941	MACHINE GUNS (30 MM OR LESS, 1.18 IN. OR LESS)		
	Illinois	230 734	N		United States	109 852	256 215
	Indiana	61 314	N	3329943	SMALL ARMS (30 MM OR LESS, 1.18 IN. OR LESS)		
	Massachusetts	18 550	N		United States	1 008 730	949 583
	Michigan	91 873	N		California	28 103	53 519
	New York	76 951	N		Connecticut	227 461	207 619
	Ohio	20 190	N		Florida	6 299	14 953
	Pennsylvania	218 075	N		Maine	31 331	15 691
	Texas	50 274	N		Massachusetts	135 257	129 626
3329191	PLUMBING AND HEATING VALVES AND SPECIALTIES, EXCEPT PLUMBERS' BRASS GOODS				Pennsylvania	5 417	N
	United States	541 652	N		Tennessee	7 704	N
	California	16 856	N		Texas	20 627	18 370
	New York	8 691	N		Wisconsin	14 864	19 424
	Pennsylvania	87 490	N	3329951	GUNS, HOWITZERS, MORTARS, AND RELATED EQUIPMENT (MORE THAN 30 MM, MORE THAN 1.18 IN.)		
3329193	METAL FITTINGS, FLANGES, AND UNIONS FOR PIPING SYSTEMS				United States	705 785	354 251
	United States	1 813 262	N		Texas	22 158	N
	Alabama	39 951	N	3329952	OTHER ORDNANCE AND ACCESSORIES, NEC (ROCKET PROJECTORS, LINE THROWING GUNS, FLAME THROWERS, TORPEDO TUBES, ETC., AND PARTS)		
	California	68 956	N		United States	421 646	426 489
	Connecticut	33 081	N		California	23 993	N
	Illinois	136 819	N		Wisconsin	8 649	N
	Indiana	119 386	N	3329961	ALUMINUM WELDED TUBE		
	Kentucky	33 005	N		United States	D	D
	Massachusetts	8 345	N	3329963	FABRICATED PIPE AND PIPE FITTINGS MADE FROM PURCHASED PIPE		
	Michigan	45 422	N		United States	D	2 807 275
	Missouri	59 388	N		Alabama	80 467	N
	Ohio	185 139	N		Arkansas	108 947	N
	Oklahoma	22 303	N		California	193 687	N
	Pennsylvania	333 856	N		Colorado	2 353	N
	Tennessee	17 269	N		Florida	18 755	N
	Texas	238 182	N		Georgia	76 427	N
3329911	BALL BEARINGS, COMPLETE, UNMOUNTED				Idaho	2 864	N
	United States	2 107 110	1 556 611		Illinois	113 206	N
	Connecticut	108 520	108 813		Indiana	140 857	N
	Illinois	197 256	118 222		Kansas	18 053	N
	Indiana	139 117	N		Kentucky	35 979	N
	Kentucky	97 961	N		Louisiana	223 987	N
	New York	183 852	140 859		Massachusetts	13 440	N
	North Carolina	69 761	N		Michigan	293 775	N
	Ohio	219 050	288 609		Minnesota	46 228	N
	Pennsylvania	144 110	N		Missouri	42 886	N
	South Carolina	172 322	79 555		New Hampshire	13 245	N
3329913	TAPERED ROLLER BEARINGS (INCLUDING CUPS AND CONES), UNMOUNTED				New Jersey	63 979	N
	United States	1 470 822	936 148		New York	55 857	N
	South Carolina	246 136	207 603		North Carolina	108 316	N
3329915	ROLLER BEARINGS, EXCEPT TAPERED, UNMOUNTED				Ohio	268 955	N
	United States	1 171 970	810 443		Oklahoma	183 404	N
	North Carolina	44 784	N		Oregon	74 246	N
	South Carolina	508 400	N		Pennsylvania	228 719	N
3329917	MOUNTED BEARINGS, EXCEPT PLAIN				Rhode Island	5 428	N
	United States	475 039	359 446		South Carolina	86 833	N
	Indiana	99 450	N		Tennessee	216 680	N
3329919	PARTS AND COMPONENTS FOR BALL AND ROLLER BEARINGS, EXCEPT CUPS AND CONES (INCLUDING BALL AND ROLLERS SOLD SEPARATELY)				Texas	817 451	N
	United States	648 035	429 365		Utah	35 043	N
	Connecticut	73 165	37 254		Virginia	39 322	N
	Georgia	130 688	67 359		Washington	47 994	N
	Illinois	33 827	28 993		Wisconsin	79 801	N
	Indiana	58 591	53 890	3329991	CONVERTED UNMOUNTED ALUMINUM FOIL PACKAGING PRODUCTS		
	South Carolina	91 461	45 001		United States	825 595	885 777
3329931	ARTILLERY AMMUNITION (MORE THAN 30 MM, MORE THAN 1.18 IN.)				California	12 378	14 451
	United States	647 163	1 028 393		Illinois	119 442	133 278
	California	30 434	109 859		Ohio	7 346	N
	Pennsylvania	107 991	110 309				

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		1997	1992			1997	1992
3329993	CONVERTED FOIL FOR NONPACKAGING APPLICATIONS AND FOIL AND LEAF			3331111	FARM-TYPE (POWER TAKE-OFF HP) WHEEL TRACTORS (2- AND 4-WHEEL DRIVE) (SOLD WITH OR WITHOUT ATTACHMENTS)—Con.		
	United States	751 995	608 171		United States	3 856 907	N
	California	7 971	10 426				
	Connecticut	14 598	N				
	Massachusetts	67 232	N				
	New Jersey	254 008	196 604				
	New York	45 549	40 719				
	Ohio	90 951	76 945				
3329994	MISCELLANEOUS MACHINERY PRODUCTS, EXCEPT ELECTRICAL, INCLUDING FLEXIBLE METAL HOSE AND TUBING, METAL BELLOWS, ETC.			3331113	FARM DAIRY EQUIPMENT, SPRAYERS AND DUSTERS (EXCEPT AERIAL TYPES), FARM ELEVATORS, FARM BLOWERS, AND ATTACHMENTS		
	United States	592 897	N		United States	745 305	N
	California	46 005	N		Georgia	21 329	N
	Connecticut	6 276	N		Iowa	85 853	N
	Georgia	21 161	N		Nebraska	12 298	N
	Indiana	20 755	N		North Dakota	8 295	N
	Kentucky	3 511	N		Wisconsin	128 311	N
	Massachusetts	45 971	N				
	Michigan	49 806	N	3331117	PLANTING, SEEDING, AND FERTILIZING MACHINERY AND ATTACHMENTS, EXCLUDING TURF MACHINERY		
	New Jersey	8 963	N		United States	1 080 018	520 758
	New York	5 060	N		Arkansas	20 095	N
	Ohio	58 349	N		Georgia	11 783	12 716
	Pennsylvania	11 787	N		Iowa	221 726	140 327
	Tennessee	49 960	N		Michigan	8 724	N
	Texas	33 929	N		Minnesota	62 607	33 416
3329997	FABRICATED METAL COLLAPSIBLE TUBES				Nebraska	16 681	12 884
	United States	53 062	55 972		North Carolina	3 586	N
3329999	FLAT METAL STRAPPING				North Dakota	81 282	14 657
	United States	349 386	298 534		Wisconsin	27 021	22 502
332999A	METAL LADDERS			3331119	HARVESTING MACHINERY (EXCEPT HAY AND STRAW) AND ATTACHMENTS		
	United States	411 441	252 199		United States	2 970 346	1 564 471
	California	21 562	15 920		California	31 197	27 115
	New York	2 493	7 030		Idaho	12 405	12 321
	Pennsylvania	95 865	N		Michigan	6 685	4 983
332999G	OTHER FABRICATED METAL PRODUCTS, NEC				Minnesota	51 247	N
	United States	5 725 969	N		Nebraska	107 106	N
	Alabama	90 482	N		North Dakota	19 729	8 584
	Arizona	45 033	N		Oregon	23 018	N
	Arkansas	70 842	N		Texas	4 075	N
	California	479 966	N		Washington	10 823	3 986
	Colorado	40 353	N		Wisconsin	32 088	21 411
	Connecticut	147 128	N				
	Florida	129 174	N	333111A	HAYING MACHINERY AND ATTACHMENTS		
	Georgia	98 843	N		United States	664 378	434 769
	Illinois	397 228	N		California	12 597	3 218
	Indiana	304 482	N		Illinois	10 336	N
	Iowa	120 851	N		Oregon	27 899	N
	Kansas	18 717	N		Texas	30 064	N
	Kentucky	132 176	N		Wisconsin	32 404	32 873
	Louisiana	29 511	N				
	Maryland	27 247	N	333111C	PARTS FOR FARM MACHINERY, FOR SALE SEPARATELY		
	Massachusetts	128 960	N		United States	1 425 475	1 486 003
	Michigan	601 096	N		California	8 679	21 080
	Minnesota	58 284	N		Colorado	3 284	18 187
	Mississippi	22 797	N		Georgia	8 648	24 108
	Missouri	85 926	N		Idaho	14 547	10 413
	Nebraska	125 178	N		Illinois	376 655	323 099
	Nevada	9 222	N		Indiana	34 684	33 900
	New Hampshire	17 907	N		Iowa	555 979	489 921
	New Jersey	84 445	N		Kansas	32 347	22 463
	New Mexico	7 785	N		Michigan	18 610	17 023
	New York	262 770	N		Minnesota	53 993	30 596
	North Carolina	112 217	N		Mississippi	5 872	8 630
	Ohio	357 254	N		Missouri	11 244	54 879
	Oklahoma	74 187	N		Nebraska	78 310	96 895
	Oregon	41 769	N		North Carolina	9 148	N
	Pennsylvania	412 579	N		North Dakota	24 857	16 958
	Rhode Island	84 883	N		Oklahoma	7 640	7 682
	South Carolina	107 948	N		Oregon	3 891	18 666
	Tennessee	108 685	N		South Dakota	8 134	4 408
	Texas	377 457	N		Texas	7 201	15 847
	Utah	49 187	N		Washington	4 362	N
	Virginia	15 514	N		Wisconsin	62 959	75 204
	Washington	72 927	N				
	Wisconsin	297 307	N				
3331111	FARM-TYPE (POWER TAKE-OFF HP) WHEEL TRACTORS (2- AND 4-WHEEL DRIVE) (SOLD WITH OR WITHOUT ATTACHMENTS)						

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		1997	1992			1997	1992
333111E	FARM PLOWS (INCLUDING PLOWSHARES, PRIMARY TILLAGE), HARROWS, ROLLERS, PULVERIZERS, AND CULTIVATORS AND WEEDERS, AND ATTACHMENTS			3331201	POWER CRANES, DOZERS, CONSTRUCTION TRACTORS, OFF-HIGHWAY TRUCKS AND TRAILERS, MIXERS, PAVERS, BACKHOES, AND RELATED EQUIPMENT		
	United States	608 954	267 735		United States	13 693 995	N
	Arkansas	4 262	3 814		Alabama	11 540	N
	California	14 372	6 752		Arkansas	13 222	N
	Georgia	19 961	6 622		California	38 223	N
	Illinois	92 641	33 667		Florida	20 361	N
	Iowa	218 123	91 700		Georgia	332 111	N
	Kansas	71 469	34 372		Iowa	2 124 404	N
	Mississippi	9 764	6 858		Kansas	424 762	N
	Nebraska	31 336	8 819		Louisiana	18 277	N
	North Dakota	33 911	10 361		Michigan	79 680	N
	Ohio	34 320	N		Minnesota	559 214	N
	Tennessee	9 300	N		Missouri	26 250	N
	Texas	12 686	6 585		Nebraska	78 318	N
	Washington	4 898	N		New Jersey	45 876	N
	Wisconsin	13 611	11 114		New York	73 329	N
333111G	ALL OTHER FARM MACHINERY AND EQUIPMENT, EXCLUDING PARTS, BUT INCLUDING ATTACHMENTS				North Carolina	384 051	N
	United States	1 836 550	N		Ohio	389 697	N
	Alabama	138 982	N		Oklahoma	313 841	N
	Arkansas	10 204	N		Oregon	75 477	N
	California	39 445	N		Pennsylvania	969 672	N
	Georgia	24 687	N		South Carolina	61 712	N
	Illinois	180 252	N		South Dakota	165 544	N
	Indiana	176 071	N	3331208	OTHER CONSTRUCTION MACHINERY AND EQUIPMENT (EXCLUDING PARTS)		
	Iowa	158 705	N		United States	2 122 257	N
	Kansas	104 938	N		California	17 826	N
	Minnesota	45 494	N		Illinois	76 894	N
	Mississippi	18 353	N		Indiana	40 382	N
	Missouri	7 806	N		Iowa	337 684	N
	Nebraska	427 389	N		Kansas	67 811	N
	North Carolina	105 230	N		Louisiana	23 019	N
	North Dakota	22 346	N		Massachusetts	24 886	N
	Ohio	17 056	N		Michigan	33 963	N
	Oklahoma	9 005	N		Minnesota	50 359	N
	Oregon	18 921	N		New York	14 703	N
	Pennsylvania	25 099	N		Ohio	105 093	N
	South Dakota	13 022	N		Oregon	13 777	N
	Tennessee	9 247	N		Pennsylvania	72 561	N
	Texas	20 761	N		South Dakota	45 601	N
	Washington	20 872	N		Tennessee	19 819	N
	Wisconsin	117 432	N		Texas	53 335	N
333111J	COMMERCIAL TURF AND GROUNDS CARE EQUIPMENT, INCLUDING PARTS AND ATTACHMENTS			3331209	PARTS FOR CONSTRUCTION MACHINERY AND EQUIPMENT, SOLD SEPARATELY		
	United States	1 340 221	834 041		United States	2 968 564	N
	Florida	4 960	N		Alabama	11 078	N
	Illinois	16 054	10 425		California	14 063	N
	Indiana	47 590	N		Illinois	867 062	N
	Iowa	13 618	N		Indiana	55 577	N
	Kansas	87 341	53 453		Iowa	386 449	N
	Minnesota	57 984	27 220		Kansas	96 620	N
	Missouri	5 100	N		Louisiana	10 095	N
	Nebraska	125 778	84 127		Massachusetts	21 806	N
	Ohio	11 783	N		Michigan	31 145	N
	Wisconsin	581 436	413 550		Minnesota	81 831	N
3331121	CONSUMER NONRIDING LAWN, GARDEN, AND SNOW EQUIPMENT				Nebraska	21 531	N
	United States	2 875 961	N		New York	18 313	N
	California	78 865	N		Ohio	115 412	N
	Indiana	26 625	N		Oklahoma	86 726	N
	Pennsylvania	9 378	N		Oregon	16 059	N
3331123	CONSUMER RIDING LAWN, GARDEN, AND SNOW EQUIPMENT				Pennsylvania	100 172	N
	United States	2 516 613	1 644 979		South Dakota	51 168	N
	Tennessee	722 644	463 560		Tennessee	37 610	N
	Wisconsin	714 156	N		Texas	102 661	N
3331127	PARTS AND ATTACHMENTS FOR CONSUMER LAWN, GARDEN, AND SNOW EQUIPMENT			3331311	UNDERGROUND MINING MACHINERY (EXCEPT PARTS SOLD SEPARATELY)		
	United States	816 253	637 187		United States	680 836	328 496
	Illinois	105 252	35 325		Michigan	23 013	N
	Kansas	17 502	29 116		Virginia	91 060	52 633
	Missouri	18 684	N		West Virginia	53 813	49 207
	Pennsylvania	5 398	3 884	3331313	MINERAL PROCESSING AND BENEFICIATION MACHINERY (EXCEPT PARTS SOLD SEPARATELY)		
	Tennessee	103 156	80 785		United States	633 663	76 609
	Wisconsin	103 965	129 178				

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NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)		NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)	
		1997	1992			1997	1992
3331315	CRUSHING, PULVERIZING, AND SCREENING MACHINERY (EXCLUDING PORTABLE COMBINATION PLANTS), EXCEPT PARTS SOLD SEPARATELY			3332103	WOODWORKING MACHINERY, INCLUDING PARTS, ATTACHMENTS, AND ACCESSORIES—Con.		
	United States	482 132	191 005		New Hampshire	3 401	N
	Ohio	13 680	N		North Carolina	71 415	39 778
	Wisconsin	105 766	37 469		Oregon	146 454	86 720
3331317	DRILLS AND OTHER MINING MACHINERY, NEC (EXCEPT PARTS SOLD SEPARATELY)				Pennsylvania	12 456	9 932
	United States	263 008	142 190	3332105	WOODWORKING MACHINERY FOR HOME WORKSHOPS, GARAGES, AND SERVICE SHOPS		
					Tennessee	30 293	17 529
3331319	PARTS AND ATTACHMENTS FOR MINING MACHINERY AND EQUIPMENT (SOLD SEPARATELY)				Texas	5 936	N
	United States	777 472	609 572		Vermont	4 532	N
	California	14 086	8 380	3332201	PLASTICS WORKING MACHINERY AND EQUIPMENT, EXCLUDING PATTERNS AND MOLDS		
	Illinois	46 829	13 748		United States	2 671 954	1 581 776
	Indiana	7 071	12 751		California	28 622	18 274
	Kentucky	27 037	32 053		Connecticut	162 917	60 727
	Michigan	25 751	10 294		Florida	9 971	11 822
	Missouri	14 531	16 358		Georgia	29 714	N
	Ohio	81 342	40 134		Illinois	145 517	48 459
	Pennsylvania	47 124	63 305		Indiana	45 729	N
	Texas	65 256	54 951		Kansas	26 148	13 028
	Virginia	82 449	79 065		Massachusetts	292 437	153 674
	West Virginia	25 132	21 334		Michigan	315 969	216 416
	Wisconsin	86 747	60 869		Minnesota	14 469	N
3331321	ROTARY OIL AND GAS FIELD DRILLING MACHINERY AND EQUIPMENT				Missouri	7 126	4 978
	United States	1 728 716	897 326		New Hampshire	14 787	N
	Louisiana	100 060	73 912		New Jersey	62 825	115 924
	Oklahoma	34 204	N		New York	97 664	63 161
	Texas	1 458 257	652 821	3332203	RUBBER WORKING MACHINERY AND EQUIPMENT, EXCLUDING TIRE MOLDS		
3331323	OTHER OIL AND GAS FIELD DRILLING MACHINERY AND EQUIPMENT				United States	290 979	185 281
	United States	691 092	183 644		California	16 413	5 950
	Louisiana	9 286	19 031		Indiana	10 043	N
	Texas	441 283	85 885		Massachusetts	4 049	N
3331325	OIL AND GAS FIELD PRODUCTION MACHINERY AND EQUIPMENT (EXCEPT PUMPS)				Michigan	8 784	N
	United States	1 798 028	1 188 527	3332911	PAPER INDUSTRIES MACHINERY		
	California	29 657	6 227		United States	1 956 175	1 376 689
	Louisiana	218 074	124 123		Alabama	20 377	11 092
	Oklahoma	306 243	155 914		Arizona	4 293	N
	Texas	1 175 499	866 314		California	10 360	5 983
3331327	PORTABLE OIL AND GAS FIELD DRILLING RIGS AND PARTS				Connecticut	19 844	19 838
	United States	526 919	337 870		Florida	29 563	N
	Pennsylvania	37 740	32 362		Georgia	24 732	N
	Texas	233 870	168 791		Illinois	24 548	27 600
3331329	OIL AND GAS FIELD DERRICKS AND WELL SURVEYING MACHINERY				Indiana	28 588	16 324
	United States	243 048	65 696		Louisiana	70 967	N
	Oklahoma	24 097	N		Maryland	93 622	42 582
	Texas	208 915	50 317		Massachusetts	78 286	90 484
3332103	WOODWORKING MACHINERY, INCLUDING PARTS, ATTACHMENTS, AND ACCESSORIES			3332913	PARTS AND ATTACHMENTS FOR PAPER INDUSTRIES MACHINERY (SOLD SEPARATELY)		
	United States	829 627	478 352		United States	814 234	685 302
	Alabama	4 214	3 433		Alabama	6 974	11 182
	Arizona	10 308	5 991		Georgia	7 607	9 703
	California	31 786	28 521		Indiana	5 035	5 468
	Georgia	10 584	N		Louisiana	2 662	N
	Illinois	16 214	11 046		Massachusetts	93 428	72 809
	Indiana	68 644	45 189		Michigan	2 757	N
	Michigan	32 365	11 064		New Hampshire	50 892	38 315
	Minnesota	56 765	28 441		New Jersey	111 578	63 736
	Mississippi	59 554	50 264		New York	56 557	50 604
	Missouri	8 905	N				

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NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)		NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)	
		1997	1992			1997	1992
3332913	PARTS AND ATTACHMENTS FOR PAPER INDUSTRIES MACHINERY (SOLD SEPARATELY)—Con.			3332939	PRINTING TRADES MACHINERY, NEC—Con.		
	Ohio	46 846	42 285		Missouri	29 958	N
	Oregon	6 785	21 763		New Hampshire	186 663	N
	Pennsylvania	33 217	19 305		New Jersey	62 833	N
	Washington	5 769	22 922		New York	43 027	N
	Wisconsin	290 037	236 959		North Carolina	42 139	N
3332921	TEXTILE MACHINERY (EXCEPT PARTS, ATTACHMENTS, AND ACCESSORIES)				Ohio	95 376	N
	United States	877 516	N		Oklahoma	6 879	N
	California	6 401	N	3332941	DAIRY AND MILK PRODUCTS PLANT MACHINERY AND EQUIPMENT, EXCEPT BOTTLING AND PACKAGING		
	Georgia	62 770	N		United States	285 898	261 683
	Illinois	57 232	N		California	7 738	3 941
	Kentucky	12 149	N		Minnesota	19 908	16 766
	Massachusetts	38 433	N		Wisconsin	93 574	116 964
	New Jersey	20 061	N	3332943	COMMERCIAL FOOD PRODUCTS MACHINERY, EXCEPT PACKAGING MACHINERY AND FOOD COOKING AND WARMING EQUIPMENT		
	New York	46 329	N		United States	943 885	753 323
	North Carolina	198 687	N		California	37 962	29 728
	Ohio	13 382	N		Georgia	69 139	N
	Pennsylvania	18 709	N		Illinois	184 291	88 922
	Rhode Island	7 734	N		Iowa	18 065	8 029
	South Carolina	150 278	N		Massachusetts	14 165	4 389
	Tennessee	30 164	N		Michigan	3 626	N
	Virginia	2 614	N		Minnesota	13 386	13 598
3332923	PARTS AND ATTACHMENTS FOR TEXTILE MACHINERY				Missouri	15 131	N
	United States	499 625	477 602		New Jersey	32 020	11 682
	Connecticut	35 011	24 123		New York	48 604	9 520
	Georgia	29 190	37 437		North Carolina	53 248	N
	Massachusetts	12 320	17 315		Ohio	143 313	160 094
	New Jersey	7 505	8 660		Oregon	7 839	N
	New York	19 103	20 751		Pennsylvania	27 163	32 282
	North Carolina	161 735	174 418		Texas	17 090	2 583
	Pennsylvania	13 891	7 790		Washington	44 032	N
	South Carolina	177 453	152 472				
	Tennessee	5 308	5 546				
3332931	PRINTING PRESSES, OFFSET LITHOGRAPHIC			3332945	INDUSTRIAL MACHINERY AND EQUIPMENT FOR MANUFACTURING OR PROCESSING FOODS, BEVERAGES, AND ANIMAL OR FOWL FEED		
	United States	584 387	616 547		United States	1 089 558	817 377
	California	3 588	N		Alabama	6 505	N
	Illinois	36 614	N		California	156 189	120 806
	New York	21 216	10 815		Colorado	59 225	N
	Texas	16 156	N		Florida	64 306	37 198
3332933	PRINTING PRESSES, OTHER THAN LITHOGRAPHIC				Georgia	89 024	73 108
	United States	383 117	N		Idaho	10 916	6 056
	Connecticut	3 081	N		Illinois	46 119	30 435
	Illinois	30 750	N		Iowa	78 778	50 966
	New Jersey	90 434	N		Kansas	70 985	36 974
	Wisconsin	81 185	N		Michigan	6 336	18 602
3332935	TYPESETTING MACHINERY, EXCLUDING JUSTIFYING TYPEWRITERS				Minnesota	31 884	18 020
	United States	D	133 350		Nebraska	7 514	15 989
3332937	PRINTING TRADES BINDING MACHINERY AND EQUIPMENT, INCLUDING PAPER CUTTING AND COLLATING OR GATHERING MACHINES				New York	20 899	27 392
	United States	354 522	177 006		Ohio	101 442	87 691
	Illinois	13 302	18 749	3332981	CHEMICAL MANUFACTURING MACHINERY, EQUIPMENT, AND PARTS		
	Michigan	29 181	23 902		United States	1 311 474	818 758
	New York	9 174	N		California	27 953	53 835
	Pennsylvania	49 936	N		Florida	20 285	17 029
3332939	PRINTING TRADES MACHINERY, NEC				Georgia	13 095	N
	United States	1 697 553	N		Illinois	132 655	42 230
	California	89 397	N		Louisiana	14 538	N
	Connecticut	80 360	N		Massachusetts	69 447	27 834
	Florida	10 012	N		Michigan	184 086	N
	Georgia	83 863	N		Minnesota	13 854	N
	Illinois	233 246	N		New Jersey	22 712	46 621
	Indiana	40 899	N		New York	150 629	33 493
	Kansas	27 257	N		Ohio	113 068	101 177
	Massachusetts	164 037	N		Oklahoma	53 835	40 078
	Michigan	23 524	N		Pennsylvania	120 123	138 558
	Minnesota	44 845	N		Texas	45 538	19 367

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NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)		NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)	
		1997	1992			1997	1992
3332983	FOUNDRIY MACHINERY AND EQUIPMENT, EXCLUDING PATTERNS AND MOLDS			3333134	CALCULATING AND ACCOUNTING MACHINES, EXCEPT POINT-OF-SALES TERMINALS AND FUNDS TRANSFER DEVICES—Con.		
	United States	367 622	319 026		United States	43 990	N
	California	4 713	N				
	Illinois	55 426	51 497	3333137	DUPLICATING MACHINES, EXCEPT PARTS AND ATTACHMENTS		
	Indiana	14 115	N		United States	129 535	D
	Michigan	56 219	53 639				
	Missouri	37 396	27 723	333313A	MAILING, LETTER HANDLING, AND ADDRESSING MACHINES, EXCEPT PARTS AND ATTACHMENTS		
	New Jersey	2 650	N		United States	1 405 817	1 171 762
	New York	11 144	N				
	Ohio	34 677	27 538	333313D	STANDARD TYPEWRITERS, DICTATING, TRANSCRIBING, RECORDING MACHINES, AND ALL OTHER OFFICE MACHINES, NEC, EXCEPT PARTS AND ATTACHMENTS		
	Pennsylvania	6 286	13 101		United States	386 035	N
	Wisconsin	19 232	13 609		Illinois	204 733	N
3332985	PRINTED CIRCUIT BOARD MANUFACTURING MACHINERY, EXCEPT TESTING			333313G	PARTS AND ATTACHMENTS FOR CALCULATING AND ACCOUNTING MACHINES		
	United States	941 482	575 522		United States	D	N
	California	293 557	181 833	333313J	PARTS AND ATTACHMENTS FOR OFFICE MACHINES, NEC, STANDARD TYPEWRITERS, DICTATING, TRANSCRIBING, AND RECORDING MACHINES		
	Florida	37 463	20 103		United States	527 617	N
	Illinois	8 951	N		New York	51 526	N
	Missouri	5 667	N				
	New Jersey	31 481	14 504	3333141	SIGHTING, TRACKING, AND FIRE-CONTROL EQUIPMENT, OPTICAL-TYPE		
	New York	109 844	N		United States	608 261	N
	Ohio	27 881	10 483		California	128 860	N
	Texas	124 826	N		Massachusetts	66 205	N
	Virginia	2 455	N		New York	7 369	N
	Wisconsin	17 389	N		Pennsylvania	10 919	N
3332987	SPECIAL INDUSTRY MACHINERY AND EQUIPMENT, NEC				Texas	6 486	N
	United States	4 379 791	N	3333143	OPTICAL INSTRUMENTS AND LENSES, NEC		
	Arizona	18 643	N		United States	2 159 430	1 601 205
	California	441 058	N		Arizona	38 018	N
	Colorado	20 909	N		California	475 167	423 605
	Connecticut	292 015	N		Colorado	68 227	9 224
	Florida	76 926	N		Connecticut	154 191	152 847
	Georgia	111 939	N		Illinois	10 839	11 699
	Illinois	396 538	N		Maryland	2 281	30 613
	Indiana	149 802	N		Massachusetts	204 077	277 841
	Iowa	57 431	N		Michigan	36 599	9 511
	Kentucky	21 393	N		Minnesota	39 777	17 662
	Louisiana	27 617	N		New Hampshire	45 424	N
	Maryland	39 576	N		New Jersey	68 890	51 135
	Massachusetts	124 944	N		New York	179 289	149 809
	Michigan	538 545	N		Oregon	15 651	38 783
	Minnesota	77 597	N		Pennsylvania	88 053	42 534
	Missouri	39 948	N		Texas	6 160	5 633
	New Jersey	135 174	N		Vermont	18 040	12 165
	New York	179 841	N		Wisconsin	107 712	N
	North Carolina	103 684	N				
	Ohio	307 963	N				
	Oklahoma	162 607	N				
	Oregon	24 448	N				
	Pennsylvania	150 352	N				
	Rhode Island	11 410	N				
	South Carolina	54 891	N				
	Tennessee	56 650	N				
	Texas	202 469	N				
	Virginia	88 658	N				
	Washington	50 374	N				
	West Virginia	6 496	N				
	Wisconsin	138 167	N				
3333111	AUTOMATIC MERCHANDISING MACHINES, COIN-OPERATED (VENDING), EXCLUDING MONEY CHANGING MACHINES, COIN-OPERATED MECHANISMS, AND PARTS			3333151	STILL PICTURE PHOTOGRAPHIC EQUIPMENT		
	United States	924 347	558 993		United States	1 004 183	N
	Illinois	9 653	17 424		California	67 967	N
	Ohio	26 702	N		Illinois	57 748	N
3333112	COIN-OPERATED MECHANISMS AND PARTS FOR AUTOMATIC MERCHANDISING MACHINES				Massachusetts	113 823	N
	United States	273 501	193 506		Minnesota	29 607	N
	Michigan	3 931	N		New York	513 881	N
3333131	AUTOMATIC TYPING AND WORD PROCESSING MACHINES, INCLUDING PARTS AND ATTACHMENTS				Ohio	18 716	N
	United States	D	480 903		Virginia	11 215	N
					Washington	16 845	N
3333134	CALCULATING AND ACCOUNTING MACHINES, EXCEPT POINT-OF-SALES TERMINALS AND FUNDS TRANSFER DEVICES			3333153	PHOTOCOPYING EQUIPMENT, INCLUDING DIFFUSION TRANSFER, DYE TRANSFER, ELECTROSTATIC, LIGHT AND HEAT SENSITIVE TYPES, ETC.		

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		1997	1992			1997	1992	
3333153	PHOTOCOPYING EQUIPMENT, INCLUDING DIFFUSION TRANSFER, DYE TRANSFER, ELECTROSTATIC, LIGHT AND HEAT SENSITIVE TYPES, ETC.—Con.			3333199	MISCELLANEOUS MACHINERY PRODUCTS, EXCEPT ELECTRICAL (INCLUDING FLEXIBLE METAL HOSE AND TUBING, SERVICE INDUSTRY MACHINES AND PARTS, METAL BELLOWS, ETC.)—Con.			
	United States	D	D		New Jersey	140 214	N	
3333155	MICROFILMING, BLUEPRINTING, AND WHITEPRINTING EQUIPMENT				New York	48 469	N	
	United States	140 190	N		North Carolina	100 320	N	
	Wisconsin	6 465	N		Ohio	291 265	N	
3333157	MOTION PICTURE EQUIPMENT				Oklahoma	19 117	N	
	United States	D	212 551		Oregon	114 588	N	
3333191	COMMERCIAL COOKING AND FOOD-WARMING EQUIPMENT, INCLUDING PARTS AND ACCESSORIES			3334111	DUST COLLECTION AND OTHER AIR PURIFICATION EQUIPMENT FOR INDUSTRIAL GAS CLEANING SYSTEMS (FOR CLEANING OUTGOING AIR)			
	United States	1 811 807	1 307 858		United States	711 872	544 963	
	California	230 978	165 411		Colorado	12 751	N	
	Illinois	329 635	230 280		Illinois	55 821	5 963	
	Massachusetts	22 289	N		Kentucky	93 728	43 622	
	Minnesota	4 719	N		Michigan	61 864	39 099	
	Missouri	28 458	20 645		North Carolina	7 001	4 499	
	New York	56 852	23 781		Ohio	35 296	19 004	
	Ohio	182 372	122 059	3334113	DUST COLLECTION AND OTHER AIR PURIFICATION EQUIPMENT AND PARTS FOR CLEANING INCOMING AIR			
	Oklahoma	4 307	N		United States	1 296 305	959 051	
	Texas	33 563	N		Alabama	8 916	3 045	
	Washington	54 229	45 521		California	99 326	73 042	
	Wisconsin	95 050	65 830		Florida	48 711	31 737	
3333193	COMMERCIAL AND INDUSTRIAL VACUUM CLEANERS, INCLUDING PARTS AND ATTACHMENTS				Illinois	87 467	79 716	
	United States	595 165	319 496		Indiana	75 615	16 263	
	Illinois	22 778	19 581		Kentucky	51 383	52 496	
	New Jersey	5 398	N		Massachusetts	10 079	N	
	New York	18 761	N		Michigan	52 394	13 622	
	Ohio	35 734	33 498		Minnesota	12 273	8 437	
3333195	ALL OTHER INDUSTRIAL MACHINERY MANUFACTURING, NEC, NSK, TOTAL				Missouri	23 953	N	
	United States	630 972	463 207		New Jersey	32 872	43 192	
	Iowa	9 052	N		New York	30 124	13 895	
3333197	ELECTRONIC TEACHING MACHINES, TEACHING AIDS, TRAINERS, AND SIMULATORS, INCLUDING KITS			3334141	CAST IRON HEATING BOILERS, RADIATORS, AND CONVECTORS, EXCEPT PARTS			
	United States	779 213	1 244 923		United States	391 786	331 023	
	Florida	165 539	198 257		3334143	DOMESTIC HEATING STOVES, EXCEPT ELECTRIC (EXCLUDING PARTS)		
	Massachusetts	4 191	10 874		United States	556 449	326 055	
	New York	99 045	N		California	59 617	28 490	
3333199	MISCELLANEOUS MACHINERY PRODUCTS, EXCEPT ELECTRICAL (INCLUDING FLEXIBLE METAL HOSE AND TUBING, SERVICE INDUSTRY MACHINES AND PARTS, METAL BELLOWS, ETC.)			3334143	DOMESTIC HEATING STOVES, EXCEPT ELECTRIC (EXCLUDING PARTS)			
	United States	4 607 400	N		North Carolina	20 803	20 068	
	Alabama	119 900	N		Tennessee	140 153	N	
	Arizona	79 820	N	3334145	STEEL HEATING BOILERS (15 PSI OR LESS) AND ALL HOT WATER HEATING BOILERS (EXCEPT ELECTRIC), EXCLUDING PARTS			
	Arkansas	258 500	N		United States	219 582	126 177	
	California	493 790	N		California	60 098	25 942	
	Colorado	135 450	N		Pennsylvania	50 847	34 845	
	Connecticut	33 178	N		3334147	FLOOR AND WALL FURNACES, UNIT HEATERS, INFRARED HEATERS, AND MECHANICAL STOKERS (EXCEPT ELECTRIC)		
	Florida	139 518	N		United States	526 335	358 952	
	Georgia	33 342	N		Michigan	70 109	46 407	
	Illinois	481 106	N		Ohio	10 805	N	
	Indiana	110 921	N					
	Iowa	166 140	N					
	Kansas	54 413	N					
	Kentucky	53 916	N					
	Louisiana	11 974	N					
	Massachusetts	65 383	N					
	Michigan	213 647	N					
	Minnesota	353 990	N					
	Missouri	38 425	N					
	Nevada	19 429	N					
	New Hampshire	16 987	N					

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		1997	1992			1997	1992			
3334149	OTHER HEATING EQUIPMENT, EXCEPT ELECTRIC (INCLUDING PARTS FOR NONELECTRIC HEATING EQUIPMENT AND OIL BURNERS)			3334159	REFRIGERATION AND AIR-CONDITIONING EQUIPMENT, NEC—Con.					
	United States	1 571 443	N		Texas	80 247	75 033			
	Alabama	20 891	N		Washington	3 364	N			
	California	129 099	N		Wisconsin	50 885	54 430			
	Florida	20 030	N		333415A	COMPRESSORS AND COMPRESSOR UNITS, ALL REFRIGERANTS, EXCEPT AUTOMOTIVES				
	Illinois	114 607	N			United States	2 941 370	N		
	Indiana	44 848	N			California	13 601	N		
	Kansas	94 229	N			Georgia	74 726	N		
	Massachusetts	74 195	N			North Carolina	364 821	N		
	Michigan	2 167	N			Texas	39 673	N		
	Minnesota	29 424	N			Wisconsin	34 531	N		
	New Jersey	31 200	N			333415C	WARM AIR FURNACES, INCLUDING DUCT FURNACES AND HUMIDIFIERS, AND ELECTRIC COMFORT HEATING EQUIPMENT			
	New York	104 714	N				United States	1 939 242	1 300 363	
	Ohio	161 170	N				Michigan	34 188	7 508	
	Oklahoma	27 953	N		North Carolina		18 170	N		
	Pennsylvania	123 237	N		Ohio		154 518	N		
	Texas	41 082	N		Tennessee		194 473	N		
	Washington	37 325	N		333415D		PARTS AND ACCESSORIES FOR AIR-CONDITIONING AND HEAT TRANSFER EQUIPMENT			
	Wisconsin	78 292	N				United States	1 986 124	1 483 717	
	3334151	HEAT TRANSFER EQUIPMENT (EXCEPT ELECTRICALLY OPERATED DEHUMIDIFIERS AND MOTOR VEHICLE MECHANICAL AIR-CONDITIONING SYSTEMS)						333415E	UNITARY AIR-CONDITIONERS, EXCEPT AIR SOURCE HEAT PUMPS	
United States		4 204 925	N	United States			4 364 840		N	
California		85 377	N	Georgia		289 553	N			
Florida		9 254	N	Maryland		26 213	N			
Georgia		367 320	N	Minnesota		166 050	N			
Illinois		160 012	N	Ohio		450 828	N			
Indiana		71 070	N	Oklahoma		331 658	N			
Kentucky		292 276	N	Pennsylvania		13 590	N			
Maryland		40 101	N	Tennessee	1 324 453	N				
Michigan		20 699	N	Texas	937 926	N				
Minnesota		120 343	N	333415F	AIR SOURCE HEAT PUMPS, EXCEPT ROOM AIR-CONDITIONERS					
Missouri		141 678	N		United States	1 025 549	N			
New Jersey		59 345	N		Georgia	64 832	N			
New York		545 229	N		Ohio	71 011	N			
Ohio		65 457	N		Tennessee	239 498	N			
Oklahoma		143 017	N		Texas	373 851	N			
Pennsylvania		214 450	N		333415G	GROUND AND GROUND WATER SOURCE HEAT PUMPS				
Tennessee		342 463	N			United States	88 501		N	
Texas		302 045	N			3335121	METAL GEAR CUTTING MACHINES			
Virginia		74 990	N				United States		181 261	N
3334153	COMMERCIAL REFRIGERATORS AND RELATED EQUIPMENT			3335122			METAL GRINDING, POLISHING, BUFFING, HONING, AND LAPPING MACHINES, EXCEPT GEAR-TOOTH GRINDING, LAPPING, POLISHING, AND BUFFING			
	United States	2 926 753	1 827 723				United States	596 877	395 801	
	California	210 105	112 499				Connecticut	30 438	N	
	Florida	29 174	11 478				Illinois	31 384	35 835	
	Illinois	211 056	N				Indiana	4 878	4 551	
	Indiana	64 298	39 998				Michigan	130 869	94 154	
	Iowa	58 929	25 896		Minnesota		14 864	N		
	Kansas	74 868	N		Ohio		84 126	46 988		
	Michigan	148 344	113 495		Oregon	21 821	N			
	Minnesota	122 167	48 764		Wisconsin	12 652	9 000			
	Mississippi	78 977	65 727	3334155	REFRIGERATION CONDENSING UNITS, ALL REFRIGERANTS, EXCEPT AMMONIA (COMPLETE)					
	New Jersey	55 829	83 956		United States	289 689	209 577			
	New York	64 599	65 532		Florida	20 913	4 066			
	Ohio	171 367	N		Georgia	74 325	N			
	Pennsylvania	85 233	117 159		3334156	ROOM AIR-CONDITIONERS AND DEHUMIDIFIERS, EXCEPT PORTABLE DEHUMIDIFIERS				
	Tennessee	136 178	N			United States	979 308	878 952		
	Texas	234 032	117 127			3334159	REFRIGERATION AND AIR-CONDITIONING EQUIPMENT, NEC			
	Washington	14 591	11 453				United States	880 266	682 249	
	Wisconsin	112 228	78 912				Arizona	89 900	71 606	
	3334155	REFRIGERATION CONDENSING UNITS, ALL REFRIGERANTS, EXCEPT AMMONIA (COMPLETE)						California	78 896	52 115
United States		289 689	209 577	Illinois			34 433	37 934		
Florida		20 913	4 066	Michigan			39 898	9 713		
Georgia		74 325	N	New York			13 757	24 845		
3334156		ROOM AIR-CONDITIONERS AND DEHUMIDIFIERS, EXCEPT PORTABLE DEHUMIDIFIERS					Pennsylvania	25 500	59 601	
		United States	979 308	878 952	3334159		REFRIGERATION AND AIR-CONDITIONING EQUIPMENT, NEC			
		3334159	REFRIGERATION AND AIR-CONDITIONING EQUIPMENT, NEC					United States	596 877	395 801
			United States	880 266		682 249	Connecticut	30 438	N	
			Arizona	89 900		71 606	Illinois	31 384	35 835	
			California	78 896		52 115	Indiana	4 878	4 551	
	Illinois		34 433	37 934		Michigan	130 869	94 154		
	Michigan		39 898	9 713		Minnesota	14 864	N		
	New York		13 757	24 845		Ohio	84 126	46 988		
	Pennsylvania		25 500	59 601		Oregon	21 821	N		
				Wisconsin		12 652	9 000			

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NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)		NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)	
		1997	1992			1997	1992
3335123	METAL LATHES (TURNING MACHINES) NUMERICALLY AND NONNUMERICALLY CONTROLLED			3335131	METAL PUNCHING AND SHEARING MACHINES (INCLUDING POWER AND MANUAL) AND BENDING AND FORMING MACHINES (POWER ONLY)		
	United States	489 775	329 339		United States	601 050	382 635
	Michigan	133 403	31 399		California	67 274	56 361
	Ohio	50 902	64 435		Illinois	119 080	59 372
3335124	METAL MILLING MACHINES (EXCLUDING MACHINING CENTERS)				Indiana	7 128	N
	United States	350 026	221 681		Michigan	76 036	N
	Indiana	4 435	N		Minnesota	15 241	10 014
	Michigan	13 095	4 781		Missouri	3 073	8 001
3335125	MACHINE TOOLS DESIGNED PRIMARILY FOR HOME WORKSHOPS, LABS, GARAGES, ETC. (METALWORKING AND PRIMARILY METALWORKING)			3335133	METALWORKING PRESSES (EXCEPT FORGING AND DIE-STAMPING PRESSES)		
	United States	54 937	60 949		United States	431 087	329 782
	Michigan	3 973	4 110		Indiana	4 478	N
	Ohio	13 313	N		Michigan	34 986	26 855
	Wisconsin	10 874	17 995		Missouri	6 264	N
3335126	PARTS FOR METAL CUTTING MACHINE TOOLS (SOLD SEPARATELY) AND REBUILT METAL CUTTING MACHINE TOOLS			3335135	OTHER METAL FORMING MACHINE TOOLS, INCLUDING FORGING AND DIE-STAMPING MACHINES (EXCEPT METALWORKING PRESSES)		
	United States	714 118	606 164		United States	590 966	320 867
	Connecticut	21 217	35 389		California	24 701	15 045
	Illinois	93 343	42 311		Georgia	12 348	N
	Indiana	12 326	9 358		Illinois	18 513	28 566
	Massachusetts	21 569	6 612		Indiana	8 857	N
	Michigan	136 398	92 307		Massachusetts	12 923	N
	Minnesota	11 001	7 995		Michigan	154 008	41 658
	New York	63 616	65 635		New York	37 116	24 796
	Ohio	205 803	124 861		Ohio	141 789	106 672
	Pennsylvania	21 638	30 288		Pennsylvania	27 582	N
	Wisconsin	56 697	101 784		Wisconsin	17 825	N
3335127	METAL MACHINING CENTERS (MULTIFUNCTION NUMERICALLY CONTROLLED MACHINES)			3335137	PARTS FOR METAL FORMING MACHINE TOOLS (SOLD SEPARATELY) AND REBUILT METAL FORMING MACHINE TOOLS		
	United States	932 619	454 145		United States	488 719	376 171
	California	407 181	N		Connecticut	6 585	3 447
	Connecticut	20 316	N		Illinois	61 998	60 017
	Michigan	35 930	36 416		Indiana	8 457	3 788
	New York	40 170	N		Michigan	86 303	48 361
	Ohio	137 675	N		North Carolina	11 084	N
	Pennsylvania	3 205	N		Ohio	233 695	159 998
					Pennsylvania	14 807	27 151
3335128	METAL STATION TYPE MACHINES			3335151	SMALL CUTTING TOOLS FOR MACHINE TOOLS AND METALWORKING MACHINERY		
	United States	543 289	485 573		United States	3 253 414	2 054 446
	Connecticut	6 807	N		Arizona	11 772	5 070
	Michigan	398 376	337 607		California	155 808	94 682
	Ohio	17 457	N		Connecticut	65 502	48 524
3335129	OTHER METAL CUTTING MACHINE TOOLS (EXCEPT THOSE DESIGNED PRIMARILY FOR HOME WORKSHOPS, LABORATORIES, GARAGES, ETC.)				Florida	30 729	22 761
	United States	450 333	224 057		Georgia	77 001	N
	California	30 017	12 537		Illinois	415 276	257 909
	Connecticut	7 660	4 878		Indiana	61 977	38 965
	Illinois	43 560	38 034		Iowa	26 596	N
	Indiana	2 033	N		Kentucky	7 454	13 283
	Michigan	95 050	74 697		Maine	17 865	N
	Ohio	62 739	23 859		Massachusetts	81 510	93 728
	Pennsylvania	22 112	N		Michigan	506 710	331 735
	Wisconsin	41 843	5 889		Minnesota	35 114	20 337
333512A	METAL BORING MACHINES (EXCLUDING MACHINING CENTERS) AND DRILLING MACHINES (EXCLUDING MACHINING CENTERS)				Missouri	28 355	12 748
	United States	238 185	N		New Hampshire	16 810	10 320
	Illinois	22 945	N		New Jersey	39 738	20 327
	Indiana	2 629	N		New York	63 613	41 473
	Michigan	67 677	N		North Carolina	83 601	75 090
	Ohio	11 307	N		Ohio	454 973	313 471
	Washington	13 975	N	3335153	OTHER ATTACHMENTS AND ACCESSORIES FOR MACHINE TOOLS AND METALWORKING MACHINERY		
	Wisconsin	27 867	N		Pennsylvania	260 024	134 124
					Rhode Island	15 870	10 143
					South Carolina	227 090	126 516
					Tennessee	95 285	76 942
					Texas	56 268	28 133
					Vermont	53 506	34 423
					Wisconsin	155 868	87 107

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NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)		NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)	
		1997	1992			1997	1992
3335153	OTHER ATTACHMENTS AND ACCESSORIES FOR MACHINE TOOLS AND METALWORKING MACHINERY—Con.			3336123	LOOSE GEARING, INCLUDING GEARS, PINIONS, RACKS, AND WORMS, SOLD SEPARATELY—Con.		
	United States	1 085 230	665 846		Pennsylvania	32 148	N
	Arizona	3 032	N		Wisconsin	59 818	N
	California	24 369	11 755	3336127	SPEED CHANGERS AND INDUSTRIAL HIGH-SPEED DRIVES, AND PARTS OTHER THAN LOOSE GEARING		
	Connecticut	29 657	20 545		United States	1 544 834	N
	Florida	2 615	N		California	25 769	N
	Illinois	84 885	53 652		Illinois	126 791	N
	Indiana	21 407	16 698		Indiana	158 035	N
	Kentucky	2 966	2 638		Michigan	62 086	N
	Massachusetts	40 496	17 821		Minnesota	39 034	N
	Michigan	263 145	164 524		Missouri	89 997	N
	Minnesota	38 763	N		New Jersey	31 905	N
	New Jersey	6 163	7 579		Ohio	67 632	N
	New York	87 092	34 172		Pennsylvania	68 863	N
	North Carolina	33 999	N		South Carolina	131 059	N
	Ohio	125 653	90 339		Texas	106 909	N
	Pennsylvania	43 759	19 240		Wisconsin	236 338	N
	Tennessee	10 824	10 697	3336131	PLAIN BEARINGS AND BUSHINGS		
	Texas	53 438	27 494		United States	422 123	345 953
	Wisconsin	24 558	19 753		California	64 573	41 271
3335161	HOT ROLLING MILL MACHINERY (INCLUDING COMBINATION HOT AND COLD) (EXCEPT TUBE ROLLING)				Connecticut	65 479	N
	United States	181 403	147 287		Illinois	49 648	76 873
3335163	COLD ROLLING MILL MACHINERY				Indiana	25 718	21 291
	United States	95 007	66 868		North Carolina	26 051	N
	Ohio	18 852	12 223	3336133	MECHANICAL POWER TRANSMISSION EQUIPMENT, EXCEPT SPEED CHANGERS, DRIVES, AND GEARS, NEC		
	Pennsylvania	8 028	N		United States	2 480 907	1 852 198
3335165	OTHER ROLLING MILL MACHINERY (INCLUDING TUBE MILL MACHINERY) AND PARTS FOR ALL ROLLING MILL MACHINERY				California	27 203	20 473
	United States	348 676	181 031		Connecticut	14 096	27 859
	Illinois	16 186	16 829		Illinois	312 634	243 084
	Michigan	6 961	N		Indiana	177 201	120 320
	Ohio	151 135	93 889		Massachusetts	48 085	N
3335181	ASSEMBLY MACHINES				Michigan	127 901	88 098
	United States	2 010 605	872 045		Minnesota	39 235	32 065
	California	23 162	11 800		New Jersey	39 370	46 471
	Connecticut	47 387	33 243		New York	125 892	104 043
	Florida	9 618	N		North Carolina	180 304	96 009
	Illinois	248 745	51 924		Ohio	249 163	212 652
	Indiana	81 452	15 962		Oregon	13 652	17 241
	Kentucky	7 130	N		Pennsylvania	117 052	116 878
	Michigan	834 747	387 854		Texas	119 755	64 264
	Minnesota	26 459	N	3336181	GASOLINE AND GAS-GASOLINE ENGINES (EXCEPT AIRCRAFT, AUTOMOBILE, HIGHWAY TRUCK, BUS, TANK, AND OUTBOARD MARINE)		
	New York	108 545	44 385		United States	2 438 511	1 549 296
	North Carolina	9 101	3 010		South Carolina	10 362	N
	Ohio	118 528	91 652		Wisconsin	1 130 980	996 945
	Pennsylvania	85 959	29 643	3336183	DIESEL, SEMIDIESEL, AND DUAL-FUEL ENGINES (EXCEPT AUTOMOBILE, HIGHWAY TRUCK, BUS, AND TANK)		
	Texas	8 899	N		United States	3 251 257	1 486 728
	Wisconsin	96 836	N		California	20 395	16 822
3335183	OTHER METALWORKING MACHINERY (EXCEPT HANDHELD AND ULTRASONIC)			3336185	DIESEL, SEMIDIESEL, AND DUAL-FUEL ENGINES FOR AUTOMOBILES, HIGHWAY TRUCKS, AND BUSES		
	United States	868 597	487 219		United States	6 401 731	3 165 719
	California	20 395	16 822	3336187	OUTBOARD MOTORS (INCLUDING ELECTRIC)		
	Connecticut	45 056	19 009		United States	D	N
	Illinois	77 940	68 802	3336189	PISTON-TYPE NATURAL GAS ENGINES, INCLUDING LPG ENGINES (EXCLUDING GAS TURBINES)		
	Indiana	47 742	20 050		United States	431 767	175 470
	Massachusetts	13 785	13 131	333618A	TANK (EXCEPT GAS TURBINE) AND CONVERTED INTERNAL COMBUSTION ENGINES		
	Michigan	97 569	54 724				
	New Jersey	44 063	19 635				
	New York	53 322	19 818				
	Ohio	128 979	86 045				
	Texas	32 063	N				
	Wisconsin	54 542	31 221				
3336123	LOOSE GEARING, INCLUDING GEARS, PINIONS, RACKS, AND WORMS, SOLD SEPARATELY						
	United States	688 065	N				
	California	9 269	N				
	Illinois	144 053	N				
	Massachusetts	11 413	N				
	Michigan	53 976	N				
	Minnesota	26 231	N				
	Missouri	8 942	N				
	New Jersey	17 151	N				
	New York	39 772	N				
	North Carolina	12 787	N				
	Ohio	80 742	N				

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		1997	1992			1997	1992
333618A	TANK (EXCEPT GAS TURBINE) AND CONVERTED INTERNAL COMBUSTION ENGINES—Con.			3339121	AIR AND GAS COMPRESSORS AND VACUUM PUMPS—Con.		
	United States	D	D		Wisconsin	128 445	N
333618F	PARTS AND ACCESSORIES FOR INTERNAL COMBUSTION ENGINES, EXCEPT AIRCRAFT AND GASOLINE AUTOMOTIVE ENGINES AND GAS TURBINES			3339125	PARTS AND ATTACHMENTS FOR AIR AND GAS COMPRESSORS (EXCEPT FOR REFRIGERATION, ICE MAKING, AND AIR-CONDITIONING EQUIPMENT), AND PACKAGED COMPRESSORS		
	United States	4 311 222	N		United States	713 789	735 719
	California	297 141	N		California	13 042	10 930
	Georgia	91 039	N		Connecticut	4 975	N
	Illinois	617 583	N		Illinois	30 880	37 881
	Indiana	302 768	N		Massachusetts	42 249	N
	Michigan	728 379	N		Michigan	8 948	N
	Minnesota	33 835	N		New York	169 093	N
	Nevada	8 100	N		Ohio	62 348	63 828
	New Jersey	11 432	N		Oklahoma	16 116	9 070
	New York	70 633	N		Pennsylvania	101 754	164 210
	North Carolina	298 705	N		Texas	29 095	34 821
	Ohio	222 360	N	3339127	INDUSTRIAL SPRAYING EQUIPMENT		
	Pennsylvania	61 977	N		United States	821 533	704 960
	South Carolina	169 891	N		California	34 722	28 170
	Wisconsin	392 374	N		Illinois	208 254	N
3339111	PUMPS (EXCEPT PACKAGED, HAND, AUTOMOTIVE CIRCULATING, LOCOMOTIVE, HYDRAULIC FLUID POWER, MEASURING AND DISPENSING, INDUSTRIAL SPRAYING ETC.)				Indiana	83 004	25 869
	United States	4 650 241	N		New York	33 564	N
	Alabama	6 913	N	3339211	ELEVATORS AND MOVING STAIRWAYS		
	California	489 161	N		United States	1 139 976	696 795
	Florida	61 937	N		California	11 270	N
	Georgia	80 953	N		Illinois	98 809	N
	Illinois	300 954	N		Iowa	14 571	N
	Iowa	94 653	N		Kansas	19 944	N
	Kentucky	93 599	N		New Jersey	11 730	4 160
	Louisiana	16 376	N		Ohio	23 250	24 732
	Massachusetts	71 258	N		Pennsylvania	73 737	61 180
	Michigan	93 710	N		Texas	118 732	108 110
	Minnesota	303 549	N	3339213	PARTS AND ATTACHMENTS FOR ELEVATORS AND MOVING STAIRWAYS (SOLD SEPARATELY)		
	Missouri	17 500	N		United States	317 689	178 549
	Nebraska	38 049	N		Illinois	31 056	23 852
	New Jersey	101 800	N		Indiana	27 133	N
	New York	344 630	N		Michigan	28 729	N
	North Carolina	163 712	N		New Jersey	16 934	14 584
	Ohio	538 900	N		New York	67 601	61 225
	Oklahoma	438 086	N		Ohio	20 810	10 889
	Pennsylvania	185 717	N		Pennsylvania	10 259	N
	Tennessee	40 880	N	3339221	UNIT HANDLING CONVEYORS AND CONVEYING SYSTEMS, EXCEPT HOISTS AND FARM ELEVATORS		
	Texas	351 846	N		United States	2 983 679	1 808 391
	Wisconsin	214 584	N		Alabama	22 484	2 423
3339115	PARTS AND ATTACHMENTS FOR PUMPS AND PUMPING EQUIPMENT (EXCEPT FOR HYDRAULIC, FLUID POWER, AND AIR AND GAS COMPRESSORS)				Arkansas	112 908	83 967
	United States	1 153 674	N		California	96 257	26 606
	Alabama	11 406	N		Florida	15 446	44 787
	California	118 297	N		Georgia	30 405	11 570
	Florida	2 194	N		Illinois	144 900	95 724
	Georgia	41 008	N		Indiana	45 049	25 257
	Illinois	73 749	N		Iowa	21 231	N
	Louisiana	20 585	N		Kentucky	225 810	150 538
	Massachusetts	33 893	N		Massachusetts	24 554	16 418
	Michigan	79 823	N		Michigan	854 080	432 970
	New Jersey	29 242	N		Minnesota	10 718	24 165
	New York	131 566	N		Missouri	61 215	70 959
	Ohio	126 567	N		Nevada	6 550	N
	Oklahoma	78 917	N		New Jersey	68 785	31 913
	Pennsylvania	36 738	N		New York	44 257	34 711
	Texas	50 524	N		North Carolina	48 745	23 841
3339121	AIR AND GAS COMPRESSORS AND VACUUM PUMPS				Ohio	177 002	127 890
	United States	2 931 851	N		Oregon	51 031	N
	California	93 371	N		Pennsylvania	76 445	65 397
	Connecticut	16 635	N		South Carolina	4 579	N
	Florida	13 708	N		Tennessee	216 102	129 343
	Illinois	120 581	N		Texas	99 117	141 911
	Indiana	185 294	N		Virginia	112 516	44 135
	Massachusetts	216 501	N		Wisconsin	95 172	50 995
	Michigan	46 190	N				
	New York	484 571	N				
	Ohio	244 510	N				
	Oklahoma	84 786	N				
	Pennsylvania	188 562	N				
	Texas	141 952	N				
	Virginia	38 670	N				

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		1997	1992			1997	1992
3339223	PARTS, ATTACHMENTS, AND ACCESSORIES FOR UNIT HANDLING CONVEYORS AND CONVEYING SYSTEMS (SOLD SEPARATELY)			3339233	OVERHEAD TRAVELING CRANES AND MONORAIL SYSTEMS		
	United States	246 370	143 025		United States	559 834	380 710
	California	5 990	N		California	20 660	14 009
	Illinois	7 130	N		Illinois	29 528	34 181
	Kentucky	30 083	N		Michigan	44 688	25 473
	Michigan	76 485	29 486		New York	20 010	26 609
	Oregon	7 408	N		Ohio	117 262	51 900
	Pennsylvania	4 203	N		Pennsylvania	34 725	27 187
	Wisconsin	2 300	2 013		Texas	45 708	76 155
					Wisconsin	111 224	50 037
3339227	BULK MATERIAL HANDLING CONVEYORS AND CONVEYING SYSTEMS, EXCEPT HOISTS AND FARM ELEVATORS			3339237	WINCHES, AERIAL WORK PLATFORMS, AND AUTOMOTIVE WRECKER HOISTS		
	United States	1 503 160	N		United States	1 949 579	N
	Alabama	28 387	N		Connecticut	35 157	N
	Arkansas	40 979	N		Indiana	49 175	N
	California	58 192	N		Minnesota	29 665	N
	Colorado	48 522	N		Ohio	9 656	N
	Florida	42 514	N		Oklahoma	102 060	N
	Georgia	37 328	N		Wisconsin	53 023	N
	Illinois	44 036	N	3339241	INDUSTRIAL TRUCKS, TRACTORS, MOBILE STRADDLE CARRIERS AND CRANES, AND AUTOMATIC STACKING MACHINES		
	Indiana	71 790	N		United States	3 977 839	N
	Iowa	31 599	N		Alabama	9 467	N
	Kansas	57 719	N		Arkansas	24 414	N
					California	156 565	N
	Kentucky	35 593	N		Georgia	52 614	N
	Louisiana	2 243	N		Illinois	462 529	N
	Massachusetts	5 897	N		Indiana	325 422	N
	Michigan	71 004	N		Iowa	70 448	N
	Minnesota	51 887	N		Kansas	39 367	N
	Missouri	62 469	N		Kentucky	595 492	N
	Nebraska	12 131	N		Massachusetts	8 427	N
	New Jersey	46 124	N		Michigan	89 246	N
	New York	18 924	N		Minnesota	59 092	N
	Ohio	135 786	N		Missouri	40 689	N
					Nebraska	21 590	N
	Oregon	24 062	N		New Jersey	16 681	N
	Pennsylvania	162 546	N		New York	139 049	N
	South Carolina	7 348	N		North Carolina	353 807	N
	South Dakota	20 758	N		Ohio	384 922	N
	Tennessee	17 008	N		Oregon	24 699	N
	Texas	98 247	N		Pennsylvania	52 044	N
	Virginia	3 527	N		South Carolina	15 227	N
	Washington	112 503	N		Texas	426 542	N
	Wisconsin	74 143	N		Virginia	24 081	N
					Washington	16 064	N
3339229	PARTS, ATTACHMENTS, AND ACCESSORIES FOR BULK MATERIAL HANDLING CONVEYORS AND CONVEYING SYSTEMS (SOLD SEPARATELY)			3339243	PARTS AND ATTACHMENTS FOR INDUSTRIAL TRUCKS AND TRACTORS (SOLD SEPARATELY)		
	United States	474 250	375 099		United States	989 542	596 675
	Alabama	19 167	9 667		Illinois	12 301	37 033
	California	18 647	15 468		Indiana	77 816	14 395
	Georgia	3 913	N		Iowa	22 424	22 561
	Illinois	61 146	59 122		Kansas	9 455	6 287
	Indiana	6 811	3 244		Kentucky	39 748	21 129
	Iowa	75 417	N		Michigan	49 335	35 218
	Kansas	15 959	10 850		Minnesota	12 983	3 076
	Kentucky	34 363	46 983		Ohio	229 002	109 142
	Michigan	13 063	6 332		Pennsylvania	21 287	7 436
	Minnesota	8 179	N		South Carolina	50 817	N
	Missouri	7 942	N		Texas	9 791	N
	New Jersey	9 669	16 745		Wisconsin	66 716	34 613
	North Carolina	3 818	N	3339911	POWER-DRIVEN HANDTOOLS, PNEUMATIC, HYDRAULIC, AND POWER-ACTUATED		
	Ohio	23 517	33 946		United States	953 256	634 397
	Pennsylvania	10 612	24 260		California	41 747	21 809
	Tennessee	3 021	N		Illinois	47 299	42 432
	Texas	4 481	5 877		Massachusetts	44 175	N
	Virginia	2 453	5 853		New York	48 231	75 608
	Washington	2 919	N		Ohio	208 966	149 230
	Wisconsin	39 025	N				
3339231	HOISTS			3339913	POWER-DRIVEN HANDTOOLS, ENGINE (INTERNAL COMBUSTION) DRIVEN		
	United States	552 502	381 252		United States	230 306	295 165
	California	14 755	14 835				
	Florida	7 492	6 689	3339917	POWER-DRIVEN HANDTOOLS, BATTERY-POWERED (CORDLESS)		
	Illinois	6 655	9 862		United States	493 947	291 376
	Louisiana	3 293	N				
	Michigan	76 999	N				
	Minnesota	10 508	16 414				
	New Jersey	38 351	N				
	North Carolina	53 578	N				
	Ohio	81 210	36 880				
	Pennsylvania	19 009	16 346				
	South Carolina	24 336	N				
	Texas	16 057	7 777				
	Washington	3 207	N				
	Wisconsin	26 686	31 180				

Table 2. **Product Class Shipments for Selected States: 1997 and 1992—Con.**

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NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)		NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)	
		1997	1992			1997	1992
3339919	POWER-DRIVEN HANDTOOLS, ELECTRIC (EXCLUDING BATTERY-POWERED)			3339935	PARTS FOR PACKING, PACKAGING, AND BOTTLING MACHINERY		
	United States	1 597 763	1 091 365		United States	566 412	427 697
	California	17 646	N		California	59 541	51 443
	Michigan	6 533	N		Connecticut	9 134	N
	Ohio	14 372	19 787		Florida	25 369	9 899
	Pennsylvania	18 725	13 788		Georgia	12 323	N
					Illinois	64 921	47 832
					Michigan	5 503	N
					Minnesota	21 218	14 884
					New Jersey	13 119	22 303
					New York	23 190	15 122
					North Carolina	13 000	4 121
					Ohio	11 176	28 434
					Pennsylvania	31 139	16 644
					South Carolina	47 621	23 423
					Texas	2 528	N
					Washington	13 137	6 240
					Wisconsin	111 680	54 004
3339921	ARC WELDING MACHINES, COMPONENTS, AND ACCESSORIES (EXCEPT ELECTRODES), EXCLUDING STUD WELDING EQUIPMENT			3339951	NONAEROSPACE TYPE HYDRAULIC FLUID POWER CYLINDERS AND ACTUATORS, LINEAR AND ROTARY		
	United States	1 418 821	N		United States	1 382 036	724 447
	California	78 372	N		Alabama	38 215	17 729
	Illinois	49 631	N		California	79 004	16 946
	Ohio	428 047	N		Illinois	381 098	245 297
					Indiana	24 968	27 021
					Iowa	137 262	53 539
					Kansas	58 707	30 807
					Michigan	40 418	36 682
					Minnesota	51 897	N
					Nebraska	31 734	17 115
					New York	19 290	N
					Ohio	135 578	90 228
					Oregon	23 568	14 741
					Pennsylvania	8 621	3 652
					Tennessee	17 485	N
					Texas	83 813	38 926
					Washington	18 826	N
					Wisconsin	154 810	54 507
3339923	ARC WELDING ELECTRODES, METAL			3339953	NONAEROSPACE TYPE PNEUMATIC FLUID POWER CYLINDERS AND ACTUATORS, LINEAR AND ROTARY		
	United States	1 204 369	631 732		United States	491 260	308 564
					Alabama	9 246	5 544
					Illinois	123 815	73 392
					Indiana	95 122	36 742
					Michigan	94 470	57 615
					New York	18 437	19 324
					Ohio	41 736	30 025
					Oregon	11 780	N
					Texas	7 813	N
					Wisconsin	7 689	N
3339927	RESISTANCE WELDERS, COMPONENTS, ACCESSORIES, AND ELECTRODES			3339955	PARTS FOR HYDRAULIC AND PNEUMATIC FLUID POWER CYLINDERS AND ACTUATORS, INCLUDING ACCUMULATORS, CUSHIONS, ETC.		
	United States	428 290	280 572		United States	303 995	217 149
	California	24 014	N		Alabama	2 724	2 218
	Illinois	13 757	10 285		California	9 006	13 337
	Michigan	310 776	184 299		Connecticut	6 598	3 306
	New Jersey	5 282	N		Illinois	48 536	21 208
	Ohio	34 335	38 857		Indiana	34 744	25 172
	Wisconsin	12 637	19 426		Kansas	6 851	N
					Michigan	33 240	23 396
					Minnesota	9 101	7 601
					New York	14 942	33 735
					Ohio	50 682	29 889
					Oregon	5 271	5 000
					South Carolina	7 227	N
					Texas	16 114	5 377
					Wisconsin	24 352	17 355
3339929	GAS WELDING AND CUTTING EQUIPMENT, PARTS, ATTACHMENTS, AND ACCESSORIES			3339957	AEROSPACE TYPE FLUID POWER CYLINDERS AND ACTUATORS, HYDRAULIC AND PNEUMATIC		
	United States	330 193	252 799		United States	900 549	N
	California	6 292	7 356		California	295 331	N
	Florida	20 578	16 260		Connecticut	8 518	N
	Pennsylvania	15 945	10 080		New York	230 220	N
333992A	OTHER WELDING EQUIPMENT, COMPONENTS, AND ACCESSORIES (EXCLUDING ARC, RESISTANCE, AND GAS)			3339961	NONAEROSPACE TYPE RECIPROCATING FLUID POWER PUMPS		
	United States	512 679	N		United States	661 302	273 149
	California	43 405	N		Florida	3 588	N
	Michigan	33 338	N		Wisconsin	9 062	N
	Ohio	86 374	N				
3339931	PACKING, PACKAGING, AND BOTTLING MACHINERY, EXCEPT PARTS						
	United States	3 515 923	2 232 388				
	Alabama	18 354	10 335				
	Arkansas	7 629	3 818				
	California	346 824	245 628				
	Colorado	38 691	10 224				
	Connecticut	18 741	27 031				
	Florida	165 474	100 571				
	Georgia	181 846	75 664				
	Illinois	481 987	275 429				
	Indiana	21 091	N				
	Iowa	42 588	N				
	Kentucky	135 114	N				
	Louisiana	20 471	19 115				
	Maryland	81 319	56 066				
	Massachusetts	55 675	53 553				
	Michigan	96 418	61 569				
	Minnesota	204 756	138 038				
	Missouri	48 088	26 275				
	Nebraska	9 570	N				
	New Jersey	112 706	96 160				
	New York	97 736	69 865				
	North Carolina	37 684	39 858				
	Ohio	421 518	294 344				
	Pennsylvania	208 631	89 528				
	South Carolina	73 648	56 111				
	Texas	57 579	45 774				
	Utah	10 412	N				
	Virginia	58 837	16 852				
	Washington	78 533	44 985				
	Wisconsin	321 049	205 470				

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		1997	1992			1997	1992
3339963	NONAEROSPACE TYPE ROTARY AND OTHER FLUID POWER PUMPS			3339994	FILTERS FOR PNEUMATIC FLUID POWER SYSTEMS, NONAEROSPACE		
	United States	501 080	392 488		United States	137 737	71 954
	Florida	14 675	N				
	Illinois	126 889	73 642				
	Michigan	45 782	36 253				
	North Carolina	30 153	29 071				
	Wisconsin	23 825	29 053				
3339965	NONAEROSPACE TYPE FLUID POWER MOTORS			3339996	FILTERS FOR HYDRAULIC AND PNEUMATIC FLUID POWER SYSTEMS, AEROSPACE		
	United States	541 994	248 454		United States	121 694	70 616
	Illinois	169 700	N				
	South Carolina	4 726	N				
3339967	AEROSPACE TYPE FLUID POWER PUMPS AND MOTORS			3339998	GENERAL INDUSTRIAL MACHINERY, NEC		
	United States	221 735	N		United States	3 700 308	2 694 076
	California	22 838	N		Alabama	15 864	22 644
	New York	12 798	N		Arizona	38 879	N
	Ohio	15 604	N		California	396 548	219 801
3339969	PARTS FOR FLUID POWER PUMPS, MOTORS, AND HYDROSTATIC TRANSMISSIONS			3339999			
	United States	502 056	N		Connecticut	43 416	33 277
	Arizona	8 331	N		Florida	121 872	91 323
	California	24 961	N		Illinois	177 979	133 991
	Florida	2 275	N		Indiana	106 446	75 915
	Michigan	5 407	N		Iowa	40 038	52 933
	North Carolina	40 966	N		Kansas	16 690	18 178
	Ohio	33 065	N		Kentucky	83 584	N
	Pennsylvania	29 396	N		Massachusetts	133 129	63 367
	Texas	8 499	N		Michigan	656 890	392 003
					Minnesota	131 876	90 928
					Missouri	80 438	32 681
3339971	VEHICLE AND INDUSTRIAL SCALES			3339999	New Jersey	73 972	92 452
	United States	331 007	273 454		New York	94 413	232 147
	California	19 865	25 872		North Carolina	70 370	82 585
	Illinois	8 434	N		Ohio	193 521	170 436
	Ohio	58 354	N		Oklahoma	28 013	5 661
	Oklahoma	5 584	N		Oregon	28 952	23 960
	Tennessee	2 426	N		Pennsylvania	379 850	247 488
	Washington	24 851	19 139		South Carolina	19 285	N
					South Dakota	25 637	N
					Tennessee	49 233	N
					Texas	148 543	113 680
					Virginia	24 519	41 729
3339973	RETAIL, COMMERCIAL, HOUSEHOLD, AND MAILING SCALES				Washington	25 522	54 374
	United States	154 067	202 746		Wisconsin	144 051	72 082
				3339999	MISCELLANEOUS MACHINERY PRODUCTS, EXCEPT ELECTRICAL, NEC		
					United States	835 758	N
					Arkansas	3 058	N
					California	81 254	N
3339975	PARTS, ATTACHMENTS, AND ACCESSORIES FOR SCALES AND BALANCES, EXCEPT LABORATORY				Colorado	25 802	N
	United States	102 781	121 022		Florida	10 790	N
	California	11 590	24 912		Georgia	12 161	N
					Illinois	81 467	N
					Indiana	22 782	N
					Maryland	15 820	N
3339991	FILTERS AND STRAINERS, EXCEPT FLUID POWER				Massachusetts	55 634	N
	United States	1 985 617	1 821 516		Michigan	82 275	N
	California	120 371	116 086		Minnesota	5 569	N
	Florida	60 122	71 017		New Jersey	63 809	N
	Georgia	12 493	N		New York	50 674	N
	Illinois	158 692	107 316		North Carolina	8 334	N
	Indiana	74 680	58 950		Ohio	36 818	N
	Louisiana	10 845	15 890		Oregon	19 190	N
	Maryland	66 113	N		Pennsylvania	103 954	N
	Massachusetts	102 546	91 270		Texas	29 489	N
	Michigan	188 263	151 701		Washington	3 286	N
	Minnesota	108 884	72 495		Wisconsin	11 916	N
3339993	FILTERS FOR HYDRAULIC FLUID POWER SYSTEMS, NONAEROSPACE			3341111	HOST COMPUTERS, MULTIUSERS (MAINFRAMES, SUPER COMPUTERS, MEDIUM SCALE SYSTEMS, UNIX SERVERS, PC SERVERS)		
	United States	252 305	207 621		United States	16 584 553	N
	California	30 010	10 967		California	6 179 885	N
	Illinois	23 033	N		Pennsylvania	58 938	N
	Michigan	8 929	5 813		Texas	5 193 026	N
	North Carolina	20 377	N				
				3341117	SINGLE USER COMPUTERS, MICROPROCESSOR-BASED, CAPABLE OF SUPPORTING ATTACHED PERIPHERALS (PERSONAL COMPUTERS, WORKSTATIONS, PORTABLE COMPUTERS)		
					United States	34 599 552	N
					California	10 875 911	N
					Connecticut	6 050	N
					Missouri	4 615	N
					Pennsylvania	51 796	N

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		1997	1992			1997	1992
334111D	OTHER COMPUTERS, (ARRAY, ANALOG, HYBRID, OR SPECIAL-USE COMPUTERS)			334119D	PARTS AND ATTACHMENTS FOR POINT-OF-SALE TERMINALS AND FUNDS-TRANSFER DEVICES		
	United States	1 012 286	N		United States	170 816	N
	Michigan	159 618	N				
	Pennsylvania	4 713	N	3342101	TELEPHONE SWITCHING AND SWITCHBOARD EQUIPMENT		
3341121	COMPUTER STORAGE DEVICES (EXCEPT PARTS, ATTACHMENTS, AND ACCESSORIES)				United States	10 491 799	7 522 296
	United States	10 406 775	6 729 546		California	1 251 623	877 898
	California	2 067 843	2 402 032		Illinois	267 182	376 539
	Colorado	2 311 895	1 547 094		New Jersey	248 979	175 804
	Florida	13 023	N		Pennsylvania	10 318	15 098
	Minnesota	240 410	N		Virginia	335 354	61 808
	Oregon	163 349	N	3342104	TELEPHONE AND TELEGRAPH APPARATUS, CARRIER LINE EQUIPMENT, AND NONCONSUMER MODEMS, INCLUDING AUXILIARY SETS		
3341124	PARTS, ATTACHMENTS, AND ACCESSORIES FOR COMPUTER STORAGE DEVICES				United States	7 461 823	N
	United States	2 340 307	1 398 269		Arizona	68 959	N
	California	1 144 118	754 190		California	1 114 611	N
3341131	COMPUTER TERMINALS (EXCLUDING POINT-OF-SALE AND FUNDS-TRANSFER DEVICES AND PARTS, ATTACHMENTS, AND ACCESSORIES)				Florida	276 941	N
	United States	1 086 746	1 791 926		New Jersey	100 907	N
	California	201 398	258 572		New York	109 790	N
	Florida	4 669	7 872	3342107	ALL OTHER TELEPHONE-TELEGRAPH (WIRE) AND DATA COMMUNICATIONS APPARATUS, INCLUDING TELEPHONE SETS, TELEPHONE ANSWERING, AND FAX MACHINES		
3341134	PARTS, ATTACHMENTS, AND ACCESSORIES FOR COMPUTER TERMINALS (EXCLUDING POINT-OF-SALE AND FUNDS-TRANSFER DEVICES)				United States	19 081 252	N
	United States	190 902	194 663		Alabama	17 849	N
	California	3 078	N		Arizona	133 157	N
3341191	COMPUTER PERIPHERAL (INPUT-OUTPUT) EQUIPMENT, NEC, EXCEPT PARTS, ATTACHMENTS, AND ACCESSORIES				California	10 843 903	N
	United States	15 657 143	N		Colorado	228 799	N
	Alabama	87 244	N		Connecticut	239 258	N
	Arizona	73 109	N		Florida	113 620	N
	California	4 500 407	N		Georgia	146 950	N
	Colorado	37 372	N		Illinois	335 325	N
	Connecticut	83 241	N		Kentucky	7 993	N
	Florida	126 233	N		Maryland	266 715	N
	Georgia	162 140	N		Massachusetts	1 940 401	N
	Illinois	424 559	N		Minnesota	349 978	N
	Maryland	15 198	N		New Jersey	69 711	N
	Massachusetts	799 789	N		New York	243 871	N
	Michigan	47 861	N		North Carolina	57 543	N
	Minnesota	259 786	N		Oklahoma	76 798	N
	New Jersey	93 522	N		Pennsylvania	190 222	N
	New York	1 607 967	N		Texas	1 065 067	N
	North Carolina	58 384	N		Virginia	189 017	N
	Ohio	185 157	N		Washington	219 382	N
	Oregon	2 336 832	N		Wisconsin	29 987	N
	Pennsylvania	84 743	N	3342201	COMMUNICATION SYSTEMS AND EQUIPMENT, EXCEPT BROADCAST, BUT INCLUDING MICROWAVE EQUIPMENT, AND SPACE SATELLITES		
	Tennessee	26 693	N		United States	30 899 871	15 414 037
	Texas	1 350 607	N		Arizona	383 559	231 276
	Utah	2 043	N		California	6 448 587	2 397 838
	Virginia	437 353	N		Colorado	217 273	205 831
	Washington	880 820	N		Connecticut	119 369	58 273
3341194	PARTS, ATTACHMENTS, AND ACCESSORIES FOR COMPUTER PERIPHERAL (INPUT-OUTPUT) EQUIPMENT, NEC				Florida	3 609 162	2 495 423
	United States	2 914 383	3 228 629		Georgia	842 487	683 899
	California	125 268	176 644		Iowa	711 104	N
	Massachusetts	67 351	28 538		Maryland	999 323	483 617
	New Jersey	3 433	N		Massachusetts	956 453	1 414 894
	Washington	32 980	33 023		Michigan	24 296	N
3341197	POINT-OF-SALE TERMINALS AND FUNDS-TRANSFER DEVICES				Minnesota	432 503	160 966
	United States	1 635 769	N		Mississippi	10 958	N
	California	16 991	N		Nevada	15 880	N
	New York	48 645	N		New Hampshire	62 588	31 375
	Pennsylvania	172 512	N		New Jersey	941 211	674 254
					New York	768 417	387 360
					North Carolina	1 517 197	62 588
					Ohio	268 820	314 898
					Oklahoma	3 441	9 831
					Oregon	122 483	99 476
					Pennsylvania	347 570	131 274
					Tennessee	60 688	N
					Texas	2 387 498	1 155 914
					Virginia	1 350 748	431 873
					Washington	111 586	53 613
					Wisconsin	19 407	N

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		1997	1992			1997	1992
3342203	BROADCAST, STUDIO, AND RELATED ELECTRONIC EQUIPMENT			3343103	OTHER CONSUMER AUDIO AND VIDEO EQUIPMENT, INCLUDING AUDIO AND VIDEO RECORDERS AND PLAYERS, CAMCORDERS—Con.		
	United States	4 194 422	N		Tennessee	7 895	N
	California	1 589 552	N		Texas	24 899	N
	Colorado	20 117	N				
	Florida	106 363	N	3343104	SPEAKERS, INCLUDING LOUDSPEAKER SYSTEMS AND LOUDSPEAKERS SOLD SEPARATELY, AND COMMERCIAL SOUND EQUIPMENT		
	Massachusetts	251 889	N		United States	2 156 074	1 648 643
	Michigan	10 503	N		Arkansas	42 550	38 918
	Minnesota	79 501	N		California	399 324	363 964
	New Jersey	170 694	N		Florida	32 944	N
	New York	434 038	N		Illinois	233 876	168 146
	Ohio	39 511	N		Indiana	264 944	N
	Pennsylvania	365 979	N		Kentucky	65 767	45 760
	Tennessee	13 233	N		Massachusetts	352 409	238 645
	Utah	134 509	N		Michigan	153 206	82 018
	Virginia	8 041	N		Minnesota	7 219	N
	Washington	87 472	N		New York	6 241	10 617
3342207	MICROWAVE COMPONENTS AND DEVICES, EXCEPT ANTENNAE, TUBES, AND SEMICONDUCTORS			3344111	TRANSMITTAL, INDUSTRIAL, AND SPECIAL-PURPOSE ELECTRON TUBES (EXCEPT X-RAY)		
	United States	1 833 898	1 306 243		United States	577 989	918 080
	Arizona	24 437	N		California	317 383	391 956
	California	582 181	400 998		Massachusetts	64 909	113 100
	Florida	18 718	16 964		New Jersey	36 359	32 908
	Maryland	149 167	35 167		Pennsylvania	69 217	78 349
	Massachusetts	304 012	186 382	3344114	RECEIVING-TYPE ELECTRON TUBES, INCLUDING CATHODE RAY (NEW AND REBUILT)		
	New Hampshire	78 333	46 428		United States	3 394 462	2 125 012
	New Jersey	94 272	54 968				
	New York	189 795	147 965	3344117	ELECTRON TUBE PARTS		
	Pennsylvania	41 912	33 593		United States	156 671	164 644
3342901	ALARM SYSTEMS, INCLUDING ELECTRIC SIRENS AND HORNS				New Jersey	10 749	N
	United States	2 056 111	1 410 664		Ohio	44 949	N
	California	179 556	217 224	3344131	INTEGRATED MICROCIRCUITS, INCLUDING SEMICONDUCTOR NETWORKS, MICROPROCESSORS, AND MOS MEMORIES		
	Colorado	85 432	23 932		United States	60 277 163	20 852 835
	Florida	87 416	60 129		Arizona	6 524 241	1 232 567
	Massachusetts	205 088	157 076		California	11 104 563	6 215 054
	Michigan	85 134	57 360		Colorado	1 256 309	339 990
	Minnesota	149 547	85 019		Florida	75 858	N
	New Jersey	145 926	108 346		Massachusetts	1 107 022	837 699
	Texas	43 581	18 623		New York	1 002 391	285 956
3342902	VEHICULAR AND PEDESTRIAN TRAFFIC CONTROL EQUIPMENT, ELECTRIC RAILWAY SIGNALS AND ATTACHMENTS			3344134	TRANSISTORS		
	United States	1 003 415	591 285		United States	1 661 296	709 518
	California	180 497	102 037		California	364 270	142 124
	Florida	74 408	35 219		Massachusetts	26 580	9 493
	Minnesota	69 808	N	3344137	DIODES AND RECTIFIERS		
	Texas	33 255	22 789		United States	1 200 564	712 035
3342903	INTERCOMMUNICATIONS SYSTEMS, INCLUDING INDUCTIVE PAGING SYSTEMS (SELECTIVE PAGING), EXCEPT TELEPHONE AND TELEGRAPH				California	124 604	120 908
	United States	291 751	304 665		Massachusetts	115 457	91 660
	California	53 164	81 124		Pennsylvania	24 389	27 473
	Florida	13 485	5 730	334413A	OTHER SEMICONDUCTOR DEVICES, INCLUDING SEMICONDUCTOR PARTS, SUCH AS CHIPS, WAFERS, AND HEAT SINKS		
3343101	HOME, PORTABLE, AND AUTOMOBILE RADIOS AND RADIO-PHONOGRAPH-TAPE RECORDER-COMPACT DISC COMBINATIONS				United States	11 202 336	5 979 989
	United States	992 601	600 237		Arizona	1 859 109	N
	California	14 609	N		California	2 282 151	1 208 899
	Indiana	208 662	N		Illinois	18 435	4 878
3343102	TELEVISION RECEIVERS, INCLUDING COMBINATION MODELS				New Jersey	84 003	57 729
	United States	4 375 014	4 904 089		Ohio	138 928	160 613
	Tennessee	1 253 899	1 261 611		Oregon	988 574	556 062
3343103	OTHER CONSUMER AUDIO AND VIDEO EQUIPMENT, INCLUDING AUDIO AND VIDEO RECORDERS AND PLAYERS, CAMCORDERS			3344171	COAXIAL (RF) CONNECTORS FOR ELECTRONIC CIRCUITRY		
	United States	706 191	229 694				
	California	229 485	38 829		Arizona	1 859 109	N
	Connecticut	51 191	N		California	2 282 151	1 208 899
	Illinois	8 211	10 426		Illinois	18 435	4 878
	New Hampshire	6 254	N		New Jersey	84 003	57 729
	New York	20 079	N		Ohio	138 928	160 613
	North Carolina	3 240	N		Oregon	988 574	556 062
	Ohio	6 610	N		Pennsylvania	751 695	486 062
	Oregon	12 259	N		Texas	1 543 307	392 880

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NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)		NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)	
		1997	1992			1997	1992
3344171	COAXIAL (RF) CONNECTORS FOR ELECTRONIC CIRCUITRY—Con.			3344191	CRYSTALS, FILTERS, PIEZOELECTRIC, AND OTHER RELATED ELECTRONIC DEVICES, EXCEPT MICROWAVE FILTERS		
	United States	676 224	426 930		United States	964 480	516 481
	California	37 635	21 527		Arizona	18 129	14 445
	Connecticut	112 325	86 410		California	182 582	86 628
	Massachusetts	77 724	41 403		Connecticut	54 455	5 352
	Pennsylvania	97 596	N		Illinois	93 942	58 522
3344174	CYLINDRICAL CONNECTORS FOR ELECTRONIC CIRCUITRY				Kansas	14 914	23 008
	United States	602 702	549 535		Massachusetts	34 875	23 437
	California	275 855	249 384		New York	51 563	28 316
	Illinois	41 135	N		Ohio	37 573	29 439
3344177	RACK AND PANEL (RECTANGULAR) CONNECTORS FOR ELECTRONIC CIRCUITRY			3344194	TRANSDUCERS, ELECTRICAL-ELECTRONIC INPUT OR OUTPUT, NEC		
	United States	579 598	523 292		United States	1 261 240	801 381
	California	122 378	107 812		California	381 782	253 253
334417A	PRINTED CIRCUIT CONNECTORS FOR ELECTRONIC CIRCUITRY				Connecticut	18 353	21 974
	United States	1 353 679	827 231		Massachusetts	103 224	77 970
	California	24 613	67 279		Michigan	23 808	9 744
	Minnesota	16 330	N		New Jersey	47 085	N
	New York	22 210	37 643		New York	56 942	67 792
334417D	OTHER CONNECTORS FOR ELECTRONIC CIRCUITRY, INCLUDING PARTS			3344197	SWITCHES, MECHANICAL, FOR ELECTRONIC CIRCUITRY		
	United States	2 162 527	1 184 397		United States	822 899	479 703
	California	407 985	288 442		California	70 590	20 919
	Florida	43 935	N		Connecticut	38 728	34 637
	Illinois	65 483	51 855		Illinois	140 209	87 142
	Massachusetts	98 764	50 816		Massachusetts	56 655	51 934
	New Jersey	89 746	23 124		New Jersey	17 939	10 762
	New York	64 523	73 329	334419D	ELECTRONIC COMPONENTS, NEC		
	Ohio	86 925	N		United States	6 050 266	N
	Pennsylvania	463 945	138 303		Arizona	53 820	N
3344184	PRINTED CIRCUIT, ELECTRONIC ASSEMBLIES				Arkansas	28 043	N
	United States	990 981	N		California	1 315 475	N
	California	117 562	N		Colorado	262 296	N
	Texas	12 278	N		Connecticut	113 969	N
334418A	PRINTED CIRCUIT ASSEMBLIES, LOADED BOARDS OR MODULES (PRINTED CIRCUIT BOARDS WITH INSERTED ELECTRONIC COMPONENTS)				Florida	163 404	N
	United States	27 006 877	14 310 176		Georgia	26 341	N
	Alabama	687 183	N		Illinois	164 581	N
	California	8 674 378	3 143 000		Indiana	153 294	N
	Colorado	1 417 958	275 768		Iowa	61 433	N
	Connecticut	93 954	42 465		Kansas	27 543	N
	Florida	980 165	447 969		Kentucky	9 940	N
	Georgia	196 624	N		Maryland	14 706	N
	Illinois	133 308	56 622		Massachusetts	227 936	N
	Indiana	264 722	230 921		Michigan	79 633	N
	Kentucky	84 525	14 164		Minnesota	264 624	N
	Maryland	73 416	24 518		Mississippi	32 270	N
	Massachusetts	932 079	670 842		Missouri	83 251	N
	Michigan	510 312	112 825	3345101	ELECTROMEDICAL EQUIPMENT (DIAGNOSTIC, THERAPEUTIC, PATIENT MONITORING, ETC.), EXCLUDING IONIZING RADIATION EQUIPMENT AND HEARING AIDS		
	Minnesota	662 384	456 575		United States	9 414 822	N
	Missouri	88 951	N		Arizona	114 922	N
	New Hampshire	1 030 090	101 093		California	2 030 684	N
	New Jersey	143 936	84 514		Colorado	665 507	N
	New Mexico	11 122	20 409		Connecticut	107 987	N
	New York	1 267 815	N		Florida	268 386	N
	North Carolina	1 582 872	N		Illinois	102 214	N
	Ohio	119 399	52 230		Massachusetts	1 156 672	N
	Oklahoma	60 201	19 283		Michigan	57 661	N
	Oregon	231 058	122 010		Minnesota	1 032 985	N
	Pennsylvania	223 642	97 459		New Jersey	226 297	N
	Rhode Island	33 451	N		New York	190 814	N
	Tennessee	154 753	N				
	Texas	3 784 516	3 155 650				
	Utah	13 397	40 727				
	Virginia	39 931	89 577				
	Washington	181 103	38 303				
	Wisconsin	552 771	237 443				

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		1997	1992			1997	1992
3345101	ELECTROMEDICAL EQUIPMENT (DIAGNOSTIC, THERAPEUTIC, PATIENT MONITORING, ETC.), EXCLUDING IONIZING RADIATION EQUIPMENT AND HEARING AIDS—Con.			3345151	ELECTRICAL INTEGRATING INSTRUMENTS—Con.		
	United States				United States	484 671	441 132
	Ohio	192 556	N		California	14 353	3 603
	Oklahoma	51 539	N		Pennsylvania	10 822	N
	Oregon	106 944	N	3345153	TEST EQUIPMENT FOR TESTING ELECTRICAL, RADIO AND COMMUNICATION CIRCUITS, AND MOTORS, EXCEPT PORTABLE INSTRUMENT TRANSFORMERS		
	Pennsylvania	174 767	N		United States	11 253 180	N
	Tennessee	17 534	N		Arizona	210 283	N
	Texas	322 619	N		California	5 106 478	N
	Utah	225 932	N		Connecticut	37 458	N
	Washington	790 156	N		Florida	60 776	N
	Wisconsin	998 094	N		Georgia	37 015	N
3345103	ELECTRONIC HEARING AIDS, COMPLETE UNITS				Illinois	195 952	N
	United States	585 336	376 649		Massachusetts	1 144 491	N
	California	57 802	N		Michigan	19 075	N
	Florida	31 057	25 951		Minnesota	130 036	N
	Minnesota	304 824	178 070		Missouri	27 976	N
	New Jersey	41 882	35 371		New Hampshire	43 505	N
3345111	AERONAUTICAL, NAUTICAL, AND NAVIGATIONAL INSTRUMENTS, NOT SENDING OR RECEIVING RADIO SIGNALS, EXCEPT ENGINE INSTRUMENTS				New Jersey	225 007	N
	United States	2 651 069	2 553 875		New York	337 817	N
	California	503 510	216 762		North Carolina	74 539	N
	Connecticut	78 021	135 968		Ohio	155 041	N
	Florida	160 950	N		Oregon	1 164 575	N
	Kansas	15 089	28 887	3345155	Pennsylvania	62 961	N
	Massachusetts	42 203	31 600		Rhode Island	22 081	N
	Michigan	92 307	119 350		Texas	227 701	N
	New Hampshire	44 105	N		Virginia	18 046	N
	New York	66 313	45 632		Washington	608 923	N
	Pennsylvania	79 016	187 001				
	Texas	16 053	24 174		OTHER INSTRUMENTS TO MEASURE ELECTRICITY		
	Virginia	69 072	N		United States	486 394	527 506
	Washington	287 186	74 702		California	97 278	97 302
3345113	SEARCH, DETECTION, NAVIGATION, AND GUIDANCE SYSTEMS AND EQUIPMENT				Illinois	22 639	14 550
	United States	26 748 331	N	3345181	WATCHES, WATCHCASES, MOVEMENTS OR MODULES, AND WATCH PARTS		
	Alabama	114 114	N		United States	86 289	107 617
	Arizona	750 366	N		New York	25 446	51 991
	California	5 364 842	N	3345183	CLOCKS, TIMING MECHANISMS, TIME RECORDING AND TIME STAMP DEVICES, TIME SWITCHES, CLOCK MOVEMENTS, CLOCK CASES, AND PARTS		
	Connecticut	248 994	N		United States	628 565	N
	Florida	2 139 417	N		California	62 733	N
	Indiana	180 182	N		Connecticut	14 886	N
	Michigan	132 602	N		Michigan	105 758	N
	New Jersey	1 531 991	N		Ohio	18 161	N
	New York	2 391 721	N		Pennsylvania	3 117	N
	North Carolina	126 994	N		Virginia	32 648	N
	Ohio	125 175	N				
	Oregon	226 744	N		AIRCRAFT ENGINE INSTRUMENTS, EXCEPT FLIGHT		
	Texas	2 695 027	N		United States	511 927	624 214
	Utah	263 143	N		California	46 032	50 457
	Virginia	1 020 842	N		Minnesota	31 249	22 400
3345141	INTEGRATING AND TOTALIZING METERS FOR GAS AND LIQUIDS			3345191			
	United States	1 185 328	773 292		New York	78 668	N
	California	56 375	22 779		Pennsylvania	12 856	N
	Connecticut	14 501	N				
	Florida	21 134	N	3345193	PHYSICAL PROPERTIES TESTING AND INSPECTION EQUIPMENT AND KINEMATIC TESTING AND MEASURING EQUIPMENT		
	Iowa	7 598	N		United States	1 576 885	1 169 082
	New York	6 908	N		Arizona	15 715	N
	Pennsylvania	370 358	270 091		California	170 600	142 028
	South Carolina	42 335	N		Colorado	8 715	5 741
	Texas	105 734	67 322		Connecticut	17 096	29 187
3345143	COUNTING DEVICES, EXCLUDING MOTOR VEHICLE INSTRUMENTS				Illinois	62 692	45 597
	United States	407 153	271 981		Indiana	16 689	N
	Connecticut	10 716	11 633		Massachusetts	154 414	102 572
	Illinois	39 598	66 858		Michigan	81 794	78 496
	New York	7 193	3 505		Minnesota	281 073	N
3345145	MOTOR VEHICLE INSTRUMENTS				New Hampshire	17 701	N
	United States	2 300 471	1 593 360				
	California	4 647	N				
	Illinois	22 169	15 431				
3345151	ELECTRICAL INTEGRATING INSTRUMENTS						

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		1997	1992			1997	1992
3345193	PHYSICAL PROPERTIES TESTING AND INSPECTION EQUIPMENT AND KINEMATIC TESTING AND MEASURING EQUIPMENT—Con.			3351213	RESIDENTIAL-TYPE PORTABLE LIGHTING FIXTURES, INCLUDING PARTS AND ACCESSORIES—Con.		
	United States				United States	703 218	N
	New Jersey	56 236	54 778		Alabama	21 704	N
	New York	139 592	75 409		Arkansas	70 931	N
	North Carolina	52 373	40 819		California	83 744	N
	Ohio	118 729	135 346		Florida	51 450	N
	Oregon	35 156	N		Illinois	135 041	N
	Pennsylvania	111 090	80 692		Kentucky	6 037	N
	Tennessee	10 560	N		Massachusetts	10 397	N
	Texas	22 847	14 611		Michigan	12 222	N
	Virginia	13 600	N		New Jersey	26 011	N
	Washington	55 173	N		New York	64 215	N
	Wisconsin	12 160	7 899		North Carolina	59 339	N
3345195	NUCLEAR RADIATION DETECTION AND MONITORING INSTRUMENTS				Ohio	16 188	N
	United States	502 142	580 659		Pennsylvania	54 164	N
	California	40 214	44 513	3351221	COMMERCIAL AND INSTITUTIONAL-TYPE ELECTRIC LIGHTING FIXTURES, INCLUDING PARTS AND ACCESSORIES		
	New York	21 736	42 201		United States	3 295 582	2 431 563
	Ohio	114 951	134 800		Arizona	13 077	N
	Pennsylvania	41 790	43 161		California	456 726	329 167
3345197	COMMERCIAL, GEOPHYSICAL, METEOROLOGICAL, AND GENERAL-PURPOSE INSTRUMENTS AND EQUIPMENT, EXCEPT MEDICAL THERMOMETERS				Colorado	16 216	8 075
	United States	1 543 851	N		Connecticut	31 649	14 049
	Arizona	26 480	N		Florida	12 152	N
	California	426 766	N		Illinois	349 386	332 560
	Colorado	16 548	N		Indiana	63 284	N
	Connecticut	31 604	N		Kentucky	11 252	N
	Florida	71 148	N		Massachusetts	117 743	N
	Illinois	12 808	N		Michigan	93 348	52 495
	Maryland	43 786	N		Missouri	76 852	45 577
	Massachusetts	74 840	N		New Jersey	196 264	137 538
	Michigan	39 026	N		New York	219 482	112 310
	Minnesota	51 941	N		North Carolina	30 246	6 197
	New Jersey	20 237	N		Ohio	114 166	62 533
	New York	89 545	N		Pennsylvania	176 912	161 756
	Pennsylvania	46 093	N		Rhode Island	15 938	N
	Rhode Island	6 774	N		Tennessee	161 875	83 849
	Texas	298 668	N		Texas	93 489	77 008
	Virginia	14 000	N		Virginia	16 131	N
	Washington	23 960	N		Wisconsin	76 164	27 159
3345199	SURVEY AND DRAFTING INSTRUMENTS AND APPARATUS, INCLUDING PHOTOGRAMMETRIC EQUIPMENT			3351222	INDUSTRIAL-TYPE ELECTRIC LIGHTING FIXTURES, INCLUDING PARTS AND ACCESSORIES		
	United States	344 853	N		United States	788 249	467 504
	California	133 414	N		California	28 918	16 358
3351101	ELECTRIC LAMP BULBS AND TUBES (INCLUDING SEALED BEAM LAMP BULBS)				Illinois	9 085	11 859
	United States	2 868 070	2 697 382		Mississippi	87 511	N
	California	39 695	27 986		Missouri	14 477	N
	New Jersey	52 842	66 528		New Jersey	26 571	16 936
3351103	ELECTRIC LAMP (BULBS AND TUBES) COMPONENTS (BASES, SUPPORTS, LEAD-INS, FILAMENTS, ETC., BUT EXCLUDING LAMP BULB BLANKS)				New York	64 842	64 575
	United States	294 136	212 416		Pennsylvania	24 237	N
3351211	RESIDENTIAL-TYPE ELECTRIC LIGHTING FIXTURES (EXCEPT PORTABLE), INCLUDING PARTS AND ACCESSORIES				Tennessee	25 903	N
	United States	1 182 877	857 993		Texas	26 639	13 085
	Arkansas	21 414	N		Wisconsin	26 876	N
	California	170 730	138 141	3351291	OUTDOOR LIGHTING EQUIPMENT (INCLUDING PARTS AND ACCESSORIES)		
	Florida	4 443	7 279		United States	1 691 291	1 134 693
	Illinois	303 615	95 574		California	233 143	169 269
	Massachusetts	18 897	N		Illinois	57 247	25 865
	New Jersey	64 441	95 300		New Jersey	37 222	43 927
	New York	53 465	65 431		New York	18 130	14 008
	North Carolina	2 385	N		Ohio	269 023	121 222
	Ohio	98 573	90 524		Pennsylvania	34 343	27 718
	Pennsylvania	151 246	106 039		Tennessee	17 783	N
	Tennessee	10 522	N		Texas	123 447	47 262
	Texas	38 206	11 580	3351293	ELECTRIC AND NONELECTRIC LIGHTING EQUIPMENT, NEC, INCLUDING HAND PORTABLE, PARTS, AND ACCESSORIES		
3351213	RESIDENTIAL-TYPE PORTABLE LIGHTING FIXTURES, INCLUDING PARTS AND ACCESSORIES				United States	1 065 954	N
					California	291 952	N
					Connecticut	65 725	N
					Florida	10 204	N
					Illinois	27 264	N
					Indiana	9 770	N
					Massachusetts	33 018	N
					Michigan	28 780	N
					Missouri	11 885	N
					New Jersey	12 080	N
					New York	104 252	N

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		1997	1992			1997	1992
3351293	ELECTRIC AND NONELECTRIC LIGHTING EQUIPMENT, NEC, INCLUDING HAND PORTABLE, PARTS, AND ACCESSORIES—Con.			3352281	HOUSEHOLD WATER HEATERS, ELECTRIC, FOR PERMANENT INSTALLATION		
	North Carolina	87 134	N		United States	548 477	432 601
	Ohio	30 612	N		California	5 541	N
	Pennsylvania	46 407	N				
	Texas	46 493	N	3352283	HOUSEHOLD WATER HEATERS, EXCEPT ELECTRIC		
	Wisconsin	108 479	N		United States	756 280	568 441
3352111	ELECTRIC FANS, EXCEPT INDUSTRIAL-TYPE			3352285	HOUSEHOLD APPLIANCES AND PARTS, NEC		
	United States	874 427	498 779		United States	1 590 977	N
	Texas	147 466	73 116	3353111	POWER AND DISTRIBUTION TRANSFORMERS, EXCEPT PARTS		
3352113	SMALL ELECTRIC HOUSEHOLD APPLIANCES, EXCEPT FANS AND WALL AND BASEBOARD HEATING UNITS FOR PERMANENT INSTALLATION				United States	2 220 179	2 157 439
	United States	1 507 079	N		California	109 766	121 067
	California	19 912	N		Mississippi	423 558	228 026
	Tennessee	24 962	N		New Jersey	26 795	16 125
3352115	PARTS AND ATTACHMENTS FOR SMALL HOUSEHOLD ELECTRIC APPLIANCES				Texas	72 175	51 254
	United States	120 636	N	3353113	SPECIALTY TRANSFORMERS, EXCEPT FLOURESCENT LAMP BALLASTS		
3352121	HOUSEHOLD VACUUM CLEANERS				United States	511 903	N
	United States	D	N		California	24 754	N
	Ohio	578 337	N		Illinois	28 377	N
	Texas	433 156	N		New Jersey	9 355	N
3352122	FLOOR WAXING AND FLOOR POLISHING MACHINES AND PARTS				Ohio	9 734	N
	United States	D	N	3353115	FLUORESCENT LAMP BALLASTS		
3352211	ELECTRIC HOUSEHOLD COOKING EQUIPMENT, INCLUDING MICROWAVE, RANGES, OVENS, SURFACE COOKING UNITS AND EQUIPMENT				United States	968 909	794 969
	United States	1 829 108	1 609 437	3353117	COMMERCIAL, INSTITUTIONAL, AND INDUSTRIAL GENERAL-PURPOSE TRANSFORMERS, ALL VOLTAGES		
	Tennessee	584 203	399 752		United States	303 791	271 530
3352213	GAS HOUSEHOLD RANGES, OVENS, SURFACE COOKING UNITS, AND EQUIPMENT, INCLUDING PARTS AND ACCESSORIES				California	26 559	14 312
	United States	868 329	613 803	3353119	POWER REGULATORS, BOOSTERS, AND OTHER TRANSFORMERS AND PARTS FOR ALL TRANSFORMERS		
	Tennessee	366 980	317 456		United States	514 466	312 710
3352215	OTHER HOUSEHOLD RANGES AND COOKING EQUIPMENT				Alabama	58 396	N
	United States	924 725	763 262		California	12 341	N
	California	44 706	N		Connecticut	11 417	N
	Illinois	232 440	212 860		Illinois	120 919	N
	Tennessee	84 451	N		New Jersey	3 455	2 049
3352221	HOUSEHOLD REFRIGERATORS, INCLUDING COMBINATION REFRIGERATOR-FREEZERS			3353121	FRACTIONAL HORSEPOWER MOTORS (RATED AT LESS THAN 746 WATTS) (EXCLUDING HERMETICS)		
	United States	4 430 327	N		United States	5 178 561	4 020 575
3352222	FOOD FREEZERS, COMPLETE UNITS, HOUSEHOLD-TYPE				Arkansas	472 951	347 407
	United States	330 920	N		California	86 802	44 577
3352223	PARTS AND ATTACHMENTS FOR HOUSEHOLD REFRIGERATORS AND FREEZERS (EXCLUDING COMPRESSORS, CONDENSING UNITS, AND ICE MAKING MACHINES)				Connecticut	101 651	N
	United States	61 927	77 528		Illinois	277 453	265 244
					Indiana	245 133	192 416
					Iowa	2 915	N
					Minnesota	40 425	14 817
					Mississippi	244 214	178 589
					Missouri	490 739	517 878
					North Carolina	339 506	155 718
					Ohio	238 945	220 451
					Pennsylvania	133 371	132 078
					Tennessee	255 092	239 422
					Virginia	100 242	83 539
					Wisconsin	664 833	518 938

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		1997	1992			1997	1992
3353123	INTEGRAL HORSEPOWER MOTORS AND GENERATORS OTHER THAN FOR LAND TRANSPORTATION EQUIPMENT (RATED AT 746 WATTS OR MORE)			3353133	LOW VOLTAGE PANELBOARDS AND DISTRIBUTION BOARDS AND OTHER SWITCHING AND INTERRUPTING DEVICES, 1000 VOLTS OR LESS		
	United States	2 245 671	1 692 083		United States	2 331 111	1 605 171
	Arkansas	353 909	226 367		California	159 677	89 242
	California	46 040	34 363		Connecticut	48 933	N
	Florida	2 471	N		Florida	33 378	10 324
	Illinois	13 740	N		Georgia	145 830	N
	Minnesota	98 234	61 653		Illinois	200 028	118 921
	New Jersey	6 587	23 150		Michigan	118 027	84 784
	North Carolina	148 576	94 870		Minnesota	69 399	N
	Ohio	262 149	227 090		Missouri	34 870	23 801
	Pennsylvania	39 483	97 362		New Jersey	45 466	36 613
	Wisconsin	116 120	113 728		New York	27 055	9 363
3353125	LAND TRANSPORTATION MOTORS, GENERATORS, AND CONTROL EQUIPMENT, EXCLUDING PARTS				Ohio	121 434	82 503
	United States	332 612	188 386	3353135	FUSES AND FUSE EQUIPMENT, LESS THAN 2300 VOLTS, EXCEPT POWER DISTRIBUTION CUT-OUTS		
	Illinois	51 172	N		United States	562 221	425 478
	Ohio	6 468	N		Kentucky	46 269	N
3353127	PRIME MOVER GENERATOR SETS, EXCEPT STEAM OR HYDRAULIC TURBINE			3353137	MOLDED CASE CIRCUIT BREAKERS, 1000 VOLTS OR LESS		
	United States	1 648 488	1 157 198		United States	1 294 712	1 021 718
	Wisconsin	452 846	260 001		Maryland	85 699	65 030
3353129	FRACTIONAL MOTOR GENERATOR SETS AND OTHER ROTATING EQUIPMENT, INCLUDING HERMETICS			3353139	DUCT, INCLUDING PLUG-IN UNITS AND ACCESSORIES, 1000 VOLTS OR LESS		
	United States	502 708	361 581		United States	291 157	186 820
335312A	INTEGRAL MOTOR GENERATOR SETS AND OTHER ROTATING EQUIPMENT, INCLUDING HERMETICS			335313A	SWITCHGEAR, EXCEPT DUCTS AND RELAYS		
	United States	618 360	443 108		United States	1 956 370	1 583 300
	California	69 412	8 568		California	86 496	91 634
	New Jersey	3 862	N		Florida	71 402	N
	Ohio	33 568	17 293		Illinois	352 672	293 787
	Tennessee	169 865	N		Louisiana	7 988	N
	Wisconsin	59 610	N		Michigan	34 955	N
335312C	PARTS, SUPPLIES FOR MOTORS, GENERATORS, GENERATOR SETS, AND OTHER ROTATING EQUIPMENT, EXCLUDING MOTORS FOR BUILT-IN JOBS				Minnesota	15 318	16 232
	United States	679 835	606 662		New York	23 751	24 438
	Alabama	44 338	N	3353141	RELAYS FOR ELECTRONIC CIRCUITRY, INDUSTRIAL CONTROL, OVERLOAD, AND SWITCHGEAR TYPE		
	Arkansas	9 465	11 276		United States	971 104	843 179
	California	10 390	24 240		California	159 861	106 756
	Illinois	36 763	40 426		Connecticut	13 236	24 429
	Indiana	6 768	18 940		Florida	47 318	N
	Michigan	62 030	57 972		Illinois	60 443	83 928
	Minnesota	48 218	36 999		Indiana	9 177	65 138
	Mississippi	3 856	3 089		Michigan	48 158	14 208
	Missouri	6 968	N		New Jersey	18 353	40 264
	New Jersey	6 358	N		New York	33 548	44 116
	New York	39 188	34 065		North Carolina	91 862	49 597
	Ohio	134 916	127 478		Ohio	54 813	36 353
	Pennsylvania	50 202	85 922		Pennsylvania	28 680	55 928
	South Carolina	11 227	N		Texas	48 333	15 753
	Texas	21 100	N		Wisconsin	68 296	42 600
	Wisconsin	43 329	12 411	3353143	SPECIFIC-PURPOSE INDUSTRIAL CONTROLS		
335312E	ARMATURE REWINDING ON A FACTORY BASIS (EXCLUDING CUSTOM REPAIR SHOP REWINDING)				United States	3 772 940	2 306 334
	United States	113 707	N		Alabama	4 934	4 275
3353131	POWER CIRCUIT BREAKERS, ALL VOLTAGES				California	245 052	153 553
	United States	532 302	455 463		Colorado	8 958	7 971
	California	19 622	2 550		Connecticut	89 211	46 035
	Illinois	27 582	13 703		Florida	92 728	74 323
	Ohio	17 837	2 849		Illinois	300 587	113 516
	Pennsylvania	161 578	161 643		Iowa	76 331	68 085
					Louisiana	4 690	N
					Massachusetts	271 930	204 826
					Michigan	176 125	97 946

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		1997	1992			1997	1992
3353143	SPECIFIC-PURPOSE INDUSTRIAL CONTROLS—Con.			3359291	POWER WIRE AND CABLE, MADE IN PLANTS THAT DRAW WIRE		
	Minnesota	60 304	45 035		United States	1 597 305	1 278 318
	Missouri	20 354	N		California	129 003	74 833
	New Jersey	44 490	28 784		Illinois	89 146	93 214
	New York	99 443	107 373		New York	148 832	N
	North Carolina	121 358	165 368		Pennsylvania	90 695	102 599
	Ohio	612 361	354 275		Rhode Island	43 401	N
	Oregon	8 732	11 263		Texas	74 885	115 833
	Pennsylvania	215 854	95 723	335929A	ELECTRONIC WIRE AND CABLE, MADE IN PLANTS THAT DRAW WIRE		
	Tennessee	18 497	N		United States	3 362 756	1 821 865
	Texas	106 596	78 407		Arizona	88 184	N
	Virginia	514 095	N		California	180 320	84 376
	Washington	28 820	5 017		Colorado	12 929	N
	Wisconsin	398 600	120 266		Connecticut	182 041	141 423
3353145	GENERAL-PURPOSE INDUSTRIAL CONTROLS				Illinois	317 755	117 217
	United States	4 776 653	3 018 955		Massachusetts	372 386	210 412
	Alabama	9 825	N		Minnesota	34 326	N
	Arkansas	12 204	9 909		New Jersey	7 730	69 354
	California	162 925	259 931		New York	84 876	55 444
	Connecticut	59 810	56 478		Ohio	54 537	N
	Florida	112 118	47 795		Oregon	11 144	N
	Illinois	281 806	249 141	335929B	TELEPHONE AND TELEGRAPH WIRE AND CABLE, MADE IN PLANTS THAT DRAW WIRE		
	Indiana	52 567	31 512		United States	2 013 716	1 532 770
	Massachusetts	133 910	N		Massachusetts	68 183	33 809
	Michigan	51 581	45 213		Texas	286 828	173 122
	Minnesota	223 445	71 639	335929C	CONTROL AND SIGNAL WIRE AND CABLE, MADE IN PLANTS THAT DRAW WIRE		
	New York	182 675	116 259		United States	488 983	394 657
	North Carolina	582 121	387 364		California	24 440	N
	Ohio	356 186	223 776		Connecticut	65 490	40 960
	Oklahoma	15 980	8 609		Massachusetts	20 878	23 608
	Pennsylvania	144 869	83 229		New York	27 680	43 206
	Tennessee	6 374	5 797		Pennsylvania	65 776	35 775
	Texas	213 034	123 069		Rhode Island	50 194	38 149
	Virginia	40 359	N		Texas	49 041	31 718
	Washington	48 797	N	335929D	BUILDING WIRE AND CABLE, MADE IN PLANTS THAT DRAW WIRE		
	Wisconsin	1 179 271	634 168		United States	2 675 449	2 083 061
3353147	PARTS FOR INDUSTRIAL CONTROLS AND MOTOR-CONTROL ACCESSORIES				Missouri	239 468	N
	United States	640 320	497 043		New York	97 757	135 814
	California	30 981	7 747	335929E	OTHER INSULATED WIRE AND CABLE, INCLUDING AUTOMOTIVE, MADE IN PLANTS THAT DRAW WIRE		
	Connecticut	14 995	N		United States	1 237 837	645 791
	Illinois	33 514	30 546		Connecticut	25 862	3 755
	Massachusetts	3 060	N		Florida	15 065	N
	Michigan	6 302	5 924		Illinois	65 695	46 582
	Minnesota	20 609	N		Massachusetts	60 501	45 663
	New York	23 053	19 999		New Jersey	28 567	9 368
	North Carolina	92 253	N		New York	24 566	15 282
	Ohio	88 249	49 966		Ohio	58 425	40 448
	Pennsylvania	23 308	21 968		Pennsylvania	123 045	57 805
	Texas	31 132	6 617		Texas	76 543	44 178
	Wisconsin	78 208	77 466	3359311	CURRENT-CARRYING LAMP HOLDERS		
3359111	STORAGE BATTERIES, LEAD ACID TYPE, BATTERY COUNCIL INTERNATIONAL DIMENSIONAL SIZE GROUP 8D (1.5 CU FT OR .042 CU M AND SMALLER)				United States	194 736	196 788
	United States	2 857 009	2 201 519	3359313	CURRENT-CARRYING GENERAL- AND SPECIAL-PURPOSE CONVENIENCE AND POWER OUTLETS (EXCLUDING PIN-AND-SLEEVE TYPE)		
	California	322 325	260 547		United States	460 810	332 568
	Georgia	195 156	91 700	3359315	CURRENT-CARRYING SWITCHES FOR ELECTRICAL CIRCUITRY (INCLUDING VEHICULAR SWITCHES)		
	Kansas	296 716	262 975		United States	1 900 735	1 342 324
	Ohio	151 492	76 619		California	115 847	88 449
	Pennsylvania	380 698	250 437		Connecticut	75 790	46 604
	Texas	124 125	N		Georgia	17 019	N
3359114	STORAGE BATTERIES, LEAD ACID TYPE, LARGER THAN BATTERY COUNCIL INTERNATIONAL DIMENSIONAL SIZE GROUP 8D (1.5 CU FT OR .042 CU M AND SMALLER)				Illinois	653 221	394 882
	United States	946 840	578 482		Indiana	69 264	132 397
	California	20 473	63 904		Massachusetts	163 154	N
	Pennsylvania	185 457	N		Michigan	162 041	87 019
3359117	STORAGE BATTERIES, EXCEPT LEAD ACID, INCLUDING PARTS FOR ALL STORAGE BATTERIES				Nebraska	17 283	N
	United States	384 917	395 096		New Jersey	20 940	8 114
	Connecticut	16 846	N				

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		1997	1992			1997	1992
3359315	CURRENT-CARRYING SWITCHES FOR ELECTRICAL CIRCUITRY (INCLUDING VEHICULAR SWITCHES)—Con.			3359325	OTHER NONCURRENT-CARRYING WIRING DEVICES AND SUPPLIES (BOXES, COVERS, BAR HANGERS, ETC.)—Con.		
	New York	32 078	33 905		Ohio	58 352	39 252
	North Carolina	118 495	47 978		Pennsylvania	42 734	58 391
	Tennessee	46 212	25 099		Texas	31 295	23 857
	Texas	54 887	42 851				
	Wisconsin	32 925	30 707				
3359317	CURRENT-CARRYING METAL CONTACTS, INCLUDING PRECIOUS METAL			3359911	CARBON AND GRAPHITE ELECTRODES FOR ELECTRIC FURNACES AND ELECTROLYTIC CELL USE		
	United States	221 032	241 931		United States	1 032 727	572 278
	California	10 778	6 267		Ohio	21 550	N
	New Jersey	37 395	28 119				
	Pennsylvania	56 043	77 038				
3359319	CURRENT-CARRYING WIRE CONNECTORS FOR ELECTRICAL CIRCUITRY			3359913	ALL OTHER CARBON AND GRAPHITE PRODUCTS		
	United States	1 614 835	1 003 129		United States	1 092 155	625 522
	California	113 795	29 399		California	107 884	63 585
	Connecticut	12 556	N		Michigan	39 033	15 860
	Florida	75 631	50 049		New York	47 870	18 563
	Illinois	98 531	134 389		Ohio	101 259	75 409
	Massachusetts	52 606	29 447		Pennsylvania	235 546	126 838
	Michigan	123 815	N	3359991	CAPACITORS FOR INDUSTRIAL USE (EXCEPT FOR ELECTRONIC CIRCUITRY)		
	New Jersey	53 378	37 407		United States	299 541	231 049
	North Carolina	30 770	13 295				
	Ohio	100 392	69 442				
	Pennsylvania	283 273	205 405				
	Wisconsin	69 567	N				
335931A	OTHER CURRENT-CARRYING WIRING DEVICES, NEC (ATTACHMENTS, PLUG CAPS, CONNECTOR BODIES, LIGHTING ARRESTORS, POWER OUTLETS, ETC.)			3359993	RECTIFYING APPARATUS		
	United States	1 185 619	945 246		United States	1 790 911	1 047 898
	Arkansas	27 580	N		California	378 725	188 656
	California	38 281	29 082		Connecticut	43 514	N
	Connecticut	47 305	N		Illinois	249 389	90 994
	Florida	72 394	30 481		Massachusetts	212 000	23 430
	Georgia	29 132	21 679		Minnesota	64 535	29 186
	Illinois	151 530	98 474		New Jersey	42 269	57 379
	Indiana	79 469	46 100		New York	92 908	25 491
	Kansas	5 445	N		Ohio	183 619	120 747
	Massachusetts	23 669	11 708	3359995	OTHER ELECTRICAL EQUIPMENT FOR INDUSTRIAL USE, EXCEPT FOR ELECTRONIC CIRCUITRY		
	Minnesota	33 168	23 942		United States	802 912	N
	Missouri	66 192	45 272		Alabama	6 005	N
	North Carolina	74 777	44 070		Arizona	4 978	N
	Ohio	85 451	63 562		California	41 800	N
	Pennsylvania	17 173	19 804		Connecticut	20 500	N
	Texas	42 461	27 628		Florida	13 806	N
	Wisconsin	59 826	19 669		Illinois	67 551	N
3359321	NONCURRENT-CARRYING POLE AND TRANSMISSION LINE HARDWARE				Indiana	102 694	N
	United States	857 666	586 306		Louisiana	22 876	N
	Alabama	66 434	74 859		Michigan	28 706	N
	California	81 785	N		Minnesota	25 980	N
	Illinois	154 910	103 366		New Hampshire	14 002	N
	Ohio	4 042	N		New Jersey	3 913	N
	Pennsylvania	30 443	29 036		New York	27 356	N
	Tennessee	31 364	N		North Carolina	2 685	N
3359323	NONCURRENT-CARRYING ELECTRICAL CONDUIT AND CONDUIT FITTINGS, INCLUDING PLASTICS CONDUIT AND CONDUIT FITTINGS				Ohio	33 839	N
	United States	2 057 217	1 531 424	3359997	LASER GENERATOR POWER SUPPLIES AND COMPONENTS		
	California	266 296	156 852		United States	1 076 329	N
	Connecticut	271 967	164 587		California	704 940	N
	Florida	56 838	37 508		Michigan	40 530	N
	Illinois	223 631	230 822				
	North Carolina	5 027	5 794				
	Ohio	114 010	111 231	3359999	ALL OTHER LASER SYSTEMS AND EQUIPMENT		
	Pennsylvania	242 260	176 235		United States	145 221	N
	Texas	112 939	81 731		California	82 424	N
3359325	OTHER NONCURRENT-CARRYING WIRING DEVICES AND SUPPLIES (BOXES, COVERS, BAR HANGERS, ETC.)			335999A	ULTRASONIC EQUIPMENT (EXCEPT MEDICAL AND DENTAL)		
	United States	1 434 950	1 056 307		United States	223 878	131 585
	California	59 746	70 554		Pennsylvania	4 932	4 667
	Illinois	131 720	N				
	New Jersey	32 022	33 033				
	New York	60 159	81 546				
	North Carolina	65 610	41 552				

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		1997	1992			1997	1992
335999B	ALL OTHER APPARATUS WIRE AND CORDAGE MANUFACTURED FROM PURCHASED INSULATED WIRE			3362113	COMPLETE VEHICLES PRODUCED ON PURCHASED CHASSIS		
	United States	348 154	N		United States	2 563 062	N
	California	56 762	N		California	73 657	N
	Illinois	47 925	N		Florida	275 901	N
	Indiana	103 221	N		Georgia	224 569	N
	Minnesota	21 058	N		Indiana	187 610	N
	Missouri	9 143	N		Iowa	169 681	N
	New York	6 932	N		Kansas	150 790	N
335999C	ELECTRONIC SYSTEMS AND EQUIPMENT, NEC, INCLUDING AUTOMATIC GARAGE DOOR OPENERS AND AMPLIFIERS				Missouri	8 764	N
	United States	1 438 053	1 146 184		New Jersey	32 990	N
	California	449 163	331 726		New York	125 998	N
	Connecticut	24 849	24 301		North Carolina	88 692	N
	Florida	70 456	49 494		Ohio	118 364	N
	Illinois	45 682	72 266		Oregon	32 984	N
	Maryland	72 980	N		Pennsylvania	88 062	N
	Massachusetts	124 519	N		South Dakota	9 115	N
	Minnesota	13 149	N		Texas	10 031	N
	New Jersey	20 950	27 123		Virginia	7 559	N
	New York	67 709	90 247		Wisconsin	306 537	N
	North Carolina	19 307	N	3362121	TRUCK TRAILERS AND CHASSIS, WITH AXLE RATING OF 10,000 LB OR MORE		
	Texas	77 994	48 911		United States	4 709 142	2 859 730
	Wisconsin	25 742	N		Alabama	284 928	192 291
335999D	ALL OTHER MISCELLANEOUS ELECTRICAL EQUIPMENT AND COMPONENTS (EXCEPT FOR INDUSTRIAL USE), NEC				Arkansas	159 024	N
	United States	126 019	N		California	103 142	63 582
	Ohio	18 846	N		Colorado	52 386	21 404
3361201	TRUCKS, TRUCK TRACTORS, AND BUS CHASSIS (CHASSIS OF OWN MANUFACTURE) 14,001 TO 33,000 LB				Florida	50 510	41 125
	United States	4 158 870	N		Georgia	167 706	N
3361202	TRUCKS, TRUCK TRACTORS, AND BUS CHASSIS (CHASSIS OF OWN MANUFACTURE) 33,001 LB OR MORE				Illinois	410 960	339 502
	United States	11 167 520	N		Indiana	1 168 333	740 556
3361203	BUSES, INCLUDING MILITARY AND FIREFIGHTING VEHICLES (CHASSIS OF OWN MANUFACTURE)				Iowa	181 414	N
	United States	1 449 208	1 177 229		Kansas	37 009	N
	Ohio	36 066	223 102		Missouri	83 201	46 245
3362111	TRUCK, BUS, AND OTHER VEHICLE BODIES INCLUDING PASSENGER CAR BODIES AND KIT CARS FOR SALE SEPARATELY				Nebraska	167 115	N
	United States	5 138 280	N		Ohio	134 926	N
	Alabama	130 838	N		Oklahoma	31 319	15 261
	Arizona	27 903	N		Pennsylvania	208 513	117 179
	Florida	28 989	N		South Dakota	119 834	64 361
	Georgia	62 073	N		Tennessee	113 621	72 459
	Illinois	130 129	N		Texas	213 818	40 802
	Indiana	359 082	N		Washington	35 949	N
	Iowa	65 823	N		West Virginia	15 897	N
	Kansas	73 497	N	3362123	TRUCK TRAILERS AND CHASSIS, WITH AXLE RATING OF LESS THAN 10,000 LB		
	Kentucky	64 821	N		United States	271 283	122 041
	Michigan	126 245	N		Alabama	13 224	N
	Minnesota	42 004	N		California	5 406	N
	Mississippi	43 083	N		South Dakota	22 080	6 054
	Missouri	28 370	N		Texas	73 494	N
	New Jersey	13 112	N		Wisconsin	2 238	N
	New York	33 125	N	3362141	TRAVEL TRAILERS		
	North Carolina	375 968	N		United States	2 133 129	1 465 374
	Ohio	334 803	N		California	217 156	98 320
	Oklahoma	21 807	N		Indiana	1 144 426	761 646
	Pennsylvania	375 481	N		Kansas	116 388	95 681
	South Dakota	6 016	N		Ohio	61 071	52 037
	Tennessee	157 232	N		Oregon	156 621	N
	Texas	144 373	N		Pennsylvania	52 534	47 632
	Virginia	34 900	N		Texas	86 528	N
	Washington	21 437	N	3362143	AUTOMOBILE AND LIGHT TRUCK TRAILERS		
	West Virginia	16 108	N		United States	1 424 344	686 131
	Wisconsin	121 620	N		Arizona	7 104	6 856
					Arkansas	26 666	16 091
					California	90 610	37 915
					Florida	62 191	23 241
					Georgia	14 158	2 391
					Idaho	30 635	22 547
					Illinois	13 824	10 148
					Indiana	138 069	52 204
					Iowa	175 972	68 990
					Kansas	25 360	13 167
					Michigan	41 750	14 488
					Minnesota	15 932	29 768
					Mississippi	7 942	4 855
					Missouri	55 766	36 131
					New York	4 448	N
					North Carolina	24 979	10 163
					Ohio	24 337	16 877
					Oklahoma	233 854	94 107
					Oregon	6 163	N
					Pennsylvania	47 423	27 360

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		1997	1992			1997	1992
3362143	AUTOMOBILE AND LIGHT TRUCK TRAILERS—Con.			3363223	BATTERY CHARGING ALTERNATORS, GENERATORS, AND REGULATORS		
	Tennessee	43 427	35 361		United States	2 226 011	1 148 964
	Texas	150 442	44 461		Alabama	7 083	N
	Utah	30 658	N		California	47 461	63 593
	Washington	33 290	N		Illinois	63 375	33 585
	Wisconsin	68 492	20 358		Indiana	729 969	N
					Kentucky	35 029	12 410
3362145	CAMPING TRAILERS, CAMPERs, PICKUP COVERS, AND PARTS				Missouri	14 300	N
	United States	852 400	585 654		New Jersey	3 799	N
	California	92 201	62 211	3363225	CRANKING MOTORS (STARTERS)		
	Indiana	274 168	208 553		United States	759 716	902 292
	Iowa	43 971	N		California	25 586	36 153
	Kansas	9 344	N		Illinois	33 796	26 370
	Michigan	77 365	34 866		Kentucky	31 965	20 041
	Ohio	5 914	N		New York	5 272	8 048
	Oregon	33 108	N		Pennsylvania	3 167	19 051
3363111	CARBURETORS, NEW AND REBUILT (ALL TYPES)				Tennessee	14 958	N
	United States	935 569	714 461	3363227	SPARK PLUGS (ALL TYPES)	20 238	7 315
	California	30 929	33 275		United States	522 346	411 786
3363113	PISTONS, PISTON RINGS, AND PISTON PINS (ENGINE)			3363229	COMPLETE ENGINE ELECTRICAL EQUIPMENT, NEC		
	United States	1 029 243	716 223		United States	3 163 388	2 524 165
	California	22 025	10 407		Illinois	4 270	13 570
	Indiana	203 039	160 830		Ohio	74 313	31 482
	Michigan	83 375	80 083	336322A	PARTS FOR ENGINE ELECTRICAL AND ELECTRONIC EQUIPMENT		
	Ohio	42 433	31 940		United States	446 452	430 237
	Texas	14 756	9 266		Alabama	9 442	N
	Wisconsin	240 581	136 278		Pennsylvania	9 271	N
3363115	VALVES (ENGINE INTAKE AND EXHAUST)			336322C	MOTOR VEHICLE ELECTRICAL AND ELECTRONIC EQUIPMENT, EXCEPT ENGINE ELECTRICAL EQUIPMENT		
	United States	418 319	362 354		United States	7 187 487	N
	Pennsylvania	43 372	N		Illinois	419 037	N
3363121	GASOLINE ENGINES AND GASOLINE ENGINE PARTS FOR MOTOR VEHICLES, NEW				Indiana	1 218 317	N
	United States	24 579 425	N		Michigan	1 314 326	N
	Arkansas	175 767	N		Minnesota	37 184	N
	California	264 225	N		New York	55 147	N
	Connecticut	231 916	N	3363301	MOTOR VEHICLE STEERING AND SUSPENSION COMPONENTS, NEW		
	Florida	126 021	N		United States	9 586 330	N
	Georgia	48 445	N		California	46 368	N
	Illinois	368 675	N		Connecticut	49 159	N
	Indiana	1 292 535	N		Illinois	81 027	N
	Iowa	92 973	N		Indiana	1 878 282	N
	Michigan	9 897 201	N		Kentucky	210 816	N
	Mississippi	126 948	N		Michigan	2 682 519	N
	Missouri	23 812	N		Missouri	243 610	N
	New Jersey	32 132	N		New York	297 419	N
	North Carolina	305 574	N		Ohio	1 574 142	N
	Ohio	5 194 629	N		South Carolina	28 844	N
	South Carolina	628 971	N		Tennessee	874 422	N
	Tennessee	416 024	N	3363303	MOTOR VEHICLE STEERING AND SUSPENSION COMPONENTS, REBUILT		
3363123	GASOLINE ENGINES AND ENGINE PARTS FOR MOTOR VEHICLES, REBUILT				United States	178 313	N
	United States	420 049	N		California	7 160	N
	Arkansas	4 672	N	3363401	MOTOR VEHICLE BRAKE PARTS AND ASSEMBLIES, NEW		
	California	37 539	N		United States	9 833 732	N
	North Carolina	7 606	N		Alabama	127 784	N
	Pennsylvania	33 698	N		Arkansas	40 512	N
	Tennessee	19 263	N		California	69 746	N
	Washington	13 692	N		Georgia	48 175	N
3363221	IGNITION HARNESS AND CABLE SETS				Illinois	328 319	N
	United States	845 274	936 297		Indiana	369 861	N
	Illinois	57 362	46 754		Kentucky	768 333	N
	Indiana	68 496	89 000		Michigan	2 851 622	N
	Iowa	31 398	N		Missouri	253 650	N
	Mississippi	101 617	78 470		New York	95 760	N
	Ohio	131 171	N		North Carolina	801 943	N
	Pennsylvania	28 488	N				
	Texas	5 788	N				
	Wisconsin	11 016	12 363				

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NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)		NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)	
		1997	1992			1997	1992
3363401	MOTOR VEHICLE BRAKE PARTS AND ASSEMBLIES, NEW—Con.			3363991	FILTERS FOR INTERNAL COMBUSTION ENGINES AND MOTOR VEHICLES, NEW		
	Ohio	1 865 085	N		United States	2 463 396	2 155 545
	Pennsylvania	40 863	N		California	107 005	60 225
	Tennessee	604 949	N		Iowa	298 654	185 466
	Texas	40 887	N		Michigan	130 958	204 565
	Virginia	163 092	N		Ohio	180 419	N
3363403	MOTOR VEHICLE BRAKE PARTS AND ASSEMBLIES, REBUILT				Tennessee	236 646	258 159
	United States	464 353	N	3363993	EXHAUST SYSTEM PARTS, NEW		
	Kentucky	24 721	N		United States	5 035 692	3 187 580
	Massachusetts	15 146	N		California	255 538	18 944
3363501	MOTOR VEHICLE DRIVE TRAIN COMPONENTS, EXCEPT WHEELS AND BRAKES, NEW				Indiana	856 203	370 431
	United States	29 758 088	19 647 584	3363995	Michigan	796 449	633 814
	Alabama	417 235	N		Missouri	106 926	N
	California	123 485	48 248		Ohio	421 343	252 709
	Florida	9 000	N		Tennessee	308 602	N
	Georgia	126 759	84 143		3363997	MOTOR VEHICLE WHEELS, NEW	
	Illinois	347 365	266 021		United States	3 439 804	1 943 175
	Indiana	6 150 958	4 206 607		California	803 095	471 669
	Michigan	9 942 349	7 242 039		Illinois	56 450	N
	New York	1 801 048	990 287		Indiana	386 623	204 473
	North Carolina	1 706 948	828 565		Kentucky	469 899	286 348
	Ohio	5 166 033	3 510 298		Michigan	426 620	333 492
	Oklahoma	176 879	42 660		Ohio	343 396	172 790
	Pennsylvania	279 265	258 580		OTHER MOTOR VEHICLE PARTS AND ACCESSORIES, NEW AND REBUILT		
	South Carolina	118 069	34 366		United States	22 691 034	N
	Tennessee	450 794	425 918		Alabama	140 088	N
	Texas	64 676	N		Arkansas	137 564	N
	Wisconsin	165 534	N		California	335 048	N
3363503	MOTOR VEHICLE DRIVE TRAIN COMPONENTS, REBUILT				Colorado	277 889	N
	United States	529 550	N		Connecticut	86 136	N
	California	28 024	N		Florida	182 986	N
	Michigan	50 193	N		Illinois	709 858	N
	North Carolina	47 967	N		Indiana	1 637 672	N
	Texas	14 944	N		Iowa	120 316	N
3363601	AUTOMOBILE TRIMMINGS				Kentucky	659 198	N
	United States	4 063 088	2 547 747		Maryland	27 353	N
	California	56 822	40 188		Michigan	5 524 544	N
	Michigan	2 776 088	1 782 312		Minnesota	100 454	N
	Ohio	632 080	437 270		Mississippi	266 104	N
3363602	FABRICATED SEAT OR SAFETY BELTS, INCLUDING SHOULDER HARNESSSES (EXCEPT LEATHER)				Missouri	501 228	N
	United States	614 974	N	3364111	New Jersey	37 454	N
3363603	SEATS FOR PUBLIC CONVEYANCE AND AIRCRAFT				New York	1 085 877	N
	United States	6 958 943	N		North Carolina	287 765	N
	California	204 966	N		Ohio	2 426 962	N
	Illinois	226 697	N		Oklahoma	55 980	N
	Indiana	500 896	N	3364113	Oregon	220 078	N
	Kentucky	839 959	N		Pennsylvania	741 018	N
	Michigan	1 769 798	N		South Carolina	324 646	N
	Missouri	668 368	N		Tennessee	1 942 345	N
	Ohio	724 930	N		Texas	393 514	N
	Pennsylvania	4 091	N	3364115	Virginia	53 110	N
	Wisconsin	365 532	N		Washington	110 972	N
3363917	MOTOR VEHICLE MECHANICAL AIR-CONDITIONING SYSTEMS				Wisconsin	505 143	N
	United States	2 266 279	N		MILITARY AIRCRAFT (INCLUDING ALL AIRCRAFT FOR U.S. MILITARY AND ANY OTHER AIRCRAFT BUILT TO MILITARY SPECIFICATIONS)		
	Illinois	141 502	N		United States	11 899 471	16 664 564
	Texas	61 200	N	3364117	CIVILIAN AIRCRAFT		
336391B	AUTOMOTIVE AIR-CONDITIONING COMPRESSORS (OPEN-TYPE, WITH OR WITHOUT MOTOR)				United States	30 690 008	31 362 648
	United States	1 937 805	N		Kansas	3 015 425	1 248 232
					New York	17 415	N
					Texas	162 153	129 505
					MODIFICATION, CONVERSION, AND OVERHAUL OF PREVIOUSLY ACCEPTED AIRCRAFT		
					United States	5 084 547	3 860 224
					Alabama	195 181	N
					Georgia	305 406	N
					Texas	1 272 507	1 288 440
					OTHER AERONAUTICAL SERVICES ON COMPLETE AIRCRAFT, NEC		
					United States	3 413 659	4 442 987
					Arizona	132 875	N
					California	454 698	885 293
					Texas	684 666	N

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		1997	1992			1997	1992
3364121	MILITARY AIRCRAFT ENGINES (AND ANY OTHER AIRCRAFT BUILT TO MILITARY SPECIFICATIONS)			3364145	OTHER SERVICES ON COMPLETE GUIDED MISSILES		
	United States	1 714 270	3 260 415		United States	D	1 354 797
	Connecticut	44 884	N	3364147	COMPLETE SPACE VEHICLES (EXCLUDING PROPULSION SYSTEMS)		
3364123	CIVILIAN AIRCRAFT ENGINES				United States	D	5 797 129
	United States	5 372 076	6 667 521	3364149	RESEARCH AND DEVELOPMENT ON COMPLETE SPACE VEHICLES		
	California	57 632	N		United States	729 855	588 239
	Florida	72 906	N		California	619 159	454 747
	Michigan	44 576	N	336414A	ALL OTHER SERVICES ON COMPLETE SPACE VEHICLES		
	Oklahoma	13 034	N		United States	1 099 673	814 844
3364125	AERONAUTICAL SERVICES ON AIRCRAFT ENGINES				California	935 058	N
	United States	3 220 840	2 678 510	3364151	COMPLETE MISSILE OR SPACE VEHICLE ENGINES AND-OR PROPULSION UNITS		
	California	32 296	193 980		United States	2 652 635	2 649 484
	Connecticut	117 576	127 087		California	613 014	1 239 493
	Massachusetts	217 501	N	3364153	RESEARCH AND DEVELOPMENT ON COMPLETE MISSILE OR SPACE VEHICLE ENGINES AND-OR PROPULSION UNITS		
	Michigan	14 177	N		United States	1 273 822	620 431
	Oklahoma	92 259	N		California	89 549	349 492
3364127	AIRCRAFT ENGINE PARTS AND ACCESSORIES			3364155	OTHER SERVICES ON COMPLETE MISSILE OR SPACE VEHICLE ENGINES AND-OR PROPULSION UNITS		
	United States	9 355 897	7 965 191		United States	323 683	1 304 600
	Arizona	497 197	N		California	120 959	N
	California	654 473	647 498	3364157	MISSILE AND SPACE VEHICLE ENGINE AND-OR PROPULSION PARTS AND ACCESSORIES		
	Connecticut	1 479 535	593 069		United States	461 637	626 209
	Florida	823 570	1 036 828		California	50 955	179 606
	Georgia	301 296	99 290	3364191	MISSILE AND SPACE VEHICLE COMPONENTS, PARTS, AND SUBASSEMBLIES		
	Illinois	221 984	253 801		United States	2 524 432	3 449 463
	Indiana	485 346	285 125		California	1 331 238	1 158 727
	Massachusetts	439 414	413 201	3364193	RESEARCH AND DEVELOPMENT ON MISSILE AND SPACE VEHICLE PARTS AND COMPONENTS, NEC		
	Michigan	234 337	227 815		United States	329 406	705 128
	New York	287 550	351 784		California	52 790	166 388
	Ohio	1 055 129	1 706 817	3365101	LOCOMOTIVES, BOTH NEW AND REBUILT, AND PARTS		
	Oklahoma	111 753	16 785		United States	2 952 659	N
	Pennsylvania	185 737	205 053		Michigan	6 720	N
	Texas	147 936	229 995		New York	53 741	N
	Washington	32 746	N	3365103	NEW FREIGHT TRAIN AND PASSENGER TRAIN CARS, EXCLUDING PARTS		
3364131	AIRCRAFT PROPELLERS AND HELICOPTER ROTORS				United States	2 889 896	1 491 024
	United States	1 021 234	532 271		Illinois	433 278	N
	California	77 728	57 664		Pennsylvania	564 184	369 752
	Connecticut	197 624	210 277				
	Georgia	3 514	N				
3364133	RESEARCH AND DEVELOPMENT ON AIRCRAFT PARTS (EXCEPT ENGINES)						
	United States	1 120 600	1 311 085				
	Arizona	86 781	N				
	Illinois	14 174	N				
3364135	AIRCRAFT PARTS AND AUXILIARY EQUIPMENT, EXCLUDING HYDRAULIC AND PNEUMATIC SUBASSEMBLIES AND ENGINES						
	United States	19 881 716	18 246 728				
	Arizona	885 626	164 021				
	Arkansas	264 223	N				
	California	5 036 237	3 914 640				
	Colorado	120 496	72 052				
	Connecticut	895 602	N				
	Florida	292 248	193 130				
	Georgia	332 873	N				
	Illinois	694 134	206 501				
	Kansas	2 210 741	N				
	Maryland	86 806	N				
	Michigan	144 771	144 255				
	Minnesota	27 624	N				
	Missouri	454 012	N				
	New Jersey	118 687	156 171				
	New York	303 977	1 209 325				
	Ohio	845 716	779 311				
	Pennsylvania	222 899	215 887				
	Tennessee	361 534	N				
	Texas	1 035 171	1 686 420				
	Washington	3 911 988	N				
3364141	COMPLETE GUIDED MISSILES						
	United States	1 689 379	4 064 782				
3364143	RESEARCH AND DEVELOPMENT ON COMPLETE GUIDED MISSILES						
	United States	2 271 322	1 351 807				

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		1997	1992			1997	1992
3365105	STREET, SUBWAY, TROLLEY, AND RAPID TRANSIT CARS, ALL REBUILT RAILCARS, AND PARTS FOR ALL RAILCARS			3366121	OUTBOARD MOTORBOATS, INCLUDING COMMERCIAL AND MILITARY (EXCEPT SAILBOATS AND LIFEBOATS)—Con.		
	United States	1 741 830	N		Mississippi	44 707	N
	Alabama	29 096	N		Missouri	266 373	146 929
	Georgia	12 522	N		North Carolina	67 771	40 112
	Illinois	287 154	N		Oklahoma	13 847	N
	Indiana	37 429	N		Oregon	28 164	14 168
	Michigan	48 644	N		South Carolina	65 650	23 792
	Missouri	75 541	N		Tennessee	161 669	N
	New York	107 693	N		Texas	43 785	16 700
	Ohio	54 682	N		Washington	26 808	22 802
	Pennsylvania	461 302	N		Wisconsin	9 867	5 581
	South Carolina	133 351	N	3366123	INBOARD MOTORBOATS, INCLUDING COMMERCIAL AND MILITARY (EXCEPT SAILBOATS AND LIFEBOATS)		
	Wisconsin	38 253	N		United States	1 287 343	732 208
3366111	NONPROPELLED SHIPS AND BARGES, NEW CONSTRUCTION				California	64 172	27 812
	United States	837 420	449 281		Florida	476 378	228 741
	Louisiana	266 861	203 056		Louisiana	6 620	N
	Mississippi	88 294	59 092		Maine	26 882	15 583
	Oregon	5 011	N		Massachusetts	3 024	N
	Texas	192 077	N		New Jersey	100 465	41 959
3366113	MILITARY, SELF-PROPELLED SHIPS, INCLUDING COMBAT SHIPS, TROOP TRANSPORT VESSELS, FLEET AUXILIARIES, AND SERVICE CRAFT, NEW CONSTRUCTION				New York	3 655	N
	United States	4 780 490	6 034 106		North Carolina	10 256	N
	Louisiana	624 393	696 196		Tennessee	238 100	168 833
	Washington	15 404	N		Washington	74 366	53 435
3366115	SELF-PROPELLED SHIPS, NONMILITARY, NEW CONSTRUCTION			3366125	INBOARD-OUTDRIVE BOATS, INCLUDING COMMERCIAL AND MILITARY (EXCEPT SAILBOATS AND LIFEBOATS)		
	United States	995 366	648 328		United States	1 454 291	1 039 961
	Alabama	72 824	56 342		California	17 444	13 922
	Florida	91 760	19 486		Florida	169 632	152 197
	Louisiana	242 001	86 116		Indiana	104 928	113 413
	Maine	10 961	5 498		Kentucky	50 331	26 229
	Oregon	18 790	N		Maine	2 755	N
	Texas	5 402	N		Minnesota	153 806	N
	Washington	139 910	73 012		North Carolina	52 489	N
3366117	SHIP REPAIR, MILITARY			3366127	ALL OTHER BOATS, NEC (EXCLUDING MILITARY AND COMMERCIAL)		
	United States	2 136 185	1 968 702		United States	376 515	259 095
	Alabama	15 490	N		California	48 863	52 848
	California	363 198	437 054		Florida	97 455	63 700
	South Carolina	50 376	62 222		Louisiana	3 969	4 782
	Texas	38 887	19 869		Maine	33 698	24 603
	Virginia	1 404 110	893 539		Maryland	9 727	N
	Washington	39 452	84 605		Massachusetts	2 188	N
3366119	SHIP REPAIR, NONMILITARY				Minnesota	5 349	4 150
	United States	1 046 560	881 064	3369911	BICYCLES AND PARTS (EXCLUDING CHILDREN'S TWO-WHEEL SIDEWALK CYCLES WITH SOLID OR SEMIPNEUMATIC TIRES)		
	California	54 148	88 267		United States	1 225 579	N
	Florida	66 975	86 516		California	240 308	N
	Hawaii	7 353	8 779		Illinois	154 281	N
	Louisiana	207 654	134 844		Oregon	15 687	N
	Maryland	8 332	N		Washington	65 885	N
	Mississippi	13 234	N				
	New Jersey	6 303	6 775				
	New York	30 239	N				
	Oregon	130 064	83 368	3369913	MOTORCYCLES, INCLUDING THREE-WHEEL, MOTORBIKES, MOTOR SCOOTERS, MOPEDS, AND PARTS (INCLUDING SIDECARS)		
	Texas	69 803	69 191		United States	1 681 777	968 354
	Virginia	120 090	90 693		California	127 347	51 001
	Washington	108 021	92 685		Wisconsin	598 662	185 496
3366121	OUTBOARD MOTORBOATS, INCLUDING COMMERCIAL AND MILITARY (EXCEPT SAILBOATS AND LIFEBOATS)			3369991	SELF-PROPELLED GOLF CARTS AND INDUSTRIAL IN-PLANT PERSONNEL CARRIERS, AND PARTS		
	United States	1 675 652	1 163 871		United States	798 551	382 352
	Alabama	12 462	N		Georgia	696 738	329 898
	Arkansas	99 492	91 110		Wisconsin	13 629	N
	California	23 849	19 870	3369993	TRANSPORTATION EQUIPMENT, NEC, INCLUDING ALL-TERRAIN VEHICLES		
	Florida	251 217	138 633				
	Georgia	10 834	N				
	Indiana	195 609	147 806				
	Louisiana	26 006	19 069				
	Massachusetts	2 051	N				
	Michigan	52 712	29 518				
	Minnesota	97 070	56 800				

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		1997	1992			1997	1992
3369993	TRANSPORTATION EQUIPMENT, NEC, INCLUDING ALL-TERRAIN VEHICLES—Con.			3371104	WOOD KITCHEN CABINETS AND CABINETWORK, CUSTOM, EXCEPT SOLD DIRECTLY TO CUSTOMER AT RETAIL—Con.		
	United States	3 076 077	N		Ohio	89 384	51 328
	Alabama	33 588	N		Oklahoma	15 593	12 354
	California	62 271	N		Oregon	38 728	54 715
	Florida	10 371	N		Pennsylvania	224 719	172 339
	Illinois	20 852	N		South Carolina	6 318	7 919
	Indiana	133 732	N		South Dakota	20 052	N
	Kansas	7 312	N		Tennessee	31 017	20 514
	Massachusetts	12 825	N		Texas	95 332	60 775
	Michigan	197 683	N		Utah	30 062	24 792
	Missouri	63 997	N		Vermont	3 458	N
	New York	27 129	N		Virginia	21 010	22 191
					Washington	64 018	32 633
					Wisconsin	72 942	45 853
	North Carolina	4 820	N				
	Oklahoma	23 133	N				
	Oregon	58 337	N		WOOD VANITIES AND OTHER CABINETWORK		
	Pennsylvania	7 048	N		United States	884 669	529 988
	Texas	48 664	N		Alabama	15 864	8 802
	Washington	2 562	N		Arizona	8 573	5 244
	Wisconsin	50 142	N		Arkansas	3 928	5 197
3371101	WOOD KITCHEN CABINETS AND CABINETWORK, STOCK LINE			3371107	California	115 287	58 120
	United States	3 186 858	1 960 717		Colorado	9 729	6 905
	Alabama	112 658	N		Connecticut	5 337	4 489
	Arizona	90 302	55 986		Florida	12 766	16 383
	Arkansas	13 132	23 661		Georgia	10 930	4 820
	California	86 167	80 591		Illinois	45 145	30 026
	Colorado	20 141	17 330		Indiana	60 715	66 336
	Connecticut	23 831	9 818				
	Florida	43 958	37 776		Kansas	10 634	3 781
	Georgia	144 148	66 531		Kentucky	2 680	2 055
	Idaho	2 392	N		Louisiana	2 744	2 512
	Indiana	373 499	197 855		Massachusetts	2 423	11 537
					Michigan	15 849	15 987
	Kansas	80 797	49 852		Minnesota	31 841	23 066
	Maryland	4 292	3 853		Missouri	17 756	14 705
	Massachusetts	9 208	N		Nebraska	3 283	2 132
	Minnesota	147 580	161 360		Nevada	8 112	5 373
	Mississippi	12 700	14 590		New Jersey	4 501	12 480
	Missouri	20 759	2 146				
	New Hampshire	2 271	N		New York	9 140	6 410
	New Jersey	13 141	6 615		North Carolina	40 191	14 041
	New York	17 504	20 622		Ohio	94 221	37 944
	North Carolina	61 535	77 304		Oklahoma	2 762	N
					Oregon	10 915	10 120
	Oregon	53 794	55 320		Pennsylvania	59 326	35 722
	Pennsylvania	247 484	101 952		Tennessee	11 455	7 007
	Tennessee	50 939	49 223		Texas	100 798	17 457
	Texas	334 966	101 475		Utah	14 155	13 459
	Utah	45 509	28 966		Virginia	16 166	13 240
	Virginia	269 188	N		Washington	16 463	11 194
	Washington	64 632	58 547		West Virginia	3 076	N
	Wisconsin	21 148	22 076		Wisconsin	14 702	7 247
3371104	WOOD KITCHEN CABINETS AND CABINETWORK, CUSTOM, EXCEPT SOLD DIRECTLY TO CUSTOMER AT RETAIL			337110A	PLASTICS LAMINATED WOOD KITCHEN CABINET TOPS		
	United States	1 822 292	1 418 315		United States	641 074	N
	Alabama	26 726	23 423		Alabama	11 026	N
	Arizona	21 512	15 418		Arizona	19 045	N
	Arkansas	4 263	3 298		California	37 548	N
	California	162 439	180 459		Colorado	13 540	N
	Colorado	14 911	6 912		Connecticut	2 421	N
	Connecticut	27 466	25 764		Florida	17 797	N
	Florida	54 091	59 439		Georgia	42 334	N
	Georgia	47 104	28 499		Idaho	2 198	N
	Idaho	6 630	4 988		Illinois	26 507	N
	Illinois	57 543	31 752		Indiana	92 568	N
	Indiana	99 699	81 560		Iowa	18 671	N
	Iowa	131 255	64 375		Kansas	9 832	N
	Kansas	42 157	19 296		Kentucky	9 957	N
	Kentucky	24 540	17 003		Maryland	10 068	N
	Louisiana	6 950	5 261		Massachusetts	17 731	N
	Maryland	8 982	10 844		Michigan	13 804	N
	Massachusetts	22 519	21 028		Minnesota	9 124	N
	Michigan	17 021	15 360		Missouri	20 879	N
	Minnesota	131 291	103 383		Nevada	4 695	N
	Mississippi	9 650	2 132		New Hampshire	4 932	N
	Missouri	43 077	38 116		New Jersey	8 736	N
	Montana	2 791	N		New Mexico	2 205	N
	Nebraska	8 140	6 152		New York	21 496	N
	Nevada	3 241	7 735		North Carolina	4 537	N
	New Hampshire	3 164	5 091		Ohio	31 475	N
	New Jersey	35 347	26 030		Oregon	8 668	N
	New Mexico	4 152	6 424		Pennsylvania	15 835	N
	New York	39 952	43 514		South Dakota	7 066	N
	North Carolina	36 747	21 147		Tennessee	11 510	N
	North Dakota	5 098	3 066		Texas	35 264	N
					Utah	4 648	N
					Virginia	12 372	N
					Washington	12 883	N
					Wisconsin	40 482	N

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NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)		NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)	
		1997	1992			1997	1992
337110E	PLASTICS LAMINATED FIXTURE TOPS (INCLUDING DRAINBOARDS AND TOPS FOR SINKS, CABINETS, COUNTERS, AND FIXTURES), EXCEPT KITCHEN			3371211	UPHOLSTERED HOUSEHOLD FURNITURE, EXCEPT DUAL-PURPOSE SLEEP FURNITURE—Con.		
	United States	135 886	N		Virginia	156 361	N
	Arizona	8 243	N	3371214	Wisconsin	57 506	N
	California	28 454	N		DUAL-PURPOSE SLEEP FURNITURE, INCLUDING CONVERTIBLE SOFAS, JACKKNIFE SOFA BEDS AND CHAIR BEDS, STUDIO COUCHES, AND FUTONS SHIPPED WITH FRAMES		
	Colorado	4 163	N		United States	479 350	508 751
	Florida	5 705	N		California	55 683	77 366
	Illinois	7 142	N		Mississippi	89 831	91 421
	Indiana	8 642	N		New York	2 324	N
	Kansas	3 956	N		North Carolina	140 615	128 557
	Massachusetts	2 214	N		Pennsylvania	17 047	8 627
	Michigan	6 479	N		Tennessee	37 973	44 374
	Minnesota	4 658	N		Texas	14 933	9 387
	New Jersey	6 082	N		Wisconsin	10 610	N
	New York	5 082	N	3371221	WOOD LIVING ROOM, LIBRARY, FAMILY ROOM, AND DEN FURNITURE, NONUPHOLSTERED		
	Ohio	3 962	N		United States	2 287 549	N
	Pennsylvania	2 763	N		Alabama	34 025	N
	Texas	6 284	N		Arizona	48 643	N
	Wisconsin	8 500	N		California	299 354	N
337110H	WOOD KITCHEN CABINETS AND CABINETWORK (PERMANENT INSTALLATION), CUSTOM, SOLD DIRECTLY TO CUSTOMER AT RETAIL			3371224	WOOD DINING ROOM AND KITCHEN FURNITURE, EXCEPT KITCHEN CABINETS		
	United States	393 565	N		United States	1 537 316	1 603 463
	Alabama	11 626	N		Alabama	34 355	73 516
	Alaska	2 872	N		Arizona	2 252	N
	Arizona	18 341	N		Arkansas	9 568	11 316
	Arkansas	7 780	N		California	154 073	118 293
	California	33 395	N		Colorado	6 894	N
	Colorado	16 129	N		Florida	3 152	N
	Connecticut	7 300	N		Georgia	51 888	50 639
	Florida	31 555	N		Illinois	55 199	57 318
	Georgia	23 941	N		Indiana	35 274	72 347
	Idaho	2 068	N		Kansas	7 428	N
	Illinois	11 142	N		Kentucky	3 332	N
	Indiana	8 623	N		Maine	4 080	N
	Iowa	2 576	N		Massachusetts	55 943	42 254
	Kansas	3 354	N		Michigan	28 279	25 131
	Kentucky	11 136	N		Missouri	3 135	N
	Louisiana	3 495	N		New Jersey	9 112	N
	Maryland	2 841	N		New York	76 977	50 889
	Massachusetts	3 281	N		North Carolina	614 297	574 613
	Michigan	6 669	N		Ohio	26 113	14 359
	Minnesota	10 994	N		Pennsylvania	45 942	53 204
	Mississippi	4 986	N		Tennessee	18 050	29 122
	Missouri	13 003	N		Texas	2 342	11 258
	Nebraska	2 248	N		Vermont	24 922	N
	Nevada	5 168	N		Virginia	145 334	227 433
	New Jersey	4 789	N		Washington	4 546	N
	New Mexico	2 294	N				
	New York	20 189	N				
	North Carolina	11 856	N				
	Ohio	10 618	N				
	Oklahoma	3 831	N				
	Oregon	14 631	N				
	Pennsylvania	8 100	N				
	South Carolina	7 296	N				
	South Dakota	2 759	N				
	Tennessee	10 394	N				
	Texas	17 700	N				
	Utah	2 785	N				
	Virginia	7 277	N				
	Washington	11 041	N				
	Wisconsin	8 168	N				
3371211	UPHOLSTERED HOUSEHOLD FURNITURE, EXCEPT DUAL-PURPOSE SLEEP FURNITURE						
	United States	7 056 005	N				
	Alabama	22 031	N				
	Arizona	16 535	N				
	Arkansas	87 290	N				
	California	656 912	N				
	Florida	31 495	N				
	Georgia	50 226	N				
	Illinois	21 329	N				
	Indiana	179 953	N				
	Iowa	143 538	N				
	Kansas	3 997	N				
	Maryland	22 727	N				
	Massachusetts	13 988	N				
	Michigan	25 971	N				
	Mississippi	1 684 123	N				
	New Jersey	27 256	N				
	New York	46 715	N				
	North Carolina	2 346 973	N				
	Oregon	44 047	N				
	Pennsylvania	85 002	N				
	Tennessee	689 789	N				
	Texas	129 585	N				

Table 2. **Product Class Shipments for Selected States: 1997 and 1992—Con.**

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NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)		NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)	
		1997	1992			1997	1992
3371227	WOOD BEDROOM FURNITURE			3371271	SCHOOL FURNITURE, EXCEPT STONE AND CONCRETE, EXCLUDING LIBRARY FURNITURE		
	United States	3 367 382	2 489 221		United States	630 340	N
	Alabama	133 305	102 287		Illinois	35 796	N
	Arizona	114 583	54 596		Indiana	6 808	N
	Arkansas	42 256	23 729		Michigan	29 735	N
	California	284 788	217 184		Pennsylvania	28 165	N
	Connecticut	3 423	8 867		Texas	102 071	N
	Florida	81 890	82 270		Utah	3 489	N
	Illinois	4 523	7 371		Wisconsin	25 024	N
	Indiana	100 842	61 078				
	Kentucky	8 590	17 757	3371274	PUBLIC BUILDING FURNITURE, EXCEPT SCHOOL AND RESTAURANT FURNITURE		
	Maine	11 612	N		United States	1 138 881	N
	Massachusetts	14 797	11 893		Alabama	28 521	N
	Michigan	29 550	27 994		California	45 492	N
	Mississippi	73 930	60 140		Illinois	54 665	N
	Missouri	7 984	13 081		Indiana	131 983	N
	New Jersey	2 567	8 784		Iowa	12 834	N
	New York	50 657	47 805		Kentucky	21 984	N
	North Carolina	1 173 338	782 908		Michigan	221 991	N
	Ohio	6 339	15 598		Missouri	27 279	N
	Oklahoma	3 472	N		New York	26 521	N
	Oregon	17 969	10 496		North Carolina	44 643	N
	Pennsylvania	49 012	57 574		Pennsylvania	23 723	N
	South Carolina	128 082	95 218		Tennessee	10 239	N
	Tennessee	196 462	188 540		Texas	104 238	N
	Texas	9 737	10 913		Virginia	2 559	N
	Vermont	60 833	36 037		Washington	3 633	N
	Virginia	451 609	364 184		Wisconsin	60 417	N
	Washington	17 071	8 708				
	Wisconsin	149 288	N	3371277	FURNITURE AND FIXTURES, NEC		
337122A	INFANTS' AND CHILDREN'S WOOD FURNITURE				United States	1 027 878	904 272
	United States	287 666	316 182		Alabama	7 547	9 597
	California	4 427	5 159		Arkansas	48 424	36 205
	New York	2 051	3 705		California	140 326	98 292
	Pennsylvania	3 893	3 792		Colorado	26 537	28 704
	Virginia	29 756	N		Florida	66 695	41 328
	Wisconsin	60 693	88 146		Georgia	30 907	28 680
337122E	WOOD OUTDOOR FURNITURE, UNPAINTED WOOD FURNITURE, AND READY-TO-ASSEMBLE WOOD FURNITURE				Illinois	43 664	43 762
	United States	1 653 696	1 089 750		Indiana	19 168	7 716
	Alabama	8 039	4 696		Kansas	14 923	30 753
	California	45 840	34 133		Massachusetts	39 369	20 911
	Maine	9 349	4 830		Michigan	61 532	30 405
	Massachusetts	4 603	6 923		Minnesota	32 849	38 653
	North Carolina	5 193	7 231		Missouri	81 130	85 125
	Ohio	546 509	N		New Jersey	26 170	33 463
	Pennsylvania	16 650	15 583		New York	23 243	17 687
	Virginia	169 423	96 019		North Carolina	25 332	39 757
3371241	HOUSEHOLD DINING ROOM AND KITCHEN FURNITURE, METAL				Ohio	8 936	24 803
	United States	328 970	372 483	337127A	OTHER FURNITURE, NEC		
	California	78 097	90 225		United States	842 609	N
	Indiana	30 226	24 672		Alabama	9 527	N
	Michigan	18 618	N		Arkansas	13 203	N
	New York	7 466	8 447		California	140 650	N
	North Carolina	54 447	31 893		Florida	20 790	N
	Pennsylvania	26 047	N		Illinois	25 448	N
	Texas	37 093	N		Indiana	55 487	N
3371244	PORCH, LAWN, OUTDOOR, AND CASUAL FURNITURE, METAL				Michigan	126 558	N
	United States	700 656	553 402		Minnesota	22 624	N
	Arizona	7 937	N		Mississippi	14 544	N
	Arkansas	43 302	N		Missouri	16 073	N
	California	89 860	39 232		New Jersey	16 158	N
	Florida	54 682	32 237		New York	18 634	N
	Illinois	5 176	N		North Carolina	3 127	N
	New York	45 036	48 193		Ohio	8 348	N
	North Carolina	53 693	33 703		Oregon	8 914	N
	Tennessee	27 038	N		Pennsylvania	85 393	N
	Texas	43 240	N		Tennessee	25 095	N
3371247	OTHER HOUSEHOLD FURNITURE, METAL			3372111	WOOD OFFICE SEATING, INCLUDING UPHOLSTERED		
	United States	987 741	685 357		United States	623 419	N
	California	104 197	125 349		Arkansas	11 734	N
	Illinois	22 498	56 337		California	58 317	N
	Massachusetts	6 205	N		Florida	8 309	N
	New York	12 055	8 376		Indiana	102 102	N
	North Carolina	64 119	44 020		Michigan	51 909	N
	Ohio	266 031	85 719		New York	27 623	N
	Pennsylvania	125 685	102 835		North Carolina	147 768	N
	Texas	28 370	34 481		Pennsylvania	40 117	N

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NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)		NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)	
		1997	1992			1997	1992
3372111	WOOD OFFICE SEATING, INCLUDING UPHOLSTERED—Con.			3372147	OFFICE STORAGE UNITS, FILES, AND TABLES, NONWOOD—Con.		
	Texas	46 628	N		Wisconsin	111 052	67 962
3372114	WOOD OFFICE DESKS AND EXTENSIONS			337214A	OFFICE PANEL AND MODULAR SYSTEMS, AND ALL OTHER OFFICE FURNITURE, NONWOOD, NEC		
	United States	594 428	N		United States	3 453 780	2 326 138
	California	34 713	N		California	201 687	164 471
	Florida	4 100	N		Illinois	13 938	N
	Illinois	36 398	N		Indiana	33 955	N
	Indiana	200 970	N		Michigan	2 286 328	1 450 789
	Michigan	10 922	N		Minnesota	39 389	N
	New Jersey	3 564	N		New York	29 779	20 619
	New York	18 133	N		Tennessee	47 283	N
	North Carolina	108 853	N		Wisconsin	81 833	N
	Pennsylvania	7 564	N				
	Texas	6 749	N				
	Washington	16 509	N				
3372117	WOOD OFFICE STORAGE UNITS, FILES, AND TABLES			3372151	WOOD PARTITIONS, SHELVING, AND LOCKERS, EXCEPT CUSTOM		
	United States	622 271	N		United States	180 383	N
	Arizona	5 450	N		California	31 833	N
	California	58 225	N		Florida	11 946	N
	Florida	32 685	N		Illinois	12 692	N
	Georgia	6 516	N		Michigan	2 012	N
	Illinois	14 427	N		New York	6 060	N
	Indiana	122 689	N		North Carolina	4 772	N
	Michigan	62 499	N				
	Minnesota	11 097	N				
	Missouri	4 852	N				
	New Jersey	3 641	N	3372154	WOOD FIXTURES FOR STORES, BANKS, AND OFFICES, AND OTHER MISCELLANEOUS FIXTURES, EXCEPT CUSTOM		
	New York	27 622	N		United States	1 502 590	N
	North Carolina	85 316	N		Alabama	24 456	N
	Pennsylvania	9 812	N		Arizona	12 373	N
	Washington	22 340	N		Arkansas	22 343	N
	Wisconsin	31 828	N		California	204 639	N
337211A	WOOD OFFICE PANEL, MODULAR AND DESKING SYSTEMS FURNITURE, AND ALL OTHER WOOD OFFICE FURNITURE, NEC				Colorado	9 651	N
	United States	707 052	N		Connecticut	24 380	N
	California	68 314	N		Florida	62 242	N
	Georgia	61 712	N		Georgia	32 250	N
	Illinois	2 930	N		Idaho	2 056	N
	Kentucky	9 957	N		Illinois	62 494	N
	Michigan	158 298	N		Indiana	25 028	N
	Minnesota	22 392	N		Iowa	8 433	N
	New York	36 388	N		Kansas	11 763	N
	North Carolina	45 211	N		Kentucky	13 749	N
	Pennsylvania	18 133	N		Maine	14 353	N
	Washington	18 736	N		Maryland	20 416	N
	Wisconsin	15 349	N		Massachusetts	26 039	N
3372141	OFFICE SEATING, INCLUDING UPHOLSTERED, NONWOOD				Michigan	37 684	N
	United States	1 787 201	1 426 470		Minnesota	65 825	N
	California	199 394	150 475		Missouri	29 673	N
	Florida	8 030	22 009				
	Illinois	6 935	N		New Jersey	73 414	N
	Michigan	721 498	535 425		New York	108 294	N
	Mississippi	115 878	76 705		North Carolina	63 758	N
	North Carolina	97 102	151 354		Ohio	99 409	N
	Tennessee	86 335	73 887		Oklahoma	13 835	N
	Texas	66 199	77 093		Oregon	46 881	N
3372144	OFFICE DESKS AND EXTENSIONS, NONWOOD				Pennsylvania	75 356	N
	United States	511 162	373 602		Tennessee	9 807	N
	California	18 163	32 148		Texas	115 903	N
	Indiana	6 129	4 996		Utah	8 743	N
	Michigan	84 237	61 697	3372157	PREFABRICATED PARTITIONS, ASSEMBLED OR KNOCKED-DOWN, NONWOOD		
	New York	14 338	12 939		United States	267 096	219 850
	Pennsylvania	23 792	15 038		California	17 149	15 388
	Wisconsin	5 500	6 119		New York	68 868	57 780
3372147	OFFICE STORAGE UNITS, FILES, AND TABLES, NONWOOD				Pennsylvania	13 089	12 247
	United States	2 169 320	1 511 554		Texas	8 013	N
	Alabama	109 821	N				
	California	190 734	147 245	337215A	SHELVING AND LOCKERS, NONWOOD		
	Illinois	111 041	75 546		United States	1 222 973	739 898
	Indiana	29 717	31 493		Alabama	136 830	N
	Maryland	2 264	N		Illinois	306 115	178 528
	Michigan	707 213	420 310		New Jersey	8 633	46 197
	Minnesota	33 214	13 456		New York	26 642	17 035
	New York	21 081	48 249		Ohio	61 645	58 662
	North Carolina	7 443	12 167		Pennsylvania	77 940	62 970
	Ohio	29 622	N				
	Pennsylvania	87 744	86 169				
	Tennessee	78 039	120 669				

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		1997	1992			1997	1992
337215E	STORAGE RACKS AND ACCESSORIES, NONWOOD			3379101	INNERSPRING MATTRESSES, EXCEPT CRIB-SIZE, INC WITH POLYURETHANE OR RUBBER TOPPER PADS AND THOSE SOLD AS PART OF HOLLYWOOD BEDS, EXCEPT INSERTS—Con.		
	United States	1 192 720	647 849		New York	42 866	21 346
	California	137 211	68 277		North Carolina	89 535	47 059
	Georgia	39 823	18 246		Ohio	105 924	59 329
	Illinois	126 503	91 969		Oklahoma	20 293	8 300
	Michigan	226 726	92 808		Oregon	23 574	19 062
	New Jersey	55 221	N		Pennsylvania	76 476	56 172
	New York	4 426	13 314		Tennessee	57 561	41 239
	North Carolina	49 558	9 158		Texas	151 205	67 373
	Ohio	183 681	41 859		Utah	17 059	10 773
	Pennsylvania	59 288	41 234		Virginia	68 393	40 723
	Tennessee	77 759	N		Washington	57 056	25 565
	Texas	38 509	27 839		West Virginia	17 923	N
	Washington	2 754	N		Wisconsin	100 113	47 847
	Wisconsin	7 245	4 687				
337215H	FIXTURES FOR STORES, BANKS, AND OFFICES, AND MISCELLANEOUS FIXTURES, NONWOOD			3379104	OTHER MATTRESSES, INCLUDING CRIB MATTRESSES AND MATTRESS INSERTS		
	United States	1 806 562	N		United States	347 067	209 537
	Arizona	6 660	N		California	52 515	38 511
	California	254 476	N		Florida	23 991	22 190
	Colorado	23 416	N		Georgia	5 352	3 684
	Florida	33 833	N		Indiana	8 962	2 218
	Georgia	75 476	N		Massachusetts	21 469	5 687
	Illinois	213 837	N		New York	2 188	10 617
	Indiana	101 874	N		North Carolina	8 122	14 864
	Iowa	5 043	N		Tennessee	2 763	6 114
	Kansas	32 366	N		Texas	13 906	N
	Kentucky	33 059	N				
	Massachusetts	5 753	N	3379107	FOUNDATIONS, EXCLUDING INNERSPRING UNITS AND THOSE INCORPORATED INTO HYBRID-TYPE FLotation AND ADJUSTABLE ENSEMBLES		
	Michigan	70 238	N		United States	1 124 080	684 080
	Minnesota	145 945	N		Alabama	17 681	6 782
	Mississippi	6 189	N		Arizona	23 208	12 417
	Missouri	83 062	N		Arkansas	2 674	2 808
	New Jersey	102 101	N		California	107 640	78 777
	New York	105 391	N		Colorado	28 299	11 556
	North Carolina	63 484	N		Florida	77 366	47 965
	Ohio	80 021	N		Georgia	56 702	30 226
	Oregon	4 152	N		Illinois	40 438	21 857
	Pennsylvania	55 764	N		Indiana	14 151	12 128
	Rhode Island	34 352	N		Iowa	20 458	5 715
	Texas	49 823	N		Massachusetts	65 164	34 452
	Utah	17 751	N		Michigan	9 994	14 294
	Washington	19 575	N		Minnesota	34 005	10 824
	Wisconsin	86 216	N		Mississippi	14 134	9 997
337215K	WOOD FURNITURE FRAMES FOR HOUSEHOLD FURNITURE, INCLUDING FRAMES FOR UPHOLSTERED FURNITURE				Missouri	16 109	14 117
	United States	361 850	273 056		New Jersey	46 547	32 392
	California	37 994	20 472		North Carolina	65 396	23 909
	Florida	2 189	N		Ohio	70 836	42 967
	Massachusetts	2 333	N		Oklahoma	10 451	N
	Mississippi	107 917	69 333		Pennsylvania	46 729	31 864
	Missouri	6 181	N		Tennessee	38 869	32 523
	North Carolina	137 371	93 434		Texas	74 343	55 263
	Pennsylvania	3 311	N		Utah	9 289	3 550
	Tennessee	10 772	10 740		Virginia	25 980	12 840
					Washington	29 935	11 923
					West Virginia	12 102	N
					Wisconsin	58 229	28 108
				337910A	SLEEP SYSTEM ENSEMBLES, EXCLUDING CONVENTIONAL WATERBEDS		
					United States	73 357	131 570
					Florida	2 947	N
3379101	INNERSPRING MATTRESSES, EXCEPT CRIB-SIZE, INC WITH POLYURETHANE OR RUBBER TOPPER PADS AND THOSE SOLD AS PART OF HOLLYWOOD BEDS, EXCEPT INSERTS						
	United States	2 133 590	1 200 021		WINDOW SHADES AND ACCESSORIES		
	Alabama	54 537	12 047		United States	391 848	296 112
	Arizona	31 690	11 431		California	89 394	104 687
	Arkansas	6 084	6 733		Florida	19 837	18 717
	California	276 679	184 251		Indiana	32 183	34 229
	Colorado	41 631	31 096		New Jersey	19 608	12 112
	Florida	167 078	74 287		New York	3 632	N
	Georgia	85 809	47 369		Pennsylvania	16 819	4 333
	Hawaii	10 345	N		Texas	23 546	5 830
	Idaho	4 478	N				
	Illinois	59 243	32 535	3379204	VENETIAN BLINDS		
	Indiana	36 600	19 008		United States	1 128 102	891 761
	Iowa	30 055	9 127		Alabama	3 167	N
	Kansas	38 352	11 844		California	272 199	211 691
	Maryland	55 242	27 488		Florida	96 320	35 422
	Massachusetts	58 855	38 494		Illinois	20 919	53 840
	Michigan	55 405	20 184		Indiana	34 705	26 950
	Minnesota	37 404	7 397		Maryland	75 604	12 389
	Mississippi	41 338	36 357				
	Missouri	26 188	21 325				
	New Jersey	123 182	93 004				

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		1997	1992			1997	1992
3379204	VENETIAN BLINDS—Con.			3391131	SURGICAL, ORTHOPEDIC, PROSTHETIC, AND THERAPEUTIC APPLIANCES AND SUPPLIES—Con.		
	Michigan	6 864	27 013		Ohio	659 640	N
	New Jersey	48 708	40 585		Oregon	9 339	N
	New York	12 126	9 184		Pennsylvania	317 808	N
	North Carolina	7 061	N		Tennessee	610 526	N
	Ohio	2 866	3 242		Texas	1 402 948	N
	Tennessee	19 631	12 485		Utah	75 563	N
3379207	OTHER SHADES AND BLINDS, NEC, AND CURTAIN AND DRAPERY RODS, POLES, AND FIXTURES	193 247	146 791	3391135	PERSONAL INDUSTRIAL SAFETY DEVICES	207 472	N
	United States	526 525	395 439		Washington	52 955	N
	California	34 423	21 080		Wisconsin	95 290	N
	Florida	6 987	8 571				
	Indiana	10 854	5 552		United States	1 641 569	1 345 172
	New York	14 675	2 902		Alabama	89 435	33 888
	Pennsylvania	36 545	16 503		California	180 583	145 711
3391121	SURGICAL AND MEDICAL INSTRUMENTS AND APPARATUS			3391137	HOSPITAL BEDS		
	United States	15 490 627	N		United States	493 586	372 390
	Arizona	65 448	N		California	446 357	N
	California	2 976 709	N		Colorado	44 062	N
	Colorado	338 408	N		Connecticut	59 581	N
	Connecticut	1 276 951	N		Florida	10 495	N
	Florida	1 312 738	N	3391141	DENTAL PROFESSIONAL EQUIPMENT AND SUPPLIES		
3391123	HOSPITAL FURNITURE				United States	1 583 987	N
	United States	621 034	415 799		California	446 357	N
	Indiana	11 916	N		Colorado	44 062	N
	Michigan	16 885	N		Connecticut	59 581	N
	New Jersey	19 843	13 500		Florida	10 495	N
	Ohio	82 358	110 828		Illinois	151 211	N
	Pennsylvania	19 955	16 832		Missouri	33 128	N
3391131	SURGICAL, ORTHOPEDIC, PROSTHETIC, AND THERAPEUTIC APPLIANCES AND SUPPLIES			3391143	DENTAL LABORATORY EQUIPMENT AND SUPPLIES		
	United States	10 453 117	N		United States	502 813	415 386
	California	1 386 167	N		California	129 139	85 832
	Colorado	55 696	N		Illinois	24 341	N
	Connecticut	249 538	N		Michigan	5 823	N
	Florida	191 098	N		Minnesota	14 866	N
	Georgia	279 667	N	3391151	OPHTHALMIC FRONTS AND TEMPLES		
3391151	GLASS OPHTHALMIC FOCUS LENSES				United States	92 719	174 503
	United States	98 397	158 055		Massachusetts	2 512	N
	California	10 303	N		Ohio	5 190	N
	Illinois	257 356	N				
	Indiana	929 380	N	3391153	PLASTICS OPHTHALMIC FOCUS LENSES		
	Iowa	5 018	N		United States	609 618	424 871
	Kansas	141 146	N		California	361 870	184 001
3391157	CONTACT LENSES				Minnesota	66 259	28 327
	United States	1 335 186	923 720		Ohio	8 597	N
	California	215 379	N		Pennsylvania	11 587	N
	Louisiana	4 409	N				
	Maryland	58 840	N		United States	1 335 186	923 720
	Massachusetts	253 450	N		California	215 379	N
	Michigan	193 756	N				

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NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)		NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)	
		1997	1992			1997	1992
3399115B	OPHTHALMIC GOODS (EXCEPT FRONTS, TEMPLES, AND LENSES) AND GRINDING OF LENSES TO PRESCRIPTION (EXCEPT 1-HOUR LABS)			3399131	DIAMONDS (INC INDUSTRIAL) AND OTHER PRECIOUS, SEMIPRECIOUS, AND SYNTHETIC STONES CUT OR POLISHED IN THE PLANT FOR JEWELRY PURPOSES		
	United States	786 957	403 077		United States	167 523	152 541
	California	284 646	18 024		New York	128 896	133 921
	Florida	35 061	49 001				
	Massachusetts	78 038	72 645	3399133	JEWELERS' FINDINGS AND MATERIALS OF PRECIOUS METAL		
	Minnesota	24 978	N		United States	407 591	548 675
	Nevada	3 751	N		New Jersey	23 126	39 036
	New York	72 231	81 151		New York	83 148	284 480
	Ohio	15 585	9 008		Rhode Island	144 919	81 277
	Pennsylvania	21 892	25 943				
	Wisconsin	3 037	N				
3399111	JEWELRY, MADE OF PLATINUM METALS AND KARAT GOLD			3399135	JEWELERS' FINDINGS AND SHOP-STOCK PRODUCTS MADE OF BASE METAL NOT CLAD WITH PRECIOUS METAL		
	United States	3 163 116	2 639 582		United States	68 358	89 395
	California	377 797	309 889		Massachusetts	2 223	6 773
	Colorado	16 623	2 518		New York	14 905	N
	Florida	43 526	129 027		Rhode Island	49 116	70 920
	Georgia	4 212	N				
	Hawaii	17 973	17 583				
	Illinois	67 463	61 594	3399201	FISHING TACKLE AND EQUIPMENT		
	Massachusetts	185 707	198 107		United States	683 057	493 073
	Michigan	27 250	5 061		Alabama	18 332	9 934
	Minnesota	39 413	N		Arizona	5 123	N
	Missouri	3 164	3 788		California	11 949	12 587
					Florida	24 513	16 678
	New Jersey	214 338	164 925		Michigan	20 096	13 220
	New Mexico	24 810	18 536		Minnesota	28 280	32 161
	New York	1 237 099	1 078 311		Mississippi	2 768	2 146
	Ohio	29 879	23 187		Missouri	8 705	8 570
	Oregon	3 528	3 786		Nebraska	6 384	3 346
	Pennsylvania	86 573	40 564		Oregon	14 350	N
3399113	JEWELRY, MADE OF SILVER (INCLUDING PLATINUM METALS AND KARAT GOLD CLAD TO SILVER)				Texas	20 675	11 273
	United States	398 559	236 346	3399203	GOLF EQUIPMENT		
	California	45 942	19 471		United States	2 921 096	1 781 982
	Colorado	2 020	2 083		California	1 377 759	397 894
	Massachusetts	21 241	14 655		Florida	29 934	12 639
	New Jersey	8 114	N		Georgia	80 465	N
	New Mexico	65 517	49 299		Illinois	147 257	127 607
	New York	90 563	41 770		Ohio	10 558	N
	Pennsylvania	8 247	N		Oregon	8 112	N
	Rhode Island	54 145	42 203		Texas	47 642	N
	South Dakota	13 726	13 190	3399205	PLAYGROUND EQUIPMENT		
	Texas	19 361	19 942		United States	756 549	384 556
	Utah	7 175	N		Florida	7 311	8 838
					Pennsylvania	134 913	58 272
3399115	OTHER JEWELRY, EXCEPT COSTUME				Texas	22 092	12 179
	United States	452 381	N				
	California	35 907	N	3399207	GYMNASIUM AND EXERCISE EQUIPMENT		
	Massachusetts	46 431	N		United States	1 424 482	1 375 906
	New Jersey	3 136	N		California	185 351	114 242
	New Mexico	2 289	N		Colorado	3 929	N
	New York	199 992	N		Georgia	2 806	N
	Pennsylvania	5 192	N		Indiana	10 319	12 053
	Rhode Island	50 220	N		Iowa	11 244	N
	Texas	19 355	N		Michigan	2 976	N
					Minnesota	192 945	N
					Missouri	52 917	39 854
					Pennsylvania	23 142	19 386
					Texas	82 845	84 857
3399121	HOLLOWWARE (INCLUDING TOILETWARE, ECCLESIASTICAL WARE, NOVELTIES, TROPHIES, BABY GOODS, AND OTHER PLATEDWARE)				Washington	124 546	65 589
	United States	226 542	N		Wisconsin	5 856	11 806
	California	4 972	N	3399209	OTHER SPORTING AND ATHLETIC GOODS		
	Connecticut	4 658	N		United States	2 965 735	2 365 277
	Illinois	16 280	N		Alabama	13 517	17 435
	Massachusetts	38 555	N		Arizona	97 290	N
	New Jersey	24 300	N		California	419 211	480 386
	New York	33 584	N		Colorado	52 674	28 064
	Ohio	4 498	N		Connecticut	13 945	8 872
	Rhode Island	35 315	N		Florida	65 596	51 929
					Georgia	14 799	14 630
					Illinois	245 795	174 220
					Indiana	95 798	75 638
					Iowa	35 827	11 422
3399123	FLATWARE (INCLUDING ALL KNIVES, FORKS, SPOONS, AND CARVING SETS MADE WHOLLY OF METAL)						
	United States	352 740	N				
	Massachusetts	81 054	N				

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		1997	1992			1997	1992
3399209	OTHER SPORTING AND ATHLETIC GOODS—Con.			3399415	OTHER PENS, MECHANICAL PENCILS, AND PARTS		
	Kentucky	44 472	49 684		United States	254 336	260 848
	Louisiana	12 373	6 541		California	42 143	27 210
	Maryland	19 787	N		Illinois	6 510	N
	Massachusetts	2 606	N		New Jersey	27 661	33 955
	Michigan	124 231	177 218		New York	3 620	5 547
	Minnesota	99 218	35 150		Rhode Island	41 019	59 626
	Mississippi	15 201	9 556	3399421	BLACKBOARDS		
	Missouri	58 760	58 184		United States	497 609	N
	Montana	12 375	N		Tennessee	193 355	N
	Nebraska	2 403	6 804	3399423	ARTISTS' EQUIPMENT		
	New Hampshire	3 300	N		United States	284 932	N
	New Jersey	59 909	N		California	5 600	N
	New York	110 708	70 429		Illinois	34 793	N
	North Carolina	23 621	23 237		Massachusetts	9 910	N
	Ohio	55 555	87 529		Michigan	10 562	N
	Oklahoma	8 384	11 840		New Jersey	51 594	N
	Oregon	89 737	35 522		New York	10 673	N
	Pennsylvania	77 312	60 851		Pennsylvania	40 832	N
	Tennessee	42 948	55 310	3399425	LEAD PENCIL AND ART GOODS MANUFACTURING, NEC		
	Texas	178 396	77 724		United States	228 418	N
	Utah	223 565	63 810	3399441	INKED RIBBONS		
	Vermont	36 677	10 494		United States	692 017	690 836
	Virginia	102 971	N		California	65 461	114 554
	Washington	251 774	125 305		New York	120 588	76 255
	Wisconsin	161 939	93 971		North Carolina	3 054	N
3399321	BABY CARRIAGES AND CHILDREN'S VEHICLES, EXCEPT BICYCLES WITH PNEUMATIC TIRES			3399443	CARBON PAPER, STENCIL PAPER, ETC		
	United States	561 678	N		United States	85 805	148 346
	Ohio	113 892	N		Georgia	6 443	N
3399323	TOYS, EXCLUDING GAMES, HOBBIES, AND ELECTRONIC TOYS				New York	10 971	39 176
	United States	1 491 217	1 736 403		Ohio	5 197	N
	California	30 130	46 707		Texas	5 884	12 278
	Illinois	129 087	101 479	3399501	ELECTRIC SIGNS		
	Massachusetts	76 663	23 238		United States	2 061 111	1 282 884
	Missouri	16 833	45 574		Alabama	61 035	33 098
	New Jersey	83 069	46 942		Alaska	2 155	N
	New York	55 652	150 990		Arizona	63 035	19 813
	North Carolina	9 838	N		Arkansas	18 672	10 976
	Ohio	188 212	266 546		California	226 329	138 373
	Oklahoma	6 290	N		Colorado	23 737	12 487
	Oregon	7 551	N		Connecticut	49 568	5 489
	Pennsylvania	121 514	75 606		Florida	89 003	56 113
	Vermont	2 262	N		Georgia	38 504	9 012
3399325	MODELS (OPERATING OR STATIC), CRAFT, STRUCTURAL, AND SCIENTIFIC EQUIPMENT KITS, SETS, AND INDIVIDUAL UNITS				Idaho	9 215	7 348
	United States	659 330	452 301		Illinois	108 268	77 860
	California	61 695	47 978		Indiana	24 780	16 212
	Florida	3 430	N		Iowa	18 723	17 325
	Illinois	84 280	69 797		Kansas	18 045	9 143
	Maryland	3 866	N		Kentucky	10 878	12 511
	Massachusetts	19 954	18 555		Louisiana	18 303	3 583
	New Jersey	44 072	23 971		Maine	3 717	N
	New York	47 771	29 934		Maryland	21 060	16 349
	North Carolina	2 182	N		Massachusetts	17 250	13 203
	Ohio	27 036	25 166		Michigan	108 271	39 865
	Pennsylvania	67 337	58 046		Minnesota	47 808	48 186
	Virginia	3 147	N		Mississippi	19 441	N
3399327	NONELECTRONIC GAMES				Missouri	32 384	14 845
	United States	638 310	632 311		Nebraska	19 951	6 351
	California	13 115	24 830		Nevada	70 076	40 240
	Illinois	23 112	N		New Jersey	69 123	9 629
	New York	2 476	N		New Mexico	4 869	4 291
3399329	ELECTRONIC GAMES AND TOYS (EXCLUDING DISKS, TAPES, AND CARTRIDGES)				New York	73 205	59 402
	United States	188 111	63 976		North Carolina	31 294	25 464
3399411	PENS				Ohio	114 334	67 849
	United States	772 423	592 805		Oklahoma	10 839	6 777
	New York	21 244	19 899		Oregon	20 044	9 866
	Pennsylvania	5 457	6 069		Pennsylvania	68 087	60 911
	Tennessee	164 220	38 020		South Carolina	26 026	11 842
3399413	MARKERS				South Dakota	68 278	N
	United States	488 656	366 313		Tennessee	70 951	68 870
	New York	13 746	N		Texas	121 574	88 657
					Utah	17 135	21 849
					Virginia	29 231	20 439
					Washington	34 220	39 298
					Wisconsin	146 448	105 175

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		1997	1992			1997	1992		
3399503	NONELECTRIC SIGNS, INCLUDING COUNTER AND FLOOR DISPLAYS, POINT-OF-PURCHASE, AND OTHER SIGNS AND DISPLAYS			3399913	NONMETALLIC GASKETS AND GASKETING—Con.				
	United States	2 438 678	1 793 306		New Jersey	11 666	8 505		
	Alabama	35 798	22 530		New York	179 217	108 139		
	Arizona	28 128	10 722		North Carolina	18 482	N		
	Arkansas	27 261	N		Ohio	40 902	41 307		
	California	160 172	137 215		Oklahoma	3 717	N		
	Colorado	16 323	10 255		Oregon	10 119	N		
	Connecticut	24 447	6 886		Pennsylvania	35 071	17 289		
	Florida	61 274	56 834		Tennessee	91 589	21 319		
	Georgia	48 902	55 487		Texas	50 511	11 205		
	Idaho	3 267	N		Virginia	34 186	54 476		
	Illinois	265 287	273 071		Wisconsin	77 345	89 137		
	Indiana	28 115	23 282		3399915	MOLDED PACKINGS AND SEALS			
	Iowa	5 006	19 695			United States	1 066 901	687 664	
	Kansas	27 173	3 565			California	161 042	110 072	
	Kentucky	71 382	16 258			Connecticut	24 259	N	
	Louisiana	5 201	2 186			Illinois	79 546	45 436	
	Maryland	49 562	32 638			Indiana	20 610	38 284	
	Massachusetts	35 487	14 713			Massachusetts	66 502	53 071	
	Michigan	134 410	109 260			Michigan	9 975	14 740	
	Minnesota	97 748	18 857			Minnesota	35 196	23 920	
	Mississippi	6 983	N			New Jersey	28 029	N	
	Missouri	60 979	60 455			New York	28 827	N	
	Nebraska	2 171	N			Ohio	53 102	38 298	
	Nevada	15 406	2 860			Texas	74 623	34 100	
	New Hampshire	4 443	2 059		3399917	METALLIC GASKETS AND MACHINED SEALS			
	New Jersey	198 549	118 505			United States	873 404	517 750	
	New York	231 237	178 259			California	27 323	9 198	
	North Carolina	29 779	29 377			Connecticut	26 486	N	
	North Dakota	4 554	N			New Jersey	14 928	4 317	
	Ohio	201 438	202 316			Ohio	63 845	18 401	
	Oklahoma	3 557	N			Pennsylvania	3 812	5 507	
	Oregon	22 315	13 271			Texas	73 605	80 014	
	Pennsylvania	138 637	83 825			Wisconsin	45 382	N	
	Rhode Island	17 331	9 973			3399918	AXIAL MECHANICAL FACE SEALS		
	South Carolina	17 352	8 039				United States	257 291	214 915
	Tennessee	27 383	13 570				California	48 396	N
	Texas	62 210	51 558				Illinois	46 223	89 942
	Utah	15 608	N		Texas		31 568	15 405	
	Vermont	8 054	N		3399919	ROTARY OIL SEALS			
	Virginia	25 472	19 330			United States	684 255	493 532	
	Washington	16 964	17 731			California	6 732	5 934	
	Wisconsin	155 953	96 963			3399921	PIANOS		
	3399505	ADVERTISING SPECIALTIES					United States	189 926	140 473
		United States	1 337 104			782 394	3399923	ORGANS	
		California	109 728			58 813	United States	89 037	86 992
		Connecticut	29 498			N	Illinois	23 691	N
		Florida	31 736			31 641	Massachusetts	3 452	3 550
		Georgia	21 474			N	Ohio	7 277	8 633
		Idaho	3 485		N	3399925	PIANO AND ORGAN PARTS		
		Illinois	171 561		76 383		United States	59 300	29 316
		Indiana	7 013		3 966		3399927	OTHER MUSICAL INSTRUMENTS AND PARTS	
		Kansas	17 998		N		United States	834 262	575 980
Massachusetts		54 388	16 832	California	191 593		132 298		
Minnesota		36 987	36 681	Florida	4 073		N		
Missouri		70 349	70 371	Illinois	43 721		23 079		
New Jersey		145 513	N	Indiana	141 320		83 725		
New York		92 030	106 013	Massachusetts	38 806		22 649		
North Carolina		3 879	N	New Jersey	2 292		N		
Ohio		53 389	18 538	New York	64 912		36 357		
Oregon		50 548	N	North Carolina	7 298		N		
Pennsylvania		99 904	50 175	Ohio	49 232		N		
Rhode Island		39 482	31 612	Pennsylvania	73 454		57 531		
Tennessee		48 621	27 984	Washington	8 460		6 879		
Texas		63 080	5 506	3399931	BUTTONS AND PARTS (EXCEPT PRECIOUS OR SEMIPRECIOUS METALS AND PRECIOUS OR SEMIPRECIOUS STONES)				
Utah		2 848	N		United States	282 403	N		
Virginia		8 286	N		California	10 620	N		
Washington		3 093	N		Connecticut	32 678	N		
Wisconsin		28 602	50 887		Iowa	10 906	N		
3399911	COMPRESSION PACKINGS				New Jersey	7 845	N		
	United States	208 499	102 899		New York	63 715	N		
	Florida	6 240	N		Rhode Island	6 410	N		
	Illinois	6 351	16 202		3399913	NONMETALLIC GASKETS AND GASKETING			
	Michigan	3 359	N		United States	1 279 526	888 470		
	Texas	8 352	6 627		Alabama	19 008	N		
	3399913	3399913	3399913		California	77 435	39 986		
					Colorado	7 852	N		
					Connecticut	5 944	3 567		
					Illinois	270 174	201 247		
					Indiana	23 646	29 399		
					Massachusetts	24 868	20 905		
					Michigan	15 897	43 946		
					Minnesota	59 755	52 765		
					Missouri	18 915	14 033		

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		1997	1992			1997	1992
3399933	ZIPPERS AND SLIDE FASTENERS			3399993	COIN-OPERATED AMUSEMENT MACHINES		
	United States	249 546	234 685		United States	866 254	578 217
	California	13 836	N		Arizona	13 636	N
	Illinois	6 998	N		California	23 215	65 200
	New York	16 742	19 363		Illinois	246 567	192 175
3399935	NEEDLES, PINS, FASTENERS (EXCEPT SLIDE), AND SIMILAR NOTIONS			3399995	CANDLES (INCLUDING TAPERS)		
	United States	239 628	407 356		United States	907 663	366 182
	California	6 262	N		Arkansas	24 155	N
	Connecticut	17 396	26 665		California	75 762	41 141
	Illinois	27 421	29 471		Michigan	2 990	N
	New Jersey	26 478	33 800		Minnesota	5 454	N
	New York	7 741	48 267		Missouri	7 959	8 533
	Pennsylvania	11 875	11 530		New Jersey	24 863	13 711
	Rhode Island	22 273	37 557		New York	58 161	29 811
	Wisconsin	22 569	18 789		Pennsylvania	5 289	5 757
					Texas	92 251	21 890
					Washington	3 909	N
3399941	BROOMS, MOPS, AND DUSTERS			3399997	UMBRELLAS AND PARASOLS (INCLUDING PARTS)		
	United States	622 479	N		United States	74 927	56 352
	California	13 487	N		California	9 324	16 269
	Florida	2 169	N		New Jersey	31 555	N
	Illinois	67 974	N				
	Massachusetts	31 252	N	3399999	FEATHERS, PLUMES, AND ARTIFICIAL FLOWERS		
	Missouri	13 018	N		United States	250 304	254 456
	Ohio	126 315	N		California	34 365	22 306
	Pennsylvania	14 091	N		Florida	7 021	N
	South Carolina	20 274	N		New York	27 475	54 359
	Tennessee	47 385	N		North Carolina	11 730	N
	Texas	32 729	N		Ohio	14 534	N
	Washington	2 510	N		Texas	25 219	N
	Wisconsin	10 584	N		Wisconsin	2 165	3 653
3399943	PAINT AND VARNISH BRUSHES, ROLLERS, AND PADS			339999C	MIRROR AND PICTURE FRAMES		
	United States	423 613	384 647		United States	1 068 902	N
	California	6 227	N		Alabama	15 057	N
	New Jersey	14 045	13 129		Arkansas	104 110	N
	New York	52 362	51 095		California	249 428	N
3399945	OTHER BRUSHES				Colorado	4 587	N
	United States	872 801	604 741		Connecticut	4 161	N
	California	39 839	26 718		Florida	10 358	N
	Georgia	83 218	N		Georgia	4 228	N
	Illinois	65 078	51 620		Illinois	70 298	N
	Massachusetts	47 905	20 194		Kansas	5 110	N
	Michigan	33 124	7 741		Maryland	6 604	N
	New Jersey	11 229	9 393		Massachusetts	33 282	N
	New York	36 179	36 177		Michigan	10 824	N
	Ohio	75 693	79 205		Missouri	12 179	N
	Pennsylvania	64 942	39 495		New Hampshire	2 969	N
	Texas	18 114	12 022		New Jersey	5 416	N
	Wisconsin	43 691	24 624		New York	87 436	N
3399951	METAL BURIAL CASKETS AND COFFINS, COMPLETELY LINED AND TRIMMED, ADULT SIZES ONLY				North Carolina	75 046	N
	United States	744 130	675 694		Ohio	6 927	N
	Alabama	6 281	6 989		Oregon	3 781	N
	Indiana	347 799	272 371		Pennsylvania	14 750	N
	Texas	7 980	8 010		Tennessee	23 601	N
3399953	WOOD BURIAL CASKETS AND COFFINS, COMPLETELY LINED AND TRIMMED, ADULT SIZES ONLY			339999H	MISCELLANEOUS FABRICATED PRODUCTS, NEC		
	United States	317 604	222 871		United States	2 278 958	N
	California	2 182	5 346		Arizona	10 931	N
	Indiana	24 270	13 983		Arkansas	53 232	N
	Massachusetts	11 500	7 871		California	364 352	N
	Pennsylvania	60 200	43 743		Colorado	19 492	N
3399955	OTHER BURIAL CASKETS AND COFFINS AND METAL VAULTS				Connecticut	139 605	N
	United States	65 817	94 022		Florida	83 013	N
	Georgia	2 262	N		Idaho	11 643	N
	Indiana	24 101	34 323		Illinois	176 334	N
3399991	CHEMICAL FIRE-EXTINGUISHING EQUIPMENT AND PARTS				Indiana	52 667	N
	United States	543 864	462 142		Iowa	3 727	N
	Illinois	24 315	N		Kansas	9 031	N
					Kentucky	18 325	N
					Maine	6 470	N
					Maryland	15 132	N
					Massachusetts	120 520	N
					Michigan	52 115	N
					Minnesota	45 354	N
					Missouri	14 196	N
					Nevada	3 480	N
					New Hampshire	4 240	N

Table 2. Product Class Shipments for Selected States: 1997 and 1992—Con.

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2 of the Industry Series reports. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 1997. For meaning of abbreviations and symbols, see introductory text. For explanations of terms, see appendixes]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)		NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)	
		1997	1992			1997	1992
339999H	MISCELLANEOUS FABRICATED PRODUCTS, NEC—Con.			339999H	MISCELLANEOUS FABRICATED PRODUCTS, NEC—Con.		
	New Jersey	12 060	N		Oregon	26 822	N
	New York	191 473	N		Pennsylvania	176 354	N
	North Carolina	138 952	N		Rhode Island	15 226	N
	Ohio	48 813	N		South Carolina	4 488	N
	Oklahoma	9 847	N		Texas	87 323	N
					Virginia	62 026	N
					Washington	15 804	N
					Wisconsin	100 352	N

Appendix A.

Explanation of Terms

PRODUCT CODES AND CLASSES OF PRODUCTS

NAICS United States industries are identified by a six-digit code, in contrast to the four-digit SIC code. The longer code accommodates the large number of sectors and allows more flexibility in designing subsectors. Each product or service is assigned a ten-digit code. The product coding structure represents an extension by the Census Bureau of the six-digit industry classifications of the manufacturing and mining sectors. The classification system operates so that the industrial coverage is progressively narrower with the successive addition of digits. This is illustrated as follows:

NAICS level	NAICS code	Description
Industry	33461	Manufacturing and reproduction of magnetic and optical media
U.S. industry.	334612	Reproduction of software
Product class	3346120	Prerecorded compact disc (except software), tape, and record reproducing
BLS link code.	3346120X	
Product code	3346120XXX	

As in previous censuses, data were collected for most industries on the quantity and value of individual products shipped. In the 1997 census program, information was collected on the output of almost 10,000 individual product items.

In the new system, there are about 1,500 product classes (seven-digit codes), about 6,000 census products

(ten-digit codes), and an additional 3,700 CIR products (ten-digit codes). The ten-digit products are considered the primary products of the industry with the same first six digits.

The list of products for which separate information was collected was prepared after consultation with industry and government representatives. Comparability with previous figures was given considerable weight in the selection of product categories so that comparable 1992 information is presented for most products.

Typically, both quantity and value of shipments information were collected. However, if quantity was not significant or could not be reported by manufacturers, only value of shipments was collected.

Shipments include both commercial shipments and transfers of products to other plants of the same company. For industries in which a considerable portion of the total shipments is transferred to other plants of the same company, separate information on interplant transfers also was collected. Moreover, for products that are used to a large degree within the same establishment as materials or components in the fabrication of other products, total production and often consumption of the item within the plant (quantity produced and consumed) was collected. Typically, the information on production also was collected for products for which there are significant differences between total production and shipments in a given year because of wide fluctuations in finished goods inventories. Other measures of output of products with long production cycles were used as appropriate and feasible.

Appendix B.

NAICS Codes, Titles, and Descriptions

Not applicable for this report.

Appendix C.

Coverage and Methodology

MAIL/NONMAIL UNIVERSE

The manufacturing universe includes about 400,000 establishments. This number includes those industries in the North American Industry Classification System (NAICS) definition of manufacturing, but not those industries leaving the manufacturing sector in the classification change. The amounts of information requested from manufacturing establishments were dependent upon a number of factors. The more important considerations were the size of the company and whether it was included in the annual survey of manufactures (ASM). The methods of obtaining information for the various subsets of the universe to arrive at the aggregate figures shown in the publication are described below:

1. Small single-establishment companies not sent a report form.

Approximately 40 percent of the manufacturing establishments were small single-establishment companies that were excused from filing a census report. Selection of these establishments was based on two factors: annual payroll and our ability to assign the correct six-digit NAICS industry classification to the establishment. For each four-digit Standard Industrial Classification (SIC) industry code, an annual payroll cutoff was determined. These cutoffs were derived so that the establishments with payroll less than the cutoff were expected to account for no more than 3 percent of the value of shipments for the industry. Generally, all single-establishment companies with less than 5 employees were excused, while all establishments with more than 20 employees were mailed forms. Establishments below the cutoff that could not be directly assigned a six-digit NAICS code were mailed a classification report which requested information for assigning NAICS industry codes. Establishments below the cutoff that could be directly assigned a six-digit NAICS code were excused from filing any report. For below cutoff establishments, information on the physical location, payroll, and receipts was obtained from the administrative records of other Federal agencies under special arrangements that safeguarded their confidentiality.

Estimates of data for these small establishments were developed using industry averages in conjunction with the administrative information. The value of shipments and cost of materials were not distributed among specific products and materials for these

establishments but were included in the product and material “not specified by kind” (nisk) categories.

The industry classification codes included in the administrative-record files were assigned on the basis of brief descriptions of the general activity of the establishment. As a result, an indeterminate number of establishments were erroneously coded to a four-digit SIC industry and then erroneously re-coded to a six-digit NAICS industry. This was especially true whenever there was a relatively fine line of demarcation between industries or between manufacturing and nonmanufacturing activity.

Sometimes the administrative-record cases had only two- or three-digit SIC group classification codes available in the files. For the 1997 Economic Census – Manufacturing, these establishments were sent a separate classification form, which requested information on the products and services of the establishment. This form was used to code many of these establishments to the appropriate six-digit NAICS level. Establishments that did not return the classification form were coded later to those six-digit NAICS industries identified as “All other” industries within the given subsector.

As a result of these situations, a number of small establishments may have been misclassified by industry. However, such possible misclassification has no significant effect on the statistics other than on the number of companies and establishments.

The total establishment count for individual industries should be viewed as an approximation rather than a precise measurement. The counts for establishments with 20 employees or more are far more reliable than the count of total number of establishments.

2. Establishments sent a report form.

The establishments covered in the mail canvass were divided into three groups:

- a. ASM sample establishments.

This group accounts for approximately 15 percent of all manufacturing establishments. The ASM panel covers all the units of large manufacturing establishments as well as a sample of the medium and smaller establishments. The probability of selection was proportionate to size. For more information, see the Description of the ASM Survey Sample.

In an economic census year, the ASM report form (MA-1000) replaces the first page of the regular census form for those establishments included in the ASM. In addition to information on employment, payroll, and other items normally requested on the regular census form, establishments in the ASM sample were requested to supply additional information on gross book value of assets and capital expenditures. ASM establishments were also requested to provide information on retirements, depreciation, rental payments, and supplemental labor costs. For establishments not included in the ASM, these additional items were estimated using relationships observed in the ASM establishment data. The census statistics for these variables are a sum of the ASM establishment data and the estimated data for non-ASM establishments. ASM establishments were also requested to provide information for selected purchased services. The census statistics for the purchased service items were derived solely from the ASM establishments. See Appendix A, Explanation of Terms for an explanation of these items. The census part of the report form is 1 of 220 versions containing product, material, and special inquiries. The diversity of manufacturing activities necessitated the use of this many forms to canvass the 480 manufacturing industries. Each form was developed for a group of related industries.

Appearing on each form was a list of products primary to the group of related industries as well as secondary products and miscellaneous services that establishments classified in these industries were likely to perform. Respondents were requested to identify the products, the value of each product, and, in many cases, the quantity of the product shipped during the survey year. Space also was provided for the respondent to describe products not specifically identified on the form.

The report form also contained a materials-consumed inquiry which varied from form to form depending on the industries being canvassed. The respondents were asked to review a list of materials generally used in their production processes. From this list, each establishment was requested to identify those materials consumed during the survey year, the cost of each, and, in certain cases, the quantity consumed. Once again, space was provided for the respondent to describe significant materials not identified on the form.

A wide variety of special inquiries was included to measure activities peculiar to a given industry, such as operations performed and equipment used.

b. Large and medium establishments (non-ASM).

Approximately 30 percent of all manufacturing establishments were included in this group. A variable cutoff, based on administrative-record payroll data and determined on an industry-by-industry basis, was used to select those establishments that were to receive 1 of the 220 economic census – manufacturing regular forms. The first page, requesting establishment data for items such as employment and payroll, was standard but did not contain the detailed statistics included on the ASM form. The product, material, and special inquiry sections supplied were based on the historical industry classification of the establishment.

c. Small single-establishment companies (non-ASM).

This group includes approximately 15 percent of all manufacturing establishments. For those industries where application of the variable cutoff for administrative-record cases resulted in a large number of small establishments being included in the mail canvass, an abbreviated or short form was used. These establishments received 1 of the 31 versions of the short form, which requested summary product and material data and totals but no details on employment, payroll, cost of materials, inventories, and capital expenditures.

Use of the short form has no adverse effect on published totals for the industry statistics because the same data were collected on the short form as on the long form. However, detailed information on products and materials consumed was not collected on the short form; thus, its use would increase the value of the *nsk* categories.

INDUSTRY CLASSIFICATION OF ESTABLISHMENTS

Each of the establishments covered in the 1997 Economic Census – Manufacturing was classified in 1 of 480 industries (473 manufacturing industries and 7 former manufacturing industries) in accordance with the industry definitions in the 1997 NAICS Manual. This is the first edition of the NAICS Manual and it is a major change from the 1987 SIC Manual that was used previously. Appendix A of the 1997 NAICS Manual notes the comparability between the 1987 SIC and 1997 NAICS classification systems. When applicable, Appendix G of this report shows the product class and product comparability between the two systems for data in this report.

In the NAICS system, an industry is generally defined as a group of establishments that have similar production processes. To the extent practical, the system uses supply-based or production-oriented concepts in defining industries. The resulting group of establishments must be significant in terms of number, value added by manufacture, value of shipments, and number of employees.

The coding system works in such a way that the definitions progressively become narrower with successive additions of numerical digits. In the manufacturing sector for 1997, there are 21 subsectors (three-digit NAICS), 86 industry groups (four-digit NAICS), 184 NAICS industries (five-digit NAICS) that are comparable with Canadian and Mexican classification, and 473 U.S. industries (six-digit NAICS). This represents an expansion of the four-digit SIC-based U.S. industries from 459 in 1987. Product classes and products of the manufacturing industries have been assigned codes based on the industry from which they originate. In the new system, there are about 1,500 product classes (seven-digit codes), about 6,000 census products, and an additional 3,700 CIR products (ten-digit codes). The ten-digit products are considered the primary products of the industry with the same first six digits. These counts do not include the seven former manufacturing industries that are included in the 1997 Economic Census – Manufacturing.

For the 1997 Economic Census – Manufacturing, all establishments were classified in particular industries based on the products they produced. If an establishment made products of more than one industry, it was classified in the industry with the largest product value. For 1997, there were no “resistance rules” or “frozen industries.”

In ASM years, establishments included in the ASM sample with certainty weights are reclassified by industry only if the change in the primary activity from the prior year is significant or if the change has occurred for 2 successive years. This procedure prevents reclassification when there are minor shifts in product mix.

In ASM years, establishments included in the ASM sample with noncertainty weight are not shifted from one industry classification to another. They are retained in the industry where they were classified in the base census year. However, in the following census year, these ASM plants are allowed to shift from one industry to another.

The results of these rules covering the switching of plants from one industry classification to another are that some industries comprise different mixes of establishments in different survey years. Hence, comparisons between prior-year and current-year published totals, particularly at the six-digit NAICS level, should be viewed with caution. This is particularly true for the comparison between the data shown for a census year versus the data shown for the previous ASM year.

As previously noted, the small establishments that may have been misclassified by industry are usually administrative-record cases whose industry codes were assigned on the basis of incomplete descriptions of the general activity of the establishment. Such possible misclassifications have no significant effect on the statistics other than on the number of companies and establishments.

Establishments frequently make products classified both in their industry (primary products) and other industries (secondary products). Industry statistics (employment, payroll, value added by manufacture, value of shipments, etc.) reflect the activities of the establishments which may make both primary and secondary products. Product statistics, however, represent the output of all establishments without regard for the classification of the producing establishment. For this reason, when relating the industry statistics, especially the value of shipments, to the product statistics, the composition of the industry’s output should be considered.

The extent to which industry and product statistics may be matched with each other is measured by the primary product specialization ratio and the coverage ratio. The primary product specialization ratio is the proportion of industry shipments accounted for by the primary products of establishments classified in the industry. The coverage ratio is the proportion of product shipments accounted for by establishments classified in the industry.

ESTABLISHMENT BASIS OF REPORTING

The economic census – manufacturing is conducted on an establishment basis. A company operating at more than one location is required to file a separate report for each location or establishment. The ASM also is conducted on an establishment basis, but separate reports are filed for just those establishments selected in the sample. Companies engaged in distinctly different lines of activity at one location are requested to submit separate reports if the plant records permit such a separation and if the activities are substantial in size.

In 1997, as in earlier years, a minimum size limit was set for inclusion of establishments in the census. All establishments employing one person or more at any time during the census year are included. The same size limitation has applied since 1947 in censuses and annual surveys of manufactures. In the 1939 and earlier censuses, establishments with less than \$5,000 value of products were excluded. The change in the minimum size limit in 1947 does not appreciably affect the historical comparability of the census figures except for data on number of establishments for a few industries.

The 1997 Economic Census – Manufacturing excludes data for central administrative offices (CAOs). These would include separately operated administrative offices, warehouses, garages, and other auxiliary units that service manufacturing establishments of the same company. These data are published in a separate report series.

DESCRIPTION OF THE ASM SURVEY SAMPLE

The annual survey of manufactures (ASM) sample is drawn for the second survey year after a census. The most recent sample was drawn for the 1994 survey year based on the 1992 Census of Manufactures. This sample will be in place through the 1998 ASM.

In 1992, there were approximately 370,000 individual manufacturing establishments. For sample efficiency and cost considerations, the 1992 manufacturing population was partitioned into two components for developing estimates within the ASM; a mail stratum and a nonmail stratum.

Mail stratum. The mail stratum of the survey is comprised of larger single-location manufacturing companies and all manufacturing establishments of multiunit companies (companies that operate at more than one physical location). Approximately 230,000 of the 370,000 establishments in the 1992 census were assigned to the mail stratum. On an annual basis, the mail stratum is supplemented with larger, newly active single-location companies identified from a list provided by the Internal Revenue Service (IRS) and new manufacturing locations of multiunit companies identified from the Census Bureau's Company Organization Survey (COS).

For the 1994 survey, a new sample of approximately 58,000 individual establishments was selected from the mail stratum assembled from the 1992 census. Supplemental samples representing both 1993 and 1994 births (newly active establishments that were not included in the 1992 census) were also selected. Establishments selected for the sample are mailed an ASM survey questionnaire for each year through 1998.

The 1994-98 ASM sample design is similar to the one used since 1984. Companies in the 1992 Census of Manufactures with manufacturing shipments of at least \$500 million were defined as company certainties. For these large companies, each manufacturing establishment is included in the mail sample. For the 1994-98 sample, there are approximately 650 certainty companies collectively accounting for over 18,000 establishments.

For the remaining portion of the mail component of the survey, the establishment was defined as the sample unit. All establishments with 250 employees or more were defined as employment certainties. In addition, all establishments producing products in SIC 3571 (Electronic Computers) were defined as certainties. Across these three arbitrary certainty classes, there were approximately 25,000 establishments included in the sample with certainty. Collectively, these certainty establishments accounted for approximately 80 percent of the total value of shipments in the 1992 Census of Manufactures.

Smaller establishments in the remaining portion of the mail stratum were sampled with probabilities ranging from .02 to 1.00. The initial probabilities of selection assigned to these establishments were proportionate to a measure-of-size determined for each establishment. The measure-of-size was a function of the establishment's 1992 industry classification, its 1992 product class data, and the historical variability of the year-to-year estimates of the product class estimates. For each product class (1,755) and four-digit industry (459), a desired reliability

constraint was specified. Using a technique developed by Dr. James R. Chromy of the Research Triangle Institute, the initial establishment probabilities were optimized such that the expected sample satisfied all industry and product class reliability constraints while the sample size was minimized. This technique reduces the likelihood of selecting nonrepresentative samples for individual product classes or industries.

This method of assigning probabilities based on product class shipments is motivated by our primary desire to produce reliable estimates of both product class and industry shipments. The high correlation between shipments and employment, value-added, and other general statistics assures that these variables will also be well represented by the sample. The actual sample selection procedure uses an independent chance of selection method (Poisson sampling) which permits us to prevent small establishments from being selected in consecutive samples without introducing a bias into the survey estimates.

Nonmail component. The initial nonmail component of the survey was comprised of approximately 140,000 small, single-establishment companies that were tabulated as administrative records in the 1992 Census of Manufactures. The nonmail stratum is also supplemented annually using the list of newly active single-location companies provided by the Internal Revenue Service (IRS) and payroll cutoffs. Companies with payroll below the payroll cutoff are added to the nonmail stratum. For this portion of the population, sampling is not used. The data for this group are estimated based on selected information obtained annually from the administrative records of the IRS and Social Security Administration (SSA). This administrative information, which includes payroll, total employment, industry classification, and physical location, is obtained under conditions which safeguard the confidentiality of both tax and census records.

DESCRIPTION OF THE ASM ESTIMATING PROCEDURE

Most of the ASM estimates derived for the mail stratum are computed using a difference estimator. At the establishment level, there is a strong correlation between the current-year data values and the corresponding 1992 (base) data values. Therefore, within the mailed stratum, for each item at each level of aggregation, an estimate of the "difference" between the current year and the base year is computed from sample cases and added to the corresponding base-year values. For the 1993-1997 ASM estimates, the 1992 Census of Manufactures values serve as the base year. For the 1998 ASM, the base will be updated to be the 1997 Economic Census – Manufacturing.

Due to the positive year-to-year correlation, estimates derived using this methodology are generally more reliable than comparable estimates developed from the current sample data alone. Estimates for the capital expenditures variables are not generated using the difference

estimator because the year-to-year correlations are considerably weaker. The standard linear estimator is used for these variables.

For the nonmail stratum, estimates for payroll and employment are directly tabulated from the administrative-record data provided by IRS and SSA. Estimates of data other than payroll and employment are developed from industry averages. Although the nonmail stratum contains approximately 170,000 individual establishments in 1994, it accounts for less than 2 percent of the estimate for total value of shipments at the total manufacturing level.

Corresponding estimates for the mail and nonmail components are combined to produce the estimates included in this publication.

QUALIFICATIONS OF THE ASM DATA

The estimates developed from the sample are apt to differ somewhat from the results of a survey covering all companies in the sample lists but otherwise conducted under essentially the same conditions as the actual sample survey. The estimates of the magnitude of the sampling errors (the difference between the estimates obtained and the results theoretically obtained from a comparable, complete-coverage survey) are provided by the standard errors of estimates.

The particular sample selected for the ASM is one of many similar probability samples that, by chance, might have been selected under the same specifications. Each of the possible samples would yield somewhat different sets of results, and the standard errors are measures of the variation of all the possible sample estimates around the theoretically comparable, complete-coverage values.

Estimates of the standard errors have been computed from the sample data for selected ASM statistics in this report. They are represented in the form of relative standard errors (the standard errors divided by the estimated values to which they refer).

In conjunction with its associated estimate, the relative standard error may be used to define confidence intervals (ranges that would include the comparable, complete-coverage value for specified percentages of all the possible samples).

The complete-coverage value would be included in the range:

From one standard error below to one standard error above the derived estimate for about two-thirds of all possible samples.

From two standard errors below to two standard errors above the derived estimate for about 19 out of 20 of all possible samples.

From three standard errors below to three standard errors above the derived estimate for nearly all samples.

An inference that the comparable, complete-survey result would be within the indicated ranges would be correct in approximately the relative frequencies shown. Those proportions, therefore, may be interpreted as defining the confidence that the estimates from a particular sample would differ from complete-coverage results by as much as one, two, or three standard errors, respectively.

For example, suppose an estimated total is shown at 50,000 with an associated relative standard error of 2 percent, that is, a standard error of 1,000 (2 percent of 50,000). There is approximately 67 percent confidence that the interval 49,000 to 51,000 includes the complete-coverage total, about 95 percent confidence that the interval 48,000 to 52,000 includes the complete-coverage total, and almost certain confidence that the interval 47,000 to 53,000 includes the complete-coverage total.

In addition to the sample errors, the estimates are subject to various response and operational errors: errors of collection, reporting, coding, transcription, imputation for nonresponse, etc. These operational errors also would occur if a complete canvass were to be conducted under the same conditions as the survey. Explicit measures of their effects generally are not available. However, it is believed that most of the important operational errors were detected and corrected during the Census Bureau's review of the data for reasonableness and consistency. The small operational errors usually remain. To some extent, they are compensating in the aggregated totals shown. When important operational errors were detected too late to correct the estimates, the data were suppressed or were specifically qualified in the tables.

As derived, the estimated standard errors included part of the effect of the operational errors. The total errors, which depend upon the joint effect of the sampling and operational errors, are usually of the order of size indicated by the standard error, or moderately higher. However, for particular estimates, the total error may considerably exceed the standard errors shown. Any figures shown in the tables in this publication having an associated standard error exceeding 15 percent may be combined with higher level totals, creating a broader aggregate, which then may be of acceptable reliability.

DATA FROM THE CURRENT INDUSTRIAL REPORTS (CIR)

The CIR program provides product statistics for selected manufacturing industries at the U.S. level annually and, in some cases, monthly and/or quarterly. When detail product data are collected in the CIR, they are not also collected in the census. However, the annual CIR data are included in the census Product Summary report.

The CIR program uses a unified data collection, processing, and publication system. The Census Bureau updates the survey panels for most reports annually and reconciles the estimates to the results of the broader-based annual survey of manufactures and the economic

census – manufacturing. The economic census – manufacturing provides a complete list of all producers of the products covered by the CIR program and serves as the primary source for CIR sampling. Where a small number of producers exist, CIR surveys cover all known producers of a product. However, when the number of producers is large, cutoff and random sampling techniques are used. Surveys are continually reviewed and modified to provide the most up-to-date information on products produced. While the CIR program includes both mandatory and voluntary surveys, the annual data are mandatory.

DUPLICATION IN COST OF MATERIALS AND VALUE OF SHIPMENTS

Data for cost of materials and value of shipments include varying amounts of duplication, especially at higher levels of aggregation. This is because the products of one establishment may be the materials of another. The value added statistics avoid this duplication and are, for most purposes, the best measure for comparing the relative economic importance of industries and geographic areas.

VALUE OF INDUSTRY SHIPMENTS COMPARED WITH VALUE OF PRODUCT SHIPMENTS

The 1997 Economic Census – Manufacturing shows value of shipments data for industries and products. In the industry statistics tables and files, these data represent the total value of shipments of all establishments classified in a particular industry. The data include the shipments of the products classified in the industry (primary to the industry), products classified in other industries (secondary to the industry), and miscellaneous receipts (repair work, sale of scrap, research and development, installation receipts, and resales). Value of product shipments shown in the products statistics tables and files represent the total value of all products shipped that are classified as primary to an industry regardless of the classification of the producing establishment.

Appendix D. Geographic Notes

Not applicable for this report.

Appendix E. Metropolitan Areas

Not applicable for this report.

Appendix F. Footnotes for Products Statistics

Products Statistics

[illegible]

MANUFACTURING

Products Statistics—Con.

[illegible]

Products Statistics—Con.

NAICS product code	Footnote
@3131113	For additional detail, see Current Industrial Report MA313F, Yarn Production.
@3131115	For additional detail, see Current Industrial Report MA313F, Yarn Production.
@3131117	For additional detail, see Current Industrial Report MA313F, Yarn Production.
@3131119	For additional detail, see Current Industrial Report MA313F, Yarn Production.
@313111C	For additional detail, see Current Industrial Report MQ313D, Consumption on the Woolen System.
@3131125	For additional detail, see Current Industrial Report MA313F, Yarn Production.
\$ 3131125100	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
@3132101	For additional detail, see Current Industrial Report MQ313T, Broadwoven Fabrics.
@3132103	For additional detail, see Current Industrial Report MQ313T, Broadwoven Fabrics.
@3132105	For additional detail, see Current Industrial Report MQ313T, Broadwoven Fabrics.
@3132107	For additional detail, see Current Industrial Report MQ313T, Broadwoven Fabrics.
\$ 3132109111	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
\$ 3132109121	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
\$ 3132109131	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
\$ 3132109141	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
\$ 3132109151	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
\$ 3132109161	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
\$ 3132109171	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
\$ 3132109181	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
\$ 313210B110	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
\$ 313210B120	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
\$ 313210C110	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
\$ 313210C120	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
\$ 313210C130	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
@313210E	For additional detail, see Current Industrial Report MQ313T, Broadwoven Fabrics.
@313210G	For additional detail, see Current Industrial Report MQ313T, Broadwoven Fabrics.
@313210H	For additional detail, see Current Industrial Report MQ313T, Broadwoven Fabrics.
@313210J	For additional detail, see Current Industrial Report MQ313T, Broadwoven Fabrics.

MANUFACTURING

[illegible]

Products Statistics—Con.

[illegible]

Products Statistics—Con.

[illegible]

Products Statistics—Con.

NAICS product code	Footnote
\$ 3151921120	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
\$ 3151923110	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
\$ 3151923120	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
\$ 3151927110	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
\$ 3151927120	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
@3152211	For additional detail, see Current Industrial Report MQ315A, Apparel.
\$ 3152211010	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
\$ 3152211020	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
@3152213	For additional detail, see Current Industrial Report MQ315A, Apparel.
\$ 3152213010	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
\$ 3152213020	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
@3152215	For additional detail, see Current Industrial Report MQ315A, Apparel.
@3152221	For additional detail, see Current Industrial Report MQ315A, Apparel.
@3152223	For additional detail, see Current Industrial Report MQ315A, Apparel.
@3152225	For additional detail, see Current Industrial Report MQ315A, Apparel.
@3152227	For additional detail, see Current Industrial Report MQ315A, Apparel.
@3152231	For additional detail, see Current Industrial Report MQ315A, Apparel.
\$ 3152231010	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
\$ 3152231020	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
@3152233	For additional detail, see Current Industrial Report MQ315A, Apparel.
@3152241	For additional detail, see Current Industrial Report MQ315A, Apparel.
@3152243	For additional detail, see Current Industrial Report MQ315A, Apparel.
@3152251	For additional detail, see Current Industrial Report MQ315A, Apparel.
@3152253	For additional detail, see Current Industrial Report MQ315A, Apparel.
@3152281	For additional detail, see Current Industrial Report MQ315A, Apparel.
@3152283	For additional detail, see Current Industrial Report MQ315A, Apparel.
\$ 3152283130	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
\$ 3152283140	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.

Products Statistics—Con.

NAICS product code	Footnote
@3152311	For additional detail, see Current Industrial Report MQ315A, Apparel.
\$ 3152311010	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
\$ 3152311020	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
@3152313	For additional detail, see Current Industrial Report MQ315A, Apparel.
\$ 3152313010	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
\$ 3152313020	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
@3152315	For additional detail, see Current Industrial Report MQ315A, Apparel.
\$ 3152315000	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
@3152317	For additional detail, see Current Industrial Report MQ315A, Apparel.
\$ 3152317110	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
@3152319	For additional detail, see Current Industrial Report MQ315A, Apparel.
@3152321	For additional detail, see Current Industrial Report MQ315A, Apparel.
\$ 3152321010	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
\$ 3152321120	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
@3152323	For additional detail, see Current Industrial Report MQ315A, Apparel.
@3152330	For additional detail, see Current Industrial Report MQ315A, Apparel.
@3152341	For additional detail, see Current Industrial Report MQ315A, Apparel.
@3152343	For additional detail, see Current Industrial Report MQ315A, Apparel.
@3152345	For additional detail, see Current Industrial Report MQ315A, Apparel.
@3152347	For additional detail, see Current Industrial Report MQ315A, Apparel.
@3152391	For additional detail, see Current Industrial Report MQ315A, Apparel.
@3152393	For additional detail, see Current Industrial Report MQ315A, Apparel.
@3152395	For additional detail, see Current Industrial Report MQ315A, Apparel.
@3152397	For additional detail, see Current Industrial Report MQ315A, Apparel.
\$ 3152397110	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
\$ 3152397140	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
@3152910	For additional detail, see Current Industrial Report MQ315A, Apparel.
\$ 3152910110	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.

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NAICS product code	Footnote
\$ 3219121111	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
\$ 3219121121	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
\$ 3219121131	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
\$ 3219121141	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
\$ 3219123111	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
\$ 3219123121	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
\$ 3219123131	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
\$ 3219123141	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
\$ 3219123151	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
\$ 3219123161	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
\$ 322121J111	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
\$ 322121J121	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
# 322121L111	The total for products 322121L111 and 3222913111 is: Quantity = 21,092.8 Mil and Value = \$4,894,272 thousand.
# 322121L121	The total for products 322121L121 and 3222913121 is: Quantity = (Not Collected) and Value = \$751,530 thousand.
# 322121L131	The total for products 322121L131 and 3222913131 is: Quantity = (Not Collected) and Value = \$237,758 thousand.
\$ 322121N111	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
# 322121N2	The total for products 322121N2 and 32229152 is: Quantity = (Not Collected) and Value = \$1,497,708 thousand.
# 322121N221	The total for products 322121N221 and 3222915221 is: Quantity = 110.8 (1,000 s tons) and Value = \$171,865 thousand.
# 322121N223	The total for products 322121N223 and 3222915223 is: Quantity = 214.9 (1,000 s tons) and Value = \$294,858 thousand.
# 322121N225	The total for products 322121N225 and 3222915225 is: Quantity = (Suppressed) and Value = \$180,170 thousand.
\$ 322121N227	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
# 322121N229	The total for products 322121N229 and 3222915229 is: Quantity = 31.3 (1,000 s tons) and Value = \$67,555 thousand.
\$ 322121N331	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
# 322121N4	The total for products 322121N4 and 32229154 is: Quantity = (Not Collected) and Value = \$1,016,067 thousand.
# 322121N433	The total for products 322121N433 and 3222915433 is: Quantity = (Suppressed) and Value = \$1,016,067 thousand.
# 322121N5	The total for products 322121N5 and 32229155 is: Quantity = (Not Collected) and Value = \$1,764,024 thousand.
# 322121N535	The total for products 322121N535 and 3222915535 is: Quantity = 308.6 p (1,000 s tons) and Value = \$461,895 thousand.

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NAICS product code	Footnote
# 322121N541	The total for products 322121N541 and 3222915541 is suppressed to avoid disclosure of individual companies.
# 322121N551	The total for products 322121N551 and 3222915551 is suppressed to avoid disclosure of individual companies.
\$ 322121N661	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
# 322121N7	The total for products 322121N7 and 32229157 is: Quantity = (Not Collected) and Value = \$2,639,755 thousand.
# 322121N771	The total for products 322121N771 and 3222915771 is: Quantity = (Suppressed) and Value = \$1,625,746 thousand.
\$ 322121N773	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
# 322121N8	The total for products 322121N8 and 32229158 is: Quantity = (Not Collected) and Value = \$399,564 thousand.
# 322121N881	The total for products 322121N881 and 3222915881 is: Quantity = (Suppressed) and Value = \$163,313 thousand.
# 322121N891	The total for products 322121N891 and 3222915891 is: Quantity = 147.4 (1,000 s tons) and Value = \$236,251 thousand.
# 3222110437	For 1992, data for product code 3222110437 includes total shipments of corrugated shipping containers for those establishments unable to provide an end use breakout.
\$ 3222911111	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
\$ 3222911121	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
# 3222913111	The total for products 322121L111 and 3222913111 is: Quantity = 21,092.8 Mil and Value = \$4,894,272 thousand.
# 3222913121	The total for products 322121L131 and 3222913131 is: Quantity = (Not Collected) and Value = \$751,530 thousand.
# 3222913131	The total for products 322121L131 and 3222913131 is: Quantity = (Not Collected) and Value = \$237,758 thousand.
\$ 3222915111	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
# 32229152	The total for products 322121N2 and 32229152 is: Quantity = (Not Collected) and Value = \$1,497,708 thousand.
# 3222915221	The total for products 322121N221 and 3222915221 is: Quantity = 110.8 (1,000 s tons) and Value = \$171,865 thousand.
# 3222915223	The total for products 322121N223 and 3222915223 is: Quantity = 214.9 (1,000 tons) and Value = \$294,858 thousand.
# 3222915225	The total for products 322121N225 and 3222915225 is: Quantity = (suppressed) and Value = \$180,170 thousand.
\$ 3222915227	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
# 3222915229	The total for products 322121N229 and 3222915229 is: Quantity = 31.3 (1,000 s tons) and Value = \$67,555 thousand.
\$ 3222915331	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
# 32229154	The total for products 322121N4 and 32229154 is: Quantity = (Not Collected) and Value = \$1,016,067 thousand.
# 3222915433	The total for products 322121N433 and 3222915433 is: Quantity = (Suppressed) and Value = \$1,016,067 thousand.
# 32229155	The total for products 322121N5 and 32229155 is: Quantity = (Not Collected) and Value = \$1,764,024 thousand.
# 3222915535	The total for products 322121N535 and 3222915535 is: Quantity = 308.6 p (1,000 s tons) and Value = \$461,895 thousand.
# 3222915541	The total for products 322121N541 and 3222915541 is suppressed to avoid disclosure of individual companies.
# 3222915551	The total for products 322121N551 and 3222915551 is suppressed to avoid disclosure of individual companies.

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NAICS product code	Footnote
\$ 3251101111	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
\$ 3251101121	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
\$ 3251104111	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
\$ 3251104121	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
@3251201	For additional detail, see Current Industrial Report MA325C, Industrial Gases.
@3251204	For additional detail, see Current Industrial Report MA325C, Industrial Gases.
@3251207	For additional detail, see Current Industrial Report MA325C, Industrial Gases.
@325120A	For additional detail, see Current Industrial Report MA325C, Industrial Gases.
@325120D	For additional detail, see Current Industrial Report MA325C, Industrial Gases.
@3251311	For additional detail, see Current Industrial Report MA325A, Inorganic Chemicals.
@3251317	For additional detail, see Current Industrial Report MA325A, Inorganic Chemicals.
@3251811	For additional detail, see Current Industrial Report MA325A, Inorganic Chemicals.
@3251814	For additional detail, see Current Industrial Report MA325A, Inorganic Chemicals.
@3251817	For additional detail, see Current Industrial Report MA325A, Inorganic Chemicals.
@3251881	For additional detail, see Current Industrial Report MA325B, Fertilizer Materials.
@3251884	For additional detail, see Current Industrial Report MA325A, Inorganic Chemicals.
@3251887	For additional detail, see Current Industrial Report MA325A, Inorganic Chemicals.
@325188A	For additional detail, see Current Industrial Report MA325A, Inorganic Chemicals.
@325188D	For additional detail, see Current Industrial Report MA325A, Inorganic Chemicals.
@325188G	For additional detail, see Current Industrial Report MA325A, Inorganic Chemicals.
\$ 3252210131	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
\$ 325222D111	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
\$ 325222D211	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
\$ 325222D221	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
\$ 325222D231	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
@3253111	For additional detail, see Current Industrial Report MA325B, Fertilizer Materials.
@3253114	For additional detail, see Current Industrial Report MA325B, Fertilizer Materials.
@3253121	For additional detail, see Current Industrial Report MA325B, Fertilizer Materials.
@3253124	For additional detail, see Current Industrial Reports MA325B, Fertilizer Materials, and MA325A, Inorganic Chemicals.

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NAICS product code	Footnote
\$ 3253127111	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
\$ 3253127121	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
\$ 3253127131	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
\$ 3253127141	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
\$ 3253140111	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
\$ 3253140121	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
\$ 3253140131	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
\$ 3253140241	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
@3254121	For additional detail, see Current Industrial Report MA325G, Pharmaceutical Preparations.
@3254124	For additional detail, see Current Industrial Report MA325G, Pharmaceutical Preparations.
@3254127	For additional detail, see Current Industrial Report MA325G, Pharmaceutical Preparations.
@325412A	For additional detail, see Current Industrial Report MA325G, Pharmaceutical Preparations.
@325412D	For additional detail, see Current Industrial Report MA325G, Pharmaceutical Preparations.
@325412G	For additional detail, see Current Industrial Report MA325G, Pharmaceutical Preparations.
@325412L	For additional detail, see Current Industrial Report MA325G, Pharmaceutical Preparations.
@325412P	For additional detail, see Current Industrial Report MA325G, Pharmaceutical Preparations.
@325412T	For additional detail, see Current Industrial Report MA325G, Pharmaceutical Preparations.
@3255101	For additional detail, see Current Industrial Report MA325F, Paint and Allied Products.
@3255104	For additional detail, see Current Industrial Report MA325F, Paint and Allied Products.
@3255107	For additional detail, see Current Industrial Report MA325F, Paint and Allied Products.
@325510A	For additional detail, see Current Industrial Report MA325F, Paint and Allied Products.
@3256121	For additional detail, see Current Industrial Report MA325A, Inorganic Chemicals.
@325998H	For additional detail, see Current Industrial Report MA325A, Inorganic Chemicals.
# 3261910	For additional detail, see Current Industrial Report MQ332E, Plumbing Fixtures
@3261996	For additional detail, see Current Industrial Report MA315D, Gloves and Mittens.
@3262995	For additional detail, see Current Industrial Report MA315D, Gloves and Mittens.
@3271210	For additional detail, see Current Industrial Report MQ327D, Clay Construction Products.
@3271220	For additional detail, see Current Industrial Report MQ327D, Clay Construction Products.
@3271240	For additional detail, see Current Industrial Report MA327C, Refractories.
@3271250	For additional detail, see Current Industrial Report MA327C, Refractories.

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NAICS product code	Footnote
@3272111	For additional detail, see Current Industrial Report MA327A, Flat Glass.
\$ 3272113100	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
\$ 3272115121	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
\$ 3272115131	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
\$ 3272115141	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
# 3272123	For additional detail, see Current Industrial Report MA327E, Consumer, Scientific, Technical and Industrial Glassware.
\$ 3272123000	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
# 3272125	For additional detail, see Current Industrial Report MA327E, Consumer, Scientific, Technical and Industrial Glassware.
\$ 3272125000	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
# 3272127	For additional detail, see Current Industrial Report MA327E, Consumer, Scientific, Technical and Industrial Glassware.
\$ 3272127000	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
# 3272129	For additional detail, see Current Industrial Report MA327E, Consumer, Scientific, Technical and Industrial Glassware.
\$ 3272129000	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
@3272130	For additional detail, see Current Industrial Report M327G, Glass Containers.
# 3272151	For additional detail, see Current Industrial Report MA327E, Consumer, Scientific, Technical and Industrial Glassware.
\$ 3272151000	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
# 3272153	For additional detail, see Current Industrial Report MA327E, Consumer, Scientific, Technical and Industrial Glassware.
\$ 3272153000	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
# 3272155	For additional detail, see Current Industrial Report MA327E, Consumer, Scientific, Technical and Industrial Glassware.
\$ 3272155000	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
# 3272157100	This product is also primary to industry 327211, Flat Glass. The total value of shipments for laminated glass, product codes 3272157100 and 3272113100, is \$1,409,003 thousand.
\$ 327215A111	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
\$ 327215A121	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
# 327215A231	For additional detail, see Current Industrial Report MA335J, Insulated Wire and Cable.
# 327215A351	This product is also primary to industry 327211, Flat Glass. The total value of shipments for multiple-glazed, sealed insulating glass units, product codes 327215A351 and 3272115141, is \$660,855 thousand.
@3274100	For additional detail, see Current Industrial Report MA327C, Refractories.
@3279920	For additional detail, see Current Industrial Report MA327C, Refractories.

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Products Statistics—Con.

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Products Statistics—Con.

[illegible]

Products Statistics—Con.

NAICS product code	Footnote
@3329121	For additional detail, see Current Industrial Report MA333N, Fluid Power Products.
@3329123	For additional detail, see Current Industrial Report MA333N, Fluid Power Products.
@3329125	For additional detail, see Current Industrial Report MA333N, Fluid Power Products.
@3329127	For additional detail, see Current Industrial Report MA333N, Fluid Power Products.
@3329129	For additional detail, see Current Industrial Report MA333N, Fluid Power Products.
@332912B	For additional detail, see Current Industrial Report MA333N, Fluid Power Products.
@332912D	For additional detail, see Current Industrial Report MA333N, Fluid Power Products.
@332912F	For additional detail, see Current Industrial Report MA333N, Fluid Power Products.
@332912H	For additional detail, see Current Industrial Report MA333N, Fluid Power Products.
@332912J	For additional detail, see Current Industrial Report MA333N, Fluid Power Products.
@332912L	For additional detail, see Current Industrial Report MA333N, Fluid Power Products.
@332912N	For additional detail, see Current Industrial Report MA333N, Fluid Power Products.
@3329911	For additional detail, see Current Industrial Report MA332Q, Antifriction Bearings.
@3329913	For additional detail, see Current Industrial Report MA332Q, Antifriction Bearings.
@3329915	For additional detail, see Current Industrial Report MA332Q, Antifriction Bearings.
@3329917	For additional detail, see Current Industrial Report MA332Q, Antifriction Bearings.
@3329919	For additional detail, see Current Industrial Report MA332Q, Antifriction Bearings.
@3331111	For additional detail, see Current Industrial Report MA333A, Farm Machinery and Lawn and Garden Equipment.
@3331113	For additional detail, see Current Industrial Report MA333A, Farm Machinery and Lawn and Garden Equipment.
@3331117	For additional detail, see Current Industrial Report MA333A, Farm Machinery and Lawn and Garden Equipment.
@3331119	For additional detail, see Current Industrial Report MA333A, Farm Machinery and Lawn and Garden Equipment.
@333111A	For additional detail, see Current Industrial Report MA333A, Farm Machinery and Lawn and Garden Equipment.
@333111C	For additional detail, see Current Industrial Report MA333A, Farm Machinery and Lawn and Garden Equipment.
@333111E	For additional detail, see Current Industrial Report MA333A, Farm Machinery and Lawn and Garden Equipment.
@333111G	For additional detail, see Current Industrial Report MA333A, Farm Machinery and Lawn and Garden Equipment.
@333111J	For additional detail, see Current Industrial Report MA333A, Farm Machinery and Lawn and Garden Equipment.
@3331121	For additional detail, see Current Industrial Report MA333A, Farm Machinery and Lawn and Garden Equipment.
@3331123	For additional detail, see Current Industrial Report MA333A, Farm Machinery and Lawn and Garden Equipment.
@3331127	For additional detail, see Current Industrial Report MA333A, Farm Machinery and Lawn and Garden Equipment.
@3331201	For additional detail, see Current Industrial Report MA333D, Construction Machinery.
@3331208	For additional detail, see Current Industrial Report MA333F, Mining Machinery.
@3331311	For additional detail, see Current Industrial Report MA333F, Mining Machinery.
@3331315	For additional detail, see Current Industrial Report MA333F, Mining Machinery.

Products Statistics—Con.

NAICS product code	Footnote
@3331317	For additional detail, see Current Industrial Report MA333F, Mining Machinery.
@3331327	For additional detail, see Current Industrial Report MA333F, Mining Machinery.
@3332987	For additional detail, see Current Industrial Report MA335F, Major Household Appliances.
@3333134	For additional detail, see Current Industrial Report MA334R, Computers and Office Machines.
@333313A	For additional detail, see Current Industrial Report MA334R, Computers and Office Machines.
@333313D	For additional detail, see Current Industrial Report MA334R, Computers and Office Machines.
@3333141	For additional detail, see Current Industrial Report MA334B, Measurement Instruments and Related Products.
@3333143	For additional detail, see Current Industrial Report MA334B, Measurement Instruments and Related Products.
@3333197	For additional detail, see Current Industrial Report MA334P, Communication and Other Electronic Equipment.
@3334111	For additional detail, see Current Industrial Report MA333J, Industrial Air Pollution Control Equipment.
@3334149	For additional detail, see Current Industrial Report MA335E, Electric Housewares and Fans.
@3334151	For additional detail, see Current Industrial Report MA333M, Refrigeration, Air Conditioning, and Warm Air Heating Equipment.
@3334155	For additional detail, see Current Industrial Report MA333M, Refrigeration, Air Conditioning, and Warm Air Heating Equipment.
@3334156	For additional detail, see Current Industrial Report MA333M, Refrigeration, Air Conditioning, and Warm Air Heating Equipment.
@333415A	For additional detail, see Current Industrial Report MA333M, Refrigeration, Air Conditioning, and Warm Air Heating Equipment.
@333415C	For additional detail, see Current Industrial Report MA333M, Refrigeration, Air Conditioning, and Warm Air Heating Equipment.
@333415E	For additional detail, see Current Industrial Report MA333M, Refrigeration, Air Conditioning, and Warm Air Heating Equipment.
@333415F	For additional detail, see Current Industrial Report MA333M, Refrigeration, Air Conditioning, and Warm Air Heating Equipment.
@333415G	For additional detail, see Current Industrial Report MA333M, Refrigeration, Air Conditioning, and Warm Air Heating Equipment.
@3335121	For additional detail, see Current Industrial Report MQ333W, Metalworking Machinery.
@3335122	For additional detail, see Current Industrial Report MQ333W, Metalworking Machinery.
@3335123	For additional detail, see Current Industrial Report MQ333W, Metalworking Machinery.
@3335124	For additional detail, see Current Industrial Report MQ333W, Metalworking Machinery.
@3335127	For additional detail, see Current Industrial Report MQ333W, Metalworking Machinery.
@3335128	For additional detail, see Current Industrial Report MQ333W, Metalworking Machinery.
@3335129	For additional detail, see Current Industrial Report MQ333W, Metalworking Machinery.
@333512A	For additional detail, see Current Industrial Report MQ333W, Metalworking Machinery.
@3335131	For additional detail, see Current Industrial Report MQ333W, Metalworking Machinery.
@3335133	For additional detail, see Current Industrial Report MQ333W, Metalworking Machinery.
@3335135	For additional detail, see Current Industrial Report MQ333W, Metalworking Machinery.

Products Statistics—Con.

NAICS product code	Footnote
@3336181	For additional detail, see Current Industrial Report MA333L, Internal Combustion Engines.
@3336183	For additional detail, see Current Industrial Report MA333L, Internal Combustion Engines.
@3336185	For additional detail, see Current Industrial Report MA333L, Internal Combustion Engines.
@3336189	For additional detail, see Current Industrial Report MA333L, Internal Combustion Engines.
@3339111	For additional detail, see Current Industrial Report MA333P, Pumps and Compressors.
@3339115	For additional detail, see Current Industrial Report MA333P, Pumps and Compressors.
@3339121	For additional detail, see Current Industrial Report MA333P, Pumps and Compressors.
@3339125	For additional detail, see Current Industrial Report MA333P, Pumps and Compressors.
@3339237	For additional detail, see Current Industrial Report MA333D, Construction Machinery.
@3339951	For additional detail, see Current Industrial Report MA333N, Fluid Power Products.
@3339953	For additional detail, see Current Industrial Report MA333N, Fluid Power Products.
@3339955	For additional detail, see Current Industrial Report MA333N, Fluid Power Products.
@3339957	For additional detail, see Current Industrial Report MA333N, Fluid Power Products.
@3339961	For additional detail, see Current Industrial Report MA333N, Fluid Power Products.
@3339963	For additional detail, see Current Industrial Report MA333N, Fluid Power Products.
@3339965	For additional detail, see Current Industrial Report MA333N, Fluid Power Products.
@3339967	For additional detail, see Current Industrial Report MA333N, Fluid Power Products.
@3339969	For additional detail, see Current Industrial Report MA333N, Fluid Power Products.
@3339993	For additional detail, see Current Industrial Report MA333N, Fluid Power Products.
@3339994	For additional detail, see Current Industrial Report MA333N, Fluid Power Products.
@3339996	For additional detail, see Current Industrial Report MA333N, Fluid Power Products.
@3339998	For additional detail, see Current Industrial Report MA333N, Fluid Power Products.
@3341111	For additional detail, see Current Industrial Report MA334R, Computers and Office Machines.
@3341117	For additional detail, see Current Industrial Report MA334R, Computers and Office Machines.
@334111D.....	For additional detail, see Current Industrial Report MA334R, Computers and Office Machines.
@3341121	For additional detail, see Current Industrial Report MA334R, Computers and Office Machines.
@3341124	For additional detail, see Current Industrial Report MA334R, Computers and Office Machines.
@3341131	For additional detail, see Current Industrial Report MA334R, Computers and Office Machines.
@3341134	For additional detail, see Current Industrial Report MA334R, Computers and Office Machines.
@3341191	For additional detail, see Current Industrial Report MA334R, Computers and Office Machines.
@3341194	For additional detail, see Current Industrial Report MA334R, Computers and Office Machines.
@3341197	For additional detail, see Current Industrial Report MA334R, Computers and Office Machines.
@3342101	For additional detail, see Current Industrial Report MA334P, Communication and Other Electronic Equipment.

Products Statistics—Con.

NAICS product code	Footnote
@3342104	For additional detail, see Current Industrial Report MA334P, Communication and Other Electronic Equipment.
@3342107	For additional detail, see Current Industrial Report MA334P, Communication and Other Electronic Equipment.
@3342201	For additional detail, see Current Industrial Report MA334P, Communication and Other Electronic Equipment.
@3342203	For additional detail, see Current Industrial Report MA334P, Communication and Other Electronic Equipment.
@3342207	For additional detail, see Current Industrial Report MA334Q, Semiconductors and Electronic Components.
@3342901	For additional detail, see Current Industrial Report MA334P, Communication and Other Electronic Equipment.
@3342902	For additional detail, see Current Industrial Report MA334P, Communication and Other Electronic Equipment.
@3342903	For additional detail, see Current Industrial Report MA334P, Communication and Other Electronic Equipment.
@3343101	For additional detail, see Current Industrial Report MA334M, Consumer Electronics.
@3343102	For additional detail, see Current Industrial Report MA334M, Consumer Electronics.
@3343103	For additional detail, see Current Industrial Report MA334M, Consumer Electronics.
@3343104	For additional detail, see Current Industrial Report MA334M, Consumer Electronics.
@3344111	For additional detail, see Current Industrial Report MA334Q, Semiconductors and Electronic Components.
@3344114	For additional detail, see Current Industrial Report MA334Q, Semiconductors and Electronic Components.
@3344117	For additional detail, see Current Industrial Report MA334Q, Semiconductors and Electronic Components.
@3344120	For additional detail, see Current Industrial Report MA334Q, Semiconductors and Electronic Components.
@3344131	For additional detail, see Current Industrial Report MA334Q, Semiconductors and Electronic Components.
@3344134	For additional detail, see Current Industrial Report MA334Q, Semiconductors and Electronic Components.
@3344137	For additional detail, see Current Industrial Report MA334Q, Semiconductors and Electronic Components.
@334413A	For additional detail, see Current Industrial Report MA334Q, Semiconductors and Electronic Components.
@3344140	For additional detail, see Current Industrial Report MA334Q, Semiconductors and Electronic Components.
@3344150	For additional detail, see Current Industrial Report MA334Q, Semiconductors and Electronic Components.
@3344160	For additional detail, see Current Industrial Reports MA334Q, Semiconductors and Electronic Components, MA334B, Measurement Instruments and Related Products, and MA334P, Communication and Other Electronic Equipment.
@3344171	For additional detail, see Current Industrial Report MA334Q, Semiconductors and Electronic Components.
@3344174	For additional detail, see Current Industrial Report MA334Q, Semiconductors and Electronic Components.
@3344177	For additional detail, see Current Industrial Report MA334Q, Semiconductors and Electronic Components.
@334417A	For additional detail, see Current Industrial Report MA334Q, Semiconductors and Electronic Components.
@334417D	For additional detail, see Current Industrial Report MA334Q, Semiconductors and Electronic Components.
@3344184	For additional detail, see Current Industrial Report MA334P, Communication and Other Electronic Equipment.
@334418A	For additional detail, see Current Industrial Reports MA334Q, Semiconductors and Electronic Components, and MA334R, Computers and Office Machines.
@3344191	For additional detail, see Current Industrial Report MA334Q, Semiconductors and Electronic Components.
@3344194	For additional detail, see Current Industrial Report MA334Q, Semiconductors and Electronic Components.

Products Statistics—Con.

NAICS product code	Footnote
@3344197	For additional detail, see Current Industrial Report MA334Q, Semiconductors and Electronic Components.
@334419D	For additional detail, see Current Industrial Report MA334Q, Semiconductors and Electronic Components.
@3345101	For additional detail, see Current Industrial Report MA334S, Electromedical and Irradiation Equipment.
@3345111	For additional detail, see Current Industrial Report MA334B, Measurement Instruments and Related Products.
@3345113	For additional detail, see Current Industrial Report MA334B, Measurement Instruments and Related Products.
@3345120	For additional detail, see Current Industrial Report MA334B, Measurement Instruments and Related Products.
@3345130	For additional detail, see Current Industrial Report MA334B, Measurement Instruments and Related Products.
@3345141	For additional detail, see Current Industrial Report MA334B, Measurement Instruments and Related Products.
@3345143	For additional detail, see Current Industrial Report MA334B, Measurement Instruments and Related Products.
@3345145	For additional detail, see Current Industrial Report MA334B, Measurement Instruments and Related Products.
@3345151	For additional detail, see Current Industrial Report MA334B, Measurement Instruments and Related Products.
@3345153	For additional detail, see Current Industrial Report MA334B, Measurement Instruments and Related Products.
@3345155	For additional detail, see Current Industrial Report MA334B, Measurement Instruments and Related Products.
@3345160	For additional detail, see Current Industrial Report MA334B, Measurement Instruments and Related Products.
@3345170	For additional detail, see Current Industrial Report MA334S, Electromedical and Irradiation Equipment.
@3345183	For additional detail, see Current Industrial Report MA334R, Computers and Office Machines.
@3345191	For additional detail, see Current Industrial Report MA334B, Measurement Instruments and Related Products.
@3345193	For additional detail, see Current Industrial Report MA334B, Measurement Instruments and Related Products.
@3345195	For additional detail, see Current Industrial Report MA334B, Measurement Instruments and Related Products.
@3345197	For additional detail, see Current Industrial Report MA334B, Measurement Instruments and Related Products.
@3345199	For additional detail, see Current Industrial Report MA334B, Measurement Instruments and Related Products.
@3346130	For additional detail, see Current Industrial Report MA334R, Computers and Office Machines.
@3351211	For additional detail, see Current Industrial Report MA335L, Electric Lighting Fixtures.
@3351221	For additional detail, see Current Industrial Report MA335L, Electric Lighting Fixtures.
@3351222	For additional detail, see Current Industrial Report MA335L, Electric Lighting Fixtures.
@3351291	For additional detail, see Current Industrial Report MA335L, Electric Lighting Fixtures.
@3352111	For additional detail, see Current Industrial Report MA335E, Electric Housewares and Fans.
@3352113	For additional detail, see Current Industrial Report MA335E, Electric Housewares and Fans.
@3352115	For additional detail, see Current Industrial Report MA335E, Electric Housewares and Fans.
@3352211	For additional detail, see Current Industrial Report MA335F, Major Household Appliances.
@3352213	For additional detail, see Current Industrial Report MA335F, Major Household Appliances.
@3352215	For additional detail, see Current Industrial Report MA335F, Major Household Appliances.
@3352221	For additional detail, see Current Industrial Report MA335F, Major Household Appliances.

Products Statistics—Con.

NAICS product code	Footnote
@3352222	For additional detail, see Current Industrial Report MA335F, Major Household Appliances.
@3352240	For additional detail, see Current Industrial Report MA335F, Major Household Appliances.
@3352281	For additional detail, see Current Industrial Report MA335F, Major Household Appliances.
@3352283	For additional detail, see Current Industrial Report MA335F, Major Household Appliances.
@3352285	For additional detail, see Current Industrial Report MA335F, Major Household Appliances.
@3353115	For additional detail, see Current Industrial Report MQ335C, Fluorescent Lamp Ballasts.
# 3353117	Historic 1994-1996 ASM data will not appear comparable to 1992 or 1997 Census data due to significant variability (large relative standard error) associated with this ASM estimate. This variability does not meet publication standards. [See Appendix G]
# 3353119	Historic 1994-1996 ASM data will not appear comparable to 1992 or 1997 Census data due to significant variability (large relative standard error) associated with this ASM estimate. This variability does not meet publication standards. [See Appendix G]
@3353121	For additional detail, see Current Industrial Report MA335H, Motors and Generators.
@3353123	For additional detail, see Current Industrial Report MA335H, Motors and Generators.
@3353125	For additional detail, see Current Industrial Report MA335H, Motors and Generators.
@3353127	For additional detail, see Current Industrial Report MA335H, Motors and Generators.
@3353129	For additional detail, see Current Industrial Report MA335H, Motors and Generators.
@335312A	For additional detail, see Current Industrial Report MA335H, Motors and Generators.
@335312C	For additional detail, see Current Industrial Report MA335H, Motors and Generators.
@3353131	For additional detail, see Current Industrial Report MA335A, Switchgear and Industrial Controls.
@3353133	For additional detail, see Current Industrial Report MA335A, Switchgear and Industrial Controls.
@3353135	For additional detail, see Current Industrial Report MA335A, Switchgear and Industrial Controls.
@3353137	For additional detail, see Current Industrial Report MA335A, Switchgear and Industrial Controls.
@3353139	For additional detail, see Current Industrial Report MA335A, Switchgear and Industrial Controls.
@335313A	For additional detail, see Current Industrial Report MA335A, Switchgear and Industrial Controls.
@3353141	For additional detail, see Current Industrial Report MA335A, Switchgear and Industrial Controls.
@3353143	For additional detail, see Current Industrial Report MA335A, Switchgear and Industrial Controls.
@3353145	For additional detail, see Current Industrial Report MA335A, Switchgear and Industrial Controls.
@3353147	For additional detail, see Current Industrial Report MA335A, Switchgear and Industrial Controls.
@3359210	For additional detail, see Current Industrial Report MA335J, Insulated Wire and Cable.
@3359291	For additional detail, see Current Industrial Report MA335J, Insulated Wire and Cable.
@335929A	For additional detail, see Current Industrial Report MA335J, Insulated Wire and Cable.
@335929B	For additional detail, see Current Industrial Report MA335J, Insulated Wire and Cable.
@335929C	For additional detail, see Current Industrial Report MA335J, Insulated Wire and Cable.
@335929D	For additional detail, see Current Industrial Report MA335J, Insulated Wire and Cable.
@335929E	For additional detail, see Current Industrial Report MA335J, Insulated Wire and Cable.

MANUFACTURING

Products Statistics—Con.

NAICS product code	Footnote
@3359311	For additional detail, see Current Industrial Report MA335K, Wiring Devices and Supplies.
@3359313	For additional detail, see Current Industrial Report MA335K, Wiring Devices and Supplies.
@3359315	For additional detail, see Current Industrial Report MA335K, Wiring Devices and Supplies.
@3359319	For additional detail, see Current Industrial Report MA335K, Wiring Devices and Supplies.
@335931A	For additional detail, see Current Industrial Report MA335K, Wiring Devices and Supplies.
@3359321	For additional detail, see Current Industrial Report MA335K, Wiring Devices and Supplies.
@3359323	For additional detail, see Current Industrial Report MA335K, Wiring Devices and Supplies.
@3359325	For additional detail, see Current Industrial Report MA335K, Wiring Devices and Supplies.
@3359997	For additional detail, see Current Industrial Report MA334P, Communication and Other Electronic Equipment.
@335999A	For additional detail, see Current Industrial Report MA334P, Communication and Other Electronic Equipment.
\$ 335999B100	This product code is primary to more than one industry. For a list of product codes that are primary to more than one industry, see "1997 Economic Census, Numerical List of Manufactured and Mineral Products," Appendix D.
@335999C	For additional detail, see Current Industrial Report MA334P, Communication and Other Electronic Equipment.
@3362121	For additional detail, see Current Industrial Report M336L , Truck Trailers.
@336322C	For additional detail, see Current Industrial Reports MA334Q, Semiconductors and Electronic Components and MA335H, Motors and Generators.
@3364113	For additional detail, see Current Industrial Report M336G , Civil Aircraft and Aircraft Engines.
@3364123	For additional detail, see Current Industrial Report M336G , Civil Aircraft and Aircraft Engines.
@3391110	For additional detail, see Current Industrial Report MA334B, Measurement Instruments and Related Products.

Appendix G. Comparability of Product Classes and Product Codes: 1997 to 1992

1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published
31111111	20473	20473	3112111	20411	20411	3112211261	2046125	2046125
3111111111	2047321	2047321	3112111111	2041105	2041105	3112211371	2046129	2046129
3111111121	2047323	2047323	3112111221	2041107	2041107	3112211YVW	2046100	2046100
3111111231	2047326	2047326	3112111331	2041111	2041111			
3111111341	2047338	2047338	3112111441	2041113	2041113	3112214	20462	20462
3111111YVW	2047300	2047300	3112111551	2041115	2041115	3112214111	2046211	2046211
			3112111561	2041117	2041117	3112214221	2046213	2046213
3111114	20474	20474	3112111671	2041121	2041121	3112214331 pt	2046215 pt	2046215
3111114111	2047441	2047441	3112111681	2041123	2041123	3112214331 pt	2046218 pt	2046217
3111114221	2047443	2047443	3112111791	2041126	2041126	3112214YVW	2046200	2046200
3111114231	2047445	2047445	31121117A1	2041129	2041129			
3111114341	2047454	2047454				3112217	20463	20463
3111114351	2047457	2047457	31121117B1	2041128	2041128	3112217111	2046353	2046353
3111114YVW	2047400	2047400	31121118C1	2041131	2041131	3112217121	2046354	2046354
			31121118D1	2041151	2041151	3112217131	2046356	2046356
311111W	20470	20470	31121118E1	2041161	2041161	3112217141	2046359	2046359
311111WYVW	2047000	2047000	31121118F1	2041198	2041198	3112217YVW	2046300	2046300
311111WYVW	2047002	2047002	3112111YVW	2041100	2041100			
						311221A	20464	20464
3111191	20481	20481	3112114	20412	20412	311221A111	2046462	2046462
3111191111	2048111	2048111	3112114111	2041213	2041213	311221A221	2046465	2046465
3111191121	2048115	2048115	3112114121	2041219	2041219	311221A231	2046472	2046472
3111191231	2048116	2048116	3112114YVW	2041200	2041200	311221A241	2046475	2046475
3111191341	2048118	2048118				311221AYVW	2046400	2046400
3111191351	2048121	2048121	3112117	20413	20413			
3111191361	2048122	2048122	3112117111	2041311	2041311	311221W	20460	20460
3111191371	2048123	2048123	3112117121	2041315	2041315	311221WYVW	2046000	2046000
3111191381	2048124	2048124	3112117131	2041321	2041321	311221WYVW	2046002	2046002
3111191391	2048131	2048131	3112117141	2041323	2041323			
31111913A1	2048132	2048132	3112117151	2041365	2041365	3112221	20751	20751
31111913B1	2048133	2048133	3112117161	2041393	2041393	3112221111	2075113	2075113
31111913C1	2048134	2048134	3112117171	2041395	2041395	3112221221	2075115	2075115
3111191YVW	2048100	2048100	3112117181	2041397	2041397	3112221231	2075121	2075121
			3112117YVW	2041300	2041300	3112221241	2075131	2075131
3111194	20482	20482				3112221YVW	2075100	2075100
3111194100	2048200	2048200	311211A	20415	20415			
			311211A111	2041511	2041511	3112224	20752 pt	20752 pt
3111197	20483	20483	311211A121	2041513	2041513	3112224111	2075211	2075211
3111197111	2048301	2048301	311211A131	2041515	2041515	3112224221	2075231	2075231
3111197121	2048302	2048302	311211A141	2041521	2041521	3112224231	2075251	2075251
3111197YVW	2048300	2048300	311211A151 pt	2041530 pt	2041517	3112224241	2075261	2075261
			311211A151 pt	2041530 pt	2041519	3112224261	2075297	2075297
311119A	20484	20484	311211A151 pt	2041530 pt	2041525	3112224YVW	2075200 pt	2075200 pt
311119A100	2048400	2048400	311211A161 pt	2041590 pt	2041581			
			311211A161 pt	2041590 pt	2041585	311222W	20750 pt	20750 pt
311119D	20485	20485	311211A161 pt	2041590 pt	2041586	311222WYVW	2075000 pt	2075000 pt
311119D111	2048503	2048503	311211A161 pt	2041590 pt	2041588	311222WYVW	2075002 pt	2075002 pt
311119D121	2048504	2048504	311211A171 pt	2041596 pt	2041591			
311119DYVW	2048500	2048500	311211A171 pt	2041596 pt	2041592	311223	20742	20742
			311211A171 pt	2041596 pt	2041595	3112234100	2074200	2074200
311119G	20486	20486	311211AYVW	2041500	2041500			
311119G100	2048600	2048600				3112237	20743	20743
						3112237100	2074300	2074300
311119J	20487	20487	311211D pt	20343 pt	20343 pt			
311119J111	2048705	2048705	311211D pt	20416	20416	311223A	20744 pt	20744 pt
311119J121	2048706	2048706	311211D111 pt	2034338	2034339 pt	311223A111	2074414	2074414
311119JYVW	2048700	2048700	311211D111 pt	2041613	2041613	311223A221	2074451	2074451
			311211D121	2041627	2041627	311223A231	2074498	2074498
311119M	20488	20488	311211DYVW pt	2034300 pt	2034300 pt	311223AYVW	2074400 pt	2074400 pt
311119M111	2048811	2048811	311211DYVW pt	2041600	2041600			
311119M121	2048812	2048812				311223D	20761	20761
311119M131	2048813	2048813	311211W pt	20340 pt	20340 pt	311223D111	2076113	2076113
311119M141	2048816	2048816				311223D121	2076133	2076133
311119M151	2048821	2048821	311211W pt	20410	20410	311223DYVW	2076100	2076100
311119M161	2048823	2048823	311211WYVW pt	2034000 pt	2034000 pt			
311119M171	2048825	2048825	311211WYVW pt	2041000	2041000	311223G	20762	20762
311119M181	2048831	2048831	311211WYVW pt	2034002 pt	2034002 pt	311223G111	2076223	2076223
311119M191	2048833	2048833	311211WYVW pt	2041002	2041002	311223G121	2076252	2076252
311119MYVW	2048800	2048800				311223G131	2076257	2076257
			3112120	20440	20440	311223G141	2076262	2076262
311119P	20489 pt	20489 pt	3112120111	2044011	2044011	311223G151	2076263	2076263
311119P111	2048911	2048911	3112120221	2044015	2044015	311223G161	2076264	2076264
311119P121	2048922	2048922	3112120331	2044017	2044017	311223G171	2076265	2076265
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3114234141	2034325	2034325	3115144241	2023626	2023626	311611T pt	20489 pt	20489 pt
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3118230351	2098005	2098005	311930WYVW	2087000 pt	2087000 pt	311999A151	2099A05	2099A05
3118230361	2098006	2098006	311930WYVW	2087002 pt	2087002 pt	311999A161	2099A06	2099A06
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3119111241	2068033	2068033	3119417331	2035429	2035429	311999G161	2015953	2015953
3119111251	2068035	2068035	3119417441	2035435	2035435	311999G171	2015955	2015955
3119111261	2068037	2068037	3119417YVW	2035400	2035400	311999G181	2015957	2015957
3119111371	2068053	2068053	311941W pt	20350 pt	20350 pt	311999GYVW	2015900	2015900
3119111381	2068055	2068055	311941W pt	20990 pt	20990 pt	311999J	20874 pt	20874 pt
3119111391	2068057	2068057	311941WYVW pt	2035000 pt	2035000 pt	311999J111	2087435	2087435
31191113A1	2068061	2068061	311941WYVW pt	2099000 pt	2099000 pt	311999J121	2087437	2087437
3119111YVW	2068000 pt	2068000 pt	311941WYVW pt	2035002 pt	2035002 pt	311999JYVW	2087400 pt	2087400 pt
3119114	2099F	2099F	311941WYVW pt	2099002 pt	2099002 pt	311999M pt	20324 pt	20324 pt
3119114111	2099F44	2099F44	3119421 pt	2099E	2099E	311999M101	2099G pt	2099G pt
3119114121	2099F46	2099F46	3119421 pt	28991 pt	28991 pt	311999M111	2032495	2032495 pt
3119114YVW	2099F00	2099F00	3119421111	2899121	2899100 pt	311999M121	2099G11	2099G11
311911W pt	20990 pt	20990 pt	3119421121	2099E31	2099E31	311999M131	2099G25	2099G25
311911WYVW pt	2068000 pt	2068000 pt	3119421131	2099E33	2099E33	311999M141	2099G41	2099G41
311911WYVW pt	2099000 pt	2099000 pt	3119421241	2099E38	2099E38	311999M151	2099G51	2099G51
311911WYVW pt	2068002	2068002	3119421351	2099E39	2099E39	311999M161	2099G85	2099G85
311911WYVW pt	2099002 pt	2099002 pt	3119421YVW pt	2099E00	2099E00	311999M171	2099G91	2099G91
3119191	20961	20961	3119421YVW pt	2899100 pt	2899100 pt	311999M181	2099G98	2099G98 pt
3119191100	2096100	2096100	3119424 pt	20871	20871	311999MYVW pt	2032400 pt	2032400 pt
3119194	20962	20962	3119424 pt	20952 pt	20952 pt	311999MYVW pt	2099G00 pt	2099G00 pt
3119194111	2096219	2096221 pt	3119424111	2087111	2087111	311999W pt	20150 pt	20150 pt
3119194221	2096225	2096221 pt	3119424121	2087115	2087115	311999W pt	20320 pt	20320 pt
3119194331	2096229	2096229	3119424131	2087153	2087153	311999W pt	20870 pt	20870 pt
3119194YVW	2096200	2096200	3119424141	2095231	2095200 pt	311999W pt	20990 pt	20990 pt
3119197 pt	20521 pt	20521 pt	3119424YVW pt	2087100	2087100	311999WYVW pt	2015000 pt	2015000 pt
3119197 pt	20963	20963	3119424YVW pt	2095200 pt	2095200 pt	311999WYVW pt	2032000 pt	2032000 pt
3119197111	2052155	2052151 pt	3119427	2099B pt	2099B pt	311999WYVW pt	2087000 pt	2087000 pt
3119197221	2096300 pt	2096300 pt	3119427111	2099B01	2099B01	311999WYVW pt	2099000 pt	2099000 pt
3119197YVW pt	2052100 pt	2052100 pt	3119427121	2099B03	2099B03	311999WYVW pt	2015002 pt	2015002 pt
3119197YVW pt	2096300 pt	2096300 pt	3119427131	2099B07	2099B07	311999WYVW pt	2032002 pt	2032002 pt
311919W pt	20520 pt	20520 pt	3119427241	2099B05	2099B05	311999WYVW pt	2087002 pt	2087002 pt
311919W pt	20960	20960	3119427251	2099B09	2099B09	311999WYVW pt	2099002 pt	2099002 pt
311919WYVW pt	2052000 pt	2052000 pt	3119427YVW	2099B00 pt	2099B00 pt	3121111	20863	20863
311919WYVW pt	2096000	2096000	311942W pt	20870 pt	20870 pt	3121111111	2086310	2086310
311919WYVW pt	2052002 pt	2052002 pt	311942W pt	20950 pt	20950 pt	3121111121	2086311	2086311
311919WYVW pt	2096002	2096002	311942W pt	20990 pt	20990 pt	31211111231	2086312	2086312
3119201	20951	20951	311942W pt	28990 pt	28990 pt	31211111241	2086313	2086313
3119201111	2095111	2095111	311942WYVW pt	2087000 pt	2087000 pt	31211111251	2086314	2086314
3119201211	2095115	2095115	311942WYVW pt	2095000 pt	2095000 pt	31211111261	2086315	2086315
3119201331	2095121	2095121	311942WYVW pt	2099000 pt	2099000 pt	31211111271	2086316	2086316
3119201YVW	2095100	2095100	311942WYVW pt	2899000 pt	2899000 pt	31211111281	2086317	2086317
3119204 pt	20432 pt	20432 pt	311942WYVW pt	2087002 pt	2087002 pt	31211111291	2086318	2086318
3119204 pt	20952 pt	20952 pt	311942WYVW pt	2095002 pt	2095002 pt	312111113A1	2086340	2086320
3119204111	2095211	2095200 pt	311942WYVW pt	2099002 pt	2099002 pt	312111114B1	2086341	2086321
3119204121	2043211	2043209 pt	311942WYVW pt	2899000 pt	2899000 pt	312111114C1	2086342	2086322
3119204YVW pt	2043200 pt	2043200 pt	311942WYVW pt	2095000 pt	2095000 pt	312111114D1	2086343	2086323
3119204YVW pt	2095200 pt	2095200 pt	311942WYVW pt	2087002 pt	2087002 pt	312111114E1	2086344	2086324 pt
3119207	2099D	2099D	311942WYVW pt	2095002 pt	2095002 pt	312111114F1	2086345	2086324 pt
3119207111	2099D82	2099D82	311942WYVW pt	2899002 pt	2899002 pt	312111114G1	2086346	2086325
3119207221	2099D83	2099D83	3119910 pt	20990 pt	20990 pt	312111114H1	2086347	2086326
3119207331	2099D86	2099D86	3119910 pt	20999 pt	20999 pt	312111114J1	2086348	2086327
3119207YVW	2099D00	2099D00	3119910111	2099921	2099921	312111114K1	2086349	2086328
311920W pt	20430 pt	20430 pt	3119910121	2099931	2099931	31211111511	2086350	2086330
311920W pt	20950 pt	20950 pt	3119910331	2099935	2099935	312111116L1	2086351	2086331
311920W pt	20990 pt	20990 pt	3119910441	2099945	2099945	312111116M1	2086352	2086332
311920WYVW pt	2043000 pt	2043000 pt	3119910551	2099953	2099953	312111116N1	2086353	2086333
311920WYVW pt	2095000 pt	2095000 pt	3119910561	2099955	2099955	312111116P1	2086354	2086334 pt
311920WYVW pt	2099000 pt	2099000 pt	3119910671	2099958	2099958	312111116Q1	2086355	2086334 pt
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311920WYVW pt	2095002 pt	2095002 pt	3119910YVW pt	2099000 pt	2099000 pt	312111116T1	2086357	2086336
311920WYVW pt	2099002 pt	2099002 pt	3119910YVW pt	2099000 pt	2099000 pt	312111116U1	2086358	2086337
3119301	20872	20872	3119910YVW pt	2099002 pt	2099002 pt	312111116V1	2086359	2086338
3119301111	2087215	2087215	3119911	20991	20991	3121111YVW	2086300	2086300
3119301121	2087221	2087221	3119911111	2099113	2099113	3121114	20864	20864
3119301YVW	2087200	2087200	3119911121	2099115	2099115	3121114100	2086400	2086400
			3119911131	2099153	2099153	3121114111	2086411	2086411
			3119911141	2099155	2099155	3121114121	2086412	2086412</

1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published
3121114181	2086425	2086417	312140W	20850	20850	3131130 pt.....	22840 pt	22840 pt
3121114191	2086426	2086418 pt	312140WYWW	2085000	2085000	3131130 pt.....	22990 pt	22990 pt
31211141A1	2086427	2086418 pt	312140WYWY	2085002	2085002	3131130 pt.....	22996 pt	22996 pt
3121117	20865	20865	3122101	21411	21411	313113011	228403 pt	228403 pt
3121117111	2086501	2086501	3122101100	2141100	2141100	3131130121	228404 pt	228404 pt
3121117121	2086502	2086502	3122104	21412	21412	3131130131 pt	228405 pt	228405 pt
3121117YVW	2086500	2086500	3122104111	2141211	2141211	3131130141 pt	228406 pt	228406 pt
312111A	20866 pt	20866 pt	3122104121	2141215	2141215	3131130141 pt	228407 pt	228407 pt
312111A111	2086601	2086601	3122104131	2141227	2141227	3131130151 pt	228408 pt	228408 pt
312111A221	2086602	2086602	3122104YVW	2141200	2141200	3131130151 pt	228409 pt	228409 pt
312111A331	2086603	2086603	312210W	21410 pt	21410 pt	3131130161 pt	228410 pt	228410 pt
312111A341	2086604	2086604	312210WYWW	2141000 pt	2141000 pt	3131130161 pt	228411 pt	228411 pt
312111A351	2086605	2086605	312210WYWY	2141002 pt	2141002 pt	3131130171	228412 pt	228412 pt
312111A361	2086606	2086606	3122210	21110	21110	3131130181	228413 pt	228413 pt
312111A371	2086607	2086607	3122210111	2111013	2111013	3131130191	228414 pt	228414 pt
312111A381	2086610	2086608 pt	3122210121	2111016	2111016	31311301A1	228415 pt	228415 pt
312111A391	2086614	2086608 pt	3122210131	2111018	2111018	31311301C1	228416 pt	228416 pt
312111AYVW	2086600 pt	2086600 pt	3122210141	2111055	2111055	31311301D1	228417 pt	228417 pt
312111W	20860 pt	20860 pt	3122210YVW	2111000	2111000	3131130YVW pt	228418 pt	228418 pt
312111WYWW	2086000 pt	2086000 pt	3122210YVY	2111002	2111002	3131130YVW pt	228419 pt	228419 pt
312111WYVY	2086002 pt	2086002 pt	3122291	21210 pt	21210 pt	3131130YVW pt	228420 pt	228420 pt
3121120 pt.....	20860 pt	20860 pt	3122291111	2121013	2121013	3131130YVW pt	228421 pt	228421 pt
3121120 pt.....	20866 pt	20866 pt	3122291121	2121021	2121021	3131130YVW pt	228422 pt	228422 pt
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3121120121	2086626	2086608 pt	3122291YVW	2121000 pt	2121000 pt	3131130YVW pt	228424 pt	228424 pt
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3121130	20970	20970	3122294231	2131015	2131015	3131130YVW pt	228428 pt	228428 pt
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3121130YVW	2097000	2097000	3122297	21413	21413	3131130YVW pt	228431 pt	228431 pt
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3121201111	2082101	2082101	312229W pt	21310 pt	21310 pt	3131130YVW pt	228434 pt	228434 pt
3121201221	2082102	2082102	312229W pt	21410 pt	21410 pt	3131130YVW pt	228435 pt	228435 pt
3121201231	2082103	2082103	312229WYVW pt	2121000 pt	2121000 pt	3131130YVW pt	228436 pt	228436 pt
3121201YVW	2082100	2082100	312229WYVW pt	2131000 pt	2131000 pt	3131130YVW pt	228437 pt	228437 pt
3121204	20822	20822	312229WYVW pt	2131000 pt	2131000 pt	3131130YVW pt	228438 pt	228438 pt
3121204111	2082222	2082222	312229WYVW pt	2131000 pt	2131000 pt	3131130YVW pt	228439 pt	228439 pt
3121204121	2082224	2082224	312229WYVW pt	2121002	2121002	3131130YVW pt	228440 pt	228440 pt
3121204131	2082227	2082227	312229WYVW pt	2131002	2131002	3131130YVW pt	228441 pt	228441 pt
3121204141	2082228	2082228	312229WYVW pt	2141002 pt	2141002 pt	3131130YVW pt	228442 pt	228442 pt
3121204251	2082232	2082232	3131111	22811	22811	3131130YVW pt	228443 pt	228443 pt
3121204261	2082234	2082234	3131111111	2281110	2281110	3131130YVW pt	228444 pt	228444 pt
3121204271	2082237	2082237	3131111121	2281187	2281187	3131130YVW pt	228445 pt	228445 pt
3121204281	2082238	2082238	3131111YVW	2281100	2281100	3131130YVW pt	228446 pt	228446 pt
3121204291	2082241	2082241	3131113	22812	22812	3131130YVW pt	228447 pt	228447 pt
3121204YVW	2082200	2082200	3131113111	2281210	2281210	3131130YVW pt	228448 pt	228448 pt
3121207	20823	20823	3131113121	2281215	2281215	3131130YVW pt	228449 pt	228449 pt
3121207111	2082364	2082364	3131113YVW	2281200	2281200	3131130YVW pt	228450 pt	228450 pt
3121207121	2082365	2082365	3131115	22813	22813	3131130YVW pt	228451 pt	228451 pt
3121207YVW	2082300	2082300	3131115111	2281310	2281310	3131130YVW pt	228452 pt	228452 pt
312120A	20824	20824	3131115121	2281343	2281343	3131130YVW pt	228453 pt	228453 pt
312120A111	2082411	2082411	3131115YVW	2281300	2281300	3131130YVW pt	228454 pt	228454 pt
312120A121	2082451	2082451	3131117	22814	22814	3131130YVW pt	228455 pt	228455 pt
312120A131	2082493	2082493	3131117111	2281420	2281420	3131130YVW pt	228456 pt	228456 pt
312120A141	2082495	2082495	3131117121	2281441	2281441	3131130YVW pt	228457 pt	228457 pt
312120A151	2082499	2082499	3131117231	2281480	2281480	3131130YVW pt	228458 pt	228458 pt
312120AYVW	2082400	2082400	3131117441	2281481	2281481	3131130YVW pt	228459 pt	228459 pt
312120W	20820	20820	3131117YVW	2281400	2281400	3131130YVW pt	228460 pt	228460 pt
312120WYVW	2082000	2082000	3131119	22815	22815	3131130YVW pt	228461 pt	228461 pt
312120WYVY	2082002	2082002	3131119111	2281510	2281510	3131130YVW pt	228462 pt	228462 pt
3121300	20840	20840	3131119121	2281520	2281520	3131130YVW pt	228463 pt	228463 pt
3121300111	2084012	2084012	3131119YVW	2281500	2281500	3131130YVW pt	228464 pt	228464 pt
3121300221	2084014	2084014	313111A	22996 pt	22996 pt	3131130YVW pt	228465 pt	228465 pt
3121300331	2084016	2084016	313111A111	2299602	2299601 pt	3131130YVW pt	228466 pt	228466 pt
3121300441	2084019	2084019	313111A121	2299606	2299603 pt	3131130YVW pt	228467 pt	228467 pt
3121300551	2084025	2084025	313111AYVW	2299600 pt	2299600 pt	3131130YVW pt	228468 pt	228468 pt
3121300661	2084031	2084031	313111C	22996 pt	22996 pt	3131130YVW pt	228469 pt	228469 pt
3121300771	2084045	2084045	313111C111	2299610	2299610	3131130YVW pt	228470 pt	228470 pt
3121300881	2084041	2084041	313111C121	2299611	2299611	3131130YVW pt	228471 pt	228471 pt
3121300891	2084046	2084046	313111CYVW	2299600 pt	2299600 pt	3131130YVW pt	228472 pt	228472 pt
31213008A1	2084010	2084010	313111W pt	22810	22810	3131130YVW pt	228473 pt	228473 pt
31213008B1	2084065	2084065	313111W pt	22990 pt	22990 pt	3131130YVW pt	228474 pt	228474 pt
31213008C1	2084081	2084081	313111WYVW pt	2281000	2281000	3131130YVW pt	228475 pt	228475 pt
31213009D1	2084085	2084085	313111WYVW pt	2299000 pt	2299000 pt	3131130YVW pt	228476 pt	228476 pt
3121300YVW	2084000	2084000	313111WYVW pt	2281002	2281002	3131130YVW pt	228477 pt	228477 pt
3121300YVY	2084002	2084002	313111WYVY pt	2299002 pt	2299002 pt	3131130YVW pt	228478 pt	228478 pt
3121401	20851	20851	31311121	22822 pt	22822 pt	3131130YVW pt	228479 pt	228479 pt
3121401111	2085115	2085115	3131112111	2282223 pt	2282223 pt	3131130YVW pt	228480 pt	228480 pt
3121401221	2085131	2085131	3131112121	2282231	2282231	3131130YVW pt	228481 pt	228481 pt
3121401231	2085143	2085143	3131121YVW	2282200 pt	2282200 pt	3131130YVW pt	228482 pt	228482 pt
3121401241	2085148	2085148	3131123	22823	22823	3131130YVW pt	228483 pt	228483 pt
3121401351	2085165	2085165	3131123111	2282311	2282311	3131130YVW pt	228484 pt	228484 pt
3121401YVW	2085100	2085100	3131123221	2282313	2282313	3131130YVW pt	228485 pt	228485 pt
3121404	20853	20853	3131123231	2282315	2282315	3131130YVW pt	228486 pt	228486 pt
3121404111	2085311	2085311	3131123YVW	2282300	2282300	3131130YVW pt	228487 pt	228487 pt
3121404221	2085313	2085313	3131125	22825	22825	3131130YVW pt	228488 pt	228488 pt
3121404331	2085316	2085316	3131125100	2282500	2282500	3131130YVW pt	228489 pt	228489 pt
3121404441	2085318	2085318	3131127	22829 pt	22829 pt	3131130YVW pt	228490 pt	228490 pt
3121404551	2085322	2085322	3131127100 pt	2282900 pt	2282900 pt	3131130YVW pt	228491 pt	228491 pt
3121404661	2085325	2085325	3131127100 pt	2282911	2282911	3131130YVW pt	228492 pt	228492 pt
3121404771	2085327	2085327	313112W	22820 pt	22820 pt	3131130YVW pt	228493 pt	228493 pt
3121404881	2085331	2085331	313112WYVW	2282000 pt	2282000 pt	3131130YVW pt	228494 pt	228494 pt
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1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published
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313210R111 pt	2221M06 pt	2221M01 pt	313230WYWW pt	2297000	2297000	31331158B1 pt	5131825	5131000 pt
313210R111 pt	2221M06 pt	2221M03 pt	313230WYWW pt	2299000 pt	2299000 pt	31331158D1 pt	2262829	2262829
313210R121 pt	2221M08 pt	2221M01 pt	313230WYWW pt	2297002	2297002	31331158D1 pt	5131829	5131000 pt
313210R121 pt	2221M08 pt	2221M03 pt	313230WYWW pt	2299002 pt	2299002 pt	31331158F1 pt	2262831	2262831
313210R131 pt	2221M11 pt	2221M01 pt	3132411	22571	22571	31331158F1 pt	5131831	5131000 pt
313210R131 pt	2221M11 pt	2221M03 pt	3132411111	2257110	2257110	3133115YVW pt	2262800	2262800
313210R141 pt	2221M16 pt	2221M01 pt	3132411121	2257120	2257120	3133115YVW pt	5131800	5131000 pt
313210R141 pt	2221M16 pt	2221M03 pt	3132411YVW	2257100	2257100			
313210RYVW	2221M00	2221M00				3133117	22629	22629
313210T	22312	22312	3132413	22573 pt	22573 pt	3133117111	2262901	2262901
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			3132413121	2257320	2257320	3133117231	2262905	2262905
313210U	22316 pt	22316 pt	3132413YVW	2257300 pt	2257300 pt	3133117241 pt	2262912 pt	2262907
313210U100 pt	2231611	2231600 pt				3133117241 pt	2262912 pt	2262911
313210U100 pt	2231600 pt	2231600 pt	3132415	22579 pt	22579 pt	3133117251	2262913	2262913
			3132415111	2257915	2257915	3133117261 pt	2262918 pt	2262915
313210V	22319	22319	3132415121	2257917	2257917	3133117261 pt	2262918 pt	2262919
313210V100 pt	2231900 pt	2231900	3132415YVW	2257900	2257900	3133117271	2262923	2262923
313210V100 pt	2231900 pt	2231901	3132415YVW	2257902	2257902	3133117381	2262927	2262927
313210V100 pt	2231900 pt	2231903				3133117491	2262925	2262925
			313241W	22570 pt	22570 pt	31331175B1	2262929	2262929
313210W pt	22110	22110	313241WYVW	2257000 pt	2257000 pt	31331175D1	2262931	2262931
313210W pt	22210	22210	313241WYVW	2257002 pt	2257002 pt	3133117YVW	2262900	2262900
313210W pt	22310 pt	22310 pt						
			3132491	22581	22581	3133119 pt	22316 pt	22316 pt
313210W pt	22990 pt	22990 pt	3132491111	2258110	2258110			
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313210WYVW pt	2221000	2221000	3132491YVW	2258100	2258100	3133119100 pt	2231600 pt	2231600 pt
313210WYVW pt	2231000 pt	2231000 pt				3133119100 pt	2231700 pt	2231700 pt
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313210WYVW pt	2211002	2211002	3132493121	2258420	2258420	3133119100 pt	2231792	2231792
313210WYVW pt	2221002	2221002	3132493YVW	2258400 pt	2258400 pt			
313210WYVW pt	2231002 pt	2231002 pt				313311W pt	22610	22610
313210WYVW pt	2299002 pt	2299002 pt	3132495	22585	22585	313311W pt	22620	22620
			3132495100	2258500	2258500			
3132211 pt	22411	22411						
			3132497	22589 pt	22589 pt	313311W pt	51310	51310 pt
3132211 pt	22996 pt	22996 pt	3132497111	2258913	2258913	313311WYVW pt	2231000 pt	2231000 pt
3132211111 pt	2241104 pt	2241103	3132497121	2258917	2258917	313311WYVW pt	2261000	2261000
3132211111 pt	2241104 pt	2241105	3132497YVW	2258902	2258902	313311WYVW pt	2262000	2262000
3132211121	2241107	2241107	3132497YVW	2258902	2258902	313311WYVW pt	5131000 pt	5131000 pt
3132211231	2241111	2241111				313311WYVW pt	2231002 pt	2231002 pt
3132211241	2241113	2241113	3132499	22590 pt	22590 pt	313311WYVW pt	2261002	2261002
3132211251 pt	2241117 pt	2241114	3132499100	2259050	2259050	313311WYVW pt	2262002	2262002
3132211251 pt	2241117 pt	2241115				313311WYVW pt	5131002 pt	5131000 pt
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3132211YVW pt	2241100	2241100	313249WYVW pt	2258002 pt	2258002 pt			
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3132213	22414	22414	3133111 pt	22617	22617			
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3132213121	2241403	2241403	3133111111 pt	2261701	2261701			
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3132213YVW	2241400	2241400	3133111121 pt	2261703	2261703			
			3133111121 pt	5131703	5131000 pt	3133120 pt	22580 pt	22580 pt
3132215	22415	22415	3133111131 pt	2261705	2261705			
3132215100	2241500	2241500	3133111141 pt	5131705	5131000 pt	3133120 pt	22584 pt	22584 pt
			3133111141 pt	2261707	2261707			
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			3133111151 pt	2261710 pt	2261709			
313221W pt	22990 pt	22990 pt	3133111151 pt	2261710 pt	2261711	3133120 pt	22690	22690
313221WYVW pt	2241000	2241000						
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			3133111171 pt	2261718 pt	2261715			
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3132220YVW	2397000 pt	2397000 pt	3133111181 pt	2261723	2261723	3133120 pt	22840 pt	22840 pt
3132220YVW	2397002	2397002	3133111181 pt	5131723	5131000 pt			
			3133111YVW pt	2261700	2261700	3133120 pt	22990 pt	22990 pt
3132301	22971	22971	3133111YVW pt	5131700	5131000 pt			
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3132301121 pt	2297132 pt	2297131 pt	3133113221	2261903	2261903	3133120111	2269012	2269012
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			31331134B1	2261923	2261923	3133120191	2269042	2269042
3132301141 pt	2297134 pt	2297133 pt	3133113YVW	2261900	2261900			
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3132301151 pt	2297136 pt	2297133 pt	3133115 pt	22628	22628	31331201D1	2269061	2269061
3132301151 pt	2297136 pt	2297135 pt				31331201F1 pt	2269071	2269071
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3132301YVW	2297100	2297100	3133115221 pt	2262803	2262803	31331201J1	2231793	2231793
			3133115231 pt	5131803	5131000 pt	31331201L1 pt	2282221	2282221
3132303	22972	22972	3133115231 pt	2262805	2262805	31331201L1 pt	2284071 pt	2284033 pt
3132303111	2297241	2297241	3133115241 pt	5131805	5131000 pt	31331201L1 pt	2284071 pt	2284033 pt
3132303121	2297203	2297203	3133115241 pt	2262812 pt	2262812	31331201N1 pt	2282951	2282951
3132303131	2297205	2297205	3133115241 pt	2262812 pt	2262811			
3132303141	2297251	2297251	3133115241 pt	5131812	5131000 pt			
3132303251	2297298	2297298	3133115351 pt	2262813	2262813			
3132303YVW	2297200	2297200						
			3133115351 pt	5131813	5131000 pt	31331201P1	2299604	2299604 pt
3132305	22991	22991	3133115461 pt	2262815	2262815	31331202M1	2299603	2299603 pt
3132305111	2299111	2299111	3133115461 pt	5131815	5131000 pt	3133120311	2257340	2257340
3132305221	2299135	2299135	3133115571 pt	2262819	2262819	3133120411	2258440	2258440
3132305331	2299147	22						

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3133120YVW pt	2257000 pt	2257000 pt				3149993131 pt	2299532 pt	2299535
3133120YVW pt	2257300 pt	2257300 pt	3141297	23924 pt	23924 pt	3149993141	2299533	2299533
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3133120YVW pt	2258900 pt	2258900 pt	3141297220	2392414	2392414			
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			31412973J1	2392455	2392455	3149995100	2395200	2395200
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3133120YVW pt	2282200 pt	2282200 pt	31412973L1	2392457	2392457	3149997	23963 pt	23963 pt
3133120YVW pt	2282900 pt	2282900 pt	31412973M1	2392459	2392459	3149997111	2396314	2396312
3133120YVW pt	2284000 pt	2284000 pt	31412974	2392494	2392494	3149997121	2396333	2396333
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3133120YVW pt	2299600 pt	2299600 pt				3149997YVW	2396300	2396300
3133120YVW pt	5131000 pt	5131000 pt	3141297461	2392435	2392435			
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			31412974D1 pt	2392449 pt	2392450	3149999461	2399095	2399095
3133201	22952	22952				3149999481 pt	2399099	2399098 pt
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3133201121	2295215	2295215	31412974E1	2392454	2392454	3149999481 pt	3999995 pt	3999999 pt
3133201131	2295217	2295217	31412974F1	2392463	2392463	3149999YVW pt	2399000 pt	2399000 pt
3133201241	2295222	2295222	31412974H1	2392465	2392465	3149999YVW pt	2399000 pt	2399000 pt
3133201251	2295224	2295224	31412974J1	2392469	2392469	3149999YVW pt	2399000 pt	2399000 pt
3133201261	2295226	2295226	31412974K1	2392499	2392499	3149999YVW pt	2399002 pt	2399002 pt
3133201371	2295232	2295232	3141297YVW	2392400 pt	2392400 pt			
3133201381	2295234	2295234				314999W pt	22990 pt	22990 pt
3133201391	2295236	2295236	314129W	23920 pt	23920 pt	314999W pt	23950 pt	23950 pt
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			314129WYVW	2392002 pt	2392002 pt			
3133203	3069D pt	3069D pt	3149110 pt	23920 pt	23920 pt	314999W pt	39990 pt	39990 pt
3133203111	3069D15	3069D15				314999WYVW pt	2299000 pt	2299000 pt
3133203121	3069D18	3069D18	3149110 pt	23924 pt	23924 pt	314999WYVW pt	2395000 pt	2395000 pt
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3133205	22953	22953	3149110111	2393012	2393012	314999WYVW pt	2299002 pt	2299002 pt
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3133205231 pt	2295319 pt	2295317 pt	3149110231	2392481	2392481	314999WYVW pt	3999002 pt	3999002 pt
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3133205241 pt	2295358 pt	2295317 pt	3149110271	2393099	2393095 pt	3151111 pt	22525 pt	22525 pt
3133205241 pt	2295358 pt	2295338 pt	3149110281	2393094	2393095 pt	3151111111	225147	225147
3133205241 pt	2295358 pt	2295348 pt	3149110291	2393096	2393096	3151111121	2252513	2252513
3133205251	2295321	2295317 pt	31491102A1 pt	2393098 pt	2393018	3151111131	2251413	2251413
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3133205YVW	2295300	2295300	3149110YVW pt	2392400 pt	2392400 pt	3151111YVW pt	2251400	2251400
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313320W pt	22950	22950	3149110YVW pt	2392002 pt	2392002 pt			
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313320WYVW pt	2295000	2295000	3149120	23940	23940	3151113111	2251612	2251612
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3141101	22731	22731	3149120551	2394055	2394055	3151113391	2251620	2251619
3141101000	2273100	2273100	3149120661	2394061	2394061	3151113YVW	2251600	2251600
			3149120671	2394064	2394064			
3141103	22732	22732	3149120YVW	2394000	2394000	3151115	22518	22518
3141103110	2273220	2273220	3149120YVW	2394002	2394002	3151115121	2251814	2251814
3141103220	2273240	2273240				3151115131	2251817	2251817
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			31491105000	2298111	2298111			
3141105	22733	22733	3149111121	2298135	2298135	315111W pt	22510	22510
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314110W	22730	22730	3149913	22982	22982	315111WYVW pt	2252000 pt	2252000 pt
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314110WYVW	2273002	2273002	3149913121	2298202	2298202	315111WYVW pt	2252002 pt	2252002 pt
3141210 pt	23910	23910	3149913131	2298203	2298203			
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3141210111	2391010	2391010	3149913251	2298208	2298208	3151191111	2252223	2252223
3141210221	2391012	2391012	3149913361	2298214	2298214	3151191221	2252225	2252225
3141210231	2391019	2391019	3149913471	2298219	2298219	3151191331	2252233	2252233
3141210241	2391023	2391023	3149913581	2298228	2298228	3151191441	2252235	2252235
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3141210361	2391052	2391052				3151191561	2252245	2252245
3141210371	2391059	2391059	3149915	22983	22983	3151191591	2252287	2252287
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3141291	23921	23921	314991YVW	2298002	2298002	3151193261	2252533	2252531
3141291010	2392111	2392111				3151193371	2252551	2252551
3141291020	2392114	2392114	3149920	22960	22960	3151193381	2252557	2252557
3141291030	2392116	2392116	3149920100	2296000 pt	2296000 pt	3151193391	2252561	2252561
3141291040	2392120	2392120	3149920YVW	2296000 pt	2296000 pt	31511933B1	2252588</	

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3151911	22534	22534	315211W pt	23950 pt	23950 pt	315212WYWW pt	2339000 pt	2339000 pt
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3151915	22536	22536	315211WYWW pt	2329000 pt	2329000 pt	315212WYWW pt	2385000 pt	2385000 pt
3151915100	2253600	2253600	315211WYWW pt	2341000 pt	2341000 pt			
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3151917	2253A	2253A	315211WYWW pt	2385000 pt	2385000 pt	315212WYWW pt	2395000 pt	2395000 pt
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						315212WYWW pt	2331902	2331902
3151919	2253B	2253B				315212WYWW pt	2335002 pt	2335002 pt
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315191A	2253C	2253C	315211WYWW pt	2311902	2311902	315212WYWW pt	2337002 pt	2337002 pt
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315191C110	2253D01	2253D01	315211WYWW pt	2325002 pt	2325002 pt			
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315191C130	2253D09	2253D09	315211WYWW pt	2326002 pt	2326002 pt	315212WYWW pt	2341902	2341902
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			315211WYWW pt	2341002 pt	2341002 pt	315212WYWW pt	2384002 pt	2384002 pt
315191G	22590 pt	22590 pt	315211WYWW pt	2344002 pt	2344002 pt	315212WYWW pt	2385002 pt	2385002 pt
315191G100	2259020	2259020	315211WYWW pt	2385002 pt	2385002 pt	315212WYWW pt	2389002 pt	2389002 pt
			315211WYWW pt ...	2395002 pt	2395002 pt	315212WYWW pt	2395002 pt	2395002 pt
315191W pt	22530	22530						
315191W pt	22590 pt	22590 pt	3152121	23319 pt	23319 pt	3152211 pt	23221	23221
315191WYWW pt	2253000	2253000	3152121100	2331900	2331900	3152211 pt	23412 pt	23412 pt
315191WYWW pt	2259000 pt	2259000 pt				3152211010	2322100 pt	2322100 pt
315191WYWW pt	2253002	2253002	3152123 pt	23359 pt	23359 pt	3152211020	2341203	2341200 pt
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			3152123 pt	23619 pt	23619 pt	3152211YWV pt	2341200 pt	2341200 pt
3151921	22541	22541	3152123 pt	2361900	2361900			
3151921110	2254111	2254111	3152125	23379 pt	23379 pt	3152213 pt	23222	23222
3151921120	2254113	2254113	3152125100	2337900	2337900	3152213 pt	23413 pt	23413 pt
3151921YVW	2254100	2254100				3152213010	2322200 pt	2322200 pt
			3152127 pt	23399 pt	23399 pt	3152213020	2341303	2341300 pt
3151923	22544	22544	3152127 pt	23699 pt	23699 pt	3152213YVW pt	2322200 pt	2322200 pt
3151923110	2254411	2254411	3152127 pt	2369900	2369900	3152213YVW pt	2341300 pt	2341300 pt
3151923120	2254413	2254413	3152129	23419 pt	23419 pt			
3151923YVW	2254400	2254400	3152129100 pt	2341903	2341903 pt	3152215 pt	23693 pt	23693 pt
			3152129100 pt	2341900 pt	2341900 pt	3152215 pt	23840 pt	23840 pt
3151927	22590 pt	22590 pt	315212B	23429	23429	3152215000 pt	2369382	2369380 pt
3151927110	2259030	2259030	315212B100	2342900	2342900	3152215000 pt	2384011	2384011
3151927120	2259040	2259040	315212D	23849 pt	23849 pt			
3151927YVW	2259000 pt	2259000 pt	315212D100 pt	2384995	2384995 pt	315221W pt	23220 pt	23220 pt
			315212D100 pt	2384900 pt	2384900 pt	315221W pt	23410 pt	23410 pt
315192W pt	22540	22540				315221W pt	23690 pt	23690 pt
315192W pt	22590 pt	22590 pt	315212F	23859 pt	23859 pt	315221W pt	23840 pt	23840 pt
315192WYWW pt	2254000	2254000	315212F100 pt	2385920	2385900 pt	315221WYWW pt	2322000 pt	2322000 pt
315192WYWW pt	2259000 pt	2259000 pt	315212F100 pt	2385900 pt	2385900 pt	315221WYWW pt	2341000 pt	2341000 pt
315192WYWW pt	2254002	2254002				315221WYWW pt	2369000 pt	2369000 pt
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3152111	23119 pt	23119 pt	315212H100 pt	2395994	2395833	315221WYWW pt	2341002 pt	2341002 pt
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			315212J	23899	23899 pt	315221WYWW pt	2384002 pt	2384002 pt
3152113	23219 pt	23219 pt	315212J100 pt	2389993	2389993 pt			
3152113100	2321900	2321900	315212J100 pt	2389900	2389900 pt	3152221 pt	23115	23115
						3152221 pt	23692 pt	23692 pt
3152115 pt	23229	23229	315212W pt	23310 pt	23310 pt	3152221010	2311500	2311500
3152115 pt	23419 pt	23419 pt	315212W pt	23319 pt	23319 pt	3152221020	2369202	2369200 pt
3152115100 pt	2322900	2322900	315212W pt	23350 pt	23350 pt	3152221YVW	2369200 pt	2369200 pt
3152115100 pt	2341901	2341900 pt						
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			315212W pt	23379 pt	23379 pt	3152223000	2311600	2311600
3152117	23259 pt	23259 pt	315212W pt	23350 pt	23350 pt			
3152117100	2325900	2325900	315212W pt	23359 pt	23359 pt	3152225	23117	23117
						3152225000	2311700	2311700
3152119	23269 pt	23269 pt	315212W pt	23370 pt	23370 pt			
3152119100	2326900	2326900	315212W pt	23379 pt	23379 pt	3152227	23851 pt	23851 pt
						3152227000 pt	2385100 pt	2385100 pt
315211B	23299 pt	23299 pt	315212W pt	23390 pt	23390 pt	3152227000 pt	2385141	2385140 pt
315211B100	2329900	2329900	315212W pt	23399 pt	23399 pt			
						315222W pt	23690 pt	23690 pt
315211D	23849 pt	93000 pt	315212W pt	23410 pt	23410 pt	315222W pt	23850 pt	23850 pt
315211D100 pt	2384994	9300000 pt	315212W pt	23419 pt	23419 pt	315222WYWW pt	2311000 pt	2311000 pt
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						315222WYWW pt	2385000 pt	2385000 pt
315211F	23859 pt	23859 pt	315212W pt	23619 pt	23619 pt	315222WYWW pt	2311002 pt	2311002 pt
315211F100 pt	2385910	2385900 pt	315212W pt	23690 pt	23690 pt	315222WYWW pt	2369002 pt	2369002 pt
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315211H	23959 pt	23958 pt	315212W pt	23840 pt	23840 pt	3152231 pt	23213	23213
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						3152231020	2361302	2361300 pt
315211W pt	23110 pt	23110 pt	315212W pt	23890 pt	23890 pt	3152231YVW pt	2321300 pt	2321300 pt
315211W pt	23119 pt	23119 pt	315212W pt	23890 pt	23890 pt	3152231YVW pt	2361300 pt	2361300 pt
315211W pt	23210 pt	23210 pt						
315211W pt	23219 pt	23219 pt	315212W pt	23690 pt	23690 pt	3152233 pt	23216	23216
315211W pt	23220 pt	23220 pt	315212W pt	23699 pt	23699 pt			
315211W pt	23250 pt	23250 pt	315212W pt	23840 pt	23840 pt	3152233 pt	23614 pt	23614 pt
315211W pt	23259 pt	23259 pt	315212W pt	23850 pt	23850 pt	3152233010	2321600 pt	2321600 pt
315211W pt	23260 pt	23260 pt	315212W pt	23890 pt	23890 pt	3152233020	2361402	2361400 pt
315211W pt	23269 pt	23269 pt				3152233YVW pt	2321600 pt	2321600 pt
315211W pt	23290 pt	23290 pt	315212W pt	23850 pt	23850 pt	3152233YVW pt	2361400 pt	2361400 pt
315211W pt	23299 pt	23299 pt						
315211W pt	23410 pt	23410 pt	315212W pt	23890 pt	23890 pt			

1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published
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315223WYWW pt...	2321002 pt.....	2321002 pt.....	3152323YVW pt...	2331400 pt.....	2331400 pt.....	3152910110.....	2341204.....	2341200 pt.....
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315228WYVW pt...	2385000 pt.....	2385000 pt.....	315234WYVW pt...	2369000 pt.....	2369000 pt.....	3152993100.....	2339720.....	2339720.....
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3152313020.....	2341302.....	2341300 pt.....	3152395 pt.....	23693 pt.....	23693 pt.....	315299WYVW pt...	2339000 pt.....	2339000 pt.....
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315231WYVW pt...	2384000 pt.....	2384000 pt.....	315239WYVW pt...	2385002 pt.....	2385002 pt.....	315991WYVW.....	2353000.....	2353000.....
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315231WYVW pt...	2341002 pt.....	2341002 pt.....	3152910 pt.....	23412 pt.....	23412 pt.....	3159921.....	23813.....	23813.....
315231WYVW pt...	2342002 pt.....	2342002 pt.....	3152910 pt.....	23413 pt.....	23413 pt.....	3159921000.....	2381300.....	2381300.....
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315231WYVW pt...	2384002 pt.....	2384002 pt.....	3152910 pt.....	23610 pt.....	23610 pt.....	3159923000.....	2381400.....	2381400.....
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3152321010.....	2331300.....	2331300.....	3152910 pt.....	23615 pt.....	23615 pt.....	315992W pt.....	31510 pt.....	31510 pt.....
3152321120.....	2361301.....	2361300 pt.....	3152910 pt.....	23615 pt.....	23615 pt.....	315992WYVW pt...	2381000.....	2381000.....
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						315992WYVW pt...	3151002.....	3151002.....

1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published
3159930	23230	23230	3162114	30215	30215	316999W pt	31990 pt	31990 pt
3159930111	2323021	2323021	3162114110	3021501	3021500 pt	316999WYWW pt	3131000 pt	3131000 pt
3159930121	2323027	2323027	3162114210	3021502	3021500 pt	316999WYWW pt	3199000 pt	3199000 pt
3159930231	2323028	2323028	3162114YVW	3021500	3021500 pt	316999WYVY pt	3131002 pt	3131002 pt
3159930241	2323049	2323049				316999WYVY pt	3199002	3199002
3159930YVW	2323000	2323000	316211W	30210	30210			
3159930YVY	2323002	2323002	316211WYVW	3021000	3021000	3211131	24211 pt	24211 pt
			316211WYVY	3021002	3021002	3211131111	2421111	2421161 pt
3159991	23397 pt	23397 pt				3211131121	2421115	2421163 pt
3159991100	2339770	2339770	3162120	31420	31420	3211131131	2421121	2421165 pt
			3162120010	3142060	3142060	3211131141	2421125	2421177 pt
3159993	23851 pt	23851 pt	3162120121	3142071	3142071	3211131YVW	2421100 pt	2421100 pt
3159993100	2385190	2385198 pt	3162120YVW	3142000	3142000			
			3162120YVY	3142002	3142002	3211133	24212 pt	24212 pt
3159995	23871	23871				3211133111	2421241	2421212 pt
3159995111	2387113	2387113				3211133121	2421244	2421213 pt
3159995121	2387115	2387115	3162130	31430	31430	3211133131	2421247	2421215 pt
3159995131	2387153	2387153	3162130000	3143000 pt	3143000 pt	3211133241	2421251	2421233 pt
3159995141	2387155	2387155	3162130YVW	3143000 pt	3143000 pt	3211133351	2421254	2421235 pt
3159995YVW	2387100	2387100	3162130YVY	3143002	3143002	3211133461	2421257	2421237 pt
						3211133YVW	2421200 pt	2421200 pt
3159997	23872	23872	3162140	31440	31440			
3159997111	2387213	2387213	3162140000	3144000 pt	3144000 pt	3211135	24215	24215
3159997121	2387215	2387215	3162140YVW	3144000 pt	3144000 pt	3211135111	2421516	2421516
3159997131	2387253	2387253	3162140YVY	3144002	3144002	3211135121	2421522	2421522
3159997141	2387255	2387255				3211135231	2421518	2421518
3159997YVW	2387200	2387200	3162190	31490	31490	3211135241	2421524	2421524
			3162190010	3149010	3149010	3211135YVW	2421500	2421500
315999A	23890 pt	23890 pt	3162190020	3149020	3149020			
315999A111	2389045	2389031 pt	3162190YVW	3149000	3149000	3211137 pt	24218 pt	24218 pt
315999A221	2389053	2389053	3162190YVY	3149002	3149002	3211137 pt	24219 pt	24219 pt
315999A231	2389057	2389057						
315999AYVW	2389000 pt	2389000 pt	3169910	31610	31610	3211137 pt	24290 pt	24290 pt
			3169910111	3161022	3161001 pt	3211137111	2421817	2421817
315999C pt	23961	23961	3169910121	3161006	3161003 pt	3211137121	2421813	2421813
			3169910131	3161010	3161005 pt	3211137131 pt	2429011 pt	2429004
315999C pt	23990 pt	23990 pt	3169910141	3161014	3161007 pt	3211137131 pt	2429011 pt	2429007
315999C111 pt	2396111	2396111	3169910145 pt	3161097 pt	3161081 pt	3211137131 pt	2429011 pt	2429009
315999C111 pt	2399091	2399098 pt	3169910145 pt	3161097 pt	3161086 pt	3211137141	2421911	2421911
315999C121	2396153	2396153	3169910146 pt	3161093 pt	3161053 pt	3211137YVW pt	2421800 pt	2421800 pt
315999CYVW pt	2396100	2396100	3169910146 pt	3161093 pt	3161081 pt	3211137YVW pt	2421900 pt	2421900 pt
315999CYVW pt	2399000 pt	2399000 pt	3169910146 pt	3161093 pt	3161086 pt			
			3169910147 pt	3161095 pt	3161081 pt	321113W pt	24210 pt	24210 pt
315999E	23963 pt	23963 pt				321113W pt	24290 pt	24290 pt
315999E100	2396313	2396311	3169910147 pt	3161095 pt	3161086 pt			
						321113W pt	24390 pt	24390 pt
315999G	56990 pt	56990 pt	3169910148 pt	3161099 pt	3161053 pt	321113WYVW pt	2421000 pt	2421000 pt
315999G100 pt	5699010	5699000 pt	3169910148 pt	3161099 pt	3161063	321113WYVW pt	2429000 pt	2429000 pt
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315999W pt	23850 pt	23850 pt	3169910161	3161024	3161001 pt	321113WYVY pt	2429002 pt	2429002 pt
			3169910165	3161051	3161086 pt	321113WYVY pt	2439002 pt	2439002 pt
315999W pt	23870	23870	3169910171	3161028	3161003 pt			
315999W pt	23890 pt	23890 pt	3169910175	3161054	3161086 pt			
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315999W pt	23960 pt	23960 pt	3169910181	3161032	3161005 pt	3211141111	2491201	2491201
315999W pt	23990 pt	23990 pt	3169910185	3161060	3161086 pt	3211141121	2491203	2491203
			3169910191	3161036	3161007 pt	3211141131 pt	2491208 pt	2491205
315999W pt	56990 pt	56990 pt	3169910195	3161064	3161086 pt	3211141131 pt	2491208 pt	2491207
315999WYVW pt	2339000 pt	2339000 pt	31699101A	3161040	3161009 pt	3211141141	2491209	2491209
315999WYVW pt	2385000 pt	2385000 pt	31699101A5	3161071	3161086 pt	3211141151	2491212	2491212
315999WYVW pt	2387000	2387000	31699101B1	3161045	3161043 pt	3211141161	2491214	2491214
315999WYVW pt	2389000 pt	2389000 pt	31699101B5	3161075	3161086 pt	3211141171	2491216	2491216
315999WYVW pt	2396000 pt	2396000 pt	31699101C1	3161048	3161043 pt	3211141YVW	2491200	2491200
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315999WYVW pt	2339002 pt	2339002 pt	31699101D5	3161082	3161086 pt	3211145111	2491302	2491302
315999WYVY pt	2385002 pt	2385002 pt	31699101F1 pt	3161089 pt	3161073 pt	3211145121	2491305	2491305
315999WYVY pt	2387002	2387002	31699101F1 pt	3161089 pt	3161084 pt	3211145131	2491307	2491307
315999WYVY pt	2389002 pt	2389002 pt	31699101F2 pt	3161085 pt	3161073 pt	3211145141	2491309	2491309
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315999WYVY pt	2399002 pt	2399002 pt	31699101F3 pt	3161087 pt	3161073 pt	3211145161	2491314	2491314
315999WYVY pt	5699002	5699000 pt	31699101F3 pt	3161087 pt	3161084 pt	3211145171	2491317	2491317
			31699101F4 pt	3161091 pt	3161073 pt	3211145191	2491321	2491321
3161101	31116	31116	31699101F4 pt	3161091 pt	3161084 pt	3211145YVW	2491300	2491300
3161101111	3111611	3111611	3169910YVW	3161000	3161000			
3161101121	3111615	3111615	3169910YVY	3161002	3161002	3211149	24919	24919
3161101231	3111619	3111619				3211149111	2491905	2491905
3161101341	3111624	3111624	3169920	31710	31710	3211149121	2491907	2491907
3161101451	3111627	3111627	3169920111	3171011	3171011	3211149191	2491911	2491911
3161101461	3111629	3111629	3169920121	3171051	3171051	3211149YVW	2491900	2491900
3161101471	3111633	3111633	3169920131	3171071	3171071			
3161101481	3111635	3111635	3169920YVW	3171000	3171000	321114W	24910	24910
3161101591	3111637	3111637	3169920YVY	3171002	3171002	321114WYVW	2491000	2491000
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			3169930	31720	31720	3212111	24354	24354
31611016B1	3111643	3111643	3169930111	3172011	3172011	3212111111	2435419	2435419
31611016C1	3111651	3111651	3169930121	3172015	3172015	3212111221	2435415	2435415
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3161101YVW	3111600	3111600	3169930271	3172098	3172097	3212111YVW	2435400	2435400
			3169930YVW	3172000	3172000			
3161104	31119	31119	3169930YVY	3172002	3172002	3212113	24351	24351
3161104100 pt	3111900	3111900				3212113111	2435101	2435101
3161104100 pt	3111902	3111902	3169991	31310 pt	31310 pt	3212113221	2435105	2435105
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3161107	39996	39996	3169991121	3131031	3131031	3212113291	2435147	2435147
3161107121	3999611	3999611	3169991131	3131034	3131061 pt	3212113YVW	2435100	2435100
3161107131	3999693	3999693	3169991141	3131062	3131061 pt			
3161107YVW	3999600	3999600	3169991YVW	3131000 pt	3131000 pt			
						3212115	24352	24352
316110W pt	31110	31110				3212115100	2435200	2435200
			3169994	31990 pt	3199			

1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published
3212121	24364	24364	3219113	24312	24312	3219181	24316	24316
3212121100	2436400	2436400	3219113111	2431209	2431209	3219181111	2431621	2431621
3212123	24365	24365	3219113121	2431215	2431215	3219181121	2431631	2431631
3212123111	2436501	2436501	3219113YVW	2431200	2431200	3219181131	2431651	2431651
3212123221	2436505	2436505	3219115	24313	24313	3219181YVW	2431600	2431600
3212123331	2436511	2436511	3219115111	2431313	2431313	3219183	24317	24317
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3212123451	2436523	2436523	3219115YVW	2431300	2431300	3219183121	2431771	2431771
3212123YVW	2436500	2436500	3219117	24314	24314	3219183YVW	2431700	2431700
3212125	24366	24366	321911711	2431411	2431411	3219185 pt.....	24218 pt	24218 pt
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3212125141	2436615	2436615	3219117135	2431433	2431433	3219185131	2431835	2431835
3212125151	2436617	2436617	3219117141	2431435	2431435	3219185141	2431873	2431873
3212125YVW	2436600	2436600	3219117145	2431437	2431437	3219185151	2431877	2431877
3212127	24367	24367	3219117151	2431441	2431441	3219185161	2421811	2421811
3212127111	2436703	2436703	3219117155	2431445	2431445	3219185191 pt	2431891 pt	2431891 pt
3212127121	2436721	2436721	3219117161 pt	2431449 pt	2431446	3219185191 pt	2431891 pt	2431891 pt
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3212127191 pt	2436727 pt	2436725	3219117171	2431461	2431400 pt	3219185YVW pt	2431800	2431800
3212127YVW	2436700	2436700	3219117YVW	2431400	2431400 pt	3219187	24261	24261
3212129	24363	24363	3219119	24315	24315	3219187111	2426111	2426111
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3212129191	2436398	2436398	3219119121	2431584	2431584	3219187131	2426123	2426123
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321212W	24360	24360	3219119151	2431588	2431597 pt	3219187291	2426198	2426198
321212WYVW	2436000	2436000	3219119191 pt	2431591 pt	2431575	3219187YVW	2426100	2426100
321212WYVW	2436002	2436002	3219119191 pt	2431591 pt	2431581	321918W pt.....	24210 pt	24210 pt
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3212130221	2439015	2439031	321911WYVW	2431000 pt	2431000 pt	321918WYVW pt	2421000 pt	2421000 pt
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3212130YVW	2439002 pt	2439002 pt	3219121131	2421145	2421165 pt	321918WYVW pt	2431002 pt	2431002 pt
3212140	24390 pt	24390 pt	3219121141	2421151	2421177 pt	3219201	24411	24411
3212140111 pt	2439061 pt	2439051 pt	3219121151 pt	2421155 pt	2421161 pt	3219201111	2441127	2441127
3212140111 pt	2439061 pt	2439098 pt	3219121151 pt	2421155 pt	2421163 pt	3219201121	2441163	2441163
3212140121	2439065	2439098 pt	3219121151 pt	2421155 pt	2421165 pt	3219201YVW	2441100	2441100
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3212140YVW	2439000 pt	2439000 pt	3219123	24212 pt	24212 pt	3219203121	2441215	2441215
3212140YVW	2439002 pt	2439002 pt	3219123111	2421264	2421212 pt	3219203131	2441225	2441225
3212191	24931	24931	3219123121	2421267	2421213 pt	3219203YVW	2441200	2441200
3212191111 pt	2493111 pt	2493120	3219123131	2421271	2421215 pt	3219205	24480 pt	24480 pt
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3212191221 pt	2493115 pt	2493105	3219123161	2421281	2421237 pt	3219205231	2448066	2448066
3212191291	2493191	2493121 pt	3219123171 pt	2421284 pt	2421212 pt	3219205241	2448064	2448064
3212191YVW	2493100	2493100	3219123171 pt	2421284 pt	2421215 pt	3219205YVW	2448000 pt	2448000 pt
3212192	24932	24932	3219123171 pt	2421284 pt	2421231	3219207 pt.....	24290 pt	24290 pt
3212192111	2493205	2493205	3219123YVW	2421200 pt	2421200 pt	3219207 pt.....	24490 pt	24490 pt
3212192121	2493207	2493207	3219125	24262	24262	3219207 pt.....	24994 pt	24994 pt
3212192191 pt	2493291 pt	2493209	3219125111	2426231	2426224 pt	3219207111	2449011	2449011
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3212192YVW	2493200	2493200	3219125221	2426233	2426251 pt	3219207131	2449043	2449043
3212193	24933	24933	3219125225	2426243	2426251 pt	3219207141	2449073	2449073
3212193111 pt	2493311 pt	2493314 pt	3219125331	2426235	2426281 pt	3219207151	2449091	2449091
3212193111 pt	2493311 pt	2493316 pt	3219125335	2426245	2426281 pt	3219207191 pt	2449061	2449061
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3212193191 pt	2493391 pt	2493316 pt	3219125444	2426285	2426285	3219207YVW pt	2449000 pt	2449000 pt
3212193YVW	2493300	2493300	3219125447	2426286	2426286	3219207YVW pt	2499400 pt	2499400 pt
3212194	24934	24934	3219125451	2426287	2426287	321920W pt.....	24290 pt	24290 pt
3212194111	2493412	2493412	3219125YVW	2426200	2426200	321920W pt.....	24410	24410
3212194121	2493414	2493414	3219127 pt.....	24217	24217	321920W pt.....	24480 pt	24480 pt
3212194131	2493416	2493416	3219127 pt.....	24994 pt	24994 pt	321920W pt.....	24490 pt	24490 pt
3212194141	2493417	2493417	3219127111	2421711	2421711	321920W pt.....	24990 pt	24990 pt
3212194151	2493418	2493418	3219127121	2421751	2421751	321920WYVW pt	2429000 pt	2429000 pt
3212194161	2493419	2493419	3219127131 pt	2421751	2421751	321920WYVW pt	2441000	2441000
3212194YVW	2493400	2493400	3219127131 pt	2421751	2421751	321920WYVW pt	2448000 pt	2448000 pt
3212195	24935	24935	3219127YVW pt	2421700	2421700	321920WYVW pt	2449000 pt	2449000 pt
3212195100	2493500	2493500	3219127YVW pt	2421700	2421700	321920WYVW pt	2449000 pt	2449000 pt
3212197	24936	24936	3219129 pt.....	24218 pt	24218 pt	321920WYVW pt	2449000 pt	2449000 pt
3212197111	2493612	2493612	3219129 pt.....	24218 pt	24218 pt	321920WYVW pt	2449000 pt	2449000 pt
3212197121	2493616	2493616	3219129111	2421825	2421825	321920WYVW pt	2429002 pt	2429002 pt
3212197131	2493617	2493617	3219129121	2421823	2421823	321920WYVW pt	2441002	2441002
3212197YVW	2493600	2493600	3219129131	2421971	2421951 pt	321920WYVW pt	2448002	2448002
3212198	24937	24937	3219129YVW pt	2421800 pt	2421800 pt	321920WYVW pt	2449002	2449002
3212198111	2493721	2493721	3219129YVW pt	2421800 pt	2421900 pt	321920WYVW pt	2449002 pt	2449002 pt
3212198121	2493731	2493731	321912W pt.....	24210 pt	24210 pt	3219911	24511	24511
3212198YVW	2493700	2493700	321912W pt.....	24260 pt	24260 pt	3219911111	2451111	2451111
321219W	24930	24930	321912W pt.....	24260 pt	24260 pt	3219911121 pt	2451112 pt	2451112 pt
321219WYVW	2493000	2493000	321912W pt.....	24390 pt	24390 pt	3219911121 pt	2451112 pt	2451112 pt
321219WYVW	2493002	2493002	321912W pt.....	24390 pt	24390 pt	3219911231	2451114	2451114 pt
3219111	24311	24311	321912W pt.....	24990 pt	24990 pt	3219911241	2451116	2451117 pt
3219111111	2431131	2431131	321912WYVW pt	2421000 pt	2421000 pt	3219911351	2451118	2451118
3219111121	2431132	2431132	321912WYVW pt	2426000 pt	2426000 pt	3219911YVW	2451100	2451100
3219111231	2431135	2431135	321912WYVW pt	2439000 pt	2439000 pt	3219915	24512	24512
3219111241	2431136	2431136	321912WYVW pt	2439081	2439033 pt	3219915111	2451222	2451222
3219111351	2431142	2431141 pt	321912WYVW pt	2499000 pt	2499000 pt	3219915121	2451230	2451230
3219111361	2431143	2431141 pt	321912WYVW pt	2421002 pt	2421002 pt	3219915YVW	2451200	2451200
3219111391 pt	2431191 pt	2431134</						

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3219921111	2452173	2452173	322110WYWW	2611000	2611000	322121WYWW pt	2621000 pt	2621000 pt
3219921121	2452175	2452175	322110WYWY	2611002	2611002	322121WYWW pt	2676000 pt	2676000 pt
3219921YVV	2452100	2452100				322121WYWW pt	3842000 pt	3842000 pt
			3221211	26213	26213	322121WYWY pt	2621002 pt	2621002 pt
3219923	24522	24522	3221211111 pt	2621311 pt	2621315	322121WYWY pt	2676002 pt	2676002 pt
3219923111	2452217	2452217	3221211121 pt	2621311 pt	2621329 pt	322121WYWY pt	3842002 pt	3842002 pt
3219923121	2452219	2452219	3221211221 pt	2621321 pt	2621316			
3219923131	2452223	2452223	3221211221 pt	2621321 pt	2621329 pt			
3219923YVV	2452200	2452200	3221211231 pt	2621323 pt	2621320	3221221	26211	26211
			3221211231 pt	2621323 pt	2621329 pt	3221221100	2621100	2621100
			3221211YVV	2621300	2621300			
3219925	24523	24523	3221213	26214	26214	3221223	26212	26212
3219925111	2452333	2452333	3221213111	2621431	2621431	3221223111 pt	2621213 pt	2621215
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3219925131	2452337	2452337	3221213221	2621437	2621437	3221223121	2621227	2621227
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			322121N541	2676943	2676443 pt			
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1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published
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3222233YVW.....	2673300 pt.....	2673300 pt.....	3222915573.....	2676677.....	2676477 pt.....	323110B136.....	2752644.....	2752644.....
322223W.....	26730 pt.....	26730 pt.....	3222915581.....	2676681.....	2676481 pt.....	323110B141.....	2752647.....	2752647.....
322223WYWW.....	2673000 pt.....	2673000 pt.....	3222915591.....	2676699.....	2676499 pt.....	323110B146.....	2752651.....	2752651.....
32222								

1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published
323110B156	2752683	2752683	3231131 pt.....	27598	27598	323116W pt.....	27820 pt	27820 pt
323110B161	2752684	2752684	3231131 pt.....	27712 pt	27712 pt	323116WYWW pt...	2761000	2761000
323110B166	2752692	2752692	3231131 pt.....	39999 pt	39999 pt	323116WYWW pt...	2782000 pt	2782000 pt
323110B168	2752694	2752694	323113111	2759811	2759811	323116WYWW pt...	2761002	2761002
323110B176	2752695	2752695	3231131116	2759813	2759813	323116WYWW pt...	2782002 pt	2782002 pt
323110B181 pt.....	2771200 pt.....	2771200 pt.....	3231131121	2759815	2759815	3231171	27323	27323
323110B181 pt.....	2771201	2771200 pt.....	3231131126	2759817	2759817	3231171111	2732310	2732310
323110B191 pt.....	2752697 pt.....	2752671 pt.....	3231131126	2759815	2759815	3231171216	2732312	2732312
323110B191 pt.....	2752697 pt.....	2752697	3231131181	2771205	2771200 pt.....	3231171321	2732314	2732314
323110B191 pt.....	3999900	3999999 pt.....	3231131231	2759819	2759819	3231171426	2732316	2732316
323110B193 pt.....	2752699 pt.....	2752671 pt.....	3231131236	2759821	2759821	3231171531	2732318	2732318
323110B193 pt.....	2752699 pt.....	2752699	3231131241	2759823	2759823	3231171YVW	2732300	2732300
323110BYWW pt.....	2752600 pt.....	2752600 pt.....	3231131346	2759825	2759825	3231173	27324	27324
323110BYVW pt.....	2771200 pt.....	2771200 pt.....	3231131451	2759827	2759827	3231173111	2732422	2732422
323110BYVW pt.....	3999900 pt.....	3999900 pt.....	3231131456	2759829	2759829	3231173116	2732425	2732425
323110W pt.....	27520 pt	27520 pt	3231131491 pt.....	2759831	2759831	3231173YVW	2732400	2732400
323110W pt.....	27710 pt	27710 pt	3231131491 pt.....	3999985	3999999 pt.....	3231175	27325	27325
323110W pt.....	39990 pt	39990 pt	3231131YVW pt.....	2759800	2759800	3231175111	2732532	2732532
323110WYWW pt.....	2752000 pt.....	2752000 pt.....	3231131YVW pt.....	2771200 pt.....	2771200 pt.....	3231175116	2732535	2732535
323110WYWW pt.....	2771000 pt.....	2771000 pt.....	3231131YVW pt.....	3999900 pt.....	3999900 pt.....	3231175YVW	2732500	2732500
323110WYWW pt.....	3999000 pt.....	3999000 pt.....	3231133 pt.....	23964	23964	3231177	27326	27326
323110WYVW pt.....	2752002 pt.....	2752002 pt.....	323113313	23969	93000 pt	3231177111	2732642	2732642
323110WYVW pt.....	2771002 pt.....	2771002 pt.....	3231133111	2396435	2396434 pt.....	3231177216	2732643	2732643
323110WYVW pt.....	3999002 pt.....	3999002 pt.....	3231133116	2396436	2396434 pt.....	3231177321	2732644	2732644
3231111	27541	27541	3231133121	2396437	2396437	3231177426	2732645	2732645
3231111111	2754133	2754133	3231133YVW pt.....	2396400	2396400	3231177531	2732646	2732646
3231111116	2754135	2754135	3231133YVW pt.....	2396900	9300000 pt.....	3231177636	2732647	2732647
3231111YVW	2754100	2754100	323113W pt.....	23960 pt	23960 pt	3231177741	2732648	2732648
3231113	27542	27542	323113W pt.....	27590 pt	27590 pt	3231177YVW	2732600	2732600
3231113111	2754211	2754211	323113W pt.....	27710 pt	27710 pt	3231179	2732A	2732A
3231113116	2754213	2754213	323113WYVW pt.....	39990 pt	39990 pt	3231179111	2732A52	2732A52
3231113121	2754215	2754215	323113WYVW pt.....	2396000 pt.....	2396000 pt.....	3231179116	2732A54	2732A54
3231113126	2754217	2754217	323113WYVW pt.....	2759000 pt.....	2759000 pt.....	3231179121	2732A55	2732A55
3231113231	2754232	2754232	323113WYVW pt.....	2771000 pt.....	2771000 pt.....	3231179126	2732A56	2732A56
3231113236	2754237	2754237	323113WYVW pt.....	3999000 pt.....	3999000 pt.....	3231179131	2732A57	2732A57
3231131YVW	2754200	2754200	323113WYVW pt.....	2759002 pt.....	2759002 pt.....	3231179YVW	2732A00	2732A00
3231115	27543	27543	323113WYVW pt.....	2771002 pt.....	2771002 pt.....	323117A	2732B	2732B
3231115100	2754300	2754300	323113WYVW pt.....	3999002 pt.....	3999002 pt.....	323117A100	2732B00	2732B00
3231117	27545	27545	3231140 pt.....	27520 pt	27520 pt	323117C	2732C	2732C
3231117111	2754511	2754511	3231140 pt.....	27526 pt	27526 pt	323117C100	2732C00	2732C00
3231117116	2754545	2754545	3231140 pt.....	27590 pt	27590 pt	323117W	27320	27320
3231117121	2754548	2754548	3231140 pt.....	27590 pt	27590 pt	323117WYVW	2732000	2732000
3231117YVW	2754500	2754500	3231140 pt.....	27590 pt	27590 pt	323117WYVW	2732002	2732002
3231119 pt.....	27546	27546	3231140 pt.....	27590 pt	27590 pt	3231181	27824	27824
3231119 pt.....	27712 pt	27712 pt	3231140 pt.....	27590 pt	27590 pt	3231181111	2782441	2782441
323111911	39999 pt	39999 pt	3231140100	2759A pt	2759A pt	3231181116	2782445	2782445
3231119111	2754651	2754651	3231140100 pt.....	2752696	2752696	3231181121	2782451	2782451
3231119191	2754695	2754695	3231140100 pt.....	2759A12	2759A00 pt.....	3231181YVW	2782400	2782400
3231119191 pt.....	2771203	2771200 pt.....	3231140YVW pt.....	2752000 pt.....	2752000 pt.....	3231183	27825	27825
3231119191 pt.....	3999983	3999999 pt.....	3231140YVW pt.....	2752600 pt.....	2752600 pt.....	3231183111	2782501	2782501
3231119YVW pt.....	2754600	2754600	3231140YVW pt.....	2759000 pt.....	2759000 pt.....	3231183116	2782503	2782503
3231119YVW pt.....	2771200 pt.....	2771200 pt.....	3231140YVW pt.....	2759A00 pt.....	2759A00 pt.....	3231183121	2782506	2782506
3231119YVW pt.....	3999900 pt.....	3999900 pt.....	3231140YVW pt.....	2752002 pt.....	2752002 pt.....	3231183126	2782508	2782508
323111W pt.....	27540	27540	3231140YVW pt.....	2759002 pt.....	2759002 pt.....	3231183131	2782511	2782511
323111W pt.....	27710 pt	27710 pt	3231150 pt.....	27590 pt	27590 pt	3231183136	2782522	2782522
323111W pt.....	39990 pt	39990 pt	3231150 pt.....	27590 pt	27590 pt	3231183YVW	2782500	2782500
323111WYVW pt.....	2754000	2754000	3231150100	2759A pt	2759A pt	323118W	27820 pt	27820 pt
323111WYVW pt.....	2771000 pt.....	2771000 pt.....	3231150YVW pt.....	2759A14	2759A00 pt.....	323118WYVW	2782000 pt.....	2782000 pt
323111WYVW pt.....	3999000 pt.....	3999000 pt.....	3231150YVW pt.....	2759A00 pt.....	2759A00 pt.....	323118WYVW	2782002 pt.....	2782002 pt
323111WYVW pt.....	2754002	2754002	3231150YVW	2759002 pt.....	2759002 pt.....	3231191	27591	27591
323111WYVW pt.....	2771002 pt.....	2771002 pt.....	3231161	27612	27612	3231191100 pt.....	2759100	2759100
323111WYVW pt.....	3999002 pt.....	3999002 pt.....	3231161111	2761211	2761211	3231191100 pt.....	2759113 pt.....	2759112
3231121	2759B	2759B	3231161121	2761213	2761213	3231191100 pt.....	2759113 pt.....	2759114
3231121111	2759B14	2759B14	3231161126	2761215	2761215	3231193	27592	27592
3231121216	2759B16	2759B16	3231161231	2761253	2761253	3231193111	2759212	2759212
3231121321	2759B18	2759B18	3231161336	2761255	2761255	3231193116	2759214	2759214
3231121426	2759B20	2759B20	3231161441	2761261	2761261	3231193121	2759216	2759216
3231121531	2759B22	2759B22	3231161YVW	2761200	2761200	3231193126	2759218	2759218
3231121636	2759B26	2759B26	3231163	27613	27613	3231193131	2759221	2759221
3231121741	2759B28	2759B28	3231163111	2761311	2761311	3231193136	2759223	2759223
3231121846	2759B30	2759B30	3231163116	2761313	2761313	3231193141	2759227	2759227
3231121YVW	2759B00	2759B00	3231163YVW	2761300	2761300	3231193YVW	2759200	2759200
3231123 pt.....	2759C	2759C	3231165	27615	27615	3231195	27593	27593
3231123 pt.....	27712 pt	27712 pt	3231165111	2761531	2761531	3231195100 pt.....	2759300	2759300
3231123 pt.....	39999 pt	39999 pt	3231165116	2761535	2761535	3231195100 pt.....	2759317 pt.....	2759312
3231123111	2759C29	2759C29	3231165121	2761541	2761541	3231195100 pt.....	2759317 pt.....	2759318
3231123116	2759C31	2759C31	3231165126	2761543	2761543	3231197	27594	27594
3231123221	2759C32	2759C32	3231165131	2761545	2761545	3231197100 pt.....	2759400	2759400
3231123226	2759C33	2759C34 pt.....	3231165236	2761555	2761555	3231197100 pt.....	2759421 pt.....	2759411
3231123231	2759C35	2759C34 pt.....	3231165241	2761561	2761561	3231197100 pt.....	2759421 pt.....	2759413
3231123236	2759C36	2759C36	3231165346	2761563	2761563	3231197100 pt.....	2759421 pt.....	2759415
3231123291 pt.....	2759C38	2759C38	3231165451	2761565	2761565	3231197100 pt.....	2759421 pt.....	2759417
3231123291 pt.....	2771207	2771200 pt.....	3231165YVW	2761500	2761500	3231197100 pt.....	2759421 pt.....	2759419
3231123291 pt.....	3999982	3999999 pt.....	3231167	27617	27617	3231199	27595	27595
3231123YVW pt.....	2759C00	2759C00	3231167111	2761761	2761761	3231199111	2759512	2759512
3231123YVW pt.....	2771200 pt.....	2771200 pt.....	3231167116	2761763	2761763	3231199116	2759514	2759514
3231123YVW pt.....	3999900 pt.....	3999900 pt.....	3231167121	2761765	2761765	3231199121	2759516	2759516
323112W pt.....	27590 pt	27590 pt	3231167126	2761773	2761773	3231199126	2759518	2759518
323112W pt.....	27710 pt	27710 pt	3231167131	2761775	2761775	3231199131	2759520	2759520
323112W pt.....	39990 pt	39990 pt	3231167YVW	2761700	2761700	3231199136	2759522	2759522
323112W pt.....	39990 pt	39990 pt	3231169	27823	27823	3231199141	2759524	2759524
323112WYVW pt.....	2759000 pt.....	2759000 pt.....	3231169100 pt.....	2782321	2782300 pt.....	3231199YVW	2759500	2759500
323112WYVW pt.....	2771000 pt.....	2771000 pt.....	3231169100 pt.....	2782319	2782300 pt.....	323119B pt.....	27596	27596
323112WYVW pt.....	3999000 pt.....	3999000 pt.....	3231169100 pt.....	2782317	2782300 pt.....			
323112WYVW pt.....	2759002 pt.....	2759002 pt.....	3231169100 pt.....	2782313	2782300 pt.....			
323112WYVW pt.....	27							

1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published
323119B pt	27712 pt	27712 pt	324110A	29114	29114	324199W pt	29990 pt	29990 pt
323119B111	2759611	2759611	324110A111	2911412	2911412	324199W pt	33120 pt	33120 pt
323119B116	2759613	2759613	324110A121	2911414	2911414	324199WYWW pt	2999000 pt	2999000 pt
323119B121	2759615	2759615	324110AYWV	2911400	2911400	324199WYWW pt	3312000 pt	3312000 pt
323119B126	2759616	2759616				324199WYWW pt	2999002	2999002
323119B131	2759617	2759617	324110D	29115	29115	324199WYWW pt	3312002 pt	3312002 pt
323119B136	2759619	2759619	324110D100	2911500	2911500			
323119B141	2759621	2759621	324110G	29117	29117	3251101	28656	28656
323119B146	2759623	2759623	324110G111	2911721	2911721	3251101111	2865658	2865658
323119B191 pt	2759627	2759627	324110G121	2911731	2911731	3251101121	2865659	2865659
323119B191 pt	2771209	2771200 pt	324110GYWV	2911700	2911700	3251101YWV	2865600	2865600
323119BYWV pt	2759600	2759600						
323119BYWV pt	2771200 pt	2771200 pt	324110J	29118	29118	3251104	28691	28691
			324110J111	2911813	2911813	3251104111	2869132	2869132
323119E	27599	27599	324110J121	2911816	2911816	3251104121	2869133	2869133
323119E111	2759912	2759912	324110J131	2911817	2911817	3251104YWV	2869100	2869100
323119E116	2759922	2759922	324110J141	2911851	2911851			
323119E121	2759933	2759933	324110J151	2911852	2911852	325110W pt	28650 pt	28650 pt
323119E126	2759935	2759935	324110J161	2911856	2911856	325110W pt	28690 pt	28690 pt
323119EYWV	2759900	2759900	324110J171	2911859	2911859	325110WYWW pt	2865000 pt	2865000 pt
			324110JYWV	2911800	2911800	325110WYWW pt	2869000 pt	2869000 pt
323119W pt	27590 pt	27590 pt				325110WYWW pt	2865002 pt	2865002 pt
			324110M	29119	29119	325110WYWW pt	2869002 pt	2869002 pt
323119W pt	27710 pt	27710 pt	324110M111	2911921	2911921			
323119W pt	27712 pt	27712 pt	324110M121	2911931	2911931	3251201	28132	28132
323119W pt	39990 pt	39990 pt	324110M131	2911941	2911941	3251201000	2813200	2813200
			324110MYWV	2911900	2911900			
323119W pt	39999 pt	39999 pt	324110P	2911A	2911A	3251204	28133	28133
323119WYWW pt	2759000 pt	2759000 pt	324110P111	2911A21	2911A21	3251204000	2813300	2813300
323119WYWW pt	2771000 pt	2771000 pt	324110P121	2911A22	2911A22			
323119WYWW pt	2771211	2771200 pt	324110PYWV	2911A00	2911A00	3251207	28135	28135
323119WYWW pt	2771200 pt	2771200 pt				3251207000	2813500	2813500
323119WYWW pt	3999000 pt	3999000 pt	324110T	2911D	2911D	325120A	28136	28136
323119WYWW pt	3999900 pt	3999900 pt	324110T111	2911D11	2911D11	325120A000	2813600	2813600
323119WYWW pt	3999986	3999999 pt	324110T121	2911D23	2911D23			
323119WYWW pt	2759002 pt	2759002 pt	324110T131	2911D25	2911D25	325120D pt	28137	28137
323119WYWW pt	2771002 pt	2771002 pt	324110T141	2911D31	2911D31	325120D pt	28697 pt	28697 pt
323119WYWW pt	3999002 pt	3999002 pt	324110T151	2911D41	2911D41	325120D000 pt	2813700	2813700
			324110T161	2911D51	2911D51	325120D000 pt	2869711	2869700 pt
3231211	27891	27891	324110T171	2911D55	2911D55			
3231211111	2789110	2789110	324110T181	2911D57	2911D57	325120W pt	28130	28130
3231211116	2789113	2789113	324110T191	2911D62	2911D62			
3231211121	2789125	2789125	324110T1A1	2911D72	2911D72	325120W pt	28690 pt	28690 pt
3231211226	2789141	2789141	324110T1B1	2911D82	2911D82	325120WYWW pt	2813000	2813000
3231211YVW	2789100	2789100	324110T1C1	2911D99	2911D99	325120WYWW pt	2869000 pt	2869000 pt
			324110TYWV	2911D00	2911D00	325120WYWW pt	2813002	2813002
3231213	27892	27892				325120WYWW pt	2869002 pt	2869002 pt
3231213111	2789223	2789223	324110W	29110	29110			
3231213216	2789224	2789224	324110WYWW	2911000	2911000	3251311	28161	28161
3231213321	2789225	2789225	324110WYWW	2911002	2911002	3251311000	2816100	2816100
3231213326	2789226	2789226						
3231213431	2789281	2789281	3241210	29510	29510	3251314	28162	28162
3231213536	2789292	2789292	3241210111	2951011	2951011	3251314111	2816224	2816224
3231213YVW	2789200	2789200	3241210121	2951015	2951015	3251314121	2816255	2816255
			3241210131	2951051	2951051	3251314131	2816265	2816265
323121W	27890	27890	3241210141	2951098	2951098	3251314YWV	2816200	2816200
323121WYWW	2789000	2789000	3241210YWW	2951000	2951000			
323121WYWW	2789002	2789002	3241210YWW	2951002	2951002	3251317 pt	28163 pt	28163 pt
3231221 pt	27910 pt	27910 pt	3241221	29522	29522	3251317 pt	28199 pt	28199 pt
3231221 pt	27962	27962	3241221111	2952212	2952212	3251317110	2816310	2816310
			3241221121	2952251	2952251	3251317111	2816331	2816331
3231221 pt	27963 pt	27963 pt	3241221231	2952255	2952255	3251317311	2816327	2816327
3231221100 pt	2791000 pt	2791000 pt	3241221341	2952261	2952261	3251317321	2816391	2816391
3231221100 pt	2791000 pt	2791016	3241221351	2952298	2952298	3251317331 pt	2816398	2816398
3231221100 pt	2791000 pt	2791018	3241221YWV	2952200	2952200	3251317331 pt	2819991	2819900 pt
3231221100 pt	2791000 pt	2791032				3251317YWV pt	2816300 pt	2816300 pt
3231221100 pt	2791000 pt	2791034	3241222	29524	29524	3251317YWV pt	2819900 pt	2819900 pt
3231221100 pt	2796200 pt	2796200	3241222121	2952421	2952421			
3231221100 pt	2796200 pt	2796231	3241222131	2952422	2952422	325131W pt	28160 pt	28160 pt
3231221100 pt	2796200 pt	2796239	3241222241	2952423	2952423			
3231221100 pt	2796200 pt	2796241	3241222251	2952424	2952424	325131W pt	28190 pt	28190 pt
3231221100 pt	2796300 pt	2796300 pt	3241222361	2952425	2952425	325131WYWW pt	2816000 pt	2816000 pt
3231221100 pt	2796352	2796352	3241222371	2952426	2952426	325131WYWW pt	2819000 pt	2819000 pt
3231221100 pt	2796375	2796373	3241222481	2952427	2952427	325131WYWW pt	2816002 pt	2816002 pt
			3241222591	2952428	2952428	325131WYWW pt	2819002 pt	2819002 pt
3231223 pt	27961	27961	32412226A1	2952429	2952429			
			32412226B1	2952431	2952431	3251321	28652	28652
3231223 pt	27963 pt	27963 pt	3241222711	2952419	2952419	3251321100	2865200	2865200
3231223106 pt	2796100 pt	2796100 pt	32412227C1	2952440	2952440			
3231223106 pt	2796100 pt	2796111	32412227D1	2952442	2952497 pt	3251324	28653	28653
3231223106 pt	2796100 pt	2796115	32412227E1	2952460	2952497 pt	3251324100	2865300	2865300
3231223106 pt	2796100 pt	2796131	32412227F1	2952462	2952460			
3231223111 pt	2796327 pt	2796325	32412227G1	2952464	2952460	325132W	28650 pt	28650 pt
3231223111 pt	2796327 pt	2796330	32412227H1	2952466	2952462	325132WYWW	2865000 pt	2865000 pt
3231223116	2796345	2796345	32412227J1	2952497	2952464	325132WYWW	2865002 pt	2865002 pt
3231223121	2796347	2796347	3241222YWV	2952400	2952400			
3231223126	2796353	2796353				3251811	28121	28121
3231223191 pt	2796371 pt	2796369	324122W	29520	29520	3251811000	2812100	2812100
3231223191 pt	2796371 pt	2796370	324122WYWW	2952000	2952000			
3231223YVW pt	2796100 pt	2796100 pt	324122WYWW	2952002	2952002	3251814	28123	28123
3231223YVW pt	2796300 pt	2796300 pt				3251814000	2812300	2812300
			3241910	29920	29920			
323122W pt	27910 pt	27910 pt	3241910111	2992021	2992021	3251817	28125	28125
			3241910121	2992031	2992031	3251817000	2812500	2812500
323122W pt	27960	27960	3241910YWW	2992000	2992000			
323122WYWW pt	2791000 pt	2791000 pt	3241910YWW	2992002	2992002	325181W	28120	28120
323122WYWW pt	2796000	2796000				325181WYWW	2812000	2812000
323122WYWW pt	2791002	2791002	3241911	33121 pt	33121 pt	325181WYWW	2812002	2812002
323122WYWW pt	2796002	2796002	3241911111	3312113	3312111 pt			
			3241911121	3312114	3312112 pt	3251820 pt	28160 pt	28160 pt
3241101	29111	29111	3241911131	3312152	3312151 pt			
3241101111	2911111	2911111	3241911141	3312172	3312171 pt	3251820 pt	28950	28950
3241101121	2911131	2911131	3241911151 pt	3312199 pt	3312191 pt	3251820100 pt	2816388	2816388
3241101YVW	2911100	2911100	3241911151 pt	3312199 pt	3312197 pt	3251820100 pt	2895000	2895000
			3241911YVW	3312100 pt	3312100 pt	3251820YWW pt	2816000 pt	2816000 pt
						3251820YWW pt	2816300 pt	2816300 pt
3241104	29112	29112			</			

1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published
3251887	28196	28196	3252114	28214	28214	3253201 pt	2879A pt	28798 pt
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325188A	28197	28197	325211W	28210	28210	3253201413	2879A13	2879541 pt
325188A000	2819700	2819700	325211WYWW	2821000	2821000	3253201725	2879A25	2879665 pt
325188D	28198	28198	325211WYWY	2821002	2821002	3253201A15	2879A15	2879561 pt
325188D000	2819800	2819800	3252120	28220	28220	3253201A17	2879A17	2879581 pt
325188G pt	28199 pt	28199 pt	325212011	2822011	2822011	3253201A21	2879A21	2879641 pt
325188G000 pt	2819997	2819900 pt	3252120211	2822012	2822012	3253201A23	2879A23	2879661 pt
325188G000 pt	2819900 pt	2819900 pt	3252120311	2822012	2822012	3253201A27	2879A27	2879675 pt
325188G000 pt	2819900 pt	2819900 pt	3252120321	2822040	2822040	3253201A29	2879A29	2879685 pt
325188G000 pt	2819900 pt	2819900 pt	3252120411	2822045	2822045	3253201A41	2879A41	2879812 pt
325188W pt	28190 pt	28190 pt	3252120511	2822050	2822050	3253201A43	2879A43	2879818 pt
325188W pt	28190 pt	28190 pt	3252120511	2822057	2822057	3253201A45	2879A45	2879822 pt
325188WYWW pt	2819000 pt	2819000 pt	3252120611	2822060	2822060	3253201A47	2879A47	2879885 pt
325188WYWW pt	2819000 pt	2819000 pt	3252120711	2822072	2822072	3253201D31	2879A31	2879721 pt
325188WYWW pt	2819002 pt	2819002 pt	3252120811	2822082	2822082	3253201D33	2879A33	2879751 pt
325188WYWW pt	2819002 pt	2819002 pt	3252120YWW	2822000	2822000	3253201YVW pt	2879A00 pt	2879500 pt
325188WYWW pt	2819002 pt	2819002 pt	3252120YVW	2822002	2822002	3253201YVW pt	2879A00 pt	2879600 pt
3251910	28610	28610	3252210	28230	28230	3253201YVW pt	2879A00 pt	2879700 pt
3251910111	2861010	2861010	3252210111	2823033	2823033	3253201YVW pt	2879A00 pt	2879800 pt
3251910121	2861020	2861020	3252210121	2823037	2823037	3253204 pt	2879C pt	28795 pt
3251910231	2861025	2861025	3252210131	2823036	2823036	3253204 pt	2879C pt	28796 pt
3251910241 pt	2861031 pt	2861030	3252210141	2823045	2823045	3253204 pt	2879C pt	28797 pt
3251910241 pt	2861031 pt	2861035	3252210YWW	2823000	2823000	3253204 pt	2879C pt	28798 pt
3251910291 pt	2861049 pt	2861015	3252210YVW	2823002	2823002	3253204 pt	2879C pt	28799 pt
3251910291 pt	2861049 pt	2861040	3252221	28241	28241	3253204 pt	2879C pt	28798 pt
3251910YVW	2861000	2861000	3252221111	2824115	2824115	3253204111	2879C11	2879531 pt
3251910YVWY	2861002	2861002	3252221121	2824124	2824124	3253204113	2879C13	2879541 pt
3251921	28651	28651	3252221131	2824129	2824129	3253204115	2879C15	2879561 pt
3251921100	2865100	2865100	3252221141	2824133	2824133	3253204117	2879C17	2879581 pt
3251924	28655	28655	3252221151	2824145	2824145	3253204121	2879C21	2879641 pt
3251924100	2865500	2865500	3252221YVW	2824100	2824100	3253204123	2879C23	2879661 pt
325192W	28650 pt	28650 pt	3252224	28242	28242	3253204125	2879C25	2879665 pt
325192WYWW	2865000 pt	2865000 pt	3252224111	2824261	2824261	3253204127	2879C27	2879675 pt
325192WYVW	2865002 pt	2865002 pt	3252224121	2824263	2824263	3253204129	2879C29	2879685 pt
3251930 pt	28690 pt	28690 pt	3252224131	2824265	2824265	3253204131	2879C31	2879721 pt
3251930 pt	28692	28692	3252224141	2824266	2824266	3253204133	2879C33	2879751 pt
3251930111	2869215	2869215	3252224151	2824269	2824269	3253204141	2879C41	2879812 pt
3251930211	2869210	2869210	3252224YVW	2824200	2824200	3253204143	2879C43	2879818 pt
3251930221	2869219	2869219	3252227	28244	28244	3253204145	2879C45	2879822 pt
3251930311	2869225	2869225	3252227111	2824415	2824415	3253204147	2879C47	2879885 pt
3251930311	2869225	2869225	3252227121	2824429	2824429	3253204YVW pt	2879C00 pt	2879500 pt
3251930411	2869220	2869220	3252227131	2824442	2824442	3253204YVW pt	2879C00 pt	2879600 pt
3251930511	2869229	2869229	3252227141	2824444	2824444	3253204YVW pt	2879C00 pt	2879700 pt
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3251930YVWY	2869002 pt	2869002 pt	325222A	28249	28249	3253207111	2879E11	2879921
3251991 pt	28697 pt	28697 pt	325222A111	2824915	2824915	3253207113	2879E13	2879924
3251991 pt	28992	28992	325222A121	2824917	2824917	3253207121	2879E21	2879912
3251991111	2899211	2899211	325222A131	2824919	2824919	3253207123	2879E23	2879917
3251991121	2899224	2899224	325222AYVW	2824900	2824900	3253207125	2879E25	2879986 pt
3251991131	2899259	2899259	325222D	28248	28248	3253207131	2879E31	2879945 pt
3251991131	2899259	2899259	325222D111	2824815	2824815	3253207133	2879E33	2879945 pt
3251991141	2899261	2899261	325222D211	2824851	2824851	3253207135	2879E35	2879945 pt
3251991151	2899283	2899283	325222D221	2824875	2824875	3253207137	2879E37	2879945 pt
3251991161	2899292	2899292	325222D231	2824879	2824879	3253207141	2879E41	2879940 pt
3251991171	2899294	2899294	325222DYVW	2824800	2824800	3253207143	2879E43	2879940 pt
3251991181	2869715	2869700 pt	325222W	28240	28240	3253207145	2879E45	2879940 pt
3251991YVW pt	2869700	2869700 pt	325222WYWW	2824000	2824000	3253207151	2879E51	2879986 pt
3251991YVW pt	28699200	28699200	325222WYVW	2824002	2824002	3253207155	2879E55	2879971
3251994	28694	28694	3252311	28731	28731	3253207157	2879E57	2879930
3251994100	2869400	2869400	3253111000	2873100	2873100	3253207159	2879E59	2879986 pt
3251997	28698 pt	28698 pt	3253114	28732	28732	3253207YVW	2879E00	2879900
3251997100	2869831	2869831	3253114000	2873200	2873200	325320W	28790	28790
325199A	28698 pt	28698 pt	3253117	28733	28733	325320WYWW	2879000	2879000
325199A100	2869837	2869837	3253117100	2873300	2873300	325320WYVW	2879002	2879002
325199E	28698 pt	28698 pt	325311W	28730	28730	3254111	28331	28331
325199E111	2869853	2869853	325311WYWW	2873000	2873000	3254111111	2833110	2833110
325199E121	2869855	2869855	325311WYVW	2873002	2873002	3254111221	2833120	2833120
325199EYVW	2869800	2869800	3253121	28741	28741	3254111YVW	2833100	2833100
325199H	28693 pt	28693 pt	3253121000	2874100	2874100	3254114	28333	28333
325199H111	2869313	2869313	3253124	28742	28742	3254114111	2833315	2833315
325199H121	2869315	2869315	3253124000	2874200	2874200	3254114121	2833318	2833318
325199HYVW	2869300	2869300 pt	3253127	28744	28744	3254114131	2833323	2833323
325199K	28693 pt	28693 pt	3253127111	2874410	2874410	3254114141	2833324	2833324
325199K100	2869331	2869331	3253127121	2874411	2874411	3254114151	2833326	2833326
325199N	28693 pt	28693 pt	3253127131	2874421	2874421	3254114161	2833344	2833344
325199N100	2869351	2869351	3253127141	2874431	2874431	3254114171	2833392	2833392
325199R	28693 pt	28693 pt	3253127YVW	2874400	2874400	3254114291	2833399	2833399
325199R100	2869399	2869390 pt	325312W	28740	28740	3254114YVW	2833300	2833300
325199T pt	28696	28696	325312WYWW	2874000	2874000	325411W	28330	28330
325199T pt	28696	28696	325312WYVW	2874002	2874002	325411WYWW	2833000	2833000
325199T100 pt	2869600	2869600	3253140	28750	28750	325411WYVW	2833002	2833002
325199T100 pt	2869898	2869898	3253140111	2875010	2875010	3254121	28341	28341
325199U	28697 pt	28697 pt	3253140121	2875011	2875011	3254121000	2834100	2834100
325199U100	2869719	2869700 pt	3253140131	2875021	2875021	3254124	28342	28342
325199W	28690 pt	28690 pt	3253140141	2875041	2875000 pt	3254124000	2834200	2834200
325199W pt	28690 pt	28690 pt	3253140151	2875051	2875000 pt	3254127	28343	28343
325199W pt	28990 pt	28990 pt	3253140161	2875061	2875000 pt	3254127000	2834300	2834300
325199WYWW pt	2869000 pt	2869000 pt	3253140241	2875031	2875031	325412A	28344	28344
325199WYWW pt	2869000 pt	2869000 pt	3253140YVW	2875000	2875000 pt	325412A000	2834400	2834400
325199WYVW pt	2869002 pt	2869002 pt	3253140YVW	2875002	2875002	325412D	28345	28345
325199WYVW pt	2899002 pt	2899002 pt	3253201 pt	2879A pt	28795 pt	325412D000	2834500	2834500
3252111	28213	28213	3253201 pt	2879A pt	28796 pt	325412G	28346	28346
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1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published
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325412V	28352	28352	325520A121	2891721	2891721	325611D100 pt	2844421	2844421
325412V111	2835212	2835212	325520A131	2891731	2891731	325611W pt	28410	28410
325412V121	2835220	2835220	325520A141	2891746	2891746	325611W pt	28440 pt	28440 pt
325412V191	2835225	2835225	325520A151	2891771	2891771	325611WYWW pt	2841000	2841000
325412VYV	2835200	2835200	325520AYV	2891700	2891700	325611WYWW pt	2844000 pt	2844000 pt
325412W pt	28340	28340	325520W	28910	28910	325611WYVY pt	2841002	2841002
325412WYWW pt	28350 pt	28350 pt	325520WYWW	2891000	2891000	325611WYVY pt	2844002 pt	2844002 pt
325412WYWW pt	2835000 pt	2835000 pt	325520WYVY	2891002	2891002	3256121	28422	28422
325412WYVY pt	2835002 pt	2835002 pt	3256111	28411	28411	3256121111	284224	2842243 pt
325412WYVY pt	2835002 pt	2835002 pt	3256111111 pt	2841120 pt	2841126 pt	3256121121	2842245	2842243 pt
3254130 pt	28350 pt	28350 pt	3256111111 pt	2841120 pt	2841141 pt	3256121131	2842254	2842253 pt
3254130 pt	28351	28351	3256111111 pt	2841122 pt	2841125 pt	3256121141	2842255	2842253 pt
3254130111	2835110	2835110	3256111121 pt	2841122 pt	2841145 pt	3256121YV	2842200	2842200
3254130221	2835115	2835115	3256111121 pt	2841122 pt	2841146 pt	3256124	28423	28423
3254130331	2835120	2835120	3256111121 pt	2841122 pt	2841149 pt	3256124111	2842334	2842332 pt
3254130341	2835125	2835125	3256111131 pt	2841127 pt	2841178 pt	3256124211	2842340	2842341
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3254130571	2835140	2835140	3256111131 pt	2841127 pt	2841149 pt	3256124241 pt	2842347 pt	2842346
3254130691	2835145	2835145	3256111131 pt	2841129 pt	2841178 pt	3256124241 pt	2842347 pt	2842397 pt
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3254130YVW pt	2835100	2835100	3256111131 pt	2841130 pt	2841143 pt	3256124251 pt	2842350 pt	2842397 pt
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3254141	28361	28361	3256111131 pt	2841131 pt	2841146 pt	3256124261 pt	2842352 pt	2842397 pt
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3254141YV	2836100	2836100	3256111131 pt	2841131 pt	2841141 pt	3256124331	2842386	2842385 pt
3254144	28362	28362	3256111131 pt	2841131 pt	2841143 pt	3256124341	2842387	2842385 pt
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3254147	28363	28363	3256111131 pt	2841132 pt	2841145 pt	3256124421	2842313	2842311 pt
3254147111	2836310	2836310	3256111131 pt	2841132 pt	2841146 pt	3256124431	2842315	2842315
3254147121	2836320	2836320	3256111131 pt	2841132 pt	2841149 pt	3256124441	2842321	2842321
3254147YV	2836300	2836300	3256111131 pt	2841133 pt	2841125 pt	3256124451	2842324	2842326 pt
325414A	28364	28364	3256111131 pt	2841133 pt	2841126 pt	3256124461	2842325	2842326 pt
325414A111	2836410	2836410	3256111131 pt	2841133 pt	2841128 pt	3256124471	2842328	2842328
325414A121	2836415	2836415	3256111131 pt	2841133 pt	2841141 pt	3256124481	2842330	2842330
325414A131	2836422	2836422	3256111131 pt	2841133 pt	2841143 pt	3256124491	2842333	2842332 pt
325414A241	2836430	2836430	3256111131 pt	2841133 pt	2841145 pt	32561244E1	2842351	2842351
325414AYV	2836400	2836400	3256111131 pt	2841133 pt	2841146 pt	32561244F1	2842353	2842353
325414W	28360	28360	3256111131 pt	2841134 pt	2841149 pt	32561244G1	2842371	2842371
325414WYWW	2836000	2836000	3256111131 pt	2841134 pt	2841177	32561244H1	2842390	2842390
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3255101000	2851100	2851100	3256111131 pt	2841134 pt	2841145 pt	3256127	28424	28424
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325510W pt	28510	28510	3256111131 pt	2841135 pt	2841165	3256127191	2842425	2842443
325510W pt	28990 pt	28990 pt	3256111131 pt	2841135 pt	2841167	32561271A1	2842463	2842463
325510WYVW pt	2851000	2851000	3256111131 pt	2841135 pt	2841167	32561271B1	2842498	2842498
325510WYVW pt	2899000 pt	2899000 pt	3256111131 pt	2841135 pt	2841167	3256127YV	2842400	2842400
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325510WYVY pt	2899002 pt	2899002 pt	3256111131 pt	2841135 pt	2841167	325612WYWW	2842000	2842000
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3255201111	2891311	2891311	3256111131 pt	2841135 pt	2841167	3256130	28430	28430
3255201121	2891326	2891326	3256111131 pt	2841135 pt	2841167	3256130111	2843031	2843031
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3255201141	2891351	2891351	3256111131 pt	2841135 pt	2841167	3256130131	2843055	2843055
3255201151	2891355	2891355	3256111131 pt	2841135 pt	2841167	3256130141	2843085	2843085
3255201161	2891380	2891380	3256111131 pt	2841135 pt	2841167	3256130241	2843000	2843000
3255201YV	2891300	2891300	3256111131 pt	2841135 pt	2841167	3256130YV	2843002	2843002
3255204	28914	28914	3256111131 pt	2841135 pt	2841167	3256201	28441	28441
3255204111	2891411	2891411	3256111131 pt	2841135 pt	2841167	3256201111	2844149	2844149
3255204271	2891448	2891448	3256111131 pt	2841135 pt	2841167	3256201121	2844156	2844156
32552043D1	2891465	2891465	3256111131 pt	2841135 pt	2841167	3256201131	2844159	2844159
32552044E1	2891471	2891471	3256111131 pt	2841135 pt	2841167	3256201YV	2844100	2844100
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3255204621	2891424	2891424	3256111131 pt	2841135 pt	2841167	3256204211	2844245	2844245
3255204631	2891433	2891433	3256111131 pt	2841135 pt	2841167	3256204YV	2844200	2844200
3255204681	2891453	2891453	3256111131 pt	2841135 pt	2841167	3256207	28443	28443
3255204691	2891454	2891454	3256111131 pt	2841135 pt	2841167	3256207111	2844311	2844311
32552046A1	2891455	2891455	3256111131 pt	2841135 pt	2841167	3256207121	2844312	2844312
32552046B1	2891457	2891457	3256111131 pt	2841135 pt	2841167	3256207131	2844314	2844314
32552046C1	2891461	2891461	3256111131 pt	2841135 pt	2841167	3256207141	2844315	2844315
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32552046G1	2891483	2891483	3256111131 pt	2841135 pt	2841167	3256207211	2844320	2844320
32552046H1	2891499	2891499	3256111131 pt	2841135 pt	2841167	3256207221	2844322	2844322
3255204YV	2891400	2891400	3256111131 pt	2841135 pt	2841167	3256207231	2844327	2844326 pt
3255207	28916	28916	3256111131 pt	2841135 pt	2841167	3256207241	2844328	2844326 pt
3255207111	2891610	2891610	3256111131 pt	2841135 pt	2841167	3256207251	2844336	2844336
3255207121	2891625	2891625	3256111131 pt	2841135 pt	2841167	3256207261	2844339	2844339
3255207131	2891650	2891650	3256111131 pt	2841135 pt	2841167	3256207271	2844341	2844341
3255207YV	2891600	2891600	3256111131 pt	2841135 pt	2841167	3256207281	2844352	2844351 pt
			3256111131 pt					

1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published
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325910A.....	28934.....	28934.....	325998H pt.....	28995 pt.....	28995 pt.....	3261221327.....	3084027.....	3084014 pt.....
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325910A131.....	2893487.....	2893487.....	325998H106.....	2899525.....	2899525.....	3261221535.....	3084035.....	3084015 pt.....
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325910W.....	28930.....	28930.....	325998H1B1.....	2899593.....	2899593.....	326122WYVY pt.....	3089002 pt.....	3089002 pt.....
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3259200341 pt.....	2892059 pt.....	2892039.....	325998HYVW pt.....	3952400 pt.....	3952400 pt.....	3261401100.....	3086A00.....	3086100 pt.....
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3259912100.....	3087200.....	3087000 pt.....	325998WYVW pt.....	3999000 pt.....	3999000 pt.....	3261403YVW.....	3086E00.....	3086300 pt.....
325991W.....	30870.....	30870 pt.....	325998WYVY pt.....	2819002 pt.....	2819002 pt.....	3261404.....	3086H.....	30864 pt.....

1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published
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3261405115	3086J15	3086510	3261991111	3089101	3089101	3262119100	3011800	3011800
3261405225	3086J25	3086520	3261991121	3089103	3089103	326211B	30119	30119
3261405235	3086J35	3086530	3261991131	3089109	3089109	326211B100 pt	3011900 pt	3011900
3261405245	3086J45	3086540	3261991YVW	3089100	3089100	326211B100 pt	3011900 pt	3011921
3261405295	3086J95	3086590 pt				326211B100 pt	3011900 pt	3011922
3261405YVW	3086J00	3086500 pt	3261992	30892	30892	326211B100 pt	3011900 pt	3011925
			3261992211	3089210	3089210			
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3261406115	3086L15	3086610 pt	32619922131	3089230	3089230	326211D139	3011A39	3011A39
3261406195	3086L95	3086690 pt	32619922191	3089290	3089290	326211D152	3011A52	3011A52
3261406YVW	3086L00	3086600 pt	3261992YVW	3089200	3089200	326211DYVW	3011A00	3011A00
			3261993	30893	30893			
326140W	30860 pt	30860 pt	3261993100	3089300	3089300	326211F	3011C	3011C
326140WYVW	3086000 pt	3086000 pt				326211F121	3011C21	3011C21
326140WYVY	3086002	3086002 pt	3261994	30894	30894	326211F123	3011C23	3011C23
			3261994111	3089401	3089401	326211F127 pt	3011C27 pt	3011C25
3261501	3086B	30861 pt	3261994115	3089402	3089402	326211F127 pt	3011C27 pt	3011C29
3261501101	3086B01	3086100 pt	3261994121	3089403	3089403	326211FYVW	3011C00	3011C00
3261501102	3086B02	3086100 pt	3261994125	3089405	3089405			
3261501103	3086B03	3086100 pt	3261994131	3089406	3089406	326211H	3011D	3011D
3261501YVW	3086B00	3086100 pt	3261994135	3089407	3089407	326211H111	3011D11	3011D11
			3261994141	3089408	3089408	326211H231	3011D31	3011D31
3261502	3086D	30862 pt	3261994145	3089410	3089410	326211H239	3011D39	3011D39
3261502116	3086D16	3086210 pt	3261994151	3089420	3089420	326211HYVW	3011D00	3011D00
3261502126	3086D26	3086210 pt	3261994155	3089430	3089430			
3261502196	3086D96	3086210 pt	3261994161	3089440	3089440	326211W	30110	30110
3261502YVW	3086D00	3086200 pt	3261994191	3089490	3089490	326211WYVW	3011000	3011000
			3261994YVW	3089400	3089400	326211WYVY	3011002	3011002
3261503	3086F	30863 pt	3261995	30895	30895	3262120	75340	75340
3261503116	3086F16	3086310 pt	3261995111	3089501	3089501	3262120100	7534000 pt	7534000 pt
3261503196	3086F96	3086390 pt	3261995121	3089502	3089502	3262120YVW	7534000 pt	7534000 pt
3261503YVW	3086F00	3086300 pt	3261995131	3089503	3089503	3262120YVY	7534002	7534000 pt
			3261995YVW	3089500	3089500			
3261504	3086G	30864 pt	3261996 pt	30896	30896	3262201	30521	30521
3261504110	3086G25	3086420 pt	3261996 pt	30896	30896	3262201141	3052141	3052141
3261504215	3086G15	3086410 pt	3261996111	3089611	3089611	3262201143	3052143	3052143
3261504216	3086G16	3086410 pt	3261996115	3089612	3089612	3262201151 pt	3052151 pt	3052145
3261504227	3086G27	3086430 pt	3261996121	3089613	3089613	3262201151 pt	3052151 pt	3052149
3261504228	3086G28	3086430 pt	3261996125	3089614	3089614	3262201YVW	3052100	3052100
3261504237	3086G37	3086490 pt	3261996131	3089615	3089615			
3261504YVW	3086G00	3086400 pt	3261996135	3089616	3089616	3262202	30522	30522
			3261996141	3089617	3089617	3262202125	3052225	3052225
3261505	3086K	30865 pt	3261996145	3089618	3089618	3262202231	3052231	3052231
3261505100 pt	3086K00 pt	3086500 pt	3261996151	3089619	3089619	3262202245 pt	3052245 pt	3052241
3261505100 pt	3086K00 pt	3086590 pt	3261996155	3089621	3089621	3262202245 pt	3052245 pt	3052251
						3262202YVW	3052245 pt	3052289
3261506	3086M	30866 pt	3261996161	3089622	3089622	3052200	3052200	3052200
3261506116	3086M16	3086610 pt	3261996165	3089623	3089623	3262203	3052A	3052A
3261506196	3086M96	3086690 pt	3261996171	3089624	3089624	3262203101	3052A01	3052A01
3261506YVW	3086M00	3086600 pt	3261996175	3089625	3089625	3262203105	3052A02	3052A02
			3261996181	3089626	3089626	3262203YVW	3052A00	3052A00
3261509 pt	3086N pt	30861 pt	3261996185 pt	3089627	3089627	3262204	3052B	3052B
3261509 pt	3086N pt	30862 pt	3261996185 pt	3089627	3089627	3262204100	3052B00	3052B00
3261509 pt	3086N pt	30863 pt	3261996185 pt	3089627	3089627			
3261509 pt	3086N pt	30864 pt	3261996185 pt	3089627	3089627	3262205	3052C	3052C
3261509 pt	3086N pt	30865 pt	3261996185 pt	3089627	3089627	3262205100	3052C00	3052C00
			3261996YVW pt	3089600	3089600			
3261509100 pt	3086N00 pt	30866 pt	3261996YVW pt	3089600	3089600	3262206	3052D	3052D
3261509100 pt	3086N00 pt	3086100 pt	3261997	30897 pt	30897 pt	3262206101	3052D01	3052D01
3261509100 pt	3086N00 pt	3086200 pt	3261997111	3089701	3089701	3262206105	3052D02	3052D02
3261509100 pt	3086N00 pt	3086210 pt	3261997121	3089719	3089719	3262206YVW	3052D00	3052D00
3261509100 pt	3086N00 pt	3086220 pt	3261997YVW	3089700 pt	3089700 pt			
3261509100 pt	3086N00 pt	3086290 pt				3262207	3052F	3052F
3261509100 pt	3086N00 pt	3086300 pt	3261998	30898 pt	30898 pt	3262207125 pt	3052F25 pt	3052F10
3261509100 pt	3086N00 pt	3086310 pt	3261998111	3089801	3089801	3262207125 pt	3052F25 pt	3052F20
3261509100 pt	3086N00 pt	3086390 pt	3261998131	3089803	3089803	3262207145 pt	3052F45 pt	3052F30
3261509100 pt	3086N00 pt	3086400 pt	3261998141	3089804	3089804	3262207145 pt	3052F45 pt	3052F40
3261509100 pt	3086N00 pt	3086410 pt	3261998152	3089804	3089804	3262207YVW	3052F00	3052F00
			3261998157	3089816	3089805 pt			
3261509100 pt	3086N00 pt	3086420 pt	3261998171 pt	3089817 pt	3089806	3262208	3052G	3052G
3261509100 pt	3086N00 pt	3086430 pt	3261998171 pt	3089817 pt	3089807	3262208125 pt	3052G25 pt	3052G10
3261509100 pt	3086N00 pt	3086490 pt	3261998181	3089818	3089808	3262208125 pt	3052G25 pt	3052G20
3261509100 pt	3086N00 pt	3086500 pt	3261998191 pt	3089819 pt	3089808	3262208145 pt	3052G45 pt	3052G30
3261509100 pt	3086N00 pt	3086590 pt	3261998191 pt	3089819 pt	3089809	3262208145 pt	3052G45 pt	3052G40
3261509100 pt	3086N00 pt	3086600 pt	3261998YVW	3089800 pt	3089800 pt	3262208YVW	3052G00	3052G00
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326150W	30860 pt	30860 pt				326220WYVY	3052002	3052002
326150WYVW	3086000 pt	3086000 pt	326199A	3089A	3089A	3262911	30611	30611
326150WYVY	3086000 pt	3086002 pt	326199A111	3089A11	3089A11	3262911100	3061100	3061100
			326199A121	3089A12	3089A12			
3261600	30850	30850	326199A131	3089A14	3089A14	3262912	30612	30612
3261600100	3085000 pt	3085000 pt	326199A141	3089A18	3089A18	3262912100	3061200	3061200
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3261910YVW	3088000 pt	3088000 pt	326199WYVW pt	3089000 pt	3089000 pt	3262914100	3061400	3061400
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			326211112	3011112	3011112	3262916100	3061600	3061600
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			3262111YVW	3011100	3011100	3262917	30617	30617
3261920 pt	30694 pt	30694 pt				3262917100	3061700	3061700
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3261920110 pt	3069429 pt	3069425 pt	326211322	3011222	3011222			
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3262997135	3069C17	3069C17	3271250YWY	3297002	3297002	3273320231	3272124	3272124
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3271130161	3264018	3264018	327215WYWY	3231002	3231002	3279101YVV	3291500	3291500

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327993WYVW.....	3296000.....	3296000.....	331221WYVW.....	3315115.....	3315115.....	3313191.....	33551.....	33551.....
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1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published
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331319W pt	33550	33550	3314911106	3356164	3356164	3315113206	3321224	3321224
331319W pt	33570 pt	33570 pt	3314911111	3356165	3356165	3315113211	3321231	3321231
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331319WYWW pt	3355002	3355002	3314913	33562	33562	3315113YVW	3321200	3321200
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3314110106	3331217	3331217	3314915100	3357300	3357300	3315115YVW	3321700	3321700
3314110111	3331230	3331230	3314917	33574 pt	33575 pt	3315117	33218	33218
3314110YVW pt	3331000	3331000	3314917400 pt	3357405	3357500 pt	3315117101	3321822	3321822
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3314193101 pt	3339231 pt	3339231 pt	3314919116	3356391	3356391	3315117YVW	3321800	3321800
3314193101 pt	3339231 pt	3339231 pt	3314919YVW	3356300	3356300	3315119	33219	33219
3314193101 pt	3339255	3339255	3314919101	33569	33569	3315119101	3321931	3321931
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3314193YVW	3339200	3339200	3314919111	3356951	3356951	3315119116	3321998	3321998
3314197	33395	33395	3314919121	3356957	3356957	3315119206	3321939	3321939
3314197101	3339525	3339525	3314919126	3356994	3356994	3315119YVW	3321900	3321900
3314197206	3339535	3339535	3314919126	3356996	3356996	331511A	33221	33221
3314197311	3339545	3339545	3314919131	3356997	3356997	331511A100	3322100	3322100
3314197YVW	3339500	3339500	3314919C126	3356999	3356999	331511C	33222	33222
3314199	33398	33398	3314919C216	3356997	3356997	331511C300	3322200	3322200
3314199101	3339805	3339805	3314919C216	3356993	3356993	331511E	33216	33216
3314199103	3339833	3339833	3314919C216	3356900	3356900	331511E200	3321600	3321600
3314199106 pt	3339851 pt	3339851 pt	331491E	33576	33576	331511W pt	33210	33210
3314199106 pt	3339851 pt	3339851 pt	331491E100	3357600	3357600	331511W pt	33220	33220
3314199121	3339873	3339873	331491G	33577	33577	331511WYVW pt	3321000	3321000
3314199126 pt	3339889 pt	3339889 pt	331491G100	3357700	3357700	331511WYVW pt	3322000	3322000
3314199126 pt	3339889 pt	3339889 pt	331491W pt	33560	33560	331511WYVW pt	3321002	3321002
3314199131	3339899	3339899	331491W pt	33560 pt	33570 pt	331511WYVW pt	3322002	3322002
3314199YVW	3339800	3339800	331491WYVW pt	3357000 pt	3357000 pt	3315120	33240	33240
331419W	33390	33390	331491WYVW pt	3356002	3356002	3315120101	3324063	3324063
331419WYVW	3339000	3339000	331491WYVW pt	3357002 pt	3357002 pt	3315120106	3324064	3324064
331419WYVW	3339002	3339002	3314921	33991 pt	33991 pt	3315120216	3324067	3324067
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3314213YVW	3351300	3351300	3314921YVW	3399100 pt	3399100 pt	3315131YVW	3325200	3325200
3314217	33514	33514	3314923	33413	33413	3315133	33254	33254
3314217101	3351413	3351413	3314923101	3341311	3341311	3315133101	3325421	3325421
3314217206	3351435	3351435	3314923206	3341321	3341321	3315133106	3325431	3325431
3314217YVW	3351400	3351400	3314923211	3341333	3341333	3315133YVW	3325400	3325400
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3314219101	3351516	3351516	3314923221	3341399	3341399	3315135101	3325551	3325551
3314219211	3351536	3351536	3314923YVW	3341300	3341300	3315135106	3325555	3325555
3314219306	3351518	3351518	3314927	33414	33414	3315135111	3325559	3325559
3314219316	3351538	3351538	3314927101 pt	3341431 pt	3341405	3315135YVW	3325500	3325500
3314219YVW	3351500	3351500	3314927101 pt	3341431 pt	3341405	331513W	33250	33250
331421W	33510	33510	3314927101 pt	3341431 pt	3341405	331513WYVW	3325000	3325000
331421WYVW	3351000	3351000	3314927206	3341411	3341411	331513WYVW	3325002	3325002
331421WYVW	3351002	3351002	3314927YVW	3341400	3341400	3315210	33630	33630
3314221	33572	33572	3314929	33415	33415	3315210000	3363000 pt	3363000 pt
3314221101	3357211	3357211	3314929101	3341525	3341525	3315210YVW	3363000 pt	3363000 pt
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3314221211	3357271	3357271	3314929211	3341545	3341545	3315220	33640	33640
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3314221YVW	3357200	3357200	331492A pt	33134 pt	33134 pt	3315220206	3364021	3364021
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3314223300 pt	3357402	3357500 pt	331492A101 pt	3313417	3313415 pt	3315220416	3364041	3364041
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331422W	33570 pt	33570 pt	331492A111	3313488	3313489 pt	3315220YVW	3364000	3364000
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3314230 pt	33410 pt	33410 pt	331492A311	3313400 pt	3313400 pt	3315240206	3365031	3365031
3314230 pt	33412	33412	331492AYVW pt	3313400 pt	3313400 pt	3315240311	3365051	3365051
3314230 pt	33990 pt	33990 pt	331492AYVW pt	3313400 pt	3313400 pt	3315240416	3365073	3365073
3314230101	33991 pt	33991 pt	331492W pt	33130 pt	33130 pt	3315240421	3365061	3365061
3314230101	3341224	3341224	331492W pt	33410 pt	33410 pt	3315240YVW	3365000	3365000
3314230106	3399133	3399133	331492W pt	33410 pt	33410 pt	3315240YVW	3365002	3365002
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3314230YVW pt	3341200	3341200	331492WYVW pt	3313000 pt	3313000 pt	3315250221	3366025	3366025
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3314230YVW pt	3399100 pt	3399100 pt	331492WYVW pt	3313002 pt	3313002 pt	3315250416	3366024	3366024
3314230YVW pt	3341002 pt	3341002 pt	331492WYVW pt	3313002 pt	3313002 pt	3315250426	3366026	3366026
3314230YVW pt	3399002 pt	3399002 pt	3315111	33211	33211	3315250531	3366031	3366031
3314230YVW pt	3399000 pt	3399000 pt	3315111106	3321123	3321123	3315250536	3366041	3366041
3314230YVW pt	3399100 pt	3399100 pt	3315111111	3321125	3321125	3315250541	3366051	3366051
3314230YVW pt	3341002 pt	3341002 pt	3315111116	3321126	3321126	3315250546	3366061	3366061
3314230YVW pt	3399002 pt	3399002 pt	3315111201	3321121	3321121	3315250651	3366072	3366072
3314230YVW pt	3399002 pt	3399002 pt	3315111YVW	3321100	3321100	3315250YVW	3366000	3366000
3314230YVW pt	3399002 pt	3399002 pt						

1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published
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3315280201	3369011	3369011	332116WYWY	3469002 pt	3469002 pt	3322129341	3545573	3545573
3315280206	3369015	3369015				3322129451	3545579	3545579
3315280211	3369023	3369023	3321170 pt	34990 pt	34990 pt	3322129YVW pt	3545500	3545500
3315280221 pt	3369099 pt	3369091	3321170 pt	34996	34996	3322129YVW pt	3699200 pt	3699200 pt
3315280221 pt	3369099 pt	3369097	3321170106	3499633	3499633			
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3315280YWY	3369002	3369002	3321170321	3499677	3499677	332212W pt	35230 pt	35230 pt
			3321170401	3499611	3499611	332212W pt	35240 pt	35240 pt
3321111	34625	34625	3321170416	3499666	3499666	332212W pt	35450 pt	35450 pt
3321111101	3462511	3462511	3321170426	3499688	3499688	332212W pt	36990 pt	36990 pt
3321111206	3462513	3462513	3321170YWW pt	3499000 pt	3499000 pt	332212W pt	37990 pt	37990 pt
3321111311	3462515	3462515	3321170YWW pt	3499600	3499600			
3321111416	3462517	3462517	3321170YWY	3499002 pt	3499002 pt	332212W pt	3990 pt	3990 pt
3321111YVW	3462500	3462500				332212W pt	39990 pt	39990 pt
			3322111 pt	34211	34211	332212WYVW pt	3423000	3423000
3321113	34626	34626	3322111 pt	39142 pt	39142 pt	332212WYVW pt	3523000 pt	3523000 pt
3321113101	3462611	3462611	3322111101	3421111	3421111	332212WYVW pt	3545000 pt	3545000 pt
3321113106	3462613	3462613	3322111103	3914245	3914270 pt	332212WYVW pt	3699000 pt	3699000 pt
3321113111	3462616	3462616	3322111106	3914155	3914170 pt	332212WYVW pt	3799000 pt	3799000 pt
3321113YVW	3462600	3462600	3322111211	3421125	3421125	332212WYVW pt	3999000 pt	3999000 pt
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3321115	34627	34627	3322111326	3421153	3421153	332212WYVW pt	3523002 pt	3523002 pt
3321115101	3462712	3462712	3322111331	3421155	3421155	332212WYVW pt	3524002 pt	3524002 pt
3321115106	3462716	3462716	3322111336	3421157	3421157	332212WYVW pt	3545002 pt	3545002 pt
3321115YVW	3462700	3462700	3322111344	3421159	3421159	332212WYVW pt	3699002 pt	3699002 pt
			3322111455	3421180	3421180	332212WYVW pt	3799002 pt	3799002 pt
3321117	34628	34628	3322111YVW pt	3421100	3421100	332212WYVW pt	3999002 pt	3999002 pt
3321117101	3462812	3462812	3322111YVW pt	3914200 pt	3914200 pt			
3321117106	3462816	3462816	3322113	34212	34212	3322130	34250	34250
3321117YVW	3462800	3462800	3322113101	3421205	3421205	3322130101	3425011	3425011
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332111W	34620	34620	3322113111	3421216	3421216	3322130111	3425016	3425016
332111WYWW	3462000	3462000	3322113YVW	3421200	3421200	3322130116	3425018	3425018
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			332211W pt	34210	34210	3322130226	3425031	3425031
3321121	34635	34635	332211W pt	39140 pt	39140 pt	3322130231	3425035	3425035
3321121101	3463521	3463521	332211WYWW pt	3421000	3421000	3322130236	3425036	3425036
3321121206	3463523	3463523	332211WYWW pt	3914000 pt	3914000 pt	3322130244	3425039	3425039
3321121311	3463525	3463525	332211WYWW pt	3421002	3421002	3322130255	3425041	3425041
3321121316	3463529	3463529	332211WYWW pt	3914002 pt	3914002 pt			
3321121YVW	3463500	3463500				3322130361	3425043	3425043
			332212	34212	34212	3322130365	3425045	3425045
3321122	34639	34639	3322121 pt	34231	34231	3322130377	3425049	3425049
3321122101	3463915	3463915	3322121 pt	39999 pt	39999 pt	3322130YVW	3425000	3425000
3321122106	3463925	3463925	3322121101	3423112	3423112	3322130YVW	3425002	3425002
3321122111	3463935	3463935	3322121206	3423113	3423113			
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			3322121351	3423141	3423141	3322141111	3469411	3469411
332112W	34630	34630	3322121356	3423151	3423151	3322141121	3469414	3469414
332112WYWW	3463000	3463000	3322121361	3423155	3423155	3322141231	3469417	3469417
332112WYVW	3463002	3463002	3322121365	3999971	3999999 pt	3322141241	3469429	3469429
			3322121399	3423197	3423197	3322141YVW	3469400	3469400
3321140 pt	34490 pt	34490 pt	3322121416	3423131	3423131			
			3322121421	3423133	3423133	3322143	34695	34695
3321140 pt	34498	34498	3322121426	3423136	3423136	3322143101	3469507	3469507
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3321140206	3449813	3449813	3322121436	3423138	3423138	3322143221	3469515	3469515
3321140311	3449815	3449815	3322121444	3423139	3423139	3322143231 pt	3469525 pt	3469525 pt
3321140416	3449817	3449817	3322121YVW pt	3423100	3423100	3322143231 pt	3469525 pt	3469525 pt
3321140YVW pt	3449000 pt	3449000 pt	3322121YVW pt	3999900 pt	3999900 pt	3322143241 pt	3469599 pt	3469599 pt
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3321140YVW pt	3449002 pt	3449002 pt	3322123 pt	34234	34234	3322143YVW	3469500	3469500
3321150 pt	34660	34660	3322123 pt	3523E pt	3523E pt			
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3321150 pt	34661	34661	3322123101	3523E pt	3523E pt	332214WYWW	3469000 pt	3469000 pt
3321150101	3466105	3466105	3322123106	3423414	3423414	332214WYVW	3469002 pt	3469002 pt
3321150103 pt	3466200 pt	3466200	3322123111	3423433	3423433			
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3321150103 pt	3466200 pt	3466200	3322123126	3423498	3423498	3323111106	3448117	3448117
3321150106 pt	3466123 pt	3466120	3322123YVW pt	3523E00 pt	3523E00 pt	3323111111	3448118	3448118
3321150106 pt	3466123 pt	3466122	3322123YVW pt	3423400	3423400	3323111201	3448115	3448115
3321150YVW pt	3466000	3466000	3322123YVW pt	3423400 pt	3423400 pt	3323111YVW	3448100	3448100
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			3322125101	3423511	3423511	3323113101	3448211	3448211
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3321161115	3469215	3469215	3322125316	3423522	3423522	3323113216	3448216	3448216
3321161205	3469205	3469205	3322125321	3423531	3423531	3323113221	3448217	3448217
3321161311	3469211	3469211	3322125333	3423541	3423541	3323113226	3448218	3448218
3321161331	3469231	3469231	3322125YVW	3423500	3423500	3323113231	3448226	3448226
3321161352	3469252	3469252				3323113236	3448227	3448227
3321161354	3469253	3469253	3322127 pt	34236	34236	3323113241	3448254	3448254
3321161388	3469288	3469288	3322127 pt	35241 pt	35241 pt	3323113YVW	3448200	3448200
3321161398	3469298	3469298	3322127 pt	37999 pt	37999 pt			
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			3322127111	3423621	3423621	332311WYWW	3448000	3448000
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3321161525	3469225	3469225	3322127121	3423641	3423641			
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3321161571	3469271	3469271	3322127136	3423685	3423685	3323121 pt	34494	34494
3321161584	3469284	3469284	3322127141	3799906	3799923 pt	3323121101 pt	3441141	3441141
3321161YVW	3469200	3469200	3322127199	3423698	3423698	3323121101 pt	3449443	3449443
			3322127226	3524101 pt	3524100 pt	3323121206 pt	3441142	3441142
3321163	34696	34696	3322127YVW pt	3423600	3423600	3323121206 pt	3449447	3449447
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			3322127YVW pt	3799900 pt	3799900 pt	3323121211 pt	3449452	3449452
3321165	34699	34699				3323121216	3441144	3441144
3321165101	3469941	3469941	3322129 pt	35455	35455	3323121221	3441146	3441146
3321165211	3469948	3469948	3322129 pt	36992 pt	36992 pt	3323121226	3441147	3441147
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3323125116	3441326	3441326	332321WYWW pt	3449000 pt	3449000 pt	332323WYWW pt	3523000 pt	3523000 pt
3323125121	3441329	3441329	332321WYWW pt	2499002 pt	2499002 pt	332323WYWW pt	3446002	3446002
3323125126	3441359	3441359	332321WYWW pt	3442002	3442002	332323WYWW pt	3449002 pt	3449002 pt
3323125131	3441384	3441384	332321WYWW pt	3449002 pt	3449002 pt	332323WYWW pt	3523002 pt	3523002 pt
3323125136	3441398	3441398	3323221	34441	34441	3324101	34431	34431
3323125201	3441316	3441316	3323221101	3444121	3444121	3324101101	3443113	3443113
3323125YVV	3441300	3441300	3323221106	3444123	3444123	3324101206	3443118	3443118
332312W pt	34410	34410	3323221211	3444127	3444127	3324101311	3443155	3443155
332312WYWW pt	34490 pt	34490 pt	3323221216	3444129	3444129	3324101YVV	3443100	3443100
332312WYWW pt	3441000	3441000	3323221YVV	3444100	3444100	3324105	34433	34433
332312WYWW pt	3449000 pt	3449000 pt	3323223	34442	34442	3324105101	3443308	3443308
332312WYWW pt	3441002	3441002	3323223101	3444213	3444213	3324105106 pt	3443331 pt	3443310
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3323130 pt	34430 pt	34430 pt	3323223111	3444219	3444219	3324105111 pt	3443332 pt	3443315
3323130 pt	34430 pt	34430 pt	3323223YVV	3444200	3444200	3324105111 pt	3443332 pt	3443324
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3323130111	3443244	3443244	3323227101	3444411	3444411	3324105126 pt	3443333 pt	3443330
3323130116	3443246	3443246	3323227206	3444417	3444417	3324105131 pt	3443336 pt	3443328
3323130121	3443248	3443248	3323227211	3444423	3444423	3324105131 pt	3443336 pt	3443334
3323130226	3443252	3443252	3323227216	3444429	3444429	3324105146	3443339	3443335
3323130231	3443254	3443254	3323227221	3444431	3444431	3324105151 pt	3443342 pt	3443337
3323130236	3443256	3443256	3323227YVV	3444400	3444400	3324105161 pt	3443343 pt	3443341
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3323130346	3443299	3443298 pt	3323229106	3444516	3444516	3324105171 pt	3443345 pt	3443346
3323130406	3443236	3443236	3323229111	3444517	3444517	3324105171 pt	3443345 pt	3443347
3323130YVV pt	3443000 pt	3443000 pt	3323229116	3444518	3444518	3324105181	3443348	3443348
3323130YVV pt	3443200	3443200	3323229121	3444519	3444519	3324105186	3443351	3443351
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3323211116	3442119	3442119	332322A106	3444725	3444725	332410WYVY	3443002 pt	3443002 pt
3323211119	3442121	3442121	332322A111	3444731	3444731	3324207	34434	34434
3323211201	3442105	3442105	332322A116	3444741	3444741	3324207101	3443414	3443414
3323211204	3442107	3442107	332322A1YVV	3444700	3444700	3324207106	3443416	3443416
3323211207	3442109	3442109	332322C	34448	34448	3324207YVV	3443400	3443400
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3323211837	3442127	3442127	3323231	34461	34461	332420E101	3443803	3443803
3323211YVV	3442100	3442100	3323231106	3446112	3446112	332420E106	3443805	3443805
3323213	34422	34422	3323231111	3446115	3446115	332420E211	3443808	3443808
3323213101	3442220	3442220	3323231116	3446117	3446117	332420E216	3443813	3443813
3323213111	3442222	3442222	3323231201	3446110	3446110	332420E221	3443820	3443820
3323213116	3442224	3442224	3323231YVV	3446100	3446100	332420E226	3443822	3443822
3323213121	3442230	3442230	3323233 pt	34462	34462	332420EYVV	3443800	3443800
3323213226	3442235	3442235	3323233 pt	34496	34496	332420G	34439	34439
3323213231	3442241	3442241	3323233101 pt	3446210	3446210	332420G101	3443915	3443915
3323213236	3442242	3442242	3323233101 pt	3446210	3446210	332420G106	3443917	3443917
3323213241	3442243	3442243	3323233106 pt	3446212	3446212	332420G111	3443919	3443919
3323213246	3442249	3442249	3323233106 pt	3446232	3446232	332420G116	3443923	3443923
3323213251	3442298	3442298	3323233106 pt	3446222	3446222	332420G121	3443931	3443931
3323213306	3442221	3442221	3323233211	3446226	3446226	332420G126	3443932	3443932
3323213YVV	3442200	3442200	3323233216	3446200	3446200	332420G131	3443933	3443933
3323215 pt	24991 pt	24991 pt	3323233221	3446200	3446200	332420G136	3443934	3443934
3323215 pt	34423	34423	3323233YVV pt	3449600	3449600	332420G141	3443936	3443936
3323215 pt	34497	34497	3323233YVV pt	34463	34463	332420G246	3443951	3443951
3323215101 pt	3449773	3449773	3323235	3446310	3446310	332420G351	3443953	3443953
3323215106 pt	2499141	2499141	3323235101	3446312	3446312	332420G356	3443958	3443958
3323215106 pt	3449775	3449775	3323235106	3446320	3446320	332420GYVV	3443900	3443900
3323215106 pt	3449775	3449775	3323235216	3446322	3446322	332420W	34430 pt	34430 pt
3323215111 pt	3449779	3449779	3323235YVV	3446300	3446300	332420WYWW	3443000 pt	3443000 pt
3323215111 pt	2499100 pt	2499100 pt	3323237	34464	34464	332420WYVY	3443002 pt	3443002 pt
3323215YVV pt	3449700	3449700	3323237101	3446410	3446410	3324311	34111	34111
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3323217	34424	34424	3323237111	3446416	3446416	3324311206	3411191	3411191
3323217101	3442411	3442411	3323237116	3446418	3446418	3324311YVV	3411100	3411100
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3323219	34425	34425	3323239106	3446512	3446512	332431WYWW	3411000	3411000
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3323219106	3442512	3442512	3323239201	3446510	3446510	3324391 pt	34121	34121
3323219111	3442551	3442551	3323239311	3523E84	3523E00 pt	3324391100	34998 pt	34998 pt
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3323219YVV pt	3442500	3442500	3323239YVV pt	3523E00 pt	3523E00 pt	3324391311	3499825	3499825
332321W pt	24990 pt	24990 pt	332323W pt	34460	34460	3324391YVV pt	3412100 pt	3412100 pt
332321W pt	34420	34420	332323W pt	34490 pt	34490 pt	3324391YVV pt	3499800 pt	3499800 pt
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3324395 pt.....	34443	34443	3326111101	3493105	3493105	3327215111	3451231	3451231
3324395101 pt	3412313	3412313	3326111106	3493106	3493106	3327215222	3451242	3451242
3324395101 pt	3444314	3444314	3326111216	3493155	3493155	3327215333	3451252	3451252
3324395106 pt	3429300	3429300	3326111221	3493157	3493157	3327215444	3451257	3451257
3324395106 pt	3444324	3444324	3326111311	3493116	3493116	3327215555	3451262	3451262
3324395106 pt	3444324	3444324	3326111326	3493199	3493199	3327215666	3451239	3451239
3324395199	3412319	3412319	3326111YVW	3493100	3493100	3327215699	3451298	3451298
3324395YVW pt	3412300	3412300	33261113	34932	34932	3327215YVW	3451200	3451200
3324395YVW pt	3444300	3444300	3326113101	3493210	3493210	332721W	34510	34510
3324397	35373 pt	35373 pt	3326113106	3493220	3493220	332721WYVW	3451000	3451000
3324397100	3537334	3537300 pt	3326113YVW	3493200	3493200	332721WYVY	3451002	3451002
332439W pt.....	34120	34120	332611W	34930	34930	3327221	34527	34527
332439W pt.....	34290 pt	34290 pt	332611WYVW	3493000	3493000	33272211101	3452701	3452701
332439W pt.....	34440 pt	34440 pt	332611WYVY	3493002	3493002	33272211106	3452706	3452706
332439W pt.....	34990 pt	34990 pt	332612	34952	34952	33272211115	3452715	3452715
332439W pt.....	34440 pt	34440 pt	332612211	3495215	3495215	33272211145	3452745	3452745
332439W pt.....	34990 pt	34990 pt	3326122116	3495217	3495217	33272211159	3452759	3452759
332439W pt.....	35370 pt	35370 pt	3326122201	3495212	3495212	33272211172	3452761	3452761
332439WYVW pt	3412000	3412000	3326122206	3495214	3495214	33272211178	3452762	3452762
332439WYVW pt	3429000 pt	3429000 pt	3326122YVW	3495200	3495200	3327221184	3452763	3452763
332439WYVW pt	3440000 pt	3440000 pt	3326124	34953 pt	34953 pt	3327221YVW	3452700	3452700
332439WYVW pt	3499000 pt	3499000 pt	3326124111	3495317	3495317	3327223	34524	34524
332439WYVW pt	3537000 pt	3537000 pt	3326124201	3495311	3495311	3327223111	3452411	3452411
332439WYVY pt	3412002	3412002	3326124216	3495318	3495318	33272231122	3452412	3452412
332439WYVY pt	3429002 pt	3429002 pt	3326124221 pt	3495320 pt	3495320 pt	3327223133	3452419	3452419
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332439WYVY pt	3537002 pt	3537002 pt	3326124231	3495399	3495399 pt	3327223199	3452489	3452489
3325101	34292	34292	3326124YVW	3495300 pt	3495300 pt	3327223YVW	3452400	3452400
3325101101	3429212	3429212	332612W	34950 pt	34950 pt	3327225	34525	34525
3325101106	3429213	3429213	332612WYVW	3495000 pt	3495000 pt	3327225104	3452504	3452504
3325101111	3429214	3429214	332612WYVY	3495002 pt	3495002 pt	3327225129	3452529	3452529
3325101116	3429216	3429216	3326181	34961	34961	3327225189	3452589	3452589
3325101121	3429253	3429253	3326181101	3496113	3496113	3327225YVW	3452500	3452500
3325101133	3429255	3429255	3326181103	3496115	3496115	3327227	34526	34526
3325101YVW	3429200	3429200	33261811105	3496134	3496134	3327227109	3452609	3452609
3325103 pt.....	34294	34294	33261811107	3496152	3496152	3327227115	3452615	3452615
3325103 pt.....	34991	34991	3326181YVW	3496100	3496100	3327227135	3452635	3452635
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3325103111 pt	3429415 pt	3429413	3326182101	3399211	3399211	3327227YVW	3452600	3452600
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3325103121	3429417	3429417	3326182YVW	3399200	3399200	3327229105	3452831	3452831
3325103125	3499117	3499117	3326183	34964	34964	3327229115	3452811	3452811
3325103126	3429418	3429418	3326183100	3496400	3496400	3327229135	3452821	3452821
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3325103131	3429419	3429419	3326187	34966	34966	332722W	34520	34520
3325103133	3429422	3429422	3326187101	3496613	3496613	332722WYVW	3452000	3452000
3325103137	3499199	3499198 pt	3326187103	3496621	3496621	332722WYVY	3452002	3452002
3325103216	3429416	3429416	3326187105	3496635	3496635	3328110	33980	33980
3325103336	3429423	3429423	3326187107	3496671	3496671	3328110100	3398000 pt	3398000 pt
3325103341	3429424	3429424	3326187YVW	3496600	3496600	3328110YVW	3398000 pt	3398000 pt
3325103346	3429427	3429427	3326189	33152 pt	33152 pt	3328110YVY	3398002	3398002
3325103361	3429437	3429437	3326189101	3315202	3315201 pt	3328120	34790 pt	34790 pt
3325103363	3429442	3429442	3326189103	3315204	3315203 pt	3328120101	3479010	3479010
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3325103451	3429433	3429433	3326189109	3315211	3315209 pt	3328120116	3479028	3479021 pt
3325103456	3429436	3429436	3326189111 pt	3315212 pt	3315210 pt	3328120141	3479081	3479081
3325103569	3429452	3429452	3326189111 pt	3315212 pt	3315213 pt	3328120146	3479077	3479077
3325103571	3429453	3429453	3326189113	3315215	3315216 pt	3328120221	3479031	3479031
3325103573	3429454	3429454	3326189115	3315221	3315222 pt	3328120326	3479061	3479061
3325103575	3429461	3429461	3326189117	3315224	3315223 pt	3328120431	3479073	3479073
3325103579	3429462	3429462	3326189119	3315226	3315225 pt	3328120536	3479075	3479075
3325103581	3429464	3429464	3326189121	3315231	3315230 pt	3328120YVW	3479000 pt	3479000 pt
3325103583	3429466	3429466	3326189YVW	3315200 pt	3315200 pt	3328120YVY	3479002 pt	3479002 pt
3325103685	3429471	3429471	332618B	34968	34968	3328130	34710	34710
3325103687	3429473	3429473	332618B105	3496855	3496855	3328130100	3471000 pt	3471000 pt
3325103689	3429481	3429481	332618B217	3496883	3496883	3328130YVW	3471000 pt	3471000 pt
3325103691	3429491	3429491	332618B319	3496885	3496885	3328130YVY	3471002	3471002
3325103699	3429498	3429498	332618B401	3496842	3496842	3329111	34911	34911
3325103YVW pt	3429400	3429400	332618B403	3496851	3496851	3329111101	3491111	3491111
3325103YVW pt	3499100	3499100	332618B407	3496863	3496863	3329111103	3491121	3491121
3325105	34296	34296	332618B409	3496871	3496871	3329111105	3491123	3491123
3325105100	3429600	3429600	332618B411	3496873	3496873	3329111107	3491134	3491134
3325107	34297	34297	332618B413	3496875	3496875	3329111109	3491138	3491138
3325107101	3429711	3429711	332618B415	3496881	3496881	3329111111	3491143	3491143
3325107106	3429731	3429731	332618B421	3496898	3496898	3329111213	3491152	3491152
3325107111	3429798	3429798	332618BYVW	3496800	3496800	3329111YVW	3491100	3491100
3325107YVW	3429700	3429700	332618W pt.....	33150 pt	33150 pt	33291113	34912	34912
3325109	34298 pt	34298 pt	332618W pt.....	33990 pt	33990 pt	3329113101	3491201	3491201
3325109101	3429812	3429812	332618WYVW pt	34960	34960	3329113103	3491211	3491211
3325109106	3429822	3429822	332618WYVW pt	3315000 pt	3315000 pt	3329113105	3491221	3491221
3325109111	3429852	3429852	332618WYVW pt	3399000 pt	3399000 pt	3329113107	3491223	3491223
3325109121	3429865	3429865	332618WYVY pt	3496000	3496000	3329113109	3491231	3491231
3325109199	3429898	3429898	332618WYVY pt	3315002 pt	3315002 pt	3329113111	3491235	3491235
3325109YVW	3429800 pt	3429800 pt	332618WYVY pt	3399002 pt	3399002 pt	3329113113	3491241	3491241
332510W pt.....	34290 pt	34290 pt	3327100 pt.....	35990 pt	35990 pt	3329113215	3491243	3491243
332510WYVW pt....	34990 pt	34990 pt	3327100 pt.....	35990 pt	35990 pt	3329113YVW	3491200	3491200
332510WYVW pt....	3429000 pt	3429000 pt	3327100 pt.....	35995	35995	3329115	34913	34913
332510WYVW pt....	3499000 pt	3499000 pt	3327100YVW	3599500	3599500	3329115101	3491311	3491311
332510WYVY pt	3429002 pt	3429002 pt	3327100YVY	3599000 pt	3599000 pt	3329115103	3491323	3491323
332510WYVY pt	3499002 pt	3499002 pt	3327211	3599002 pt	3599002 pt	3329115105	3491335	3491335
332510WYVY pt	349							

1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published
3329994	35994 pt	35994 pt	333111W	35230 pt	35230 pt	3331321136 pt	3533730 pt	3533728
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3329994106	3599413	3599413	333111WYWY	3523002 pt	3523002 pt	3331321146	3533745	3533745
3329994111	3599415	3599415				3331321151	3533747	3533747
3329994116	3599416	3599416	3331121	35241 pt	35241 pt	3331321156	3533748	3533748
3329994121	3599425	3599425	3331121000 pt	3524100 pt	3524100 pt	3331321166 pt	3533759 pt	3533744
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			3331123	35244	35244	3331321271	3533761	3533761
3329997	34992	34992	3331123000	3524400	3524400	3331321YVW	3533700	3533700
3329997101	3499211	3499211						
3329997106	3499213	3499213	3331127	35246	35246	3331323	35338	35338
3329997YVW	3499200	3499200	3331127000	3524600	3524600	3331323101	3533831	3533831
						3331323106	3533851	3533851
3329999	34993	34993	333112W	35240 pt	35240 pt	3331323111	3533855	3533855
3329999100	3499300	3499300	333112WYWW	3524000 pt	3524000 pt	3331323122	3533898	3533898
			333112WYWY	3524002 pt	3524002 pt	3331323226	3533899	3533899
332999A	34995	34995				3331323YVW	3533800	3533800
332999A101	3499511	3499511	3331201 pt	35315 pt	3531A			
332999A106	3499521	3499521	3331201 pt	35315 pt	3531B	3331325	35339	35339
332999A111	3499531	3499531	3331201 pt	35314	3531C	3331325101	3533912	3533912
332999A116	3499539	3499539	3331201 pt	35311	3531E	3331325106	3533913	3533913
332999AYVW	3499500	3499500	3331201 pt	35312	3531F	3331325111	3533914	3533914
						3331325116	3533919	3533919
332999G pt	32918 pt	32918 pt	3331201 pt	35312	3531F	3331325121	3533921	3533921
332999G pt	34323 pt	34323 pt	3331201 pt	35316 pt	3531G pt	3331325126	3533953	3533953
						3331325133	3533955	3533955
332999G pt	34945 pt	34945 pt	3331201 pt	35313	3531G pt	3331325136	3533957	3533957
						3331325141	3533961	3533961
332999G pt	34998 pt	34998 pt	3331201 pt	3531G	3531G pt	3331325146	3533965	3533965
						3331325151	3533971	3533971
332999G pt	35373 pt	35373 pt	3331201 pt	35317	3531N pt	3331325199	3533998	3533998
						3331325256	3533982	3533982
332999G pt	39999 pt	39999 pt	3331201 pt	35316 pt	3531P pt	3331325YVW	3533900	3533900
332999G101	3499811	3499811	3331201 pt	35318	3531P pt			
332999G106	3499819	3499819	3331201110	3531100	3531E00	3331327	3533A	3533A
332999G189	3494571	3494571	3331201220	3531200	3531F00	3331327101	3533A10	3533A10
332999G301	3499829	3499829	3331201330	3531300	3531G00 pt	3331327210	3533A78	3533A78
332999G303	3499839	3499839	3331201440	3531400	3531C00	3331327YVW	3533A00	3533A00
332999G305	3537331	3537331	3331201550 pt	3531500 pt	3531A00			
332999G306 pt	3999991 pt	3999991 pt	3331201550 pt	3531500 pt	3531B00	3331329	3533B	3533B
332999G306 pt	3999991 pt	3999991 pt	3331201660 pt	3531600 pt	3531G00 pt	3331329101	3533B21	3533B21
332999G306 pt	3999991 pt	3999991 pt	3331201660 pt	3531600 pt	3531P20	3331329106	3533B32	3533B32
332999G306 pt	3999991 pt	3999991 pt	3331201770	3531700	3531N00 pt	3331329111	3533B34	3533B34
			3331201YVW pt	3531G00	3531G00 pt	3331329YVW	3533B00	3533B00
332999G313	3291831	3291831	3331201YVW pt	3531700 pt	3531N00 pt			
332999G316	3291835	3291890 pt	3331201YVW pt	3531600 pt	3531P00 pt	333132W	35330	35330
332999G399 pt	3432329	3432332 pt	3331208	35318	3531P pt	333132WYWW	3533000	3533000
332999G399 pt	3499898	3499899 pt	3331208110	3531807	3531P70	333132WYWY	3533002	3533002
332999GYVW pt	3291800 pt	3291800 pt	3331208115	3531823	3531P85			
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332999GYVW pt	3494500 pt	3494500 pt	3331208127	3531827	3531P07	3332103101	3553311	3553311
332999GYVW pt	3499800 pt	3499800 pt	3331208135	3531835	3531P11	3332103106	3553313	3553313
332999GYVW pt	3537300 pt	3537300 pt	3331208144	3531843	3531P25	3332103111	3553314	3553314
332999GYVW pt	3999900 pt	3999900 pt	3331208148	3531847	3531P22	3332103116	3553316	3553315 pt
			3331208152	3531845	3531P24	3332103121	3553317	3553315 pt
332999W pt	32910 pt	32910 pt	3331208156	3531849	3531P27	3332103126	3553318	3553315 pt
			3331208199 pt	3531899 pt	3531P74	3332103231	3553319	3553319
332999W pt	34940 pt	34940 pt	3331208199 pt	3531899 pt	3531P77	3332103236	3553321	3553321
			3331208199 pt	3531899 pt	3531P82	3332103241	3553323	3553323
332999W pt	34970 pt	34970 pt	3331208199 pt	3531899 pt	3531P97	3332103246	3553325	3553325
			3331208YVW	3531800	3531P00 pt			
332999W pt	35370 pt	35370 pt				3332103251	3553327	3553327
			3331209	35319	3531M pt	3332103256	3553329	3553329
332999W pt	35990 pt	35990 pt	3331209111	3531910	3531M03	3332103261	3553333	3553333
			3331209245	3531945	3531M01	3332103266	3553334	3553334
332999W pt	39990 pt	39990 pt	3331209352	3531920	3531M05	3332103271	3553335	3553335
332999WYVW pt	3291000 pt	3291000 pt	3331209353	3531930	3531M07 pt	3332103276	3553337	3553337
332999WYVW pt	3432000 pt	3432000 pt	3331209366 pt	3531960 pt	3531M07 pt	3332103279	3553339	3553338 pt
332999WYVW pt	3494000 pt	3494000 pt	3331209366 pt	3531960 pt	3531M21 pt	3332103283	3553341	3553338 pt
332999WYVW pt	3497000 pt	3497000 pt	3331209377	3531970	3531M08 pt	3332103287	3553343	3553338 pt
332999WYVW pt	3499000 pt	3499000 pt	3331209388	3531980	3531M21 pt	3332103291	3553349	3553338 pt
332999WYVW pt	3537000 pt	3537000 pt	3331209YVW	3531900	3531M00 pt	3332103396	3553387	3553387
332999WYVW pt	3599000 pt	3599000 pt				3332103YVW	3553300	3553300
332999WYVW pt	3999000 pt	3999000 pt	333120W	35310 pt	35310 pt			
332999WYVW pt	3291002 pt	3291002 pt	333120WYWW	3531000 pt	3531000 pt	3332105	35534	35534
332999WYVW pt	3432002 pt	3432002 pt	333120WYWY	3531002 pt	3531002 pt	3332105101	3553411	3553411
						3332105211	3553412	3553412
332999WYVW pt	3494002 pt	3494002 pt	333111	35325	35325	3332105221	3553413	3553413 pt
332999WYVW pt	3497002 pt	3497002 pt	333111000	3532500	3532500	3332105231	3553417	3553413 pt
332999WYVW pt	3499002 pt	3499002 pt	333113	35326	35326	3332105241	3553419	3553413 pt
332999WYVW pt	3537002 pt	3537002 pt	333113100	3532600	3532600	3332105251	3553421	3553413 pt
332999WYVW pt	3599002 pt	3599002 pt				3332105YVW	3553400	3553400
332999WYVW pt	3999002 pt	3999002 pt						
			3331135	35327	35327	333210W	35530	35530
3331111	35231	35231	3331135000	3532700	3532700	333210WYWW	3553000	3553000
3331111000	3523100	3523100				333210WYWY	3553002	3553002
			3331137	35328	35328			
3331113	35232 pt	35232 pt	3331137000	3532800	3532800			
3331113000	3523200 pt	3523200 pt				3332201	35593	35593
			3331139	35329	35329	3332201106	3559303	3559303
3331117	35233	35233	3331139101	3532923	3532931 pt	3332201111	3559305	3559305
3331117000	3523300	3523300	3331139106	3532925	3532935	3332201116	3559307	3559307
			3331139111	3532927	3532942	3332201121	3559309	3559309
3331119	35235	35235	3331139121	3532929	3532931 pt	3332201201	3559301	3559301
3331119000	3523500	3523500	3331139321	3532961	3532972 pt	3332201226	3559311	3559311
			3331139426	3532963	3532972 pt	3332201231	3559313	3559313
333111A	35236	35236	3331139531	3532965	3532972 pt	3332201236	3559315	3559315
333111A000	3523600	3523600	3331139636	3532967	3532972 pt	3332201341	3559317	3559317
			3331139744	3532969	3532972 pt	3332201346	3559319	3559319
333111C	35239	35239	3331139YVW	3532900	3532900			
333111C110	3523926	3523926				3332201351	3559321	3559321
333111C220 pt	3523931	3523931	3331131W	35320	35320	3332201356	3559323	3559323
333111C220 pt	3523953	3523953	3331131YVW	3532000	3532000	3332201361	3559324	3559325 pt
333111CYVW	3523900	3523900	3331131YVWY	3532002	3532002	3332201366	3559326	3559325 pt
						3332201371	3559328	3559325 pt
333111E	3523C	3523C	33311321	35337	35337	3332201476	3559342	3559341 pt
333111E000	3523C00	3523C00	33311321101 pt	3533710 pt	3533711	3332201481	3559344	3559341 pt
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1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published
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3332203YVW	3559400	3559400	3332933101	3555203	3555203	3332950431	3559625	3559625
333220W	35590 pt	35590 pt	3332933111	3555205	3555205	3332950436	3559627	3559627
333220WYWW	3559000 pt	3559000 pt	3332933221	3555211	3555209 pt	3332950441 pt	3559630 pt	3559629
333220WYVY	3559002 pt	3559002 pt	3332933231	3555213	3555209 pt	3332950446	3559633	3559631
3332911	35543	35543	3332933251	3699243	3699200 pt	3332950451	3559653	3559633 pt
3332911101	3554317	3554301 pt	3332933261	3555219	3555209 pt	3332950456	3559655	3559633 pt
3332911106	3554319	3554301 pt	3332933YVW pt	3555200	3555200	3332950461	3559657	3559633 pt
3332911111	3554302	3554302	3332933YVW pt	3699200 pt	3699200 pt	3332950466 pt	3559659	3559633 pt
3332911116	3554303	3554303	3332933	35553	35553	3332950466 pt	3559636 pt	3559635
3332911121	3554304	3554304	33329335101	3555305	3555300 pt	3332950471	3559636 pt	3559637
3332911126	3554305	3554305	33329335151	3555309	3555300 pt	3332950476	3559639	3559639
3332911131	3554309	3554309	3332935YVW	3555300	3555300 pt	3332950581 pt	3559641	3559641
3332911236	3554327	3554311 pt	3332935	35556	35556	3332950581 pt	3559646 pt	3559645
3332911241	3554329	3554311 pt	3332937	3555661	3555661	3332950586 pt	3559646 pt	3559647
3332911346	3554312	3554312	3332937101	3555666	3555666	3332950586 pt	3559648 pt	3559648
3332911351	3554313	3554313	3332937111	3555667	3555667	3332950591	3559648 pt	3559649
3332911361	3554315	3554315	3332937121	3555667	3555667	3332950591	3559661	3559651 pt
3332911456	3554314	3554314	3332937131	3555671	3555671	3332950596	3559663	3559651 pt
3332911566	3554321	3554321	3332937141	3555673	3555673	33329505A1	3559665	3559651 pt
3332911571	3554322	3554322	3332937151	3555679	3555679	33329505A6	3559667	3559651 pt
3332911576	3554323	3554323	3332937YVW	3555600	3555600	33329505B1	3559669	3559651 pt
3332911581	3554324	3554324	3332939 pt	35558	35558	33329505B6	3559671	3559651 pt
3332911586	3554325	3554325	3332939 pt	36992 pt	36992 pt	3332950YVW pt	3559000 pt	3559000 pt
3332911591	3554337	3554326 pt	3332939101	3555801	3555801	3332950YVW pt	3559000 pt	3559000 pt
3332911596	3554339	3554326 pt	3332939111	3555815	3555811 pt	3332950YVW	3559002 pt	3559002 pt
3332911YVW	3554300	3554300	3332939121 pt	3555819 pt	3555811 pt	3332981	35591	35591
3332913	35544	35544	3332939121 pt	3555819 pt	3555811 pt	3332981121	3559109	3559109
3332913101	3554401	3554401	3332939131	3699245	3699200 pt	3332981201	3559101	3559101
3332913211	3554402	3554402	3332939132	3555871	3555869 pt	3332981206	3559103	3559103
3332913321	3554403	3554403	3332939141	3555879	3555869 pt	3332981211	3559105	3559105
3332913321	3554403	3554403	3332939141	3555883	3555883	3332981216	3559107	3559107
3332913431	3554404	3554404	3332939251	3555885	3555885	3332981226	3559111	3559111
3332913541	3554405	3554405	3332939361	3555885	3555885	3332981331	3559113	3559113
3332913YVW	3554400	3554400	3332939471	3555887	3555887	3332981336	3559115	3559115
333291W	35540	35540	3332939581	3555891	3555891	3332981YVW	3559100	3559100
333291YVW	3554000	3554000	3332939686	3555893	3555893	3332983	35592	35592
333291YVW	3554002	3554002	3332939791	3555899	3555899	3332983101	3559201	3559201
3332921 pt	35521	35521	3332939YVW pt	3555800	3555800	3332983106 pt	3559203 pt	3559204
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3332921 pt	36992 pt	36992 pt	3332939YVW pt	35550	35550	3332983111	3559211	3559211
3332921101	3552115	3552115	333293W pt	36990 pt	36990 pt	3332983116	3559207	3559207
3332921106	3552125	3552125	333293WYVW pt	3555000	3555000	3332983121	3559213	3559215 pt
3332921106 pt	3552159 pt	3552136	333293WYVW pt	3699000 pt	3699000 pt	3332983226	3559216	3559219 pt
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3332921106 pt	3552159 pt	3552157 pt	3332941	35561	35561	3332985	35595	35595
3332921111	3552151	3552151	3332941101	3556104	3556118 pt	3332985106	3559503	3559503
3332921116	3552153	3552153	3332941102	3556107	3556118 pt	3332985201	3559501	3559501
3332921121	3552155	3552157 pt	3332941103	3556111	3556118 pt	3332985211	3559505	3559505
3332921131	3552167	3552167	3332941103	3556115	3556118 pt	3332985316	3559509	3559509
3332921136	3552171	3552171	3332941111 pt	3556115	3556118 pt	3332985YVW	3559500	3559500
3332921241	3552173	3552181 pt	3332941114 pt	3556117 pt	3556105	3332987 pt	35598	35598
3332921246	3552175	3552181 pt	3332941114 pt	3556117 pt	3556106	3332987 pt	36395 pt	36395 pt
3332921351	3552177	3552182 pt	3332941114 pt	3556117 pt	3556109	3332987101	3559802	3559801 pt
3332921356	3552178	3552182 pt	3332941117	3556121	3556118 pt	3332987106	3559804	3559801 pt
3332921461	3699241	3699200 pt	3332941YVW	3556100	3556100	3332987111	3559806	3559801 pt
3332921462	3552183	3552183	3332943	35562	35562	3332987121	3559805	3559805
3332921476	3552187	3552187	3332943111	3556211	3556211	3332987131	3559809	3559809
3332921566	3552184	3552186 pt	3332943221	3556221	3556221	3332987141	3559813	3559813
3332921571	3552185	3552186 pt	3332943331	3556231	3556231	3332987146	3559815	3559815
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3332921686	3552193	3552198 pt	3332943551	3556251	3556251	3332987156	3559819	3559819
3332921691	3552199	3552198 pt	3332943661	3556265	3556265	3332987161	3559822	3559822
3332921YVW pt	3552100	3552100	3332943671	3556273	3556273	3332987171	3559827	3559827
3332921YVW pt	3699200 pt	3699200 pt	3332943681	3556275	3556289 pt	3332987181	3559831	3559831
3332923	35522	35522	3332943691	3556291	3556289 pt	3332987186	3559835	3559835
3332923101	3552205	3552211 pt	3332943YVW	3556200	3556200	3332987196	3559839	3559839
3332923106	3552207	3552211 pt	3332945	35563	35563	33329871B6	3559853	3559853
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3332923216	3552222	3552222	3332945111	3556327	3556312	33329871G6	3559875	3559878 pt
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3332923336	3552227	3552231 pt	3332945131	3556315	3556319 pt	33329871J1	3559881	3559878 pt
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3332923346	3552229	3552231 pt	3332945141	3556331	3556319 pt	33329871K6 pt	3559886 pt	3559884 pt
3332923346	3552229	3552231 pt	3332945151	3556333	3556319 pt	33329871K6 pt	3559886 pt	3559888
3332923451	3552235	3552243 pt	3332945161	3556339	3556319 pt	33329871M1 pt	3559887 pt	3559884 pt
3332923456	3552239	3552243 pt	3332945206	3556305	3556305	33329871M1 pt	3559887 pt	3559889 pt
3332923561	3552281	3552245 pt	3332945208	3556317	3556311	33329871M6 pt	3559892 pt	3559884 pt
3332923566	3552287	3552245 pt	3332945371	3556340	3556321 pt	33329871M6 pt	3559892 pt	3559889 pt
3332923671	3552283	3552274 pt	3332945376	3556341	3556321 pt	33329871N1 pt	3559893 pt	3559884 pt
3332923681	3552285	3552274 pt	3332945381	3556343	3556321 pt	33329871N1 pt	3559893 pt	3559890
3332923791	3552289	3552279	3332945386	3556345	3556321 pt	33329871N6	3559891	3559891
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333292W pt	35520	35520	3332945YVW	3556300	3556300	33329871R1	3639515	3639510 pt
333292W pt	36990 pt	36990 pt	333294W	35560	35560	33329871R6	3639523	3639520 pt
333292WYVW pt	3552000	3552000	333294WYVW	3556000	3556000	3332987216	3559803	3559803
333292WYVW pt	3699000 pt	3699000 pt	333294WYVW	3556002	3556002	3332987226	3559807	3559807
333292WYVW pt	3552002	3552002	3332950 pt	35590 pt	35590 pt	3332987236	3559811	3559811
333292WYVW pt	3699002 pt	3699002 pt	3332950106	35596	35596	3332987266	3559825	3559825
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33329874A6	3559843	3559843	3333155106	3861403	3861403	333411WYVW	3564002 pt	3564002 pt
33329875R1 pt	3559899 pt	3559848	3333155111	3861404	3861404			
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3332987YVW pt	3559800	3559800	3333155YVW	3861400	3861400			
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			3333157	38613	38613	3334120101	3564441	3564441
333298W pt	35590 pt	35590 pt	3333157101 pt	3861332 pt	3861311	3334120104	3564443	3564443
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			333315W pt	38610 pt	38610 pt	3334120329	3564329	3564329
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			333315WYVW pt	3699002 pt	3699002 pt	3334120465	3564415	3564415
3333112	35812	35812	333315WYVW pt	3861002 pt	3861002 pt	3334120573	3564433	3564433
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3333112159	3581259	3581251 pt	3333191111	3589111	3589111	3334120688 pt	3564438 pt	3564437
3333112269	3581269	3581269	3333191116	3589113	3589113	3334120688 pt	3564438 pt	3564439
3333112YVW	3581200	3581200	3333191121	3589130	3589130	3334120YVW pt	3564000 pt	3564000 pt
			3333191131	3589131	3589131	3334120YVW pt	3564300	3564300
333311W	35810	35810	3333191241	3589161	3589161	3334120YVW pt	3564400	3564400
333311WYVW	3581000	3581000	3333191251	3589163	3589163	3334120YVW	3564002 pt	3564002 pt
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			3333191271	3589170	3589170	3334141	34333	34333
3333120	35820	35820	3333191281	3589181	3589181	3334141101	3433321	3433321
3333120101 pt	3582013 pt	3582011	3333191281	3589181	3589181	3334141106	3433335	3433335
3333120101 pt	3582013 pt	3582012	3333191391	3589185	3589185	3334141111	3433365	3433365
3333120211	3582017	3582017	3333191YVW	3589100	3589100	3334141116	3433377	3433377
3333120231	3582021	3582018 pt				3334141YVW	3433300	3433300
3333120241	3582025	3582018 pt	3333193	35893	35893			
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3333120361	3582028	3582029 pt	3333193111	3589302	3589302	3334143101	3433411	3433410 pt
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			3333195	35597	35597	3334143121	3433419	3433410 pt
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			3333199 pt	35994 pt	35994 pt	3334147101	3433820	3433820
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			3333199111	3589222	3589222	3334147116	3433838	3433838
333313D	35799 pt	35799 pt	3333199116	3589226	3589226	3334147121	3433854	3433854
333313D000	3579910	3579900 pt	3333199146	3589273	3589273	3334147126	3433888	3433888
			3333199151	3589275	3589275	3334147YVW	3433800	3433800
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			3333199182	3589283	3589284	3334149101 pt	3433901 pt	3433911
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333313WYVW pt	3578000 pt	3578000 pt	3333199196	3589295	3589296 pt	3334149111	3433916	3433918
333313WYVW pt	3579000 pt	3579000 pt	3333199221	3589227	3589227	3334149116	3433919	3433919
333313WYVW pt	3578002 pt	3578002 pt	3333199236	3589245	3589245	3334149126	3433960	3433960
333313WYVW pt	3579002 pt	3579002 pt	3333199256	3589276	3589276			
			3333199299	3589297	3589297	3334149131	3433971	3433971
3333141 pt	36992 pt	36992 pt				3334149136	3433975	3433975
			3333199301	3599431	3599431	3334149140	3634520	3634500 pt
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3333141000 pt	3699221	3699200 pt	3333199331	3589243	3589243	3334149151 pt	3433989 pt	3433945
3333141000 pt	3827100	3827100	3333199341	3589246	3589246	3334149151 pt	3433989 pt	3433961
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3333143	38274	38274	3333199YVW pt	3599400 pt	3599400 pt	3334149YVW pt	3433900	3433900
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333314W pt	36990 pt	36990 pt				333414W pt	36340 pt	36340 pt
333314W pt	38270	38270	333319W pt	36990 pt	36990 pt	333414WYVW pt	3433000	3433000
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3333151311	3861173	3861173	3334113	35645	35645	3334153101	3585312	3585312
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3334153146	3585343	3585343	333512A pt	3541D	3541D	3335151586	3545197	3545197
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3334155000	3585500	3585500	333512W pt	35410	35410	3335153101	3545412	3545412
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3334156000	3585600	3585600				3335153116	3545431	3545431
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3334159121	3585903	3585903	333512WYVY pt	3699002 pt	3699002 pt	3335153146	3545446	3545446 pt
3334159131	3585911	3585906 pt				3335153152	3545447	3545445 pt
3334159141	3585915	3585906 pt	3335131	35421	35421			
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333415D	3585D	3585D				333515WYVY	3545002 pt	3545002 pt
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333415D151	3585D60	3585D60				3335161191	3547118	3547118
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333415D171	3585D75	3585D70 pt	333513WYVW	3542000	3542000			
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3335110216	3544209	3544209				3335181YVW	3549200	3549200
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3335110246	3544245	3544245	3335140772	3544177	3544177	3335183116	3549543	3549543
			3335140775	3544178	3544178	3335183121	3549545	3549545
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3335110261	3544255	3544255	3335140981	3544189	3544189	3335183131	3549595	3549595
3335110266	3544259	3544259	3335140YVW pt	3544000 pt	3544000 pt	3335183YVW	3549500	3549500
3335110276	3544264	3544263 pt	3335140YVW pt	3544100	3544100			
3335110281	3544265	3544263 pt	3335140YVW pt	3544002 pt	3544002 pt	333518W	35490	35490
3335110286	3544267	3544267				333518WYVW	3549000	3549000
3335110356	3544251	3544251				333518WYVY	3549002	3549002
3335110YVW pt	3544000 pt	3544000 pt	3335151	35451	35451			
3335110YVW pt	3544200	3544200	3335151102	3545114	3545114	3336110	35110	35110
3335110YVY	3544002 pt	3544002 pt	3335151124	3545132	3545132	3336110101	3511005	3511005
			3335151126	3545136	3545136	3336110211	3511011	3511011
3335121 pt	36992 pt	36992 pt	3335151128	3545142	3545142	3336110706	3511009	3511009
3335121100 pt	3541300	3541300	3335151132	3545147	3545147	3336110741	3511071	3511071
3335121100 pt	3699233	3699200 pt	3335151148	3545167	3545167	3336110746	3511072	3511072
3335121YVW	3699200 pt	3699200 pt	3335151152	3545172	3545172	3336110761	3511081	3511081
			3335151158	3545178	3545178	3336110766	3511083	3511083
3335122	35414	35414	3335151188	3545198	3545198	3336110776	3511095	3511095
3335122000	3541400	3541400	3335151204	3545115	3545115	3336110836	3511061	3511061
			3335151206	3545121	3545121	3336110856	3511079	3511079
3335123	35415	35415				3336110871	3511091	3511091
3335123000	3541500	3541500	3335151308	3545122	3545122	3336110951	3511075	3511075
			3335151312	3545124	3545124	3336110YVW	3511000	3511000
3335124	35416	35416	3335151314	3545125	3545125	3336110YVY	3511002	3511002
3335124000	3541600	3541600	3335151316	3545126	3545126			
			3335151318	3545127	3545127	3336123	35663	35660 pt
3335125	35418	35418	3335151322	3545129	3545129	3336123111 pt	3566311 pt	3566041 pt
3335125101	3541811	3541811	3335151434	3545151	3545151	3336123111 pt	3566311 pt	3566042 pt
3335125106	3541831	3541831	3335151436	3545152	3545152	3336123113 pt	3566313 pt	3566041 pt
3335125111	3541851	3541851	3335151438	3545153	3545153	3336123113 pt	3566313 pt	3566042 pt
3335125116	3541871	3541871	3335151442	3545154	3545154	3336123116 pt	3566316 pt	3566041 pt
3335125199	3541891	3541891				3336123116 pt	3566316 pt	3566043
3335125YVW	3541800	3541800				3336123118 pt	3566318 pt	3566041 pt
						3336123118 pt	3566318 pt	3566044
3335126	35419	35419	3335151444	3545162	3545162	3336123125 pt	3566325 pt	3566041 pt
3335126101	3541911	3541911	3335151456	3545164	3545164			
3335126106	3541941	3541941	3335151554	3545173	3545173	3336123135 pt	3566335 pt	3566041 pt
3335126YVW	3541900	3541900	3335151558	3545175	3545175			
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1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published
3336123157	3566357	3566041 pt	333618F146	3519932	3519932	3339221441	3535335	3535335
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3336127	35667	35660 pt	333618F156	3519939	3519939	3339221451	3535341	3535341
3336127114	3566714	3566024 pt	333618F161	3519949	3519949	3339221456	3535307	3535347 pt
3336127116	3566716	3566024 pt	333618F166	3519963	3519963	3339221461	3535308	3535347 pt
3336127118 pt	3566718 pt	3566017 pt	333618F171	3519967	3519967	3339221YVV	3535300	3535300
3336127118 pt	3566718 pt	3566018 pt	333618F176	3519971	3519971	3339223	35354	35354
3336127121 pt	3566721 pt	3566017 pt	333618F186	3519983	3519983	3339223100	3535400	3535400
3336127121 pt	3566721 pt	3566018 pt	333618F196	3519991	3519991	3339227 pt	35232 pt	35232 pt
3336127121 pt	3566721 pt	3566024 pt	333618F199	3519999	3519999	3339227 pt	35232 pt	35232 pt
3336127225	3566725	3566034	333618F281	3519975	3519975	3339227 pt	35355	35355
3336127226	3566726	3566037	333618FYVV	3519900 pt	3519900 pt	3339227101	3535505	3535505
3336127329	3566729	3566051 pt	333618W pt	35190 pt	35190 pt	3339227206	3535509	3535509
3336127437	3566737	3566051 pt	333618W pt	36990 pt	36990 pt	3339227211	3535511	3535511
3336127438	3566738	3566051 pt	333618WYWW pt	3519000 pt	3519000 pt	3339227221	3535519	3535519
3336127441	3566741	3566051 pt	333618WYWW pt	3699000 pt	3699000 pt	3339227226	3535523	3535523
3336127443	3566743	3566051 pt	333618WYWW pt	3519002 pt	3519002 pt	3339227231	3535527	3535527
3336127445	3566745	3566051 pt	333618WYWW pt	3699002 pt	3699002 pt	3339227236	3535512	3535531 pt
3336127447	3566747	3566051 pt	3339111 pt	35612	35611	3339227241	3535513	3535531 pt
333612744G	3566748	3566051 pt	3339111 pt	35613	35613	3339227251	3532371	3532300 pt
333612744R	3566749	3566051 pt	3339111 pt	3561K	35615 pt	3339227261	3535541	3535541
3336127553 pt	3566753 pt	3566025 pt	3339111 pt	35613	35613	3339227276	3535551	3535551
3336127553 pt	3566753 pt	3566029 pt	3339111 pt	35618	35615 pt	3339227281	3535555	3535555
3336127555	3566755	3566029 pt	3339111 pt	35617	35615 pt	3339227316	3535515	3535515
3336127559 pt	3566759 pt	3566025 pt	3339111 pt	35617	35615 pt	3339227466	3535543	3535543
3336127559 pt	3566759 pt	3566029 pt	3339111 pt	35614	35615 pt	3339227471	3535545	3535545
3336127666 pt	3566766 pt	3566021	3339111 pt	35614	35615 pt	3339227YVV pt	3523200 pt	3523200 pt
3336127666 pt	3566766 pt	3566051 pt	3339111110	3561300	3561300	3339227YVV pt	3535500	3535500
3336127771 pt	3566771 pt	3566028 pt	3339111220	3561400	3561530	3339229	35356	35356
3336127771 pt	3566771 pt	3566051 pt	3339111330	3561700	3561510	3339229101	3535611	3535611
3336127773 pt	3566773 pt	3566027 pt	3339111440	3561200	3561100	3339229106	3535625	3535625
3336127773 pt	3566773 pt	3566051 pt	3339111590	3561800	3561520	3339229211	3535637	3535637
3336127776 pt	3566776 pt	3566027 pt	3339111YVV	3561K00	3561500	3339229YVV	3535600	3535600
3336127776 pt	3566776 pt	3566028 pt	3339115 pt	35619	35616	333922W pt	35230 pt	35230 pt
3336127879	3566779	3566051 pt	3339115 pt	37431 pt	37431 pt	333922W pt	35350	35350
3336127983	3566783	3566011	3339115105	3743107	3743103 pt	333922WYWW pt	3523000 pt	3523000 pt
3336127A88	3566788	3566051 pt	3339115133	3561900 pt	3561600 pt	333922WYWW pt	3535000	3535000
3336127B99 pt	3566799 pt	3566049	3339115YVV pt	3561900 pt	3561600 pt	333922WYWW pt	3523002 pt	3523002 pt
3336127B99 pt	3566799 pt	3566051 pt	3339115YVV pt	3743100 pt	3743100 pt	333922WYWW pt	3535002	3535002
3336127B99 pt	3566799 pt	3566051 pt	333911W pt	35610	35610	3339231	35363	35363
3336127YVV	3566700	3566000 pt	333911W pt	37430 pt	37430 pt	3339231101	3536301	3536301
333612W	35660	35660 pt	333911WYWW pt	3561000	3561000	3339231106	3536302	3536302
333612WYWW	3566000	3566000 pt	333911WYWW pt	3743000 pt	3743000 pt	3339231111	3536303	3536303
333612WYVY	3566002	3566002	333911WYVY pt	3561002	3561002	3339231116	3536313	3536313
3336131	35681	35681	333911WYVY pt	3743002 pt	3743002 pt	3339231121	3536314	3536314
3336131112	3568112	3568112	333911WYVY pt	3563K	35631 pt	3339231131	3536316	3536316
3336131151	3568151	3568151	3339121 pt	35633	35631 pt	3339231141	3536332	3536332
3336131YVV	3568100	3568100	3339121 pt	35633	35631 pt	3339231146	3536334	3536334
3336133	35683	35683	3339121 pt	35634	35631 pt	3339231151	3536338	3536338
3336133111	3568311	3568311	3339121 pt	3563300	3563130	3339231261	3536345	3536345
3336133213	3568313	3568313	3339121220	3563K00	3563100	3339231YVV	3536300	3536300
3336133219	3568319	3568319	3339125	35636	35632	3339233	35364	35364
3336133327	3568320	3568320	3339125100	3563600	3563200	3339233101	3536401	3536401
3336133329	3568323	3568323	3339127	35637	35635	3339233111	3536403	3536403
3336133444	3568333	3568333	3339127131	3563731	3563531	3339233116	3536404	3536404
3336133545	3568335	3568335	3339127151	3563751	3563551	3339233121	3536405	3536405
3336133648	3568361	3568361	3339127199	3563799	3563500 pt	3339233131	3536407	3536406 pt
3336133649	3568365	3568365	3339127YVV	3563700	3563500 pt	3339233136	3536408	3536406 pt
3336133756	3568325	3568325	333912W	35630	35630	3339233141	3536415	3536417 pt
3336133763	3568344	3568344	333912WYWW	3563000	3563000	3339233156	3536452	3536452
3336133767	3568351	3568351	333912WYVY	3563002	3563002	3339233206	3536402	3536402
3336133788 pt	3568377 pt	3568394	3339130	35860	35860	3339233346	3536416	3536417 pt
3336133789 pt	3568377 pt	3568396	3339130113	3586013	3586013	3339233361	3536454	3536454
3336133792 pt	3568383 pt	3568326	3339130114	3586014	3586015	3339233YVV	3536400	3536400
3336133792 pt	3568383 pt	3568328	3339130223	3586015	3586015	3339237 pt	3531W pt	3531M pt
3336133792 pt	3568383 pt	3568330	3339130224	3586016	3586016	3339237 pt	3531W pt	3531N pt
3336133792 pt	3568383 pt	3568389	3339130355 pt	3586055 pt	3586031	3339237 pt	3531W pt	3531P pt
3336133798 pt	3568395 pt	3568391	3339130355 pt	3586055 pt	3586051	3339237110	3531W30	3531P90
3336133798 pt	3568395 pt	3568399	3339130391	3586091	3586089	3339237230	3531W42	3531N00 pt
3336133YVV	3568300	3568300	3339130YVV	3586000	3586000	3339237353	3531W53	3531P53
333613W	35680	35680	3339130YVY	3586002	3586002	3339237355	3531W55	3531P55
333613WYWW	3568000	3568000	3339211	35341	35341	3339237361	3531W61	3531P61
333613WYVY	3568002	3568002	3339211101	3534105	3534105	3339237493	3531W70	3531M08 pt
3336181	35191	35191	3339211106	3534107	3534107	3339237495	3531W80	3531M21 pt
3336181000	3519100	3519100	3339211211	3534112	3534112	3339237YVV pt	3531W00 pt	3531M06 pt
3336183	35193	35193	3339211316	3534113	3534113	3339237YVV pt	3531W00 pt	3531N00 pt
3336183000	3519300	3519300	3339211321	3534115	3534115	3339237YVV pt	3531W00 pt	3531P00 pt
3336185	35194	35194	3339211326	3534131	3534131	333923W pt	35310 pt	35310 pt
3336185000	3519400	3519400	3339211331	3534151	3534151	333923W pt	35360	35360
3336187 pt	35195	35195	3339211336	3534196	3534196	333923WYWW pt	3531000 pt	3531000 pt
3336187 pt	3699A07	3699A07	3339211YVV	3534100	3534100	333923WYVY pt	3536000	3536000
3336189	35196	35196	3339213	35342	35342	333923WYVY pt	3531002 pt	3531002 pt
3336189000	3519600	3519600	3339213101	3534202	3534200 pt	333923WYVY pt	3536002	3536002
333618A	35197	35197	3339213106	3534202	3534200 pt	3339241	35373 pt	35373 pt
333618A101	3519721	3519721	3339213YVV	3534200	3534200 pt	3339241101	3537301	3537301
333618A106	3519751	3519751	333921W	35340	35340	3339241104	3537302	3537302
333618AYVV	3519700	3519700	333921WYWW	3534000	3534000	3339241208	3537303	3537303
333618F	35199 pt	35199 pt	333921WYVY	3534002	3534002	3339241212	3537304	3537304
333618F101	3519901	3519901	3339221	35353	35353	3339241216	3537306	3537306
333618F106	3519908	3519908	3339221101	3535309	3535309	3339241321	3537307	3537307
333618F111	3519909	3519909	3339221106	3535313	3535313	3339241424	3537308	3537308
333618F116	3519921	3519921	3339221131	3535314	3535314	3339241528	3537309	3537309
333618F121	3519924	3519924	3339221416	3535317	3535317	3339241532	3537311	3537311
333618F126	3519925	3519925	3339221421	3535301	3535321 pt	3339241536	3537312	3537312
333618F131	3519933	3519933	3339221426	3535302	3535321 pt	3339241541	3537315	3537315
333618F136	3519927	3519927	3339221431	3535303	3535323 pt	3339241544	3537316	3537316
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3339241676	3537329	3537329	3339923YVW	3548200	3548200	3339940979 pt	3567079 pt	3567512 pt
3339241681	3537332	3537332				3339940YVW pt	3567000 pt	3567000
3339241684	3537335	3537335	3339927	35483	35483	3339940YVW pt	3567000 pt	3567100
3339241688	3537336	3537339 pt	3339927101	3548305	3548305	3339940YVW pt	3567000 pt	3567400
3339241692	3537337	3537339 pt	3339927106	3548306	3548306	3339940YVW pt	3567000 pt	3567500
3339241696	3537338	3537339 pt	3339927111	3548307	3548307	3339940YVW pt	3567000 pt	3567600
3339241YVW	3537300 pt	3537300 pt	3339927116	3548308	3548308	3339940YVW pt	3567002	3567002
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3339243	35374	35374	3339927126	3548311	3548311	3339951	35934	35934
3339243101	3537412	3537411	3339927131	3548319	3548319	3339951100	3593400	3593400
3339243106	3537413	3537418 pt	3339927YVW	3548300	3548300			
3339243111	3537414	3537418 pt				3339953	35935	35935
3339243YVW	3537400	3537400				3339953100	3593500	3593500
			3339929	35484	35484			
333924W	35370 pt	35370 pt	3339929101	3548401	3548401	3339955	35939	35939
333924WYVW	3537000 pt	3537000 pt	3339929106	3548402	3548402	3339955100	3593900	3593900
333924WYVW	3537002 pt	3537002 pt	3339929111	3548403	3548403			
			3339929116	3548404	3548404	3339957 pt	35932	35932
3339911	35462	35462	3339929121	3548405	3548405			
3339911101	3546237	3546237	3339929126	3548409	3548409	3339957 pt	37284 pt	37284 pt
3339911106	3546238	3546238	3339929YVW	3548400	3548400	3339957100 pt	3593200	3593200
3339911111	3546241	3546241				3339957100 pt	3728400 pt	3728400 pt
3339911116	3546242	3546242	333992A pt	35485	35485	3339957100 pt	3728409 pt	3728473 pt
3339911121	3546244	3546244				3339957100 pt	3728409 pt	3728475 pt
3339911126	3546245	3546245	333992A101	36992 pt	36992 pt	3339957100 pt	3728409 pt	3728483 pt
3339911131	3546248	3546248	333992A11	3548501	3548501	3339957100 pt	3728409 pt	3728485 pt
3339911136	3546249	3546249	333992A111	3699213	3699213			
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			333992A131	3548514	3548503	333995W pt	37280 pt	37280 pt
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3339911151 pt	3546273 pt	3546271	333992A146	3548509	3548509	333995WYVW pt	3728000 pt	3728000 pt
3339911151 pt	3546273 pt	3546272	333992AYVW pt	3548500	3548500	333995WYVW pt	3593002	3593002
3339911156	3546278	3546279 pt	333992AYVW pt	3699200 pt	3699200 pt	333995WYVW pt	3728002 pt	3728002 pt
3339911YVW	3546200	3546200						
			333992W pt	35480 pt	35480 pt	3339961	35943	35943
3339913	35463	35463				3339961100	3594300	3594300
3339913101	3546301	3546301	333992W pt	36990 pt	36990 pt			
3339913106	3546311	3546311	333992WYVW pt	3548000 pt	3548000 pt	3339963	35944	35944
3339913111	3546317	3546319 pt	333992WYVW pt	3699000 pt	3699000 pt	3339963100	3594400	3594400
3339913116	3546318	3546319 pt	333992WYVW pt	3548002 pt	3548002 pt			
3339913YVW	3546300	3546300	333992WYVW pt	3699002 pt	3699002 pt	3339965	35945	35945
						3339965100	3594500	3594500
3339917	35464	35464	3339931	35651	35651	3339967 pt	35946	35946
3339917101	3546401	3546401	3339931103	3565123	3565123			
3339917106	3546405	3546405	3339931207	3565125	3565125	3339967 pt	37284 pt	37284 pt
3339917111 pt	3546406 pt	3546409	3339931311	3565103	3565103	3339967100 pt	3728400 pt	3728400 pt
3339917111 pt	3546406 pt	3546415	3339931315	3565131	3565131	3339967100 pt	3728405 pt	3728473 pt
3339917116	3546418	3546419 pt	3339931319	3565104	3565104	3339967100 pt	3728405 pt	3728475 pt
3339917121	3546420	3546419 pt	3339931321	3565105	3565105			
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3339917YVW	3546400	3546400	3339931433	3565122	3565122			
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3339919	35465	35465	3339931444	3565133	3565133	3339969100 pt	3594900	3594900
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3339919101 pt	3546510 pt	3546505	3339931545	3565135	3565135	3339969100 pt	3728407 pt	3728473 pt
3339919101 pt	3546510 pt	3546507	3339931651	3565145	3565145	3339969100 pt	3728407 pt	3728475 pt
3339919101 pt	3546510 pt	3546509	3339931755	3565137	3565137			
3339919104	3546511	3546511	3339931859	3565141	3565141	333996W pt	35940	35940
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3339919112	3546513	3546513	3339931A67	3565118	3565118	333996W pt	37280 pt	37280 pt
3339919116	3546514	3546514	3339931A71	3565149	3565149	333996WYVW pt	3594000	3594000
3339919121	3546515	3546515	3339931B75	3565127	3565127	333996WYVW pt	3728000 pt	3728000 pt
3339919124	3546516	3546516	3339931B79	3565128	3565128	333996WYVW pt	3594002	3594002
			3339931B83	3565153	3565153	333996WYVW pt	3728002 pt	3728002 pt
3339919128	3546517	3546517	3339931C99	3565159	3565159			
3339919132	3546521	3546521	3339931YVW	3565100	3565100	3339971	35961	35961
3339919136	3546522	3546522				3339971101	3596101	3596101
3339919141	3546523	3546523	3339935	35652	35652	3339971103	3596103	3596103
3339919144	3546524	3546524	3339935100	3565200	3565200	3339971205	3596105	3596105
3339919148	3546525	3546525				3339971207	3596107	3596107
3339919152	3546527	3546527	333993W	35650	35650	3339971209 pt	3596110	3596109
3339919156	3546528	3546528	333993WYVW	3565000	3565000	3339971209 pt	3596110 pt	3596111
3339919161	3546529	3546529	333993WYVW	3565002	3565002	3339971211	3596113	3596113
3339919164	3546531	3546531				3339971215	3596117	3596117
			3339940 pt	35670 pt	35670	3339971313	3596115	3596115
3339919168	3546533	3546533	3339940 pt	35670 pt	35671	3339971YVW	3596100	3596100
3339919172	3546536	3546536						
3339919176	3546537	3546537	3339940 pt	35670 pt	35674			
3339919181	3546538	3546538				3339973	35962	35962
3339919184	3546539	3546539	3339940 pt	35670 pt	35675	3339973101	3596201	3596201
3339919188	3546541	3546541				3339973103 pt	3596209 pt	3596203
3339919192	3546543	3546543	3339940 pt	35670 pt	35676	3339973103 pt	3596209 pt	3596205
3339919YVW	3546500	3546500	3339940103	3567003	3567602	3339973105 pt	3596209 pt	3596207
			3339940106 pt	3567006 pt	3567601 pt	3339973107	3596212	3596212
333991W	35460	35460	3339940106 pt	3567006 pt	3567609 pt	3339973107	3596214	3596214
333991WYVW	3546000	3546000	3339940109 pt	3567006 pt	3567615 pt	3339973109	3596221	3596221
333991WYVW	3546002	3546002	3339940109 pt	3567009 pt	3567601 pt	3339973YVW	3596200	3596200
			3339940109 pt	3567009 pt	3567609 pt			
3339921	35481 pt	35481 pt	3339940109 pt	3567009 pt	3567615 pt	3339975	35963	35963
3339921101	3548103	3548103	3339940214	3567014	3567621	3339975101	3596301	3596301
3339921106	3548101	3548104 pt	3339940323 pt	3567040 pt	3567401	3339975103	3596303	3596303
3339921111	3548102	3548104 pt	3339940323 pt	3567040 pt	3567402	3339975105	3596305	3596305
3339921126	3548107	3548107				3339975107	3596309	3596309
3339921131	3548108	3548108	3339940323 pt	3567040 pt	3567403	3339975YVW	3596300	3596300
3339921136	3548109	3548109	3339940323 pt	3567040 pt	3567404			
3339921141	3548111	3548111	3339940429 pt	3567042 pt	3567111 pt	333997W	35960	35960
3339921146	3548112	3548112	3339940429 pt	3567042 pt	3567121 pt	333997WYVW	3596002	3596002
3339921151	3548114	3548114	3339940429 pt	3567042 pt	3567129 pt			
3339921156	3548115	3548115	3339940431 pt	3567044 pt	3567111 pt	3339991	35693	35693
3339921161	3548118	3548119	3339940431 pt	3567044 pt	3567121 pt	3339991104	3569304	3569304
3339921YVW	3548100 pt	3548100 pt	3339940431 pt	3567044 pt	3567129 pt	3339991108 pt	3569308 pt	3569305
			3339940431 pt	3567044 pt	3567143 pt	3339991108 pt	3569308 pt	3569306
3339923	35482	35482	3339940535	3567047	3567121 pt	3339991111	3569311	3569311
3339923101	3548203	3548203				3339991212	3569312	3569312
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1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published
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3339998109	3569909	3569909	334210W	36610 pt	36610 pt	3344174000	3678200	3678200
3339998218	3569903	3569903	334210WYWW	3661000 pt	3661000 pt	3344177	36783	36783
3339998321	3569921	3569921	334210WYWW	3661002 pt	3661002 pt	3344177000	3678300	3678300
3339998425	3569905	3569905	3342201	36631	36631	334417A	36784	36784
3339998436	3569915	3569915	3342201000	3663100	3663100	334417A000	3678400	3678400
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3339998661	3569911	3569911	3342203 pt	36632	36632	334417WYWW	3678000	3678000
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333999870 pt	3569945 pt	3569941	3342203 pt	36632	36632	3344184	36613 pt	36613 pt
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333999883	3569908	3569913 pt	3342207000	3679300	3679300	334418W pt	36790 pt	36790 pt
333999886	3569917	3569917	334220W pt	36630	36630	334418WYWW pt	3661000 pt	3661000 pt
333999889	3569927	3569927	334220WYWW pt	36790 pt	36790 pt	334418WYWW pt	3679000 pt	3679000 pt
333999891	3569931	3569931	334220WYWW pt	3679000 pt	3679000 pt	334418WYWW pt	3661002 pt	3661002 pt
333999895	3569948 pt	3569925	334220WYWW pt	3679002 pt	3679002 pt	334418WYWW pt	3679002 pt	3679002 pt
333999895 pt	3569948 pt	3569947 pt	334220WYWW pt	3679002 pt	3679002 pt	3344191	36791	36791
333999895 pt	3569952	3569951 pt	3342901	36691	36691	3344191000	3679100	3679100
3339998YWW	3569900	3569900	3342901000	3669100	3669100	3344194	36795	36795
3339999	35994 pt	35994 pt	3342902	36692	36692	3344194000	3679500	3679500
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3339999100 pt	3599498	3599498	3342903	36693	36693	3344197000	3679600	3679600
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333999W pt	35990 pt	35990 pt	334290W	36690	36690	334419D101	3679930	3679930
333999WYWW pt	3599000 pt	3599000 pt	334290WYWW	3669000	3669000	334419D106	3679927	3679920 pt
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333999WYWW pt	3599002 pt	3599002 pt	3343101000	3651100	3651100	334419WYWW	3679000 pt	3679000 pt
3341111 pt	35711 pt	35713	3343102	36512	36512	334419WYWW	3679002 pt	3679002 pt
3341111 pt	35711 pt	35714	3343102000	3651200	3651200	3345101 pt	38450 pt	38450 pt
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3341117 pt	35712 pt	35715	3343104	36515	36515	3345103	38424	38424
3341117 pt	35712 pt	35716	3343104000	3651500	3651500	3345103100	3842400	3842400
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334111D pt	35719 pt	35717	334310WYWW	3651002	3651002	334510W pt	38450 pt	38450 pt
334111D pt	35719 pt	35718	334310WYWW	3651002	3651002	334510WYWW pt	3699000 pt	3699000 pt
334111D000 pt	3571900 pt	3571700	3344111	36713	36713	334510WYWW pt	38121	38121
334111D000 pt	3571900 pt	3571800	3344111000	3671300	3671300	334511000	3812100	3812100
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334111WYWW	3571002	3571002	3344117	36715	36715	3345113000 pt	3699211	3699200 pt
3341121	35721	35721	3344117000	3671500	3671500	3345113000 pt	3812200	3812200
3341121000	3572100	3572100	334411W	36710	36710	334511W pt	36990 pt	36990 pt
3341124	35722	35722	334411WYWW	3671000	3671000	334511W pt	38120	38120
3341124000	3572200	3572200	334411WYWW	3671002	3671002	334511WYWW pt	3699000 pt	3699000 pt
334112W	35720	35720	334411WYWW	3671002	3671002	334511WYWW pt	3812000	3812000
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334112WYWW	3572002	3572002	3344120000	3672000 pt	3672000 pt	334511WYWW pt	3812002	3812002
334112WYWW	3572002	3572002	3344120YWW	3672000 pt	3672000 pt	3345120	38220	38220
3341131	35751	35751	3344120YWW	3672002	3672002	3345120000	3822000 pt	3822000 pt
3341131000	3575100	3575100	3344131	36741	36741	3345120YWW	3822000 pt	3822000 pt
3341134	35752	35752	3344131000	3674100	3674100	3345120YWW	3822002	3822002
3341134000	3575200	3575200	3344134	36742	36742	3345130	38230	38230
334113W	35750	35750	3344134000	3674200	3674200	3345130000	3823000 pt	3823000 pt
334113WYWW	3575000	3575000	3344137	36743	36743	3345130YWW	3823000 pt	3823000 pt
334113WYWW	3575002	3575002	3344137000	3674300	3674300	3345130YWW	3823002	3823002
3341191 pt	35771	35771	334413A	36749	36749	3345141	38242	38242
3341191 pt	35771	35771	334413A000	3674900	3674900	3345141000	3824200	3824200
3341191 pt	36992 pt	36992 pt	334413W	36740	36740	3345143	38243	38243
3341191000 pt	3577100	3577100	334413WYWW	3674000	3674000	3345143000	3824300	3824300
3341191000 pt	3699253	3699200 pt	334413WYWW	3674002	3674002	3345145	38244	38244
3341194	35772	35772	3344140	36750	36750	3345145000	3824400	3824400
3341194000	3577200	3577200	3344140000	3675000 pt	3675000 pt	334514W	38240	38240
3341197	35784 pt	35784 pt	3344140YWW	3675000 pt	3675000 pt	334514WYWW	3824000	3824000
3341197000 pt	3578400	3578400 pt	3344140YWW	3675002	3675002	334514WYWW	3824002	3824002
3341197000 pt	3578420	3578400 pt	3344150	36760	36760	3345151	38251	38251
334119D	35789 pt	35789 pt	3344150000	3676000 pt	3676000 pt	3345151000	3825100	3825100
334119D000 pt	3578900 pt	3578900 pt	3344150YWW	3676000 pt	3676000 pt	3345153	38252 pt	38252 pt
334119D000 pt	3578920	3578900 pt	3344150YWW	3676002	3676002	3345153000 pt	3825220	3825200 pt
334119W pt	35770	35770	3344160 pt	36610 pt	36610 pt	3345153000 pt	3825200 pt	3825200 pt
334119W pt	35780 pt	35780 pt	3344160 pt	36614 pt	36614 pt	3345155	38253	38253
334119W pt	35780 pt	35780 pt	3344160 pt	36614 pt	36614 pt	3345155000	3825300	3825300
334119W pt	36990 pt	36990 pt	3344160 pt	36614 pt	36614 pt			
334119WYWW pt	3577000	3577000	3344160 pt	36614 pt	36614 pt			
334119WYWW pt	3578000 pt	3578000 pt	3344160 pt	36614 pt	36614 pt			
334119WYWW pt	3699000 pt	3699000 pt	3344160 pt	36614 pt	36614 pt			
334119WYWW pt	3577002	3577002	3344160000 pt	3661401	3661400 pt			
334119WYWW pt	3578002 pt	3578002 pt	3344160000 pt	3661400 pt	3661400 pt			
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3342101	36611	36611	3344160000 pt	3661400 pt	3661400 pt			
3342101000	3661100	3661100	3344160000 pt	3661400 pt	3661400 pt			
3342104	36613 pt	36613 pt	3344160000 pt	3661400 pt	3661400 pt			
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3342104000 pt	3661303	3661300 pt	3344160000 pt	3661400 pt	3661400 pt			
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334515WYWY	3825002 pt	3825002 pt	3346130410	3695005	3695000 pt	335212WYWW pt	3635000 pt	3635000 pt
3345160 pt	36990 pt	36990 pt	3346130610	3695009	3695000 pt	335212WYWW pt	3639000 pt	3639000 pt
3345160 pt	36992 pt	36992 pt	3346130YWW	3695000	3695000 pt	335212WYWY pt	3635002	3635002
3345160 pt	36992 pt	36992 pt	3346130YWY	3695002	3695002	335212WYWY pt	3639002 pt	3639002 pt
3345160000 pt	38260	38260	3351101	36411	36411	3352211	36311	36311
3345160000 pt	3699213	3699200 pt	3351101100	3641100	3641100	3352211110	3631110	3631110
3345160000 pt	3826000 pt	3826000 pt	3351103	36412	36412	3352211290	3631120	3631120
3345160YWW pt	3699000 pt	3699000 pt	3351103100	3641200	3641200	3352211YWW	3631100	3631100
3345160YWW pt	3826000 pt	3826000 pt	335110W	36410	36410	3352213	36313	36313
3345160YWY pt	3699002 pt	3699002 pt	335110WYWW	3641000	3641000	3352213110	3631310	3631310
3345160YWY pt	3826002	3826002	335110WYWY	3641002	3641002	3352213190	3631320	3631320
3345170	38440	38440	3351211	36451	36451	3352213YWW	3631300	3631300
3345170000	3844000 pt	3844000 pt	3351211000	3645100	3645100	3352215	36314	36314
3345170YWW	3844000 pt	3844000 pt	3351212100	3645100	3645100	3352215110	3631410	3631410
3345170YWY	3844002	3844002	3351213 pt	30897 pt	30897 pt	3352215190	3631420	3631420
3345181	38731	38731	3351213 pt	36457	36457	3352215YWW	3631400	3631400
3345181101	3873104	3873104	3351213 pt	39999 pt	39999 pt	335221W	36310	36310
3345181106	3873114	3873114	3351213111	3645721	3645721	335221WYWW	3631000	3631000
3345181YVW	3873100	3873100	3351213121	3645722	3645722	335221WYWY	3631002	3631002
3345183 pt	34953 pt	34953 pt	3351213131	3645723	3645723	3352221	36321	36321
3345183 pt	35799 pt	35799 pt	3351213141	3645729	3645729	3352221000	3632100	3632100
3345183 pt	3579A pt	3579A pt	3351213151	3645732	3645732	3352222	36322	36322
3345183 pt	38732	38732	3351213161	3645761	3645761	3352222000	3632200	3632200
3345183101	3873201	3873201	3351213165	3999961	3999961	3352223	36323	36323
3345183106	3873202	3873202	3351213169	3089705	3089709 pt	3352223000	3632300	3632300
3345183111	3873203	3873203	3351213171	3645773	3645773	3352224	36320	36320
3345183116	3873209	3873209	3351213YVW pt	3089700 pt	3089700 pt	33522240110	3633010	3633010
3345183121	3873253	3873253	3351213YVW pt	3645700	3645700	3352240190	3633020	3633020
3345183126	3873254	3873254	3351213YVW pt	3999900 pt	3999900 pt	3352240YWW	3633000	3633000
3345183131	3579920	3579900 pt	335121W pt	30890 pt	30890 pt	3352240YWY	3633002	3633002
3345183136	3873259	3873259	335121W pt	36450	36450	3352281	36391	36391
3345183141	3873258	3873258	335121WYWW pt	39990 pt	39990 pt	3352281000	3639100	3639100
3345183146	3873261	3873261	335121WYWW pt	3089000 pt	3089000 pt	3352283	36392	36392
3345183151 pt	3495331	3495398 pt	335121WYWW pt	3645000	3645000	3352283000	3639200	3639200
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3345183YVW pt	3495300 pt	3495300 pt	335121WYWY pt	3645002	3645002	3352285190	3639521	3639520 pt
3345183YVW pt	3579900 pt	3579900 pt	335121WYWY pt	3999002 pt	3999002 pt	3352285YVW	3639500 pt	3639500 pt
3345183YVW pt	3579A00	3579A00 pt	3351221	36462	36462	335228W	36390 pt	36390 pt
3345183YVW pt	3873200	3873200	3351221000	3646200	3646200	335228WYWW	3639000 pt	3639000 pt
334518W pt	34950 pt	34950 pt	3351222	36463	36463	335228WYWY	3639002 pt	3639002 pt
334518W pt	35790 pt	35790 pt	3351222000	3646300	3646300	3353111	36122	36122
334518W pt	38730	38730	335122W	36460	36460	3353111101	3612202	3612202
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334518WYWW pt	3873000	3873000	33512291	36485	36485	3353111311	3612214	3612214
334518WYWY pt	3495002 pt	3495002 pt	33512291000	3648500	3648500	3353111313	3612216	3612216
334518WYWY pt	3579002 pt	3579002 pt	33512293 pt	36489	36489	3353111316	3612219	3612219
334518WYWY pt	3873002	3873002	33512293 pt	36996 pt	36996 pt	3353111319	3612221	3612221
3345191	38291	38291	33512293109	3648912	3648912	3353111321	3612223	3612223
3345191000	3829100	3829100	33512293112	3648916	3648916	3353111419	3612223	3612223
3345193	38292	38292	33512293114	3648917	3648917	3353111422	3612228	3612228
3345193000	3829200	3829200	33512293116	3648931	3648931	3353111425	3612229	3612229
3345195	38294	38294	33512293118	3648975	3648975	3353111428	3612232	3612232
3345195000	3829400	3829400	33512293122 pt	3648979 pt	3648979 pt	3353111431	3612233	3612233
3345197 pt	36992 pt	36992 pt	33512293122 pt	3648979 pt	3648979 pt	3353111434	3612237	3612237
3345197 pt	38295 pt	38295 pt	33512293124	3648970	3648970	3353111537	3612237	3612237
3345197000 pt	3699223	3699200 pt	33512293126 pt	3648984 pt	3648984 pt	3353111541	3612239	3612239
3345197000 pt	3829520	3829500 pt	33512293126 pt	3648984 pt	3648987	3353111543	3612241	3612241
3345199 pt	36992 pt	36992 pt	33512293131	3648985	3648985	3353111546	3612242	3612242
3345199 pt	38296	38296	33512293YVW pt	3648900	3648900	3353111549	3612243	3612243
3345199000 pt	3699225	3699200 pt	33512293YVW pt	3699600 pt	3699600 pt	3353111552	3612244	3612244
3345199000 pt	3829600	3829600	3351229W pt	36480	36480	3353111YVW	3612200	3612200
334519W pt	36990 pt	36990 pt	3351229W pt	36990 pt	36990 pt	3353113 pt	35481 pt	35481 pt
334519W pt	38290 pt	38290 pt	3351229YWW pt	3648000	3648000	3353113101	36123	36123
334519WYWW pt	3699000 pt	3699000 pt	3351229YWW pt	3699000 pt	3699000 pt	3353113104	3612301	3612301
334519WYWW pt	3829000 pt	3829000 pt	3351229YWY pt	3648002	3648002	3353113107	3612302	3612302
334519WYWY pt	3699002 pt	3699002 pt	3351229YWY pt	3699002 pt	3699002 pt	3353113109	3548105	3548104 pt
334519WYWY pt	3829002 pt	3829002 pt	3351229WYWW pt	3699002 pt	3699002 pt	3353113113	3612306	3612306
3346110	73720	73720	3351229WYWW pt	3648002	3648002	3353113113	3612307	3612307
3346110000	7372001	7372000 pt	3351229WYWW pt	3699002 pt	3699002 pt	3353113115	3612308	3612308
3346110YWW	7372000	7372000 pt	3351229WYWW pt	3648002	3648002	3353113116	3612311	3612311
3346110YWY	7372002	7372000 pt	3351229WYWW pt	3699002 pt	3699002 pt	3353113YVW pt	3548100 pt	3548100 pt
3346120 pt	36520	36520	3351229WYWW pt	3699002 pt	3699002 pt	3353113YVW pt	3612300	3612300
3346120 pt	78190	78190	3352111	36341	36341	3353115	36124	36124
3346120101	3652008	3652008	3352111000	3634100	3634100	3353115000	3612400	3612400
3346120201	3652013	3652013	33521113	36345 pt	36345 pt	3353117	36126	36126
3346120301	7819001	7819000 pt	33521113000	3634510	3634500 pt	3353117101	3612601	3612601
3346120303	7819003	7819000 pt	33521115	36349 pt	36349 pt	3353117104	3612602	3612602
3346120501	3652003	3652009 pt	33521115010	3634911	3634911	3353117107	3612603	3612603
3346120504	3652005	3652005	33521115090	3634920	3634920 pt	3353117111	3612604	3612604
3346120507	3652006	3652006	33521115YVW	3634900 pt	3634900 pt	3353117113 pt	3612608 pt	3612605
3346120511	3652009	3652009 pt	335211W	36340 pt	36340 pt	3353117113 pt	3612608 pt	3612609
3346120514	3652012	3652012	335211WYWW	3634000 pt	3634000 pt	3353117YVW	3612600	3612600
3346120517	3652019	3652019	335211WYWY	3634002 pt	3634002 pt	3353119	36127	36127
3346120YVW pt	3652000	3652000	3352121	36350 pt	36350 pt	3353119101	3612701	3612701
3346120YVW pt	7819000	7819000 pt	3352121101	3635041	3635041	3353119104	3612778	3612778
3346120YVW pt	3652002	3652002	3352121103	3635011	3635011	3353119YVW	3612700	3612700
3346120YVW pt	7819002	7819000 pt	3352121105	3635033	3635033	335311W pt	35480 pt	35480 pt
			3352121107 pt	3635044 pt	3635031			
			3352121107 pt	3635044 pt	3635036			
			3352121111	3635051	3635051			
			3352121113	3635071	3635071			
			3352121YVW	3635000 pt	3635000 pt			
			3352122	36395 pt	36395 pt			
			335212211					

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3362111571 pt	3714924	3714941 pt	336311WYWY	3592002	3592002	336322WYWW pt	3714000 pt	3714000 pt
3362111YVW pt	3711100 pt	3711100 pt				336322WYWW pt	3714000 pt	3714000 pt
3362111YVW pt	3713100	3713100				336322WYWW pt	3714000 pt	3714000 pt
3362111YVW pt	3714900 pt	3714900 pt				336322WYWW pt	3714002 pt	3714002 pt
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3362113307	3713213	3713213						
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3362113331 pt	3711411	3711400 pt						
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3362113YVW pt	3713200	3713200						
336211W pt	37110 pt	37110 pt						
336211W pt	37130	37130						
336211W pt	37140 pt	37140 pt						
336211WYWW pt	3711000 pt	3711000 pt						
336211WYWW pt	3713000	3713000						
336211WYWW pt	3714000 pt	3714000 pt						
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3362121	37151	37151						
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3362123	37152	37152						
3362123100	3715200	3715200						
336212W	37150	37150						
336212WYWW	3715000	3715000						
336212WYWW	3715002	3715002						
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3362143117 pt	3799651 pt	3799602 pt						
3362143117 pt	3799651 pt	3799604 pt						
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3362145101	3792242	3792242						
3362145204	3792244	3792244						
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3362145311 pt	3792268 pt	3792263						
3362145311 pt	3792268 pt	3792269						
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3363111105	3592103	3592103						
3363111207	3592105	3592105						
3363111YVW	3592100	3592100						
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3363113313	3592209	3592209						
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3363121571	3714241	3714241						
3363121574	3714249	3714249						
3363121YVW	3714200 pt	3714200 pt						
3363123	3714A pt	3714A pt						
3363123101	3714A02	3714A02						
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3363123107	3714A23	3714A23						
3363123111	3714A25	3714A25						
3363123121	3714A43	3714A41 pt						
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336312W	37140 pt	37140 pt						
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336312WYWW	3714002 pt	3714002 pt						
3363210	36470	36470						
3363210100	3647000 pt	3647000 pt						
3363210YVW	3647000 pt	3647000 pt						
3363210YVW	3647002	3647002						
3363221	36941	36941						
3363221101	3694101	3694101						
3363221104	3694102	3694102						
3363221201	3694103	3694103						
3363221204	3694104	3694104						
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3363223	36942	36942						
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3363223104	3694202	3694202						
3363223201	3694203	3694203						
3363223204	3694204	3694204						
3363223YVW	3694200	3694200						
3363225	36943	36943						
3363225101	3694301	3694301						
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3363227	36944	36944						
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336322A	36949	36949						
336322A101	3694901	3694901						
336322A204	3694907	3694907						
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336322A409	3694912	3694912						
336322A512	3694913	3694913						
336322A615	3694919	3694919						
336322AYVW	3694900	3694900						
336322C pt	36799 pt	36799 pt						
3								

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3363603	25312 pt	25312 pt	3364125	37243	37243	336419WYVW	3769002	3769002
3363603101	2531213	2531213	3364125101	3724321	3724321	3365101	37431 pt	37431 pt
3363603104	2531215	2531215	3364125104	3724323	3724323	3365101101	3743102	3743101 pt
3363603YVW	2531200 pt	2531200 pt	3364125107	3724331	3724331	3365101104	3743104	3743101 pt
336360W pt	23960 pt	23960 pt	3364125111	3724333	3724333	3365101107	3743105	3743101 pt
336360W pt	23990 pt	23990 pt	3364125YVW	3724300	3724300	3365101111	3743113	3743103 pt
336360W pt	23990 pt	23990 pt	3364127	37244	37244	3365101YVW	3743100 pt	3743100 pt
336360WYVW pt	2396000 pt	2396000 pt	3364127101	3724401	3724401	3365103	37432	37432
336360WYVW pt	2399000 pt	2399000 pt	3364127204	3724402	3724402	3365103100 pt	3743200 pt	3743200
336360WYVW pt	2399000 pt	2399000 pt	3364127307	3724405	3724405	3365103100 pt	3743200 pt	3743211
336360WYVW pt	2531000 pt	2531000 pt	3364127411	3724406	3724406	3365103100 pt	3743200 pt	3743215
336360WYVW pt	2396002 pt	2396002 pt	3364127YVW	3724400	3724400	3365103100 pt	3743200 pt	3743235
336360WYVW pt	2399002 pt	2399002 pt	336412W	37240	37240	3365103100 pt	3743200 pt	3743235
336360WYVW pt	2531002 pt	2531002 pt	336412WYVW	3724000	3724000	3365103100 pt	3743200 pt	3743265
3363700	34650	34650	336412WYVW	3724002	3724002	3365105 pt	3531X pt	3531M pt
3363700100	3465000 pt	3465000 pt	3364131	37282	37282	3365105 pt	3531X pt	3531P pt
3363700YVW	3465000 pt	3465000 pt	3364131101	3728210	3728210	3365105 pt	37433	37433
3363700YVW	3465002	3465002	3364131104	3728231	3728231	3365105301	3743301	3743301
3363917	35857	35851 pt	3364131107	3728251	3728251	3365105304	3743305	3743305
3363917010	3585705	3585100 pt	3364131111	3728261	3728261	3365105405	3531X21	3531P21
3363917020	3585707	3585100 pt	3364131YVW	3728200	3728200	3365105407	3743304	3743304
3363917030	3585719	3585100 pt	3364133	37283	37283	3365105411	3743311	3743311
3363917YVW	3585700	3585100 pt	3364133101	3728313	3728313	3365105413	3743312	3743312
336391B	3585B	35854 pt	3364133104	3728315	3728315	3365105416	3743314	3743314
336391B000	3585B00	3585400 pt	3364133YVW	3728300	3728300	3365105419 pt	3531X80	3531M21 pt
336391W	35850 pt	35850 pt	3364135	37285	37285	3365105419 pt	3743319	3743319
336391WYVW	3585000 pt	3585000 pt	3364135101	3728513	3728513	3365105YVW pt	3531X00 pt	3531M00 pt
336391WYVW	3585002 pt	3585002 pt	3364135104	3728515	3728515	3365105YVW pt	3531X00 pt	3531P00 pt
3363991	37144	37144	3364135207	3728594	3728594	3365105YVW pt	3743300	3743300
3363991101	3714401	3714401	3364135211	3728595	3728595	336510W pt	35310 pt	35310 pt
3363991104	3714402	3714402	3364135313	3728598	3728598	336510WYVW pt	3531000 pt	3531000 pt
3363991107	3714404	3714404	3364135416	3728599	3728599	336510WYVW pt	3743000 pt	3743000 pt
3363991111	3714405	3714405	3364135YVW	3728500	3728500	336510WYVW pt	3531002 pt	3531002 pt
3363991113	3714407	3714407	336413W	37280 pt	37280 pt	336510WYVW pt	3743002 pt	3743002 pt
3363991116	3714408	3714408	336413WYVW	3728000 pt	3728000 pt	3366111	37311	37311
3363991119	3714409	3714409	336413WYVW	3728002 pt	3728002 pt	3366111101	3731111	3731111
3363991YVW	3714400	3714400	3364141	37611	37611	3366111104	3731107	3731107
3363993	37145	37145	3364141100	3761100	3761100	3366111107	3731119	3731119
3363993101	3714501	3714501	3364143	37613	37613	3366111YVW	3731100	3731100
3363993104	3714502	3714502	3364143100	3761300	3761300	3366113	37312	37312
3363993107	3714503	3714503	3364145	37616	37616	3366113100	3731200	3731200
3363993YVW	3714500	3714500	3364145100	3761600	3761600	3366115	37313	37313
3363995	37147	37147	3364147	37612	37612	3366115101	3731315	3731315
3363995101	3714701	3714701	3364147101	3761201	3761201	3366115107	3731335	3731335
3363995104	3714705	3714705	3364147204	3761202	3761202	3366115111	3731343	3731343
3363995107	3714707	3714707	3364147YVW	3761200	3761200	3366115113	3731348	3731348
3363995111	3714714	3714714	3364149	37614	37614	3366115116	3731357	3731357
3363995YVW	3714700	3714700	3364149101	3761401	3761401	3366115119	3731321	3731321
3363997 pt	35199 pt	35199 pt	3364149104	3761402	3761402	3366115121	3731332	3731332
3363997 pt	37142 pt	37142 pt	3364149YVW	3761400	3761400	3366115123	3731333	3731333
3363997 pt	37149 pt	37149 pt	336414A	37617	37617	3366115124 pt	3731361 pt	3731324
3363997 pt	3714A pt	3714A pt	336414A101	3761702	3761702	3366115124 pt	3731361 pt	3731326
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3363997204	3714902	3714902	336414AYVW	3761700	3761700	3366115YVW	3731300	3731300
3363997307	3714903	3714903	336414W	37610	37610	3366117	37314	37314
3363997401	3714235	3714235	336414WYVW	3761000	3761000	3366117101	3731441	3731441
3363997405	3714236	3714236	336414WYVW	3761002	3761002	3366117104	3731449	3731449
3363997409	3519987	3519987	3364151	37645	37645	3366117YVW	3731400	3731400
3363997514	3714909	3714909	3364151101	3764511	3764511	3366119	37316	37316
3363997524	3714916	3714916	3364151204	3764513	3764513	3366119101	3731601	3731601
3363997527	3714922	3714922	3364151307	3764515	3764515	3366119104	3731602	3731602
3363997531	3714923	3714923	3364151YVW	3764500	3764500	3366119YVW	3731600	3731600
3363997534	3714931	3714931	3364153	37646	37646	336611W	37310	37310
3363997551	3714951	3714941 pt	3364153101	3764611	3764611	336611WYVW	3731000	3731000
3363997554	3714A52	3714A41 pt	3364153104	3764613	3764613	336611WYVW	3731002	3731002
3363997YVW pt	3519900 pt	3519900 pt	3364153107	3764615	3764615	3366121	37322	37322
3363997YVW pt	3714200 pt	3714200 pt	3364153YVW	3764600	3764600	3366121101	3732201	3732201
3363997YVW pt	3714900 pt	3714900 pt	3364155	37647	37647	3366121104	3732202	3732202
3363997YVW pt	3714A00 pt	3714A00 pt	3364155101	3764711	3764711	3366121107	3732211	3732211
336399W pt	35190 pt	35190 pt	3364155104	3764713	3764713	3366121111	3732207	3732207
336399W pt	37140 pt	37140 pt	3364155107	3764715	3764715	3366121113	3732209	3732219 pt
336399WYVW pt	3519000 pt	3519000 pt	3364155YVW	3764700	3764700	3366121116	3732210	3732219 pt
336399WYVW pt	3714000 pt	3714000 pt	3364157	37648	37648	3366121119	3732220	3732219 pt
336399WYVW pt	3519002 pt	3519002 pt	3364157101	3764811	3764811	3366121222	3732221	3732221
336399WYVW pt	3714002 pt	3714002 pt	3364157104	3764815	3764815	3366121225	3732223	3732223
3364111	37211	37211	3364157YVW	3764800	3764800	3366121228	3732225	3732225
3364111100	3721100	3721100	336415W	37640	37640	3366121231	3732227	3732227
3364113	37215	37215	336415WYVW	3764000	3764000	3366121234	3732226	3732229 pt
3364113000	3721500	3721500	336415WYVW	3764002	3764002	3366121239	3732227	3732229 pt
3364115	37217	37217	3364191	37692	37692	3366121243	3732224	3732229 pt
3364115101	3721711	3721711	3364191101	3769211	3769211	3366121246	3732231	3732229 pt
3364115104	3721751	3721751	3364191104	3769213	3769213	3366121337	3732228	3732228
3364115YVW	3721700	3721700	3364191207	3769219	3769219	3366121YVW	3732200	3732200
3364117	37218	37218	3364191311	3769225	3769225	3366123	37323	37323
3364117101	3721813	3721813	3364191413	3769235	3769235	3366123104	3732311	3732311
3364117104	3721815	3721815	3364191YVW	3769200	3769200	3366123107	3732316	3732316
3364117107	3721853	3721853	3364193	37694	37694	3366123201	3732304	3732304
3364117111	3721855	3721855	3364193101	3769419	3769419	3366123211	3732321	3732321
3364117YVW	3721800	3721800	3364193107	3769425	3769425	3366123YVW	3732300	3732300
336411W	37210	37210	3364193111	3769435	3769435	3366125	37324	37324
336411WYVW	3721000	3721000	3364193YVW	3769400	3769400	3366125107	3732405	3732405
336411WYVW	3721002	3721002				3366125201	3732401	3732401
3364121	37241	37241				3366125204	3732403	3732403
3364121100	3724100	3724100				3366125211	3732406	3732409 pt
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1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published
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3366127101	3732702	3732702	337110WYVW pt	2541000 pt	2541000 pt	3371244211	2514614	2514614
3366127104	3732704	3732704	337110WYVW pt	5712000 pt	5712000 pt	3371244221	2514622	2514622
3366127107	3732706	3732706	337110WYVY pt	2434002	2434002	3371244231	2514624	2514624
3366127111	3732708	3732708	337110WYVY pt	2541002 pt	2541002 pt	3371244241	2514698	2514698
3366127113	3732712	3732712	337110WYVY pt	5712002 pt	5712000 pt	3371244YVW	2514600	2514600
3366127116	3732717	3732717				3371247	25147	25147
3366127119	3732719	3732719	3371211 pt	25120 pt	25120 pt	3371247111	2514733	2514733
3366127YVW	3732700	3732700				3371247121	2514737	2514737
336612W	37320 pt	37320 pt	3371211 pt	57121 pt	57120 pt	3371247211	2514775	2514775
336612WYVW	3732000 pt	3732000 pt	3371211211	2512012	2512012	3371247221	2514782	2514782
336612WYVY	3732002 pt	3732002 pt	3371211211	2512041	2512041	3371247231	2514783	2514783
			3371211311	2512045	2512045	3371247241	2514788	2514788
3369911 pt	37511	37511	3371211411	2512054	2512054	3371247291 pt	2514789 pt	2514771
3369911 pt	39443 pt	39443 pt	3371211511	2512031	2512031	3371247291 pt	2514789 pt	2514798
3369911101 pt	3751148 pt	3751139	3371211521	2512035	2512035	3371247YVW	2514700	2514700
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3369911101 pt	3751148 pt	3751145	3371211YVW pt	2512000 pt	2512000 pt	337124WYVW	2514000	2514000
3369911101 pt	3751148 pt	3751147	3371211YVW pt	5712100 pt	5712000 pt			
3369911101 pt	3751148 pt	3751149	3371214	25155	25155	3371250	25190	25190
3369911101 pt	3751148 pt	3751155	3371214100	2515500	2515500	3371250111	2519011	2519011
3369911104 pt	3751109	3751109	337121W pt	25120 pt	25120 pt	3371250211	2519033	2519033
3369911104 pt	3944336	3944346 pt				3371250221	2519035	2519035
3369911109	3751110	3751110	337121W pt	25150 pt	25150 pt	3371250311 pt	2519015 pt	2519023
						3371250311 pt	2519015 pt	2519025
3369911113	3751112	3751112	337121W pt	57120 pt	57120 pt	3371250321	2519098	2519098
3369911116	3751115	3751115	337121WYVW pt	2512000 pt	2512000 pt	3371250YVW	2519000	2519000
3369911119	3751116	3751116	337121WYVW pt	2515000 pt	2515000 pt	3371250YVY	2519002	2519002
3369911122	3751124 pt	3751113	337121WYVW pt	5712000 pt	5712000 pt			
3369911122 pt	3751124 pt	3751114	337121WYVY pt	2512002	2512002	3371271	25311 pt	25311 pt
3369911122 pt	3751124 pt	3751123	337121WYVY pt	2515002 pt	2515002 pt	3371271111	2531131	2531131
3369911YVW pt	3751100	3751100	337121WYVY pt	5712002 pt	5712000 pt	3371271121	2531136	2531136
3369911YVW pt	3944300 pt	3944300 pt				3371271211	2531137	2531137
			3371221 pt	25112	25112	3371271221	2531192	2531198 pt
3369913	37512	37512				3371271YVW	2531100 pt	2531100 pt
3369913100 pt	3751200 pt	3751200	3371221 pt	57121 pt	57120 pt			
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3369913100 pt	3751200 pt	3751209	3371221211	2511219	2511219	3371274 pt	39999 pt	39999 pt
			3371221221	2511251	2511251	3371274111	2531271	2531271
336991W pt	37510	37510	3371221231	2511271	2511271	3371274121	2531234	2531234
336991W pt	39440 pt	39440 pt	3371221241	2511281	2511281	3371274131	2531239	2531239
336991WYVW pt	3751000	3751000	3371221311	2511233	2511233	3371274141	2531241	2531241
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336991WYVY pt	3751002	3751002	3371221391	2511291	2511291	3371274161	2531255	2531255
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			3371221YVW pt	5712100 pt	5712000 pt	3371274191	2531261	2531261
3369920 pt	37114 pt	37114 pt				3371274195	2531297	2531297
			3371224	25113	25113	3371274YVW pt	2531200 pt	2531200 pt
3369920 pt	37950	37950	3371224111	2511331	2511331	3371274YVW pt	3999900 pt	3999900 pt
3369920111	3795001	3795001	3371224211	2511331	2511331			
3369920214	3795051	3795051	3371224311	2511351	2511351	3371277	25992	25992
3369920216	3711401	3711400 pt	3371224321	2511371	2511371	3371277111	2599231	2599231
3369920217	3795098	3795098	3371224391	2511391	2511391	3371277121	2599233	2599233
3369920YVW pt	3711000 pt	3711000 pt	3371224395	2511399	2511399	3371277131	2599236	2599236
3369920YVW pt	3711400 pt	3711400 pt	3371224YVW	2511300	2511300	3371277141	2599247	2599247
3369920YVW pt	3795000	3795000				3371277191	2599248	2599248
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3369920YVY pt	3795002	3795002	337122711	2511511	2511511			
			3371227121	2511513	2511513	337127A pt	25994	25994
3369991	37993	37993	3371227131	2511515	2511515			
3369991101	3799382	3799382	3371227141	2511517	2511517	337127A pt	39524 pt	39524 pt
3369991104	3799384	3799384	3371227211	2511521	2511521	337127A211	2599451	2599451
3369991YVW	3799300	3799300	3371227311	2511535	2511535	337127A221	3952411	3952413 pt
			3371227411	2511533	2511533	337127A231	3952412	3952413 pt
3369993	37999 pt	37999 pt	3371227421	2511541	2511541	337127A241	3952413	3952413 pt
3369993101	3799903	3799903	3371227431	2511561	2511561	337127A291	2599497	2599497
3369993204	3799904	3799904	3371227491	2511598	2511598	337127AYVW pt	2599400	2599400
3369993307	3799905	3799905	3371227YVW	2511500	2511500	337127AYVW pt	3952400 pt	3952400 pt
3369993414	3799916	3799923 pt						
3369993417	3799915	3799923 pt	337122A	25116	25116	337127W pt	25310 pt	25310 pt
3369993421	3799920	3799923 pt	337122A111	2511611	2511611			
3369993513	3799925	3799925	337122A121	2511621	2511621	337127W pt	25990 pt	25990 pt
3369993YVW	3799900 pt	3799900 pt	337122A131	2511631	2511631			
			337122A141	2511698	2511698	337127W pt	39520 pt	39520 pt
336999W	37990 pt	37990 pt	337122AYVW	2511600	2511600			
336999WYVW	3799000 pt	3799000 pt				337127W pt	39990 pt	39990 pt
336999WYVY	3799002 pt	3799002 pt	337122E	25117	25117	337127WYVW pt	2531000 pt	2531000 pt
			337122E111	2511725	2511725	337127WYVW pt	2599000 pt	2599000 pt
3371101	24341	24341	337122E121	2511748	2511748	337127WYVW pt	3952000 pt	3952000 pt
3371101111	2434111	2434111	337122E131	2511763	2511763	337127WYVW pt	3999000 pt	3999000 pt
3371101121	2434113	2434113	337122E141	2511765	2511765	337127WYVY pt	2531002 pt	2531002 pt
3371101YVW	2434100	2434100	337122E151	2511767	2511767	337127WYVY pt	2599002 pt	2599002 pt
			337122E161	2511775	2511775	337127WYVY pt	3952002 pt	3952002 pt
3371104	24342	24342	337122E171	2511777	2511779 pt	337127WYVY pt	3999002 pt	3999002 pt
3371104111	2434212	2434212	337122E181	2511781	2511779 pt			
3371104121	2434214	2434214	337122E191	2511783	2511779 pt	3371290	25170	25170
3371104YVW	2434200	2434200	337122EYVW	2511700	2511700	3371290111	2517015	2517015
						3371290211	2517018	2517018
3371107	24343	24343	337122W pt	25110	25110	3371290221	2517021	2517021
3371107111	2434316	2434316				3371290YVW	2517000	2517000
3371107121	2434318	2434318	337122W pt	57120 pt	57120 pt	3371290YVY	2517002	2517002
3371107YVW	2434300	2434300	337122WYVW pt	2511000	2511000			
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337110A	25412 pt	25412 pt	337122WYVY pt	2511002	2511002	3372111111	2521211	2521000 pt
337110A111	2541211	2541200 pt				3372111121	2521213	2521000 pt
337110A121	2541212	2541200 pt				3372111131	2521214	2521000 pt
337110AYVW	2541200 pt	2541200 pt				3372111141	2521217	2521000 pt
						3372111151	2521219	2521000 pt
337110E	25412 pt	25412 pt				3372111161	2521221	2521000 pt
337110E111	2541213	2541200 pt	3371241	25145	25145	3372111YVW	2521200	2521000 pt
337110E121	2541214	2541200 pt	3371241111	2514512	2514512			
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			3371241131	2514515	2514515	3372114111	2521311	2521000 pt
337110H	57121 pt							

1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published
3372117.....	25214.....	25210 pt	337215E.....	25423.....	25423	3391123.....	38412.....	38412
337211711.....	2521411.....	2521000 pt	337215E11.....	2542341.....	2542341	3391123106.....	3841291.....	3841291
337211721.....	2521413.....	2521000 pt	337215E12.....	2542343.....	2542343	3391123111.....	3841293.....	3841293
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337211A11.....	2521711.....	2521000 pt	337215H21.....	2542464 pt.....	2542465			
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337211A13.....	2521715.....	2521000 pt	337215H31.....	2542469.....	2542469	3391131101.....	3842101.....	3842101
337211A14.....	2521719.....	2521000 pt	337215H32.....	2542471.....	2542471	3391131104.....	3842102.....	3842102
337211AYV.....	2521700.....	2521000 pt	337215H33.....	2542499.....	2542499	3391131207.....	3842104.....	3842104
			337215H34.....	3499896.....	3499896 pt	3391131211.....	3842105.....	3842105
337211W.....	25210.....	2521000 pt	337215H35.....	3499897.....	3499899 pt	3391131214.....	3842106.....	3842106
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			337215HYV.....	3499800 pt.....	3499800 pt	3391131221.....	3842108.....	3842108
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			337215K.....	24266.....	24266	3391131227.....	3842110.....	3842110
3372120 pt.....	25417 pt.....	25411 pt	337215K11.....	2426611.....	2426611	3391131231.....	3842112.....	3842112
			337215K12.....	2426613.....	2426613			
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3372120100 pt.....	2541700 pt.....	2541333	337215W pt.....	34990 pt.....	34990 pt	3391131354.....	3842129.....	3842129
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			337910A.....	25156.....	25156	339113W pt.....	38420 pt.....	38420 pt
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337214A22.....	2522715.....	2522700 pt	3379204.....	25914.....	25914	3391141226.....	3843106.....	3843106
337214A23.....	2522719.....	2522700 pt	337920411.....	2591452.....	2591452	3391141231.....	3843107.....	3843107
337214AYV.....	2522700.....	2522700 pt	337920431.....	2591471.....	2591471	3391141236.....	3843108.....	3843108
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337215418.....	2541633.....	2541397 pt	339112121.....	3841121.....	3841121	3391151106.....	3851117.....	3851117
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337215711.....	2542113.....	2542113	339112143.....	3841185.....	3841185			
337215712.....	2542117.....	2542117	3391121536.....	3841186.....	3841186			
337215713.....	2542119.....	2542119	3391121641.....	3841172.....	3841172	3391153.....	38514.....	38514
3372157YV.....	2542100.....	2542100	3391121646.....	3841184.....	3841184	3391153101.....	3851431.....	3851431
						3391153106.....	3851445.....	3851445
337215A.....	25422.....	25422	3391121651.....	3841187.....	3841187	3391153YV.....	3851400.....	3851400
337215A11.....	2542233.....	2542233	3391121656.....	3829510.....	3829500 pt</			

1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published
3391157	38516	38516	3399140 pt.....	34990 pt	34990 pt	3399310YWY	3942002	3942002
3391157101	3851612	3851612	3399140 pt.....	34998 pt	34998 pt	3399321	39443 pt	39443 pt
3391157206	3851613	3851613	3399140 pt.....	34998 pt	34998 pt	3399321101	3944316	3944316
3391157YVW	3851600	3851600	3399140 pt.....	34998 pt	34998 pt	3399321106	3944326	3944346 pt
339115B.....	38517	38517	3399140111 pt	34998 pt	34998 pt	3399321111	3944381	3944381
339115B101	3851702	3851702	3399140118 pt	34998 pt	34998 pt	3399321116	3944397	3944397
339115B106 pt	3851705 pt	3851705 pt	3399140201	34998 pt	34998 pt	3399321YVW	3944300 pt	3944300 pt
339115B106 pt	3851705 pt	3851705 pt	3399140206 pt	34998 pt	34998 pt	3399323	39444	39444
339115B111	3851706	3851706	3399140206 pt	34998 pt	34998 pt	3399323111	3944415	3944415
339115B116	3851709	3851709	3399140216 pt	34998 pt	34998 pt	3399323116	3944421	3944421
339115B121	3851719	3851719	3399140216 pt	34998 pt	34998 pt	3399323121	3944423	3944423
339115B125	3851721	3851721	3399140221	34998 pt	34998 pt	3399323126	3944424	3944424
339115BYVW	3851700	3851700 pt	3399140226 pt	34998 pt	34998 pt	3399323131	3944428	3944428
339115W	38510	38510	3399140226 pt	34998 pt	34998 pt	3399323201	3944411	3944411
339115WYVW	3851000	3851000	3399140YVW pt	34998 pt	34998 pt	3399323206	3944413	3944413
339115WYVY	3851002	3851002	3399140YVW pt	34998 pt	34998 pt	3399323236	3944429	3944429
3391160	80720	80720	3399140YVW pt	34998 pt	34998 pt	3399323241	3944431	3944431
3391160100 pt	8072000 pt	8072000 pt	3399140YVW pt	34998 pt	34998 pt	3399323256	3944439	3944439
3391160100 pt	8072001	8072000 pt	3399140YVY pt	34998 pt	34998 pt	3399323261	3944441	3944441
3391160YVW	8072000 pt	8072000 pt	3399140YVY pt	34998 pt	34998 pt	3399323271	3944495	3944495
3391160YVY	8072002	8072000 pt	3399140YVY pt	34998 pt	34998 pt	3399323276 pt	3944499 pt	3944420
3399111	39111	39111	3399201	39491	39491	3399323276 pt	3944499 pt	3944420
3399111101	3911111	3911111	3399201101	3949106	3949106	3399323346	3944436	3944436
3399111206	3911112	3911112	3399201106	3949111	3949111	3399323451	3944437	3944437
3399111311	3911114	3911114	3399201111	3949114	3949114	3399323566	3944443	3944443
3399111421 pt	3911121 pt	3911131	3399201116	3949117	3949117	3399323YVW	3944400	3944400
3399111421 pt	3911121 pt	3911141	3399201121	3949118	3949118	3399325	39445	39445
3399111516	3911115	3911115	3399201126	3949120	3949120	3399325101	3944511	3944511
3399111526	3911151	3911151	3399201131	3949121	3949121	3399325106	3944513	3944513
3399111531	3911198	3911198	3399201YVW	3949100	3949100	3399325111	3944516	3944516
3399111YVW	3911100	3911100	3399203	39492	39492	3399325116	3944521	3944521
3399113	39113	39113	3399203101	3949231	3949231	3399325121	3944521	3944521
3399113101	3911311	3911311	3399203206	3949241	3949241	3399325226	3944523	3944523
3399113106 pt	3911315 pt	3911321	3399203311	3949245	3949245	3399325231	3944525	3944525
3399113106 pt	3911315 pt	3911341 pt	3399203416	3949247	3949247	3399325236	3944530	3944530
3399113111 pt	3911317 pt	3911331	3399203421	3949298	3949298	3399325YVW	3944500	3944500
3399113111 pt	3911317 pt	3911341 pt	3399203YVW	3949200	3949200	3399327	39446	39446
3399113116	3911398	3911398	3399205	39493	39493	3399327101 pt	3944615 pt	3944615
3399113YVW	3911300	3911300	3399205101	3949301	3949301	3399327101 pt	3944618	3944618
3399115 pt.....	34790 pt	34790 pt	3399205106	3949302	3949302	3399327206	3944621	3944621
3399115 pt.....	34790 pt	34790 pt	3399205YVW	3949300	3949300	3399327211	3944624	3944624
3399115101	39114	39114	3399207	39494	39494	3399327216	3944627	3944627
3399115106 pt	3911411	3911411	3399207101	3949401	3949401	3399327221	3944695	3944695
3399115106 pt	3911413 pt	3911441 pt	3399207111	3949411	3949402 pt	3399327226	3944696	3944696
3399115111 pt	3911415 pt	3911431	3399207121	3949421	3949406 pt	3399327YVW	3944600	3944600
3399115111 pt	3911415 pt	3911441 pt	3399207131 pt	3949431 pt	3949402 pt	3399329	39447	39447
3399115116	3911451	3911451	3399207131 pt	3949431 pt	3949406 pt	3399329100 pt	3944700	3944700
3399115118	3479022	3479021 pt	3399207141	3949441	3949406 pt	3399329106 pt	3944718 pt	3944712
3399115121 pt	3911481 pt	3911461	3399207151	3949451	3949406 pt	3399329100 pt	3944718 pt	3944714
3399115121 pt	3911481 pt	3911471	3399207199 pt	3949499 pt	3949404	3399329100 pt	3944718 pt	3944716
3399115YVW pt	3479000 pt	3479000 pt	3399207199 pt	3949499 pt	3949405	339932W	39440 pt	39440 pt
3399115YVW pt	3911400	3911400	3399207199 pt	3949499 pt	3949406 pt	339932WYVW	3944000 pt	3944000 pt
339911W pt.....	34790 pt	34790 pt	3399207YVW	3949400	3949400	339932YVW	3944002 pt	3944002 pt
339911W pt.....	39110	39110	3399209	39495	39495	3399411	39511	39511
339911WYVW pt.....	3479000 pt	3479000 pt	3399209101	3949511	3949511	3399411101	3951102	3951102
339911WYVW pt.....	3911000	3911000	3399209106	3949515	3949515	3399411206	3951104	3951104
339911WYVY pt.....	3479002 pt	3479002 pt	3399209111	3949527	3949527	3399411311	3951113	3951113
339911WYVY pt.....	3911002	3911002	3399209116	3949528	3949528	3399411YVW	3951100	3951100
3399121	39141	39141	339920911A	3949569	3949569	3399413	39512	39512
3399121101	3914111	3914111	339920911F	3949575	3949575	3399413101	3951202	3951202
3399121106	3914131	3914131	339920911K	3949577	3949577	3399413206	3951206	3951206
3399121111	3914141	3914141	339920911P	3949581	3949593 pt	3399413YVW	3951200	3951200
3399121116	3914143	3914143	339920911U	3949592	3949592	3399415	39513	39513
339912121	3914153	3914153	339920911Y	3949583	3949593 pt	3399415101	3951305	3951305
3399121226	3914175	3914170 pt	3399209121	3949530	3949530	3399415106	3951310	3951310
3399121YVW	3914100	3914100	3399209126	3949536	3949536	3399415111	3951313	3951313
3399123 pt.....	34790 pt	34790 pt	339920912A	3949596	3949596	3399415116	3951325	3951325
3399123 pt.....	39142 pt	39142 pt	339920912F	3949594	3949594	3399415YVW	3951300	3951300
3399123101	3914211	3914211	339920912K	3949595	3949595	339941W	39510	39510
3399123106	3914235	3914235	339920912P	3949597	3949597	339941WYVW	3951000	3951000
3399123111	3914241	3914241	339920912U pt	3949599 pt	3949599 pt	339941WYVY	3951002	3951002
3399123116	3914243	3914243	339920912U pt	3949599 pt	3949599 pt	3399421 pt.....	25311 pt	25311 pt
3399123121	3914275	3914270 pt	3399209131	3949537	3949537	3399421 pt.....	25311 pt	25311 pt
3399123126	3479024	3479021 pt	3399209136	3949538	3949538	3399421 pt.....	25311 pt	25311 pt
3399123YVW pt	3479000 pt	3479000 pt	3399209141	3949539	3949539	3399421 pt.....	25311 pt	25311 pt
3399123YVW pt	3914200 pt	3914200 pt	3399209146	3949541	3949541	3399421 pt.....	25311 pt	25311 pt
339912W pt.....	34790 pt	34790 pt	3399209151	3949551	3949551	3399421 pt.....	25311 pt	25311 pt
339912W pt.....	39140 pt	39140 pt	3399209156 pt	3949561 pt	3949561 pt	3399421 pt.....	25311 pt	25311 pt
339912WYVW pt.....	3479000 pt	3479000 pt	3399209161	3949591	3949591	3399421 pt.....	25311 pt	25311 pt
339912WYVW pt.....	3914000 pt	3914000 pt	3399209166	3949585	3949585	3399421 pt.....	25311 pt	25311 pt
339912WYVY pt	3479002 pt	3479002 pt	3399209171	3949572	3949553 pt	3399421 pt.....	25311 pt	25311 pt
339912WYVY pt	3914002 pt	3914002 pt	3399209176	3949574	3949553 pt	3399421 pt.....	25311 pt	25311 pt
3399131	39152	39152	3399209181	3949576	3949553 pt	3399423	39524 pt	39524 pt
3399131100 pt	3915200 pt	3915200	3399209186	3949556	3949556	3399423101	3952414	3952413 pt
3399131100 pt	3915200 pt	3915211	3399209191	3949571	3949571 pt	3399423206	3952421	3952419 pt
3399131100 pt	3915200 pt	3915233	3399209193	3949565	3949571 pt	3399423YVW	3952400 pt	3952400 pt
3399133	39153	39153	3399209196	3949570	3949570	3399425	35799 pt	35799 pt
3399133101	3915311	3915311	3399209YVW	3949500	3949500	3399425000 pt	3579900 pt	3579900 pt
3399133206	3915312	3915312	339920W	39490	39490	3399425000 pt	3579900 pt	3579900 pt
3399133211	3915321	3915321	339920WYVW	3949000	3949000	339942W pt.....	25310 pt	25310 pt
3399133316	3915331	3915331	339920WYVY	3949002	3949002	339942W pt.....	25310 pt	25310 pt
3399133YVW	3915300	3915300	3399310	39420	39420	339942W pt.....	25310 pt	25310 pt
3399135	39154	39154	3399310106	3942012	3942012	339942W pt.....	25310 pt	25310 pt
3399135100	3915400	3915400	3399310111	3942021	3942021	339942WYVW pt.....	2531000 pt	2531000 pt
339913W	39150	39150	3399310131	3942056	3942056	339942WYVW pt.....	2531000 pt	2531000 pt

1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published
3399430	39530	39530	3399918	30538	30538	3399941YWV pt	3991100	3991100
3399430101	3953013	3953013	3399918111	3053810	3053810	3399943	39912	39912
3399430106	3953015	3953015	3399918121	3053813	3053813	3399943101 pt	3991251 pt	3991211
3399430211	3953033	3953033	3399918131	3053815	3053815	3399943101 pt	3991251 pt	3991233
3399430316	3953035	3953035	3399918141	3053819	3053819	3399943206	3991243	3991243
3399430321	3953037	3953037	3399918251	3053817	3053817	3399943211 pt	3991253 pt	3991281
3399430326	3953098	3953098	3399918YVW	3053800	3053800	3399943211 pt	3991253 pt	3991283
3399430YVW	3953000	3953000	3399919	30539	30539	3399943211 pt	3991253 pt	3991285
3399430YVY	3953002	3953002	3399919111	3053970	3053970	3399943YVW	3991200	3991200
3399441	39551	39551	3399919121	3053973	3053973	3399945	39913	39913
3399441106	3955115	3955115	3399919131	3053975	3053975	3399945101	3991321	3991321
3399441201	3955110	3955110	3399919141	3053977	3053977	3399945106 pt	3991328 pt	3991327
3399441211	3955120	3955120	3399919151 pt	3053989 pt	3053979	3399945106 pt	3991328 pt	3991329
3399441YVW	3955100	3955100	3399919151 pt	3053989 pt	3053981	3399945211	3991336	3991336
3399443	39552	39552	3399919YVW	3053900	3053900	3399945216	3991338	3991338
3399443100	3955200	3955200	339991W	30530	30530	3399945221	3991343	3991343
339944W	39550	39550	339991WYVW	3053000	3053000	3399945226	3991398	3991398
339944WYVW	3955000	3955000	339991WYVY	3053002	3053002	3399945YVW	3991300	3991300
339944WYVY	3955002	3955002	3399921	39311	39311	339994W pt	23920 pt	23920 pt
3399501	39931	39931	3399921101 pt	3931141 pt	3931111	339994WYVW pt	39910	39910
3399501101	3993112	3993112	3399921101 pt	3931141 pt	3931115	339994WYVW pt	2392000 pt	2392000 pt
3399501206	3993113	3993113	3399921106	3931151	3931151	339994WYVY pt	3991000	3991000
3399501311	3993114	3993114	3399921YVW	3931100	3931100	339994WYVY pt	2392002 pt	2392002 pt
3399501316	3993115	3993115	3399923	39312	39312	339994WYVY pt	3991002	3991002
3399501321	3993116	3993116	3399923101	3931211	3931211	3399951	39951	39951
3399501YVW	3993100	3993100	3399923106	3931251	3931251	3399951101	3995113	3995113
3399503	39932	39932	3399923YVW	3931200	3931200	3399951206	3995115	3995115
3399503101 pt	3993201 pt	3993212	3399925	39313	39313	3399951YVW	3995100	3995100
3399503101 pt	3993201 pt	3993262 pt	3399925101	3931311	3931311	3399953	39952	39952
3399503101 pt	3993201 pt	3993278 pt	3399925106	3931351	3931351	3399953101	3995211	3995211
3399503106 pt	3993203 pt	3993222	3399925YVW	3931300	3931300	3399953106	3995252	3995252
3399503106 pt	3993203 pt	3993252 pt	3399927	39314	39314	3399953YVW	3995200	3995200
3399503106 pt	3993203 pt	3993272 pt	3399927116 pt	3931437 pt	3931450	3399955	39953	39953
3399503106 pt	3993203 pt	3993276 pt	3399927116 pt	3931437 pt	3931452	3399955100 pt	3995300 pt	3995300
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3399503106 pt	3993203 pt	3993288 pt	3399927206	3931415	3931415	3399955100 pt	3995300 pt	3995331
3399503111 pt	3993205 pt	3993232	3399927211	3931427	3931427	3399955100 pt	3995300 pt	3995338
3399503111 pt	3993205 pt	3993262 pt	3399927226	3931498	3931498	3399955100 pt	3995300 pt	3995393
3399503111 pt	3993205 pt	3993278 pt	3399927331	3931431	3931431	339995W	39950	39950
3399503116 pt	3993207 pt	3993242	3399927YVW	3931400	3931400	339995WYVW	3995000	3995000
3399503116 pt	3993207 pt	3993252 pt	339992W	39310	39310	339995WYVY	3995002	3995002
3399503116 pt	3993207 pt	3993272 pt	339992WYVW	3931000	3931000	3399991	39991	39991
3399503116 pt	3993207 pt	3993276 pt	339992WYVY	3931002	3931002	3399991101	3999113	3999113
3399503116 pt	3993207 pt	3993288 pt	3399931 pt	31310 pt	31310 pt	3399991106	3999117	3999117
3399503121 pt	3993209 pt	3993262 pt	3399931 pt	31310 pt	31310 pt	3399991111	3999140	3999140
3399503121 pt	3993209 pt	3993278 pt	3399931 pt	39651	39651	3399991116	3999170	3999170
3399503126 pt	3993211 pt	3993252 pt	3399931101 pt	3965131 pt	3965101	3399991121	3999171	3999171
3399503126 pt	3993211 pt	3993272 pt	3399931101 pt	3965131 pt	3965109	3399991YVW	3999100	3999100
3399503126 pt	3993211 pt	3993276 pt	3399931106 pt	3965133 pt	3965111	3399993	39992	39992
3399503126 pt	3993211 pt	3993288 pt	3399931106 pt	3965133 pt	3965119	3399993101	3999222	3999222
3399503YVW	3993200	3993200	3399931111 pt	3131032	3131061 pt	3399993106	3999299	3999299
3399505	39933	39933	3399931111 pt	3965135 pt	3965121	3399993YVW	3999200	3999200
3399505101	3993311	3993300 pt	3399931111 pt	3965135 pt	3965129	3399995	39994	39994
3399505106	3993351	3993300 pt	3399931YVW pt	3131000 pt	3131000 pt	3399995100	3999400	3999400
3399505YVW	3993300	3993300 pt	3399931YVW pt	3965100	3965100	3399997	39997	39997
339950W	39930	39930	3399933	39654	39654	3399997100	3999700	3999700
339950WYVW	3993000	3993000	3399933101 pt	3965441 pt	3965422	3399999	39998	39998
339950WYVY	3993002	3993002	3399933101 pt	3965441 pt	3965423	3399999101	3999813	3999813
3399911	30534	30534	3399933106 pt	3965443 pt	3965431	3399999106 pt	3999816 pt	3999815
3399911111	3053415	3053415	3399933106 pt	3965443 pt	3965433	3399999111	3999821	3999821
3399911121 pt	3053419 pt	3053411	3399933106 pt	3965443 pt	3965439	3399999YVW	3999800	3999800
3399911121 pt	3053419 pt	3053418	3399933YVW	3965400	3965400	3399999C	24991 pt	24991 pt
3399911YVW	3053400	3053400	3399935	39656	39656	3399999C101	2499111	2499111
3399913	30535	30535	3399935101	3965620	3965620	3399999C206	2499161	2499161
3399913111	3053515	3053515	3399935106	3965625	3965625	3399999C311	2499115	2499115
3399913221	3053524	3053531 pt	3399935111	3965633	3965633	3399999C316	2499171	2499171
3399913331	3053517	3053517	3399935121	3965651	3965671	3399999CYVW	2499100 pt	2499100 pt
3399913341	3053519	3053519	3399935126 pt	3965691 pt	3965681	339999H	39999 pt	39999 pt
3399913351 pt	3053529 pt	3053511	3399935126 pt	3965691 pt	3965689	339999H101	3999907	3999907
3399913351 pt	3053529 pt	3053521	3399935YVW	3965600	3965600	339999H106	3999909	3999911 pt
3399913351 pt	3053529 pt	3053531 pt	339993W pt	31310 pt	31310 pt	339999H111	3999951	3999951
3399913YVW	3053500	3053500	339993W pt	39650	39650	339999H121	3999981	3999981
3399915	30536	30536	339993WYVW pt	3131000 pt	3131000 pt	339999H151 pt	3999997 pt	3999913 pt
3399915111	3053621	3053621	339993WYVW pt	3965000	3965000	339999H151 pt	3999997 pt	3999924
3399915221	3053622	3053622	339993WYVY pt	3131002 pt	3131002 pt	339999H151 pt	3999997 pt	3999942 pt
3399915231	3053625	3053625	339993WYVY pt	3965002	3965002	339999H151 pt	3999997 pt	3999944 pt
3399915241	3053626	3053626	3399941 pt	23924 pt	23924 pt	339999H151 pt	3999997 pt	3999999 pt
3399915251	3053630	3053630	3399941 pt	23924 pt	23924 pt	339999HYVW	3999900 pt	3999900 pt
3399915261	3053635	3053635	3399941 pt	39911	39911	339999W pt	24990 pt	24990 pt
3399915YVW	3053600	3053600	3399941101	3991113	3991113	339999W pt	2499000 pt	2499000 pt
3399917	30537	30537	3399941106	3991198	3991198	339999WYVW pt	2499000 pt	2499000 pt
3399917111	3053729	3053729	3399941311	2392471	2392471	339999WYVW pt	2499002 pt	2499002 pt
3399917121	3053748	3053748	3399941316	2392473	2392473	339999WYVY pt	2499002 pt	2499002 pt
3399917YVW	3053700	3053700	3399941321	2392475	2392475	339999WYVY pt	2499002 pt	2499002 pt
			3399941YVW pt	2392400 pt	2392400 pt			

