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## Section 26

# Manufactures

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This section presents summary data for manufacturing as a whole and more detailed information for major industry groups and selected products. The types of measures shown at the different levels include data for establishments, employment and wages, plant and equipment expenditures, value and quantity of production and shipments, value added by manufacture, inventories, and various indicators of financial status.

The principal sources of these data are U.S. Census Bureau reports of the censuses of manufactures conducted every 5 years, the *Annual Survey of Manufactures*, and *Manufacturing Profiles*, an annual compilation of the formerly printed series of *Current Industrial Reports*. Indexes of industrial production are presented monthly in the Federal Reserve Board's *Federal Reserve Bulletin*. These numbers were recently changed to a new index base year (1992 = 100) as of early 1997. Reports on current activities of industries or current movements of individual commodities are compiled by such government agencies as the Bureau of Labor Statistics; the Economic research Service of the Department of Agriculture; the International Trade Administration; and by private research or trade associations such as The Conference Board, Inc., the American Iron and Steel Institute, the Electronic Industries Association, and several others.

Data on financial aspects of manufacturing industries are collected by the Bureau of Economic Analysis (BEA) and the Census Bureau. Industry aggregates in the form of balance sheets, profit and loss statements, analyses of sales and expenses, lists of subsidiaries, and types and amounts of security issues are published for leading manufacturing corporations registered with the Securities and Exchange Commission. The BEA issues

data on capital in manufacturing industries and capacity utilization rates in manufacturing. See also Section 17, Business Enterprise.

**Censuses and annual surveys**—The first census of manufactures covered the year 1809. Between 1809 and 1963, a census was conducted at periodic intervals. Since 1967, it has been taken every 5 years (for years ending in "2" and "7"). Results from the 1997 census are expected in 1999 and 2000. Census data, either direct reports or estimates from administrative records, are obtained for every manufacturing plant with one paid employee or more. The *Annual Survey of Manufactures (ASM)*, conducted for the first time in 1949, collects data for the years between censuses for the more general measure of manufacturing activity covered in detail by the censuses. The annual survey data are estimates derived from a scientifically selected sample of establishments. The 1996 annual survey is based on a sample of about 58,000 establishments of an approximate total of 230,000. These establishments represent all manufacturing establishments of multiunit companies and all single-establishment manufacturing companies mailed schedules in the 1992 Census of Manufactures. For the current panel of the ASM sample, all establishments of companies with 1992 shipments in manufacturing in excess of \$500 million were included in the survey with certainty. For the remaining portion of the mail survey, the establishment was defined as the sampling unit. For this portion, all establishments with 250 employees or more and establishments with a very large value of shipments also were included. Therefore, of the 58,000 establishments included in the ASM panel, approximately 33,000 are selected with certainty. These establishments account

for approximately 80 percent of total value of shipments in the 1992 census. Smaller establishments in the remaining portion of the mail survey were selected by sample.

**Establishments and classification—**

The censuses of manufactures for 1947 through 1992 cover operating manufacturing establishments as defined in the *Standard Industrial Classification Manual* (SIC), issued by the U.S. Office of Management and Budget (see text, Section 13). The Manual is also used for classifying establishments in the annual surveys. The comparability of manufactures data over time is affected by changes in the official definitions of industries as presented in the Manual. It is important to note, therefore, that the 1987 edition of the Manual was used for the 1987 and 1992 censuses; and the 1972 edition of the Manual and the 1977 Supplement were used for the 1972 through 1982 censuses.

The Manual defines an industry as a number of establishments producing a single product or a closely related group of products. In the main, an establishment is classified in a particular industry if its production of a product or product group exceeds in value added its production of any other product group. While some establishments produce only the products of the industry in which they are classified, few within an industry specialize to that extent. The statistics on employment, payrolls, value added, inventories, and expenditures, therefore, reflect both the primary and secondary activities of the establishments in that industry. For this

reason, care should be exercised in relating such statistics to the total shipments figures of products primary to the industry.

Beginning with 1997 census, the Manual will be replaced with a new way of organizing economic statistics called the North American Industry Classification System (NAICS) (see tables in Section 32 using the new *North American Industry Classification System (NAICS) - United States, 1997*).

**Establishment—**Establishment signifies a single physical plant site or factory. It is not necessarily identical to the business unit or company, which may consist of one or more establishments. A company operating establishments at more than one location is required to submit a separate report for each location. An establishment engaged in distinctly different lines of activity and maintaining separate payroll and inventory records is also required to submit separate reports.

**Durable goods—**Items with a normal life expectancy of 3 years or more. Automobiles, furniture, household appliances, and mobile homes are common examples.

**Nondurable goods—**Items which generally last for only a short time (3 years or less). Food, beverages, clothing, shoes, and gasoline are common examples.

**Statistical reliability—**For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

## No. 1229. Gross Domestic Product in Manufacturing in Current and Real (1996) Dollars by Industry: 1990 to 1998

[In billions of dollars (5,803.2 represents 5,803,246,000,000). Data are based on the 1987 Standard Industrial Classification (SIC). Data include nonfactor charges (capital consumption allowances, indirect business taxes, etc.) as well as factor charges against gross product; corporate profits and capital consumption allowances have been shifted from a company to an establishment basis]

Industry	1990	1992	1993	1994	1995	1996	1997	1998
<b>CURRENT DOLLARS</b>								
<b>Gross domestic product . . . . .</b>	<b>5,803.2</b>	<b>6,318.9</b>	<b>6,642.3</b>	<b>7,054.3</b>	<b>7,400.5</b>	<b>7,813.2</b>	<b>8,300.8</b>	<b>8,759.9</b>
Manufacturing . . . . .	1,040.6	1,082.0	1,131.4	1,223.2	1,289.1	1,316.0	1,377.2	1,432.8
Durable goods . . . . .	586.6	594.0	632.8	694.1	729.8	748.4	798.7	842.6
Lumber and wood products . . . . .	32.2	32.3	35.7	39.8	42.3	39.9	41.9	43.9
Furniture and fixtures . . . . .	15.6	16.6	18.1	18.9	19.5	20.7	22.8	25.2
Stone, clay, and glass products . . . . .	25.3	26.3	26.4	30.4	32.4	33.2	38.0	42.1
Primary metal industries . . . . .	43.2	39.6	43.0	47.6	53.0	50.8	51.8	54.8
Fabricated metal products . . . . .	69.4	69.5	73.4	83.2	87.2	93.1	99.6	104.7
Industrial machinery . . . . .	118.2	113.8	113.7	121.0	132.8	136.3	143.8	153.3
Electronic & other electric equipment . . . . .	105.7	107.7	121.0	139.3	146.9	153.2	166.0	168.3
Motor vehicles and equipment . . . . .	47.3	58.8	78.0	95.2	98.2	92.2	99.5	105.0
Other transportation equipment . . . . .	60.5	58.1	54.2	49.6	47.7	51.4	55.6	59.7
Instruments and related products . . . . .	49.3	51.9	48.4	46.8	47.2	53.7	54.1	59.0
Misc. manufacturing industries . . . . .	19.8	19.6	20.9	22.3	22.7	23.8	25.6	26.6
Nondurable goods . . . . .	454.0	488.0	498.6	529.1	559.2	567.6	578.5	590.1
Food and kindred products . . . . .	96.4	105.9	107.6	110.2	121.1	118.7	119.3	122.0
Tobacco manufactures . . . . .	11.9	13.8	12.3	13.2	15.1	14.8	16.1	17.9
Textile mill products . . . . .	22.0	25.7	25.7	25.6	24.8	25.3	25.7	25.6
Apparel and other textile products . . . . .	25.4	27.4	27.7	28.5	27.3	27.0	26.1	25.4
Paper and allied products . . . . .	45.0	45.6	46.9	50.1	58.9	55.9	53.6	54.9
Printing and publishing . . . . .	73.1	78.9	78.5	83.5	80.8	88.2	90.2	96.3
Chemicals and allied products . . . . .	109.9	119.1	122.7	138.7	150.8	153.6	158.8	158.7
Petroleum and coal products . . . . .	31.7	28.2	31.0	29.3	29.0	30.2	31.5	30.1
Rubber and misc. plastic products . . . . .	33.9	38.4	41.6	44.9	46.1	49.7	52.7	54.9
Leather and leather products . . . . .	4.7	4.9	4.7	5.0	5.3	4.2	4.5	4.4
<b>CHAINED (1996) DOLLARS</b>								
<b>Gross domestic product, total . . . . .</b>	<b>6,707.9</b>	<b>6,880.0</b>	<b>7,062.6</b>	<b>7,347.7</b>	<b>7,543.8</b>	<b>7,813.2</b>	<b>8,144.8</b>	<b>8,495.7</b>
Manufacturing . . . . .	1,102.3	1,085.0	1,122.9	1,206.0	1,284.7	1,316.0	1,385.5	1,448.7
Durable goods . . . . .	585.1	568.9	600.3	656.5	714.9	748.4	820.2	906.5
Lumber and wood products . . . . .	45.1	39.5	36.9	38.9	41.6	39.9	40.3	42.2
Furniture and fixtures . . . . .	18.1	18.5	20.1	20.2	20.7	20.7	22.2	23.8
Stone, clay, and glass products . . . . .	29.4	29.6	29.1	32.0	32.8	33.2	37.3	39.7
Primary metal industries . . . . .	43.7	43.7	48.5	50.5	49.6	50.8	51.7	55.5
Fabricated metal products . . . . .	76.1	72.2	75.8	86.4	90.8	93.1	98.1	99.3
Industrial machinery . . . . .	93.5	92.4	96.8	106.8	124.7	136.3	159.1	193.5
Electronic & other electric equipment . . . . .	68.6	73.3	85.0	103.3	128.7	153.2	182.4	222.1
Motor vehicles and equipment . . . . .	68.7	68.7	85.1	99.1	103.2	92.2	100.2	104.8
Other transportation equipment . . . . .	75.7	64.2	58.3	52.2	49.4	51.4	54.9	57.8
Instruments and related products . . . . .	68.9	64.0	57.2	53.8	52.6	53.7	50.0	49.7
Misc. manufacturing industries . . . . .	22.8	20.6	21.4	22.6	23.3	23.8	25.1	25.3
Nondurable goods . . . . .	520.2	520.0	525.4	551.2	570.3	567.6	565.9	546.4
Food and kindred products . . . . .	109.5	111.4	114.6	112.6	133.3	118.7	114.5	113.5
Tobacco manufactures . . . . .	14.5	9.6	9.3	13.8	15.7	14.8	14.5	11.6
Textile mill products . . . . .	22.8	25.6	25.9	26.9	26.0	25.3	25.1	24.4
Apparel and other textile products . . . . .	27.3	27.7	27.6	28.4	28.0	27.0	26.0	24.7
Paper and allied products . . . . .	52.5	55.2	60.7	61.3	52.2	55.9	58.3	55.4
Printing and publishing . . . . .	102.9	96.6	90.5	92.6	89.2	88.2	85.6	86.6
Chemicals and allied products . . . . .	131.1	132.7	132.1	145.5	148.0	153.6	158.5	149.5
Petroleum and coal products . . . . .	22.9	21.1	21.6	22.0	26.9	30.2	25.8	24.0
Rubber and misc. plastic products . . . . .	34.0	37.9	41.2	44.9	47.0	49.7	53.8	53.6
Leather and leather products . . . . .	5.2	5.2	4.9	5.1	5.3	4.2	4.5	4.2

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, November 1999.

## No. 1230. Manufacturing Summary by Industry: 1992 and 1997

Industry	1987 SIC code	Establishments		Paid employees (1,000)		Annual payroll (mil. dol.)		Value of shipments (mil. dol.)	
		1992	1997	1992	1997	1992	1997	1992	1997
<b>Manufacturing, total. . . . .</b>	<b>(X)</b>	<b>370,912</b>	<b>377,776</b>	<b>16,948.9</b>	<b>17,557.0</b>	<b>494,109</b>	<b>595,686</b>	<b>3,004,723</b>	<b>3,958,050</b>
Food and kindred products . . . . .	20	20,798	20,878	1,502.7	1,561.4	36,772	42,941	406,963	480,840
Meat products . . . . .	201	3,240	3,047	400.4	461.8	7,564	9,732	94,072	111,142
Dairy products . . . . .	202	2,020	1,838	135.4	133.0	3,720	4,178	52,720	59,021
Grain mill products . . . . .	204	2,616	2,539	107.2	102.9	3,375	3,686	49,957	60,974
Bakery products . . . . .	205	3,150	3,435	215.0	225.8	5,599	6,475	28,494	34,486
Sugar & confectionery products . . . . .	206	1,129	1,084	91.3	90.2	2,402	2,760	22,710	27,235
Tobacco products . . . . .	21	114	105	38.0	( <sup>5</sup> )	1,524	(D)	35,198	(D)
Cigarettes . . . . .	211	11	13	25.4	21.3	1,205	1,247	29,746	29,253
Textile mill products . . . . .	22	5,886	6,155	616.4	561.9	12,398	13,709	70,753	82,404
Apparel & other textile products . . . . .	23	23,093	23,411	985.3	829.3	15,325	15,404	71,658	81,194
Men's & boys' furnishings . . . . .	232	2,288	2,226	261.0	197.7	3,649	3,234	17,867	19,193
Women's & children's outerwear . . . . .	233	9,536	8,773	306.3	251.4	4,596	4,486	21,631	22,963
Lumber & wood products . . . . .	24	35,807	36,735	655.8	757.3	13,882	18,669	81,565	111,931
Logging . . . . .	241	13,063	13,533	83.2	83.2	1,689	2,014	13,592	13,626
Sawmills & planing mills . . . . .	242	6,845	6,270	168.4	178.6	3,585	4,478	23,294	32,750
Miscellaneous wood products . . . . .	249	3,536	3,609	84.0	93.9	1,725	2,278	10,348	14,842
Furniture & fixtures . . . . .	25	11,658	12,095	471.1	523.9	10,227	13,344	43,826	61,528
Household furniture . . . . .	251	5,412	5,609	253.3	265.1	4,804	5,861	20,507	26,335
Paper & allied products . . . . .	26	6,416	6,496	626.3	( <sup>1</sup> )	20,492	(D)	133,201	(D)
Paper mills . . . . .	262	280	256	130.6	107.6	5,421	5,380	32,786	35,514
Paperboard mills . . . . .	263	204	217	51.5	54.6	2,136	2,685	16,140	19,829
Paperboard containers & boxes . . . . .	265	2,787	2,842	199.4	208.1	5,722	6,952	32,655	40,085
Printing & publishing . . . . .	27	65,392	62,355	1,492.1	1,534.3	41,136	50,092	166,153	210,921
Newspapers . . . . .	271	8,668	8,773	413.9	400.8	10,436	11,730	33,782	41,433
Periodicals . . . . .	272	4,700	6,331	115.1	137.9	4,077	5,997	22,104	29,973
Books . . . . .	273	3,265	3,693	129.5	141.0	4,037	5,240	21,378	28,504
Miscellaneous publishing . . . . .	274	3,385	3,435	65.1	78.6	1,720	2,626	10,908	16,508
Commercial printing . . . . .	275	38,441	34,000	567.2	595.8	15,337	18,841	56,229	69,858
Chemicals & allied products . . . . .	28	12,004	12,371	848.6	820.2	32,502	37,240	305,420	400,085
Plastics materials & synthetics . . . . .	282	628	778	128.5	114.8	5,137	5,353	48,698	63,639
Drugs . . . . .	283	1,426	1,767	194.4	203.0	7,840	10,081	67,791	93,299
Soaps, cleaners, & toilet goods . . . . .	284	2,405	2,474	122.8	126.9	3,927	4,583	42,875	57,507
Paints & allied products . . . . .	285	1,419	1,488	51.1	52.7	1,710	2,067	14,973	19,115
Agricultural chemicals . . . . .	287	890	913	40.3	37.2	1,451	1,519	18,841	24,267
Petroleum & coal products . . . . .	29	2,124	2,147	114.4	106.1	4,967	5,480	150,227	175,779
Petroleum refining . . . . .	291	231	242	74.9	65.5	3,640	3,887	136,551	157,256
Tires & inner tubes . . . . .	301	152	162	64.6	64.4	2,499	2,773	11,814	14,731
Fabricated rubber products, n.e.c. . . . .	306	1,783	1,728	105.1	108.8	2,617	3,144	11,474	15,430
Leather & leather products . . . . .	31	2,040	1,839	101.1	( <sup>3</sup> )	1,806	(D)	9,694	(D)
Stone, clay, & glass products . . . . .	32	16,254	16,393	468.8	505.4	13,113	16,303	62,521	87,244
Miscellaneous nonmetallic mineral products . . . . .	329	1,669	1,564	65.5	73.4	2,004	2,542	10,756	14,461
Primary metal industries . . . . .	33	6,501	6,275	662.1	692.2	22,202	26,830	138,287	188,775
Blast furnace & basic steel products . . . . .	331	1,012	954	238.7	217.7	9,179	10,060	58,449	77,533
Iron & steel foundries . . . . .	332	1,172	1,144	122.1	132.9	3,739	4,667	11,860	17,533
Primary nonferrous metals . . . . .	333	176	179	34.7	33.3	1,334	1,405	13,905	16,321
Nonferrous rolling & drawing . . . . .	335	1,117	1,011	147.4	166.3	4,635	6,094	37,101	52,864
Fabricated metal products . . . . .	34	36,429	37,985	1,362.3	1,549.5	38,962	50,904	166,532	231,704
Metal cans & shipping containers . . . . .	341	481	425	39.6	33.6	1,465	1,378	13,263	13,353
Fabricated structural metal products . . . . .	344	13,255	13,959	388.9	459.8	10,362	14,112	44,876	65,206
Screw machine products, bolts, etc. . . . .	345	2,642	3,785	90.5	133.4	2,624	4,573	9,025	16,461
Metal forgings & stampings . . . . .	346	3,979	3,625	233.7	268.0	7,749	10,486	30,621	44,833
Metal services, n.e.c. . . . .	347	5,247	5,610	108.2	130.8	2,652	3,722	9,953	14,455
Industrial machinery & equipment . . . . .	35	53,956	56,383	1,738.9	1,978.2	57,231	74,550	258,661	407,393
Construction & related machinery . . . . .	353	3,341	3,523	176.2	213.3	5,664	8,081	27,193	47,935
Metalworking machinery . . . . .	354	11,506	11,706	254.9	296.5	8,571	11,812	26,473	39,693
General industrial machinery . . . . .	356	4,132	4,479	244.0	265.4	7,742	9,753	31,443	44,081
Refrigeration & service machinery . . . . .	358	2,306	2,277	178.7	204.7	5,264	6,801	27,544	39,318
Industrial machinery, n.e.c. . . . .	359	23,561	25,390	303.7	368.5	8,843	12,360	25,443	38,648
Electronic & other electric equipment . . . . .	36	16,922	17,104	1,438.8	1,582.3	44,197	58,256	216,764	348,560
Electrical industrial apparatus . . . . .	362	2,173	2,388	157.4	169.0	4,387	5,474	19,266	28,644
Electric lighting & wiring equipment . . . . .	364	2,049	2,106	148.0	158.6	3,974	4,889	19,844	26,197
Communications equipment . . . . .	366	2,014	2,213	238.6	283.8	9,110	13,272	42,955	80,949
Transportation equipment . . . . .	37	11,287	12,387	1,646.9	1,561.7	62,734	68,299	399,269	515,882
Aircraft & parts . . . . .	372	1,746	1,711	548.1	411.2	22,647	20,703	104,858	98,964
Ship & boat building & repairing . . . . .	373	3,050	3,482	162.8	148.3	4,634	4,641	15,248	17,015
Instruments & related products . . . . .	38	11,354	11,727	907.1	( <sup>1</sup> )	33,067	(D)	134,940	(D)
Search & navigation equipment . . . . .	381	762	680	253.0	187.6	10,962	9,958	35,039	32,498
Measuring & controlling devices . . . . .	382	4,737	4,787	275.5	263.2	9,632	11,038	34,729	46,449
Photographic equipment & supplies . . . . .	386	902	739	77.3	63.6	3,061	2,928	22,119	21,306
Miscellaneous mfg. industries . . . . .	39	17,035	18,043	365.5	394.0	8,417	10,563	39,498	50,998

D Withheld to avoid disclosing data of individual companies. X Not applicable. <sup>1</sup> 100,000 employees or more. <sup>2</sup> 25,000 to 49,999 employees. <sup>3</sup> 50,000 to 99,999 employees.

Source: U.S. Census Bureau, 1997 Economic Census, Core Business Statistics Series, Series EC97X-CS2, June 2000.

## No. 1231. Manufactures Summary: 1996

[18,667 represents 18,667,000. Sum of state totals may not add to U.S. total because U.S. and state figures were independently derived]

State	All employees <sup>1</sup>			Production workers <sup>1</sup>		Value added by manufactures <sup>2</sup>		
	Number (1,000)	Total (mil. dol.)	Per employee (dol.)	Total (1,000)	Wages (mil. dol.)	Total (mil. dol.)	Per production worker (dol.)	Value of ship- ments <sup>3</sup> (mil. dol.)
<b>United States . . . . .</b>								
Alabama . . . . .	383	10,587	27,679	285	6,675	27,451	96,422	66,257
Alaska . . . . .	16	488	30,873	12	339	1,470	124,568	3,939
Arizona . . . . .	208	7,191	34,554	120	2,857	22,850	189,782	36,961
Arkansas . . . . .	239	5,829	24,410	188	4,036	18,512	98,414	44,310
California . . . . .	1,938	71,164	36,724	1,162	29,028	188,805	162,427	368,329
Colorado . . . . .	196	6,792	34,686	118	3,122	19,215	162,704	39,191
Connecticut . . . . .	299	12,785	42,802	153	4,699	24,772	161,484	44,369
Delaware . . . . .	60	2,840	47,178	27	784	5,791	212,890	13,601
District of Columbia . . . . .	13	630	49,180	3	97	1,512	504,133	1,975
Florida . . . . .	486	14,853	30,554	297	6,553	38,621	130,170	76,387
Georgia . . . . .	585	17,593	30,100	411	9,634	51,753	125,797	115,898
Hawaii . . . . .	17	509	29,789	10	251	1,609	159,257	3,146
Idaho . . . . .	74	2,383	32,152	53	1,312	7,977	149,944	18,315
Illinois . . . . .	996	36,986	37,124	625	17,625	92,011	147,171	196,845
Indiana . . . . .	660	22,976	34,812	477	14,290	61,896	129,678	133,787
Iowa . . . . .	250	7,839	31,307	177	4,725	27,021	153,092	61,981
Kansas . . . . .	209	6,902	32,994	145	4,006	18,820	129,970	46,152
Kentucky . . . . .	296	9,162	30,933	216	5,752	35,040	162,524	82,531
Louisiana . . . . .	175	6,037	34,439	123	3,706	25,125	203,606	75,723
Maine . . . . .	89	2,674	30,175	66	1,760	6,675	100,988	14,445
Maryland . . . . .	192	6,968	36,309	112	3,226	17,455	155,707	35,700
Massachusetts . . . . .	475	19,026	40,071	264	7,723	44,047	166,655	79,254
Michigan . . . . .	967	41,782	43,230	629	22,643	85,688	136,186	205,744
Minnesota . . . . .	432	15,590	36,071	256	6,886	34,716	135,399	73,723
Mississippi . . . . .	239	5,654	23,666	190	3,838	17,295	91,024	39,564
Missouri . . . . .	415	13,572	32,712	263	6,743	40,208	152,650	85,222
Montana . . . . .	22	588	26,584	15	376	1,707	111,582	4,930
Nebraska . . . . .	110	3,086	28,033	80	1,916	9,218	115,229	25,023
Nevada . . . . .	41	1,195	29,299	27	627	3,275	120,408	6,194
New Hampshire . . . . .	107	3,576	33,293	71	1,848	10,815	152,969	19,348
New Jersey . . . . .	540	22,919	42,419	279	7,905	49,995	179,257	96,001
New Mexico . . . . .	43	1,304	30,053	28	651	11,745	427,087	16,364
New York . . . . .	950	35,641	37,533	555	14,541	90,665	163,448	163,697
North Carolina . . . . .	856	23,796	27,815	628	13,879	76,475	121,814	155,911
North Dakota . . . . .	22	570	25,796	15	340	1,808	117,390	4,794
Ohio . . . . .	1,074	39,790	37,065	720	22,618	105,497	146,462	232,721
Oklahoma . . . . .	167	4,859	29,098	119	2,963	15,875	133,856	35,220
Oregon . . . . .	232	7,869	33,859	157	4,317	21,838	138,917	45,022
Pennsylvania . . . . .	918	31,978	34,849	590	16,026	82,922	140,594	165,889
Rhode Island . . . . .	83	2,565	30,870	55	1,261	5,407	97,779	9,959
South Carolina . . . . .	366	10,658	29,112	272	6,557	30,769	113,162	66,794
South Dakota . . . . .	46	1,220	26,746	32	651	3,974	125,753	10,488
Tennessee . . . . .	533	15,394	28,877	397	9,449	42,288	106,411	95,851
Texas . . . . .	1,055	36,008	34,131	665	17,032	116,631	175,464	284,151
Utah . . . . .	119	3,511	29,576	79	1,924	11,239	141,731	22,010
Vermont . . . . .	48	1,483	30,969	33	788	3,986	122,652	8,554
Virginia . . . . .	399	12,555	31,474	284	7,100	42,519	149,926	80,795
Washington . . . . .	342	13,197	38,610	207	6,429	31,929	154,169	71,874
West Virginia . . . . .	76	2,521	33,083	55	1,607	8,965	163,885	17,679
Wisconsin . . . . .	601	19,779	32,910	416	11,324	53,619	128,984	114,464
Wyoming . . . . .	10	268	27,608	7	175	999	140,746	2,874

<sup>1</sup> Includes employment and payroll at administrative offices and auxiliary units. All employees represents the average of production workers plus all other employees for the payroll period ended nearest the 12th of March. Production workers represents the average of the employment for the payroll periods ended nearest the 12th of March, May, August, and November. <sup>2</sup> Adjusted value added; takes into account (a) value added by merchandising operations (that is, difference between the sales value and cost of merchandise sold without further manufacture, processing, or assembly), plus (b) net change in finished goods and work-in-process inventories between beginning and end of year. <sup>3</sup> Includes extensive and unmeasurable duplication from shipments between establishments in the same industry classification.

Note: Reports for manufacturing by state for 1997 from the 1997 Economic Census are being issued on a flow basis beginning in the summer of 2000.

Source: U.S. Census Bureau, *Annual Survey of Manufactures, Geographic Area Statistics*, Series M96(AS)-3.

## No. 1232. Average Hourly Earnings of Production Workers in Manufacturing Industries by State: 1980 to 1999

[In dollars]

State	1980	1990	1995	1998	1999	State	1980	1990	1995	1998	1999
<b>United States</b> . . . . .	<b>7.27</b>	<b>10.83</b>	<b>12.37</b>	<b>13.49</b>	<b>13.91</b>	Missouri . . . . .	7.26	10.74	12.17	13.38	13.93
Alabama . . . . .	6.49	9.39	11.14	12.11	12.53	Montana . . . . .	8.78	11.51	12.94	13.76	14.18
Alaska . . . . .	10.22	12.46	11.00	11.09	12.10	Nebraska . . . . .	7.38	9.66	11.19	12.32	12.77
Arizona . . . . .	7.29	10.21	11.16	12.17	12.69	Nevada . . . . .	7.72	11.05	12.62	14.42	13.92
Arkansas . . . . .	5.71	8.51	10.05	11.12	11.55	New Hampshire . . . . .	5.87	10.83	11.94	12.79	13.17
California . . . . .	7.70	11.48	12.55	13.66	13.95	New Jersey . . . . .	7.31	11.76	13.56	14.58	15.07
Colorado . . . . .	7.63	10.99	12.51	13.74	14.18	New Mexico . . . . .	5.79	9.04	10.68	12.47	12.56
Connecticut . . . . .	7.08	11.53	13.71	14.83	15.33	New York . . . . .	7.18	11.11	12.50	13.47	13.86
Delaware . . . . .	7.58	12.39	14.20	15.36	15.93	North Carolina . . . . .	5.37	8.79	10.56	11.84	12.32
District of Columbia <sup>1</sup>	8.46	12.51	13.66	14.49	15.26	North Dakota . . . . .	6.56	9.27	10.75	11.40	11.93
Florida . . . . .	5.98	8.98	10.18	11.43	11.83	Ohio . . . . .	8.57	12.64	14.42	15.79	16.26
Georgia . . . . .	5.77	9.17	10.71	12.03	12.50	Oklahoma . . . . .	7.36	10.73	11.52	12.61	12.69
Hawaii . . . . .	6.83	10.99	12.82	13.16	13.48	Oregon . . . . .	8.65	11.15	12.75	14.07	14.61
Idaho . . . . .	7.55	10.60	11.46	12.80	13.40	Pennsylvania . . . . .	7.59	11.04	12.81	14.06	14.18
Illinois . . . . .	8.02	11.44	12.64	13.75	14.05	Rhode Island . . . . .	5.59	9.45	10.62	11.61	11.98
Indiana . . . . .	8.49	12.03	13.91	14.97	15.26	South Carolina . . . . .	5.59	8.84	10.16	10.52	10.67
Iowa . . . . .	8.67	11.27	12.73	13.91	14.20	South Dakota . . . . .	6.50	8.48	9.36	10.22	10.58
Kansas . . . . .	7.37	10.94	12.39	13.84	14.44	Tennessee . . . . .	6.08	9.55	10.78	12.06	12.50
Kentucky . . . . .	7.34	10.70	12.22	13.82	14.26	Texas . . . . .	7.15	10.47	11.47	12.14	12.26
Louisiana . . . . .	7.74	11.61	13.43	14.63	15.19	Utah . . . . .	7.02	10.32	11.62	13.07	13.38
Maine . . . . .	6.00	10.59	12.39	13.49	13.97	Vermont . . . . .	6.14	10.52	12.21	13.03	13.65
Maryland . . . . .	7.61	11.57	13.49	14.31	14.60	Virginia . . . . .	6.22	10.07	11.72	12.90	13.37
Massachusetts . . . . .	6.51	11.39	12.79	13.80	14.24	Washington . . . . .	(NA)	12.61	14.73	15.76	16.14
Michigan . . . . .	9.52	13.86	16.31	17.61	18.33	West Virginia . . . . .	8.08	11.53	12.64	13.72	14.09
Minnesota . . . . .	7.61	11.23	12.79	13.92	14.35	Wisconsin . . . . .	8.03	11.11	12.76	14.02	14.51
Mississippi . . . . .	5.44	8.37	9.76	10.73	11.18	Wyoming . . . . .	7.01	10.83	11.96	14.93	15.40

NA Not available. <sup>1</sup> Washington PMSA (primary metropolitan statistical area).

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, May 2000 issue and earlier issues.

## No. 1233. Manufacturing Full-time Equivalent Employees and Wages by Industry: 1995 to 1998

Industry	Full-time equivalent (FTE) employees (1,000)				Wage and salary accruals per FTE worker (dol.)			
	1995	1996	1997	1998	1995	1996	1997	1998
<b>Manufacturing, total</b> . . . . .	<b>18,190</b>	<b>18,168</b>	<b>18,350</b>	<b>18,513</b>	<b>35,779</b>	<b>37,158</b>	<b>38,965</b>	<b>40,928</b>
Durable goods . . . . .	10,561	10,664	10,880	11,100	37,660	39,038	40,804	42,715
Lumber and wood products . . . . .	772	782	792	817	25,110	26,148	27,448	28,272
Furniture and fixtures . . . . .	502	497	501	523	25,048	26,068	27,641	28,979
Stone, clay, and glass products . . . . .	530	532	544	558	33,283	34,880	35,708	37,088
Primary metal industries . . . . .	697	703	705	709	40,067	40,771	42,033	43,080
Fabricated metal products . . . . .	1,421	1,426	1,461	1,493	32,927	33,968	35,155	36,292
Industrial machinery and equipment . . . . .	2,051	2,074	2,141	2,181	40,063	41,668	44,133	46,454
Electronic and other electric equipment . . . . .	1,607	1,645	1,673	1,689	38,922	40,307	42,838	45,840
Motor vehicles and equipment . . . . .	961	959	975	990	46,658	48,773	49,669	51,908
Other transportation equipment . . . . .	809	815	850	891	44,611	45,520	47,215	48,776
Instruments and related products . . . . .	827	842	851	858	44,654	46,859	48,635	51,663
Miscellaneous manufacturing industries . . . . .	384	389	387	391	28,219	28,776	30,594	32,072
Nondurable goods . . . . .	7,629	7,504	7,470	7,413	33,176	34,486	36,286	38,254
Food and kindred products . . . . .	1,642	1,654	1,651	1,648	30,139	30,567	31,891	33,506
Tobacco products . . . . .	41	40	40	39	53,854	54,975	59,450	57,590
Textile mill products . . . . .	654	624	612	593	23,985	25,019	26,376	27,312
Apparel and other textile products . . . . .	919	846	803	745	18,800	19,832	20,861	22,180
Paper and allied products . . . . .	685	677	674	671	39,458	40,718	42,177	43,349
Printing and publishing . . . . .	1,450	1,444	1,465	1,478	34,539	35,897	37,427	39,481
Chemicals and allied products . . . . .	1,027	1,021	1,019	1,023	51,054	53,303	56,772	60,096
Petroleum and coal products . . . . .	142	138	135	135	54,739	56,188	60,037	64,215
Rubber and miscellaneous plastics products . . . . .	963	965	982	997	29,867	30,898	32,253	33,691
Leather and leather products . . . . .	106	95	89	84	22,321	23,589	25,281	26,345

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, April 2000.

## No. 1234. Manufactures' Shipments, Inventories, and New Orders: 1970 to 1999

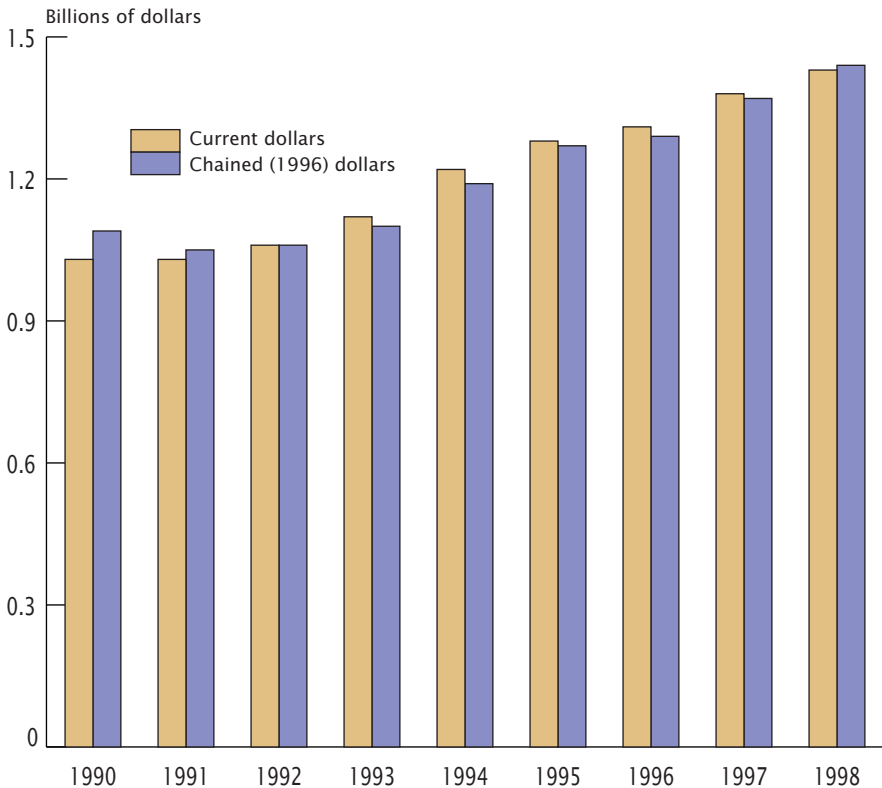
[In billions of dollars, except ratio. (634 represents 634,000,000,000)]

Year	Shipments	Inventories (Dec. 31) <sup>1</sup>	Ratio of inventories to shipments <sup>2</sup>	New orders	Unfilled orders (Dec. 31)	Year	Shipments	Inventories (Dec. 31) <sup>1</sup>	Ratio of inventories to shipments <sup>2</sup>	New orders	Unfilled orders (Dec. 31)
1971 . . . .	671	102	1.76	672	107	1986 . . . .	2,336	318	1.63	2,342	390
1972 . . . .	756	108	1.58	770	120	1987 . . . .	2,476	333	1.58	2,513	427
1973 . . . .	875	124	1.63	913	158	1988 . . . .	2,695	363	1.56	2,739	471
1974 . . . .	1,018	158	1.86	1,047	187	1989 . . . .	2,840	385	1.65	2,875	505
1975 . . . .	1,039	160	1.76	1,023	171	1990 . . . .	2,912	398	1.70	2,934	527
1976 . . . .	1,186	175	1.65	1,194	180	1991 . . . .	2,878	384	1.65	2,866	515
1977 . . . .	1,358	188	1.57	1,381	202	1992 . . . .	3,005	375	1.47	2,979	489
1978 . . . .	1,523	209	1.56	1,580	259	1993 . . . .	3,128	376	1.44	3,092	453
1979 . . . .	1,727	239	1.62	1,771	303	1994 . . . .	3,348	396	1.38	3,357	462
1980 . . . .	1,853	262	1.61	1,876	326	1995 . . . .	3,595	421	1.42	3,608	475
1981 . . . .	2,018	280	1.75	2,015	323	1996 . . . .	3,715	427	1.39	3,749	509
1982 . . . .	1,960	307	1.97	1,946	309	1997 . . . .	3,929	446	1.36	3,952	532
1983 . . . .	2,071	308	1.67	2,105	343	1998 . . . .	4,052	456	1.36	4,034	513
1984 . . . .	2,288	334	1.75	2,315	370	1999 . . . .	4,260	460	1.28	4,279	533

<sup>1</sup> Beginning in 1982, inventories are stated at current cost and are not comparable to the book value estimates for prior years. <sup>2</sup> Ratio based on December seasonally adjusted data.

Source: U.S. Census Bureau, Current Industrial Reports, *Manufacturers' Shipments, Inventories, and Orders: 1987-1997*, Series M3-1(97); and earlier reports.

Figure 26.1  
**Gross Domestic Product in Manufacturing: 1990 to 1998**



Source: Chart prepared by U.S. Census Bureau. For data, see Table 1229.

## No. 1235. Value of Manufactures' Shipments, Inventories, and New Orders by Industry: 1995 to 1999

[In millions of dollars (3,594,663 represents 3,594,663,000,000). Based on 1987 Standard Industrial Classification (SIC). Based on a sample survey of most manufacturing companies with \$500 million or more in annual shipments]

Industry	SIC code	Shipments					Inventories (Dec. 31)					New orders				
		1995	1996	1997	1998	1999	1995	1996	1997	1998	1999	1995	1996	1997	1998	1999
<b>All manufacturing industries . . .</b>	<b>D</b>	<b>3,594,663</b>	<b>3,715,460</b>	<b>3,929,419</b>	<b>4,052,248</b>	<b>4,259,532</b>	<b>421,285</b>	<b>427,130</b>	<b>446,131</b>	<b>456,330</b>	<b>460,048</b>	<b>3,607,586</b>	<b>3,749,299</b>	<b>3,952,025</b>	<b>4,033,676</b>	<b>4,279,186</b>
Durable goods . . . . .	(X)	1,927,029	2,004,159	2,158,699	2,275,987	2,407,473	261,138	266,547	278,766	287,415	287,124	1,941,378	2,036,536	2,180,708	2,259,693	2,425,161
Stone, clay, and glass products . . . .	32	75,932	82,442	90,221	96,193	103,773	8,359	8,679	8,832	9,103	9,682	76,085	82,142	89,893	96,088	103,939
Primary metals . . . . .	33	180,314	178,297	188,916	180,973	178,466	24,052	24,385	24,785	24,797	24,445	178,702	180,362	193,987	175,482	180,740
Fabricated metal products . . . . .	34	204,384	214,007	226,120	239,667	245,517	26,507	27,384	29,046	30,278	30,846	205,388	215,791	228,567	238,751	244,831
Industrial machinery and equipment . .	35	353,338	381,795	408,860	442,316	455,140	57,108	55,912	58,164	58,415	58,283	358,910	383,749	409,215	443,332	461,926
Computer and office equipment . . . .	357	91,343	103,270	111,334	129,875	138,900	12,630	10,277	9,869	8,343	8,179	91,045	103,689	108,986	130,184	139,640
Electronic and other . . . . .	36	301,447	320,616	351,554	375,970	413,204	37,991	37,953	39,102	38,377	42,063	307,634	319,157	356,557	380,470	439,085
Electronic components . . . . .	367	120,129	127,996	143,750	154,479	168,463	12,720	13,145	13,778	13,674	14,603	125,680	126,130	145,674	156,594	185,282
Transportation equipment <sup>1</sup> . . . . .	37	461,806	465,173	502,301	536,896	583,559	57,663	62,347	66,877	73,157	66,729	465,839	495,239	507,667	524,963	567,357
Motor vehicles and parts . . . . .	371	327,908	329,155	346,606	359,560	399,807	15,838	15,852	15,568	16,893	17,506	328,390	328,914	346,901	359,361	400,486
Instruments and related products . . . .	38	144,719	151,017	162,981	168,952	174,661	24,233	24,517	25,143	25,683	26,267	144,175	149,344	165,453	166,008	173,972
Nondurable goods <sup>1</sup> . . . . .	(X)	1,667,634	1,711,301	1,770,720	1,776,261	1,852,059	160,147	160,583	167,365	168,915	172,924	1,666,208	1,712,763	1,771,317	1,773,983	1,854,025
Food and kindred products <sup>1</sup> . . . . .	20	446,961	461,297	470,447	490,365	500,901	34,827	35,973	37,301	37,488	39,250	(NA)	(NA)	(NA)	(NA)	(NA)
Beverages . . . . .	208	64,398	68,387	70,768	73,096	76,050	6,489	7,199	7,871	8,270	8,903	(NA)	(NA)	(NA)	(NA)	(NA)
Tobacco products . . . . .	21	32,984	34,482	38,693	41,625	50,551	6,100	6,256	6,149	6,297	5,493	(NA)	(NA)	(NA)	(NA)	(NA)
Textile mill products . . . . .	22	79,874	80,243	83,871	80,624	78,357	9,841	9,479	9,743	9,756	9,756	(NA)	(NA)	(NA)	(NA)	(NA)
Paper and allied products . . . . .	26	173,716	160,661	161,992	165,429	164,558	17,173	15,887	16,108	16,254	15,955	(NA)	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products <sup>1</sup> . . . .	28	361,391	367,674	389,189	391,700	413,277	39,604	40,794	43,880	45,696	47,055	(NA)	(NA)	(NA)	(NA)	(NA)
Industrial chemicals . . . . .	281,2,6,8	186,970	184,018	193,265	179,798	183,405	19,157	19,603	20,335	19,910	19,673	(NA)	(NA)	(NA)	(NA)	(NA)
Drugs, soaps, toiletries . . . . .	283-4	130,932	138,573	150,016	165,625	183,202	15,596	16,099	18,195	20,000	21,432	(NA)	(NA)	(NA)	(NA)	(NA)
Petroleum and coal products . . . . .	29	151,439	174,284	177,314	145,673	171,149	10,829	12,046	11,806	9,863	11,741	(NA)	(NA)	(NA)	(NA)	(NA)
Rubber and plastics products . . . . .	30	145,739	150,467	156,599	158,156	164,654	15,093	15,584	16,300	16,597	17,456	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available. X Not applicable. <sup>1</sup> Includes industries not shown separately.

Source: U.S. Census Bureau, Current Industrial Reports, *Manufactures' Shipments, Inventories, and Orders: 1987-1997*, Series M3-1(97); and <<http://www.census.gov/indicator/www/m3/index.html>> (accessed July 6 2000).



**No. 1236. Value of Manufacturers' Shipments, Inventories, and New Orders by Market Grouping: 1995 to 1999**

[In millions of dollars (3,594,663 represents 3,594,663,000,000). Based on 1987 Standard Industrial Classification (SIC). For definition of individual market groupings, see publication cited below. Based on a sample survey of most manufacturing companies with \$500 million or more in annual shipments]

Market grouping	Shipments					Inventories (Dec. 31)					New orders				
	1995	1996	1997	1998	1999	1995	1996	1997	1998	1999	1995	1996	1997	1998	1999
<b>All manufacturing industries . . .</b>	<b>3,594,663</b>	<b>3,715,460</b>	<b>3,929,419</b>	<b>4,052,248</b>	<b>4,259,532</b>	<b>421,285</b>	<b>427,130</b>	<b>446,131</b>	<b>456,330</b>	<b>460,048</b>	<b>3,607,586</b>	<b>3,749,299</b>	<b>3,952,025</b>	<b>4,033,676</b>	<b>4,279,186</b>
<b>Market categories:</b>															
Automotive equipment . . . . .	160,793	162,253	169,145	174,876	195,472	7,537	7,697	7,755	8,265	8,411	160,887	162,310	169,310	174,795	195,553
Home goods and apparel . . . . .	210,653	210,324	220,994	226,968	239,710	30,359	28,056	29,226	30,811	30,522	211,040	209,912	222,405	226,721	240,005
Consumer staples . . . . .	742,164	780,340	809,598	830,771	887,224	65,704	67,944	71,473	72,343	75,925	742,360	780,545	809,563	830,983	888,027
Machinery and equipment . . . . .	613,526	652,978	711,993	776,424	816,782	99,957	104,241	111,413	113,597	111,057	624,687	672,605	729,607	774,254	815,394
Business supplies . . . . .	276,451	289,085	302,490	305,988	319,628	25,052	25,326	26,644	27,239	27,461	276,675	289,251	302,437	306,077	320,305
Construction materials and supplies . . . . .	228,247	238,116	252,549	260,244	277,039	26,381	26,721	27,689	28,125	29,968	228,242	239,060	253,766	259,859	277,167
Defense products . . . . .	78,031	75,896	79,523	83,246	82,205	17,146	16,067	16,442	18,604	18,171	76,598	81,145	72,066	76,617	80,373
Other material, supplies and intermediate products . . . . .	1,284,798	1,306,468	1,383,127	1,393,731	1,441,472	149,149	151,078	155,489	157,346	158,533	1,287,097	1,314,471	1,392,871	1,384,370	1,462,362
<b>Durable goods industries:</b>															
Nondefense capital goods . . . . .	475,387	512,068	563,933	624,534	659,952	94,498	98,027	104,787	106,039	101,952	486,134	535,575	577,978	620,400	659,457
Excluding aircraft and parts . . . . .	413,760	448,495	483,149	528,855	561,200	68,579	66,453	69,237	67,978	70,626	418,414	450,084	490,101	532,260	569,833
Defense capital goods . . . . .	73,415	71,947	75,194	79,672	79,401	17,305	16,178	16,693	19,019	18,612	70,903	77,283	67,706	73,169	77,328
Durables excluding capital goods . . . . .	1,378,227	1,420,144	1,519,572	1,571,781	1,668,120	149,335	152,342	157,286	162,357	166,560	1,384,341	1,423,678	1,535,024	1,566,124	1,688,376
<b>Miscellaneous series:</b>															
Producers' durable equipment . . . . .	1,225,170	1,285,908	1,383,145	1,476,942	1,569,970	165,868	171,014	179,571	184,320	184,005	1,240,694	1,304,326	1,405,864	1,473,332	1,566,941
Household durable goods . . . . .	98,645	98,437	106,074	112,406	125,206	14,676	14,160	14,549	15,683	15,894	98,500	97,963	107,403	111,784	125,491
Information technology industries . . . . .	223,048	247,295	270,844	298,064	324,882	34,170	31,765	32,528	30,317	32,727	223,687	246,156	272,605	299,210	330,613
Health care equipment and products . . . . .	114,691	122,805	132,540	144,158	156,913	15,621	16,505	17,853	19,082	20,332	114,183	122,984	133,451	145,319	157,363

Source: U.S. Census Bureau, Current Industrial Reports, *Manufactures' Shipments, Inventories, and Orders: 1987-1997*, Series M3-1(97); and <<http://www.census.gov/indicator/www/m3/index.html>> (accessed July 6 2000).

## No. 1237. Ratios of Manufacturers' Inventories to Shipments and Unfilled Orders to Shipments by Industry Group: 1995 to 1999

[Based on seasonally adjusted data]

Industry	Inventory/shipments ratio					Unfilled orders/shipments ratio				
	1995	1996	1997	1998	1999	1995	1996	1997	1998	1999
<b>All manufacturing industries . . . . .</b>	<b>1.42</b>	<b>1.39</b>	<b>1.36</b>	<b>1.36</b>	<b>1.28</b>	<b>2.81</b>	<b>2.93</b>	<b>2.8</b>	<b>2.61</b>	<b>2.57</b>
Durable goods industries . . . . .	1.64	1.62	1.54	1.51	1.43	3.38	3.49	3.33	3.07	3.01
Stone, clay, and glass products . . . . .	1.31	1.31	1.18	1.12	1.11	1.08	0.99	0.83	0.75	0.71
Primary metals . . . . .	1.62	1.59	1.57	1.74	1.54	1.89	1.97	2.24	2.08	2.02
Fabricated metal products . . . . .	1.56	1.56	1.53	1.50	1.54	1.29	1.35	1.38	1.26	1.24
Industrial machinery and equipment . . . . .	1.91	1.77	1.69	1.64	1.56	2.29	2.23	2.06	2.02	2.1
Electronic and other electrical equipment . . . . .	1.50	1.44	1.33	1.21	1.20	1.96	1.82	1.81	1.83	2.36
Transportation equipment . . . . .	1.54	1.67	1.59	1.58	1.38	5.65	6.44	5.84	5.08	4.54
Instruments and related products . . . . .	2.00	1.97	1.84	1.85	1.79	3.91	3.69	3.54	3.28	3.06
Nondurable goods industries . . . . .	1.16	1.13	1.13	1.15	1.09	0.68	0.72	0.69	0.64	0.66
Food and kindred products . . . . .	0.90	0.93	0.92	0.90	0.93	(NA)	(NA)	(NA)	(NA)	(NA)
Tobacco products . . . . .	2.09	1.95	1.78	1.54	1.18	(NA)	(NA)	(NA)	(NA)	(NA)
Textile mill products . . . . .	1.58	1.44	1.45	1.57	1.54	(NA)	(NA)	(NA)	(NA)	(NA)
Paper and allied products . . . . .	1.23	1.22	1.13	1.20	1.12	(NA)	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products . . . . .	1.33	1.32	1.34	1.38	1.34	(NA)	(NA)	(NA)	(NA)	(NA)
Petroleum and coal products . . . . .	0.89	0.81	0.88	0.93	0.70	(NA)	(NA)	(NA)	(NA)	(NA)
Rubber and plastics products . . . . .	1.25	1.26	1.22	1.25	1.22	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available.

Source: U.S. Census Bureau, Current Industrial Reports, *Manufacturers' Shipments, Inventories, and Orders: 1987-1997*, Series M3-1(97); earlier reports; and <<http://www.census.gov/indicator/www/m3/index.html>> (accessed March 20 2000).

## No. 1238. Industrial Production Indexes by Industry: 1990 to 1999

[1992=100. Data based on 1987 Standard Industrial Classification (SIC)]

Industry	SIC code	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
<b>Total index . . . . .</b>	<b>(X)</b>	<b>98.9</b>	<b>97.0</b>	<b>100.0</b>	<b>103.4</b>	<b>109.1</b>	<b>114.4</b>	<b>119.4</b>	<b>127.1</b>	<b>132.4</b>	<b>137.1</b>
<b>Manufacturing . . . . .</b>	<b>(X)</b>	<b>98.5</b>	<b>96.2</b>	<b>100.0</b>	<b>103.7</b>	<b>110.0</b>	<b>115.8</b>	<b>121.3</b>	<b>130.1</b>	<b>136.4</b>	<b>142.3</b>
Durable goods . . . . .	(X)	99.0	95.5	100.0	105.4	114.3	123.9	134.0	148.0	160.7	172.8
Lumber and products . . . . .	24	101.6	94.5	100.0	100.8	105.9	107.9	110.1	115.0	118.5	121.6
Furniture and fixtures . . . . .	25	100.9	94.8	100.0	104.9	108.1	111.4	113.1	118.0	122.0	125.5
Primary metals . . . . .	33	104.0	96.7	100.0	105.1	113.8	116.2	119.6	126.7	125.6	126.6
Iron and steel . . . . .	331,2	106.4	96.0	100.0	106.1	114.4	116.5	118.9	125.6	122.6	123.2
Fabricated metal products . . . . .	34	101.2	96.2	100.0	104.4	112.2	116.4	120.2	126.1	128.8	128.7
Industrial, commercial machinery <sup>1</sup> . . . . .	35	100.1	95.4	100.0	110.1	125.6	143.7	159.6	178.3	206.4	230.1
Computer and office equipment . . . . .	357	81.4	82.3	100.0	121.2	152.9	208.8	296.0	403.9	675.1	106.1
Electrical machinery . . . . .	36	87.7	89.6	100.0	109.4	130.5	165.7	206.6	260.0	315.1	390.2
Transportation equipment . . . . .	37	102.3	96.5	100.0	103.5	107.5	106.7	107.6	117.1	121.6	122.4
Motor vehicles and parts . . . . .	371	95.3	88.5	100.0	113.0	130.6	133.2	131.8	140.6	141.7	151.0
Autos and light trucks . . . . .	371pt	99.3	91.0	100.0	111.3	125.4	122.4	121.1	127.1	127.8	137.8
Aerospace and miscellaneous . . . . .	372-6,9	109.8	105.0	100.0	93.9	84.9	81.0	83.9	94.2	101.7	94.9
Instruments . . . . .	38	98.4	99.8	100.0	100.8	99.8	103.6	107.6	109.6	112.6	116.5
Nondurable goods . . . . .	(X)	97.9	97.0	100.0	101.8	105.2	107.1	107.8	111.2	111.6	111.8
Foods . . . . .	20	97.0	98.4	100.0	102.0	103.7	105.8	105.4	107.8	109.3	110.1
Tobacco products . . . . .	21	105.4	98.9	100.0	84.1	104.4	111.8	113.5	112.9	106.2	94.3
Textile mill products . . . . .	22	93.2	92.7	100.0	105.3	110.6	110.2	108.7	111.9	110.9	110.9
Paper and products . . . . .	26	96.0	96.8	100.0	104.0	108.4	109.6	108.8	114.3	114.9	116.2
Printing and publishing . . . . .	27	103.1	99.1	100.0	100.7	100.7	101.3	101.3	105.2	105.1	104.4
Chemicals and products . . . . .	28	97.3	96.4	100.0	101.6	104.8	107.4	109.8	114.6	115.1	117.5
Petroleum products . . . . .	29	100.3	99.1	100.0	102.9	102.7	104.5	106.8	110.8	113.3	114.7
Rubber and plastics products . . . . .	30	92.2	90.7	100.0	106.9	116.5	119.7	123.3	128.4	133.2	137.7
Leather and products . . . . .	31	107.8	98.4	100.0	101.0	93.6	86.9	87.5	83.6	77.1	69.8
<b>Mining . . . . .</b>	<b>C</b>	<b>104.8</b>	<b>102.6</b>	<b>100.0</b>	<b>100.0</b>	<b>102.5</b>	<b>102.1</b>	<b>103.7</b>	<b>105.9</b>	<b>103.8</b>	<b>98.0</b>
Metal mining . . . . .	10	93.1	93.3	100.0	98.8	100.5	101.6	104.0	110.3	109.1	97.1
Coal mining . . . . .	12	103.7	100.1	100.0	94.0	103.0	102.6	105.0	108.2	109.7	108.1
Oil and gas extraction . . . . .	13	106.4	104.7	100.0	101.1	101.7	100.5	101.8	103.1	99.5	92.5
Stone and earth minerals . . . . .	14	103.3	96.7	100.0	102.3	108.6	112.9	114.9	120.1	123.4	124.4
<b>Utilities . . . . .</b>	<b>(X)</b>	<b>98.3</b>	<b>100.4</b>	<b>100.0</b>	<b>103.9</b>	<b>105.3</b>	<b>109.0</b>	<b>112.6</b>	<b>112.7</b>	<b>114.4</b>	<b>115.6</b>
Electric . . . . .	491,3pt	99.2	101.2	100.0	103.8	105.5	109.5	112.7	113.3	116.9	118.2
Gas . . . . .	492,3pt	94.4	97.3	100.0	104.3	104.6	107.2	112.3	110.6	103.2	104.8

X Not applicable. <sup>1</sup> Includes computer equipment.

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly; and *Industrial Production and Capacity Utilization*, Statistical Release G.17, monthly.

## No. 1239. Index of Manufacturing Capacity: 1980 to 1999

[1992 output=100. Annual figures are averages of quarterly data. Capacity represents estimated quantity of output relative to output in 1992 which the *current* stock of plant and equipment in manufacturing industries was capable of producing. Primary processing industries comprise textiles, lumber, paper and pulp, petroleum, rubber, stone, clay, glass, primary metals, fabricated metals, and a portion of chemicals. Advanced processing industries comprise chemical products, food, beverages, tobacco, apparel, furniture, printing and publishing, leather, machinery, transportation equipment, instruments, ordnance, and miscellaneous industry groups]

Year	Relation of output to capacity (percent)				Year	Relation of output to capacity (percent)			
	Index of capacity	All manufacturing	Primary processing	Advanced processing		Index of capacity	All manufacturing	Primary processing	Advanced processing
1980 . . . .	95	79	77	81	1990 . . . .	121	81	84	80
1981 . . . .	98	78	77	79	1991 . . . .	123	78	80	77
1982 . . . .	100	72	69	73	1992 . . . .	126	79	82	78
1983 . . . .	102	74	74	74	1993 . . . .	129	80	84	79
1984 . . . .	105	80	80	80	1994 . . . .	133	83	87	80
1985 . . . .	109	79	79	79	1995 . . . .	140	83	87	81
1986 . . . .	112	79	80	78	1996 . . . .	149	82	85	80
1987 . . . .	114	81	84	80	1997 . . . .	158	82	86	81
1988 . . . .	116	84	87	82	1998 . . . .	168	81	84	80
1989 . . . .	118	84	86	82	1999 . . . .	178	80	83	79

Source: Board of Governors of the Federal Reserve System, *Capacity Utilization In Manufacturing, Mining, Utilities, and Industrial Materials*, G.3., monthly.

## No. 1240. Finances and Profits of Manufacturing Corporations: 1990 to 1999

[In billions of dollars (2,811 represents 2,811,000,000,000). Data exclude estimates for corporations with less than \$250,000 in assets at time of sample selection. See Table 900 for individual industry data]

Item	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Net sales . . . . .	2,811	2,812	2,813	3,014	3,256	3,528	3,758	3,920	3,949	4,137
Net operating profit . . . . .	173	174	175	180	242	268	277	298	298	320
Net profit:										
Before taxes . . . . .	158	159	160	118	244	274	307	331	315	356
After taxes . . . . .	110	111	112	83	175	198	225	245	234	261
Cash dividends . . . . .	62	63	64	67	70	81	96	108	121	102
Net income retained in business . . . . .	48	49	50	16	105	117	129	136	114	158

Source: U.S. Census Bureau, *Quarterly Financial Report for Manufacturing, Mining, and Trade Corporations*.

## No. 1241. U.S. Exports of Manufactures, Origin of World Exports of Manufacture: 1991 to 1997

[In billions of dollars (328 represents 328,000,000,000), except percents]

Item	1991	1992	1993	1994	1995	1996	1997
<b>U.S. manufactures export value . . . . .</b>	<b>328</b>	<b>350</b>	<b>365</b>	<b>409</b>	<b>464</b>	<b>498</b>	<b>566</b>
Machinery & transport equipment . . . . .	200	215	225	252	283	308	354
Chemicals . . . . .	43	45	46	52	62	63	71
Other . . . . .	85	90	94	104	119	128	141
<b>Origin of world exports of manufactures (percent):</b>							
<b>United States</b> <sup>1</sup> . . . . .	<b>12.9</b>	<b>12.6</b>	<b>13.1</b>	<b>12.7</b>	<b>12.4</b>	<b>12.9</b>	<b>14.0</b>
Machinery & transport equipment . . . . .	15.9	15.8	16.4	15.7	14.9	15.4	16.9
Chemicals . . . . .	14.4	13.4	13.9	13.5	13.3	13.2	14.5
Other . . . . .	8.5	8.3	8.7	8.5	8.6	9.1	9.8
Germany . . . . .	14.2	13.9	12.0	11.8	12.4	11.9	11.1
Japan . . . . .	11.9	11.8	12.6	11.8	11.4	10.2	10.0
Other G-7 countries <sup>2</sup> . . . . .	21.6	21.0	20.1	19.7	20.3	20.9	20.4
East Asian NICs <sup>3</sup> . . . . .	8.2	8.1	8.8	8.9	9.4	9.3	9.3

<sup>1</sup> U.S. exports are domestic exports only. <sup>2</sup> Other Group of Seven (G-7) Countries: Canada, France, Italy, United Kingdom. <sup>3</sup> East Asian newly industrialized countries (NICs): Hong Kong, S. Korea, Singapore, Taiwan.

Source: U.S. Dept. of Commerce, International Trade Administration, Office of Trade and Economic Analysis. Based on United Nations Commodity Trade Statistics, *Statistical Yearbook of the Republic of China (Taiwan)*, and unpublished data.

## No. 1242. Alcoholic Beverages—Summary: 1990 to 1996

[202 mil. bbl. represents 202,000,000. For stocks on hand, years ending September 30. All other items for fiscal years ending in year shown; see text, Section 9, State and Local Government Finances and Employment. Includes Puerto Rico. Excludes imports]

Item	Unit	1990	1991	1992	1993	1994	1995	1996, prel.
<b>Beer:</b>								
Breweries operated . . . . .	Number . . . . .	286	333	392	480	619	879	1,504
Production <sup>1</sup> . . . . .	Mil. bbl. <sup>2</sup> . . . . .	202	204	202	202	203	200	199
Value of shipments . . . . .	Mil. dol. <sup>2</sup> . . . . .	15,186	15,925	17,302	16,629	16,714	17,108	18,196
Tax-paid withdrawals . . . . .	Mil. bbl. <sup>2</sup> . . . . .	182	183	182	180	180	177	177
Stocks on hand . . . . .	Mil. bbl. <sup>2</sup> . . . . .	14	14	13.4	13.7	13.4	13.5	13.3
<b>Distilled spirits:</b>								
Production facilities operated . . . . .	Number . . . . .	143	145	143	132	150	153	(NA)
Production . . . . .	Mil. tax gal. <sup>5</sup> . . . . .	122	129	110	111	99	104	(NA)
Tax-paid withdrawals <sup>6</sup> . . . . .	Mil. tax gal. <sup>5</sup> . . . . .	251	242	246	240	229	235	(NA)
Stocks on hand <sup>4</sup> . . . . .	Mil. tax gal. <sup>5</sup> . . . . .	451	459	365	420	410	452	(NA)
<b>Whiskey:</b>								
Production <sup>1</sup> . . . . .	Mil. tax gal. <sup>5</sup> . . . . .	77	75	62	59	59	69	(NA)
Stocks on hand . . . . .	Mil. tax gal. <sup>5</sup> . . . . .	365	368	309	361	354	358	(NA)
<b>Still wines:</b>								
Production . . . . .	Mil. wine gal. <sup>7</sup> . . . . .	577	478	484	417	438	412	577
Tax-paid withdrawals <sup>8</sup> . . . . .	Mil. wine gal. <sup>7</sup> . . . . .	468	387	387	354	356	366	382
Stocks on hand <sup>9</sup> . . . . .	Mil. wine gal. . . . .	562	539	525	520	477	398	473

NA Not available. <sup>1</sup> Production represents total amount removed from fermenters, including distilling material, and includes increase after fermentation (by amelioration, sweetening, and addition of wine spirits). <sup>2</sup> Barrels of 31 wine gallons. <sup>3</sup> Source: U.S. Census Bureau, *Census of Manufactures*, and *Annual Survey of Manufactures*. <sup>4</sup> Excludes alcohol produced for industrial use. Also excludes vodka and gin production. <sup>5</sup> For spirits of 100 proof or over, a tax gallon is equivalent to the proof gallon; for spirits of less than 100 proof, the tax gallon is equivalent to the wine gallon. A proof gallon is the alcoholic equivalent of a U.S. gallon at 60 degrees F, containing 50 percent of ethyl alcohol by volume. <sup>6</sup> Includes ethyl alcohol. <sup>7</sup> A wine gallon is the U.S. gallon equivalent to the volume of 231 cubic inches. <sup>8</sup> Includes special natural wines. <sup>9</sup> Excludes distilling materials.

Source: Except as noted, U.S. Bureau of Alcohol, Tobacco, and Firearms, *Alcohol and Tobacco Summary Statistics*, annual; beginning 1985, *Monthly Statistical Release, Distilled Spirits*, Report Symbol 76; and *Wines*, Report Symbol, ATF A:1 5120-3.

## No. 1243. Tobacco Products—Summary: 1990 to 1999

[Production data are for calendar years. Excludes cigars produced in customs bonded manufacturing warehouses]

Item	Unit	1990	1992	1993	1994	1995	1996	1997	1998	1999
<b>PRODUCTION</b>										
Cigarettes . . . . .	Billions . . . . .	710	719	661	726	747	758	720	680	635
Cigars . . . . .	Billions . . . . .	1.9	1.7	1.8	1.9	2.1	2.4	2.3	2.8	2.8
Tobacco <sup>1</sup> . . . . .	Mil. lb. . . . .	142	141	133	132	131	131	134	131	(NA)
<b>Consumption per person <sup>2</sup></b>										
Cigarettes . . . . .	Lb. <sup>3</sup> . . . . .	5.6	5.3	5.3	4.9	4.7	4.7	4.5	4.5	(NA)
Cigarettes . . . . .	1,000 . . . . .	3	3	3	3	3	3	2	2	(NA)
Cigars <sup>4</sup> . . . . .	Number . . . . .	13	12	11	12	15	18	18	18	(NA)
<b>Consumer expenditures . . . . .</b>										
Cigarettes . . . . .	Bil. dol. . . . .	43.8	48.4	49.0	47.7	48.7	50.4	52.2	57.3	(NA)
Cigarettes . . . . .	Bil. dol. . . . .	41.6	45.8	46.2	44.5	45.8	47.2	48.7	53.2	(NA)
Cigars . . . . .	Bil. dol. . . . .	0.7	0.6	0.7	0.9	1.0	1.0	1.2	1.6	(NA)
Other . . . . .	Bil. dol. . . . .	1.5	2.0	2.1	2.3	2.5	2.2	2.2	2.4	(NA)

NA Not available. <sup>1</sup> Smoking and chewing tobaccos and snuff output. <sup>2</sup> Based on estimated population 18 years old and over, as of July 1, including Armed Forces abroad. <sup>3</sup> Unstemmed processing weight equivalent. <sup>4</sup> Weighing over 3 pounds per 1,000.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Tobacco Situation and Outlook*, quarterly.

## No. 1244. Cotton, Wool, and Manmade Fibers—Consumption by End-Use: 1998

[Represents products manufactured by U.S. mills. Excludes glass fiber]

Year	Cotton			Wool		Manufactured fibers					
	Total (mil. lb.)	Total (mil. lb.)	Percent of end-use	Total (mil. lb.)	Percent of end-use	Artificial <sup>1</sup>		Synthetic <sup>2</sup>		Total (mil. lb.)	Percent of end-use
						Total (mil. lb.)	Percent of end-use	Total (mil. lb.)	Percent of end-use		
<b>Total . . . . .</b>	<b>17,516</b>	<b>5,297</b>	<b>30.2</b>	<b>170</b>	<b>1.0</b>	<b>12,049</b>	<b>68.8</b>	<b>372</b>	<b>2.1</b>	<b>11,677</b>	<b>66.7</b>
Apparel . . . . .	6,414	3,229	50.3	113	1.8	3,072	47.9	209	3.3	2,863	44.6
Home textiles . . . . .	2,781	1,661	59.7	15	0.5	1,106	39.8	67	2.4	1,038	37.3
Floor coverings . . . . .	4,305	38	0.9	29	0.7	4,239	98.5	-	-	4,239	99
Industrial <sup>3</sup> . . . . .	4,015	370	9.2	13	0.3	3,632	90.5	95	2.4	3,537	88.1

- Represents or rounds to zero. <sup>1</sup> Rayon and acetate. <sup>2</sup> Nylon, polyester, acrylic, and olefin. <sup>3</sup> Includes consumer-type products.

Source: Fiber Economics Bureau, Inc., Washington, DC, *Textile Organon*, monthly (copyright).

## No. 1245. Broadwoven and Knit Fabrics—Shipments, Foreign Trade, and Apparent Consumption: 1998

[3,974,463 represents 3,974,463,000. Fabric blends as shown in the CIR report, MQ22T, are reported based on the chief weight of the fiber; whereas, fabrics blends as shown for imports are based on the chief value of the fiber. Apparent consumption represents new domestic supply and is derived by subtracting exports for the total manufacturers' shipments plus imports]

Product description	Manufacturers' shipments (quantity)	Imports for consumption		Percent imports to manufacturers' shipments	Exports of domestic merchandise		Percent exports to manufacturers' shipments	Apparent consumption (quantity)
		Quantity	Value <sup>1</sup> (\$1,000)		Quantity	Value (\$1,000)		
<b>BROADWOVEN FABRICS</b> (quantity 1,000 sq. meters)								
Cotton fabrics <sup>2</sup> . . . . .	3,974,463	1,563,075	1,678,463	39.3	309,440	711,702	7.8	5,228,098
Manmade fiber fabrics . . . . .	9,616,057	1,107,941	1,367,862	11.5	448,613	992,696	4.7	10,275,385
Silk fabrics . . . . .	382	31,470	299,883	8,235.9	2,608	20,630	682.5	29,244
Wool fabrics . . . . .	110,546	32,674	317,680	29.6	15,251	80,796	13.8	127,969
<b>KNIT FABRICS</b> (quantity in 1,000 kilograms)								
<b>Total</b> . . . . .	<b>883,780</b>	<b>107,877</b>	<b>907,618</b>	<b>12.2</b>	<b>71,174</b>	<b>600,897</b>	<b>8.1</b>	<b>(NA)</b>
Pile fabrics . . . . .	80,558	35,763	312,688	44.4	20,210	180,668	25.1	(NA)
Elastic fabric . . . . .	46,296	13,430	171,645	29.0	10,994	110,955	23.7	(NA)
Other warp knit fabrics . . . . .	122,991	11,659	111,206	9.5	6,395	70,248	5.2	(NA)
Other narrow knit fabrics . . . . .	20,810	1,117	14,094	5.4	2,806	37,816	13.5	(NA)
Other knit fabrics . . . . .	613,126	45,908	297,985	7.5	30,769	201,210	5.0	(NA)

NA Not available. <sup>1</sup> Dollar value represents the c.i.f. (cost, insurance, and freight) at the first port of entry in the United States plus calculated import duty. <sup>2</sup> Includes all cotton and chiefly cotton mixed with manmade fiber.

Source: U.S. Census Bureau, *Manufacturing Profiles*, Series MP/98; <<http://www.census.gov/ftp/pub/industry/1/mq22t985.pdf>> (issued 18 June 1999); and <<http://www.census.gov/ftp/pub/industry/1/ma22k98.pdf>> (issued December 1999).

## No. 1246. Selected Apparel—Shipments, Foreign Trade, and Apparent Consumption: 1998

[Quantity in thousands of units (12,885 represents 12,885,000), value in millions of dollars (186.3 represents \$186,300,000)]

Product description	Manufacturers' shipments		Exports of domestic merchandise		Imports for consumption		Apparent consumption	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
<b>Men's and boys' apparel:</b>								
Sweaters . . . . .	12,885	186.3	58,956	167.5	61,776	802.8	15,705	821.6
Tops, except sweaters . . . . .	(D)	(D)	510,000	1,172.2	1,946,256	10,110.7	(D)	(D)
Bottoms . . . . .	(D)	(D)	300,984	1,107.6	797,808	5,986.5	(D)	(D)
Coats:	53,684	1,857.8	19,068	138.8	164,436	3,020.0	199,052	4,739.0
Suit type, dress and sport . . . . .	(D)	(D)	5,352	47.3	14,892	579.5	(D)	(D)
Other coats . . . . .	(D)	(D)	13,716	91.5	149,544	2,440.5	(D)	(D)
Suits . . . . .	8,885	726.4	1,704	25.2	97,464	752.1	104,645	1,453.3
Swimwear . . . . .	1,444	22.9	1,548	7.6	43,992	185.1	43,888	200.4
<b>Women's and girls' apparel:</b>								
Sweaters . . . . .	41,363	652.4	2,196	10.7	229,584	2,715.4	268,751	3,357.1
Dresses . . . . .	198,680	4,660.9	21,504	123.5	219,252	2,263.2	396,428	6,800.6
Tops, except sweaters . . . . .	563,612	4,103.9	226,020	460.4	1,429,104	8,612.0	1,766,696	12,255.5
Skirts . . . . .	76,711	1,116.7	12,780	65.6	143,940	1,245.5	207,871	2,296.6
Coats and jackets . . . . .	46,529	1,630.7	18,888	154.2	157,944	2,965.0	185,585	4,441.5
Bottoms, except skirts . . . . .	(D)	(D)	179,280	606.7	687,612	5,098.7	(D)	(D)
Suits . . . . .	8,354	306.8	8,112	61.8	131,040	456.5	131,282	701.5
Swimwear . . . . .	51,706	805.5	13,452	58.5	46,788	293.5	85,042	1,040.5
Infants' apparel . . . . .	159,157	880.2	145,956	205.3	614,496	1,630.9	627,697	2,305.8

D Data withheld to avoid disclosing figures for individual companies.

Source: U.S. Census Bureau, *Manufacturing Profiles*, Series MP/98; <<http://www.census.gov/ftp/pub/industry/1/mq23A985.pdf>> (released 03 September 1999).

## No. 1247. Footwear—Production, Foreign Trade, and Apparent Consumption: 1998

[Quantity in thousands of pairs (156,031 represents 156,031,000 pairs), value in thousands of dollars (369,770 represents 369,770,000)]

Product description	Manufacturers' shipments (quantity)	Exports of domestic merchandise		Percent exports to domestic production	Imports for consumption		Apparent consumption (quantity)	Percent imports to apparent consumption
		Quantity	Value		Quantity	Value		
<b>Total</b> . . . . .	<b>156,031</b>	<b>22,364</b>	<b>369,770</b>	<b>14.3</b>	<b>1,479,740</b>	<b>13,490,309</b>	<b>1,613,407</b>	<b>91.7</b>
Rubber or plastic uppers and rubber or plastics . . . . .	17,632	4,087	41,157	23.2	547,089	3,158,395	560,634	97.6
Waterproof . . . . .	9,129	841	8,945	9.2	8,048	48,062	18,336	49.3
Not waterproof . . . . .	8,503	3,246	32,212	38.2	539,041	3,110,333	544,298	99.0
Leather uppers . . . . .	53,509	9,739	237,698	18.2	642,448	9,044,193	686,218	93.6
Athletic . . . . .	5,588	5,812	124,906	104.0	474,084	5,901,426	473,860	100.0
Leather soles . . . . .	18,622	2,680	78,664	14.4	44,828	1,050,253	60,770	73.8
Made with steel safety toes . . . . .	1,566	236	12,125	15.1	7,984	165,211	9,314	85.7
Boots, ex. with steel safety toes . . . . .	6,994	401	13,739	5.7	4,511	102,173	11,104	40.6
Shoes, ex. with steel safety toes . . . . .	10,062	2,043	52,800	20.3	32,333	782,869	40,352	80.1
Other soles . . . . .	32,311	1,247	34,128	3.9	123,536	2,092,514	154,600	79.9
Made with steel safety toes . . . . .	1,895	-	-	(NA)	-	-	1,895	(NA)
Boots, ex. with steel safety toes . . . . .	5,499	1,247	34,128	22.7	123,536	2,092,514	127,788	96.7
Shoes, ex. with steel safety toes . . . . .	24,917	-	-	(NA)	-	-	24,917	(NA)
Fabric uppers . . . . .	76,434	8,538	90,915	11.2	290,203	1,287,721	358,099	81.0
Rubber or plastic soles . . . . .	48,682	6,951	78,209	14.3	224,979	844,665	266,710	84.4
Athletic (D) . . . . .	(D)	5,582	63,556	(D)	36,181	166,595	(D)	(D)
All other (D) . . . . .	(D)	1,369	14,653	(D)	188,798	678,070	(D)	(D)
With all other soles . . . . .	27,752	1,587	12,706	5.7	65,224	443,056	91,389	71.4

- Represents zero. D Data withheld to avoid disclosure. NA Not available.

Source: U.S. Census Bureau, *Manufacturing Profiles*, Series MP/98, annual; and <ftp://ftp.census.gov/pub/industry/1/ma31a98.pdf> (released February 2000).

## No. 1248. Inorganic Fertilizers, Chemicals, and Pharmaceutical Preparations—Value of Shipments: 1990 to 1998

[In millions of dollars (1,072 represents 1,072,000,000)]

Product	Product code	Unit	1990	1995	1996	1997	1998
<b>INORGANIC FERTILIZERS</b>							
Ammonia, synthetic anhydrous . . . . .	28731 31	Mil. dol . . .	1,072	1,662	1,690	1,578	1,214
Ammonium sulfate . . . . .	28731 57	Mil. dol . . .	130	1,953	214	181	181
Urea (100%) . . . . .	28732	Mil. dol . . .	640	848	912	772	667
Nitric acid (100%) . . . . .	28731 11	Mil. dol . . .	81	168	197	216	160
Phosphoric acid (100% P2O5) . . . . .	28741 81,85	Mil. dol . . .	1,226	1,220	1,227	1,405	1,515
Sulfuric acid, gross (100%) . . . . .	28193	Mil. dol . . .	589	539	578	577	683
Superphosphates and other fertilizer materials . . . . .	28742	Mil. dol . . .	2,711	3,594	3,928	3,692	3,047
<b>INORGANIC CHEMICAL SHIPMENTS</b>							
Alkalies and chlorine . . . . .	2812	Mil. dol . . .	3,187	3,169	3,212	3,067	2,905
Inorganic color pigments . . . . .	2816	Mil. dol . . .	2,261	2,284	2,487	2,606	2,526
Inorganic chemicals n.e.c. . . . .	2819	Mil. dol . . .	13,612	14,179	14,526	14,319	14,237
Household bleaching compounds . . . . .	28422 00	Mil. dol . . .	724	923	891	968	(S)
<b>PHARMACEUTICAL PREP. SHIPMENTS</b>							
<b>Pharmaceutical preparations, except biologicals</b> . . . . .		<b>Mil. dol . . .</b>	<b>33,954</b>	<b>48,864</b>	<b>51,844</b>	<b>57,419</b>	<b>67,275</b>
Affecting neoplasms, endocrine systems, and metabolic disease . . . . .	28341	Mil. dol . . .	2,743	4,076	4,788	5,466	6,916
Acting on the central nervous system and sense organs . . . . .	28342	Mil. dol . . .	7,219	9,228	10,123	11,708	14,661
Acting on the cardiovascular system . . . . .	28343	Mil. dol . . .	4,815	5,988	6,912	8,799	8,909
Acting on the respiratory system . . . . .	28344	Mil. dol . . .	3,724	5,196	4,994	5,641	7,443
Acting on the digestive system . . . . .	28345	Mil. dol . . .	4,840	8,593	8,494	9,482	9,957
Acting on the skin . . . . .	28346	Mil. dol . . .	1,558	2,171	2,185	1,867	2,128
Vitamin, nutrient, and hematonic preps. . . . .	28347	Mil. dol . . .	2,588	4,812	5,281	5,088	5,707
Affecting parasitic and infective disease . . . . .	28348	Mil. dol . . .	5,411	7,196	7,304	7,795	9,745
Pharmaceutical preps. for veterinary use . . . . .	28349	Mil. dol . . .	1,057	1,605	1,763	1,572	1,808

S Does not meet publication standards.

Source: U.S. Census Bureau, through 1992, *Current Industrial Reports*, MA28A, and MA28G, annual; thereafter, *Manufacturing Profiles*, Series MP, annual.

## No. 1249. Fiber, Rugs, Carpeting, and Sheets—Shipments: 1990 to 1998

[812 represents 812,000,000]

Product	Unit	1990	1993	1994	1995	1996	1997	1998
All fibers <sup>1</sup>	Mil. lbs.	812	1,008	1,036	953	912	905	833
Raw wool	Mil. lbs.	133	157	153	142	142	144	115
Noils, and fiber <sup>4</sup>	Mil. lbs.	20	23	19	20	23	20	11
Other fibers	Mil. lbs.	659	829	864	792	748	740	708
Knit fabric production	Mil. lbs.	1,901	2,188	2,211	2,131	1,919	2,174	1,866
Rugs, carpet and carpeting	Mil. dol.	8,527	9,283	9,531	9,770	10,148	10,264	10,853
Sheets	1,000 doz.	14,716	16,331	16,190	15,282	16,108	19,745	20,095
Pillow cases	1,000 doz.	12,443	14,464	14,622	14,232	14,234	17,520	18,473
Terry towels	1,000 doz.	41,855	47,161	48,348	47,939	46,991	44,980	43,084

<sup>1</sup> Includes man-made fiber top converted from tow without combing. A number of companies were added for 1990 based on information in the 1987 Census of Manufactures. Data were received from these companies for 1990. These changes represent approximately 20 percent of the total fibers consumed on the woolen system and worsted combing. <sup>2</sup> Data are shown on a scoured basis for greasy wool. <sup>3</sup> Shorn and pulled wool of sheep excludes raw wool consumed in cotton system spinning to avoid disclosing figures for individual companies. <sup>4</sup> Includes reprocessed and reused wool, mohair, alpaca, vicuna, and other specialty fibers as well as tops and noils consumed in woolen spinning and mohair consumed in worsted combing. Does not include wool tops consumed in cotton system spinning.

Source: U.S. Census Bureau, 1990 and 1992, *Current Industrial Reports*, MA22K, MA22Q, and MQ23X, annual; thereafter, *Manufacturing Profiles*, Series MP, annual.

## No. 1250. Glass Containers, Clay Construction Products, and Refractories—Value of Shipments: 1990 to 1998

[In millions of dollars (285 represents 285,000,000)]

Product	1990	1993	1994	1995	1996	1997	1998
Glass container shipments	285	290	285	269	257	254	254
Brick shipments <sup>1</sup>	1,014	990	1,102	1,092	1,235	1,331	1,453
Clay tile shipments <sup>2</sup>	687	687	756	728	779	834	837
Clay pipe and fittings shipments	60	33	33	35	45	47	48
Refractory shipments	2,003	1,930	2,047	2,222	2,341	2,566	2,379
Clay	771	773	906	941	930	1,084	1,025
Nonclay	1,232	1,157	1,141	1,282	1,411	1,482	1,354

<sup>1</sup> Building or common and face bricks. <sup>2</sup> Floor and wall tile including quarry tile.

Source: U.S. Census Bureau, 1990 and 1992, *Current Industrial Reports*, M32G, MQ32D, and MA32C, annual; thereafter, *Manufacturing Profiles*, Series MP, annual.

## No. 1251. Aluminum Mill Products—Shipments by Product: 1997 and 1998

[Shipments in thousands of pounds (16,311,489 represents 16,311,489,000), receipts in thousands of dollars (1,321,202 represents 1,321,202,000)]

Product description	1997			1998		
	Gross shipments	Total receipts	Net shipments <sup>1</sup>	Gross shipments	Total receipts	Net shipments <sup>1</sup>
<b>Aluminum mill products, total.</b>	<b>16,311,489</b>	<b>1,321,202</b>	<b>14,990,287</b>	<b>16,545,857</b>	<b>1,367,202</b>	<b>15,178,655</b>
Sheet, plate, and foil	11,165,874	775,043	10,390,831	11,278,670	834,265	10,444,405
Sheet	9,624,301	775,043	8,849,258	9,717,288	834,265	8,883,023
Plate	402,487	-	402,487	408,596	-	408,596
Foil	1,139,086	-	1,139,086	1,152,786	-	1,152,786
Rod, wire, and cable	1,140,801	446,287	694,514	1,192,477	456,286	736,191
Rod and bare wire	504,370	446,287	58,083	545,514	456,286	89,228
Cable and insulated wire	636,431	-	636,431	646,963	-	646,963
Rod, bar, pipe, tube and shapes	3,646,886	99,872	3,547,014	3,714,040	76,651	3,637,389
Rod and bar (rolled and extruded)	471,565	99,872	371,693	468,805	76,651	392,154
Pipe and tube (extruded and drawn)	341,442	(D)	341,442	359,250	(D)	359,250
Extruded shapes	2,833,879	-	2,833,879	2,885,985	-	2,885,985
All other	357,928	-	357,928	360,670	-	360,670

- Represents zero. D Withheld to avoid disclosure of individual companies. <sup>1</sup> Net shipments are derived by subtracting domestic receipts from gross shipments.

Source: U.S. Census Bureau, *Manufacturing Profiles*, 1997, Series MP/97; and <<http://www.census.gov/fip/pub/industry/1/m33d9813.pdf>> (issued 30 June 1999).

## No. 1252. Iron and Steel Industry—Summary: 1990 to 1998

[For financial data, the universe in 1992 consists of the companies that produced 68 percent of the total reported raw steel production. The financial data represent the operations of the steel segment of the companies. Minus sign (-) indicates net loss]

Item	Unit	1990	1992	1993	1994	1995	1996	1997	1998
Steel mill products, apparent supply	Mil. tons <sup>1</sup>	97.8	95.0	104.6	121.3	114.8	125.0	131.0	138.4
Net shipments	Mil. tons	85.0	82.2	89.0	95.1	97.5	100.9	105.9	102.4
Exports	Mil. tons	4.3	4.3	4.0	3.8	7.1	5.0	6.0	5.5
Imports	Mil. tons	17.2	17.1	19.5	30.1	24.4	29.2	31.2	41.5
Scrap consumed	Mil. tons	50.1	51.9	58.5	60.0	62.0	62.0	64.0	60.6
Scrap inventory	Mil. tons	3.6	3.3	3.6	4.0	4.1	5.3	5.0	4.5
Iron and steel products:									
Exports	Mil. tons <sup>1</sup>	5.3	5.3	4.7	4.9	8.2	6.2	7.4	6.9
Imports	Mil. tons	21.9	21.9	21.8	32.7	27.3	32.1	34.4	45.4
Capacity by steelmaking process	Mil. net tons	116.7	113.1	109.9	108.2	112.4	116.1	121.4	125.3
Revenue	Bil. dol.	30.9	26.9	29.5	34.1	35.1	35.0	35.9	35.8
Net income	Bil. dol.	0.1	-4.1	1.9	1.3	1.5	0.4	1.1	1.0
Stockholders' equity	Bil. dol.	2.1	2.8	-0.6	3.7	7.4	10.2	10.9	10.8
Total assets	Bil. dol.	28.3	28.8	30.6	34.3	35.1	35.8	37.0	40.1
Capital expenditures	Bil. dol.	2.6	1.8	1.5	2.2	2.5	2.3	2.6	2.7
Working capital ratio <sup>2</sup>	Ratio	1.8	1.4	1.5	1.5	1.6	1.7	1.6	1.5
Inventories	Bil. dol.	4.7	4.5	4.6	5.0	5.1	5.4	5.6	6.6
Average employment	1,000	164	140	127	126	123	119	112	110
Hours worked	Million	350	293	274	273	269	259	247	240
Index of output, all employees <sup>3</sup>	1987=100	109.6	117.1	133.5	142.4	142.7	153.6	(NA)	(NA)
Producer price indexes: <sup>4</sup>									
Iron and steel, total	1982=100	117.2	111.5	116.0	122.0	128.8	125.8	126.5	122.6
Steel mill products	1982=100	112.1	106.4	108.2	113.4	120.1	115.6	116.4	113.9
Electrometallurgical products	1982=100	120.1	115.5	115.7	117.0	126.0	157.7	163.0	158.9
Iron ore	1982=100	83.3	83.7	82.7	82.7	91.8	96.7	96.3	95.5
Scrap, iron and steel	1982=100	166.0	139.2	172.5	192.9	202.7	191.1	188.9	164.9
Foundry and forge shop products	1982=100	117.2	120.1	121.3	123.9	129.3	132.6	134.1	135.0

NA Not available. <sup>1</sup> In millions of short tons. <sup>2</sup> Current assets to current liabilities. <sup>3</sup> Output per hour. Source: U.S. Bureau of Labor Statistics, Internet site <<http://stats.bls.gov/iprhome.htm>>. <sup>4</sup> Source: U.S. Bureau of Labor Statistics, *Producer Price Indexes*, monthly and annual.

Source: American Iron and Steel Institute, Washington, DC, *Annual Statistical Report* (copyright).

## No. 1253. Raw Steel, Pig Iron, and Ferroalloys Production: 1990 to 1998

[In millions (849.4 represents 849,400,000), except percent]

Item	1990	1992	1993	1994	1995	1996	1997	1998
Raw steel (net tons):								
World production	849.4	797.0	802.0	799.6	829.4	826.9	874.9	856.8
U.S. production	98.9	92.9	97.9	100.6	104.9	105.3	108.6	108.8
Percent of world	11.6	11.8	12.2	12.6	12.6	12.7	12.4	12.7
Furnace:								
Basic oxygen process	58.5	57.6	59.3	61.0	62.5	60.4	61.1	59.7
Electric	36.9	35.3	38.5	39.6	42.4	44.9	47.5	49.1
Open hearth	3.5	-	-	-	-	-	-	-
Grade:								
Carbon	86.6	82.5	86.9	89.5	92.7	93.6	95.9	97.1
Alloy and stainless	12.3	10.4	11.0	11.1	12.3	11.7	12.6	11.7
Pig iron and ferroalloys production (sh. tons)	54.8	52.2	53.1	54.4	56.1	54.5	54.7	53.2

- Represents or rounds to zero.

Source: American Iron and Steel Institute, Washington, DC, *Annual Statistical Report* (copyright).

## No. 1254. Steel Products—Net Shipments by Market Classes: 1990 to 1998

[In thousands of short tons (84,981 represents 84,981,000). Comprises carbon, alloy, and stainless steel]

Market class	1990	1992	1993	1994	1995	1996	1997	1998
Total <sup>1</sup>	84,981	82,241	89,022	95,084	97,494	100,878	105,858	102,420
Automotive	11,100	11,092	12,719	14,753	14,622	14,665	15,251	15,842
Steel service centers, distributors	21,111	21,328	23,714	24,153	23,751	27,124	27,800	27,751
Construction, incl. maintenance	9,245	9,536	13,429	10,935	14,892	15,561	15,885	15,289
Containers, packaging, shipping	4,474	3,974	4,355	4,495	4,139	4,101	4,163	3,829
Machinery, industrial equipment, to	2,388	1,951	2,191	2,427	2,310	2,410	2,355	2,147
Steel for converting and processing	9,441	9,226	9,451	10,502	10,440	10,245	11,263	9,875
Rail transportation	1,080	1,052	1,223	1,248	1,373	1,400	1,410	1,657
Contractors' products	2,870	2,694	2,913	3,348	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Oil and gas industries	1,892	1,454	1,526	1,703	2,643	3,254	3,811	2,649
Electrical equipment	2,453	2,136	2,213	2,299	2,397	2,401	2,434	2,255
Appliances, utensils, and cutlery	1,540	1,503	1,592	1,736	1,589	1,713	1,635	1,729

<sup>1</sup> Includes nonclassified shipments and other classes not shown separately. <sup>2</sup> Beginning 1994, contractors' products included with construction.

Source: American Iron and Steel Institute, Washington, DC, *Annual Statistical Report* (copyright).



## No. 1255. U.S. Machine Tool Consumption—Gross New Orders and Exports: 1998 and 1999

[The complete publication including this copyright table is available from the U.S. Government Printing Office and the National Technical Information Service]

## No. 1256. Metalworking Machinery—Shipments: 1990 to 1999

[In millions of dollars (3,426.1 represents \$3,426,100,000)]

Product	Product code	1990	1994	1995	1996	1997	1998	1999
<b>Metalworking machinery . . . . .</b>	<b>(X)</b>	<b>3,426.1</b>	<b>3,780.1</b>	<b>4,547.1</b>	<b>4,607.8</b>	<b>5,010.3</b>	<b>4,817.1</b>	<b>3,783.3</b>
Metal cutting type <sup>1</sup> . . . . .	(X)	2,371.3	2,463.0	3,036.6	3,141.1	3,583.3	3,481.8	2,512.6
Boring machines <sup>2</sup> . . . . .	333512A1	( <sup>2</sup> )	129.8	172.4	88.9	80.2	73.6	53.8
Drilling machines <sup>2</sup> . . . . .	333512A1	184.1	52.0	78.9	99.5	89.2	102.9	50.6
Gear cutting machines . . . . .	33351211	102.7	100.6	137.1	164.3	213.5	197.7	132.0
Grinding and polishing machines . . . . .	33351220	433.6	443.3	549.6	541.3	595.0	535.5	477.1
Lathes . . . . .	33351230	355.6	390.8	478.0	451.1	480.7	472.9	297.4
Milling machines <sup>4</sup> . . . . .	33351240	214.3	138.9	194.8	199.7	280.2	281.1	200.5
Machining centers <sup>5</sup> . . . . .	33351270	437.0	552.4	698.8	779.4	931.6	897.3	597.9
Station type machines . . . . .	33351280	502.1	455.1	477.0	498.6	551.9	571.0	407.1
Other metal cutting machine tools <sup>6</sup> . . . . .	33351290	141.9	200.1	246.2	316.0	358.3	344.6	291.7
Metal forming type . . . . .	(X)	1,080.2	1,317.1	1,510.5	1,466.6	1,427.0	1,335.3	1,270.7
Punching and shearing machines . . . . .	33351310 pt.	200.1	294.4	326.3	331.4	319.2	254.3	220.0
Bending and forming machines . . . . .	33351310 pt.	222.9	253.2	256.9	283.0	258.5	262.7	265.8
Presses, except forging . . . . .	33351330	308.3	376.4	379.2	402.0	422.4	399.5	433.7
Forging machines <sup>7</sup> . . . . .	33351350 pt.	73.9	(D)	(D)	(D)	(D)	(D)	(D)
Other metal forming <sup>7</sup> . . . . .	33351350 pt.	275.0	393.0	548.1	450.2	426.9	418.8	351.2

D Data withheld to avoid disclosure. X Not applicable. <sup>1</sup> Data for "All lathes (turning machines)" and "All milling machines," valued at under \$3,025 each are included in total "Metal cutting type" for 1995 through 1999. <sup>2</sup> For 1990, data for "Boring machines" were combined with "Drilling machines" to avoid disclosing individual company data. <sup>3</sup> For 1994 through 1999 product code 35415, "Lathes," excludes the value for product code 35415 09, All Lathes valued under \$3,025 each. <sup>4</sup> For 1994 through 1999 product code 35416, "Milling machines," excludes the value for product code 35416 09, "All milling machines valued under \$3,025 each." <sup>5</sup> Multi-function numerically controlled machines. <sup>6</sup> Excludes those designed primarily for home workshops, labs, etc. <sup>7</sup> For 1994 through 1999, data for "Forging machines" have been combined with "Other metal forming machines" to avoid disclosing individual company.

Source: U.S. Census Bureau, *Manufacturing Profiles*, Series MP, annual; and release date: July 2000, <<http://www.census.gov/ftp/pub/industry/1/mq35w995.pdf>>.

## No. 1257. Selected Types of Construction Machinery—Value of Shipments: 1990 to 1998

[In millions of dollars (2,235.9 represents 2,235,900,000)]

Product description	Product code	1990	1994	1995	1996	1997	1998
		Tractor shovel loaders . . . . .	33312014	2,235.9	2,632.6	3,041.8	3,340.1
Power cranes, draglines, and shovels . . . . .	33312011	1,511.8	2,252.5	2,561.4	2,740.3	2,927.4	3,362.4
Mixers, pavers, and related equipment . . . . .	33312012	609.6	1,079.8	1,168.8	1,145.8	1,283.8	1,460.0
Off-highway trucks, truck-type tractor, chassis trailers, coal haulers, or wagons . . . . .	33312013	1,453.1	(D)	1,597.4	1,697.2	1,596.3	1,436.1
Motor graders and light maintainers . . . . .	33312016	408.0	445.2	479.9	588.4	(D)	(D)
Rough terrain forklifts . . . . .	33312016	209.3	270.9	355.4	412.3	499.5	668.2
Equipment for mounting on tractors . . . . .	258.6	(X)	286.6	(X)	(X)	(X)	(X)
Self-propelled continuous ditchers and trenchers . . . . .	33312016	129.7	174.0	193.5	209.1	238.7	266.1
Construction machinery for mounting on trucks, tractors, and other prime movers . . . . .	33312017	(NA)	(NA)	(NA)	214.5	258.6	272.5
Aerial work platforms . . . . .	33392372	814.9	844.9	1,131.1	(D)	(D)	2,040.3

D Data withheld to avoid disclosing figures for individual companies. NA Not available. X Not applicable.

Source: U.S. Census Bureau, *Manufacturing Profiles*, Series MP, annual; and <<http://www.census.gov/ftp/pub/industry/1/ma35d98.pdf>> (released February 2000).

## No. 1258. Mining and Mineral Processing Equipment—Shipments: 1997 and 1998

Product	Product code	Number of companies	Quantity (units)		Value (mil. dol.)	
			1997	1998	1997	1998
<b>Mining and mineral processing equipment . . . . .</b>	<b>(X)</b>	<b>(X)</b>	<b>(X)</b>	<b>(X)</b>	<b>2,051</b>	<b>1,856</b>
Portable crushing, screening, washing, and combination plants . . . . .	33312081	17	1,256	941	151	146
Underground mining machinery <sup>1</sup> . . . . .	33313110	26	16,763	16,902	680	444
Crushing/pulverizing/screening machinery <sup>2</sup> . . . . .	33313150	37	4,123	4,512	416	364
Drills and other mining machinery, n.e.c. <sup>1 3</sup> . . . . .	33313171	27	13,562,410	12,601,726	285	420
Portable drilling rigs and parts . . . . .	3331327	28	3,341,598	2,631,443	519	482

X Not applicable. <sup>1</sup> Excludes parts. <sup>2</sup> Excludes portables and parts. <sup>3</sup> N.e.c. = Not elsewhere classified.

Source: U.S. Census Bureau, *Manufacturing Profiles*, Series MP, annual; and <<http://www.census.gov/ftp/pub/industry/1/ma35f98.pdf>>.

## No. 1259. Engines, Refrigeration and Heating Equipment, and Pumps and Compressors—Shipments: 1995 to 1998

[23,274 represents 23,274,000]

Product	Product code	Unit	1995	1996	1997	1998
			<b>Internal combustion engines produced . . . . .</b>	<b>(X)</b>	<b>1,000 . . . .</b>	<b>23,274</b>
Gasoline (except outboard, aircraft, and auto) . . . . .	35191	1,000 . . . .	22,287	22,659	23,989	26,352
Nonautomotive diesel (except aircraft) . . . . .	35193	1,000 . . . .	246	270	300	296
Automotive diesel . . . . .	35194	1,000 . . . .	732	685	771	851
Natural gas and LPG . . . . .	35196	1,000 . . . .	9	9	18	24
<b>Air-conditioning, heating equipment shipments:</b>						
Heat transfer equipment . . . . .	35851	Mil. dol . . . .	(NA)	4,280	4,246	4,472
Room air-conditioners and dehumidifiers . . . . .	35856	Mil. dol . . . .	(NA)	1,020	1,020	1,098
Motor vehicle mechanical air-conditioning systems . . . . .	35857	Mil. dol . . . .	(NA)	2,208	2,221	2,100
Compressors and compressor units . . . . .	3585A	Mil. dol . . . .	(NA)	3,092	2,796	2,814
Automotive air-conditioning compressors . . . . .	3585B	Mil. dol . . . .	(NA)	1,652	1,951	1,977
Nonelectric warm air furnaces and dehumidifiers . . . . .	3585C	Mil. dol . . . .	(NA)	1,562	1,558	1,607
Unitary air conditioners . . . . .	3585E	Mil. dol . . . .	(NA)	4,625	4,615	5,229
Air source heat pumps . . . . .	3585F	Mil. dol . . . .	(NA)	1,046	917	1,054
<b>Pumps and compressors <sup>1</sup> . . . . .</b>	<b>(X)</b>	<b>Mil. dol . . . .</b>	<b>7,373</b>	<b>8,327</b>	<b>8,879</b>	<b>9,122</b>
Industrial pumps . . . . .	35612	Mil. dol . . . .	2,700	3,093	2,732	2,924
Domestic water systems . . . . .	35613	Mil. dol . . . .	329	361	357	409
Air and gas compressors . . . . .	35633	Mil. dol . . . .	2,466	2,665	2,635	2,522

NA Not available. X Not applicable. <sup>1</sup> Includes products not shown separately.

Source: U.S. Census Bureau, *Manufacturing Profiles*, Series MP, annual; and <<http://www.census.gov/ftp/pub/industry/1/ma35f98.pdf>> (released March 2000); <<http://www.census.gov/ftp/pub/industry/1/ma35m98.pdf>> (released May 2000); <<http://www.census.gov/ftp/pub/industry/1/ma35p98.pdf>> (released March 2000).

## No. 1260. Computers and Office and Accounting Machines—Value of Shipments: 1990 to 1998

[In millions of dollars (25,630 represents 25,630,000,000)]

Selected products	1990	1993	1994	1995	1996	1997	1998
Electronic computers	25,630	29,659	38,261	49,038	50,682	50,250	57,347
Host computers (multi-users)	(NA)	(NA)	(NA)	(NA)	(NA)	12,240	14,860
Single user computers	(NA)	(NA)	(NA)	(NA)	(NA)	36,988	41,729
Other computers	(NA)	(NA)	(NA)	(NA)	(NA)	1,022	758
Loaded computer processor boards and board subassemblies <sup>2</sup>	2,247	15,087	17,515	24,448	24,937	27,040	25,456
Computer storage devices & equipment	7,488	5,731	5,556	7,903	8,909	8,837	7,248
Parts for computer storage devices & subassemblies	955	1,496	1,952	2,236	1,720	2,382	2,222
Computer terminals	2,067	1,531	1,244	1,086	1,104	781	529
Computer peripheral equipment, n.e.c.	7,697	9,810	11,944	12,331	12,463	13,555	11,450
Parts for input/output equipment	3,706	2,554	2,499	2,391	5,505	2,628	2,631
Calculating and accounting machines <sup>3</sup>	(D)	1,454	1,262	1,279	1,485	1,622	1,060
Magnetic and optical recording media	3,695	4,483	4,777	5,106	5,739	5,739	4,869

D Withheld to avoid disclosing data for individual companies. NA Not available. <sup>1</sup> Prior to 1997, product class separation for computers is not available. <sup>2</sup> These data are collected on two Current Industrial Report forms, MA35R, Computers and Office and Accounting Machines (Shipments) and MA36Q, Semiconductors, Printed Circuit Boards, and Other Electronic Components. <sup>3</sup> Product classes 35781 and 35782 were combined to product class 35784 beginning 1991.

Source: U.S. Census Bureau, *Manufacturing Profiles*, Series MP, annual; and <<http://www.census.gov/ftp/pub/industry/1/ma35r98.pdf>> (released December 1999).

## No. 1261. Computers and Office and Accounting Machines—Shipments: 1997 and 1998

[20,992 represents 20,992,000]

Product	Number of companies, 1998	Quantity (1,000)		Value (mil. dol.)	
		1997	1998	1997	1998
<b>Electronic computers (automatic data processors)</b>	<b>141</b>	<b>20,992</b>	<b>24,006</b>	<b>50,250</b>	<b>57,347</b>
Host computers (multi-users):					
Large scale systems and unix servers	14	297	753	5,460	5,217
Medium-scale systems and unix servers	34	856	657	5,281	6,808
PC servers	20	236	(D)	1,207	(D)
Other host computers	6	33	(D)	292	(D)
Single user computers:					
Personal computers	45	15,233	16,481	25,367	25,267
Workstations	32	485	717	5,388	9,794
Laptops (AC/DC)	13	503	308	1,257	648
Notebooks, subnotebooks (battery operated)	13	1,887	2,422	4,698	5,696
Personal digital assistants	3	(D)	69	(D)	48
Other portable computers	6	(D)	223	(D)	163
Other single user computers	5	177	206	112	113
Other computers	39	1,009	1,716	1,022	758
Computer storage devices and equipment	90	(X)	(X)	8,837	7,248
Parts for computer storage devices and subassemblies	18	(X)	(X)	2,382	2,222
Computer terminals	47	(X)	(X)	781	529
Computer peripheral equipment, n.e.c. <sup>1</sup>	253	(X)	(X)	13,555	11,450
Keyboards	25	14,254	15,331	613	751
Computer printers:					
Laser	35	2,427	2,504	2,548	2,384
Inkjet	15	7,486	8,862	1,511	1,223
Calculating and accounting machines	43	(X)	(X)	1,622	1,060
Printed circuit assemblies	792	(X)	(X)	27,040	25,456
Magnetic and optical recording media	69	(X)	(X)	5,739	4,869

D Withheld to avoid disclosure of individual companies. X Not applicable. <sup>1</sup> N.e.c. = Not elsewhere classified. Source: U.S. Census Bureau, *Manufacturing Profiles*, Series MP, annual; and <<http://www.census.gov/ftp/pub/industry/1/ma35r98.pdf>> (released December 1999).

## No. 1262. Computers and Industrial Electronics—Factory Shipments: 1990 to 1998

[In millions of dollars (50,793 represents 50,793,000,000)]

Item	1990	1993	1994	1995	1996	1997	1998
<b>Computer and peripheral equipment, total</b>	<b>50,793</b>	<b>54,821</b>	<b>59,254</b>	<b>73,555</b>	<b>78,278</b>	<b>76,287</b>	<b>78,831</b>
Computers	25,973	30,002	38,261	49,038	50,682	50,250	57,347
Peripheral equipment	24,820	24,819	20,993	24,517	27,597	26,037	21,484
<b>Industrial electronics, total</b>	<b>26,183</b>	<b>27,250</b>	<b>29,927</b>	<b>33,732</b>	<b>35,472</b>	<b>38,108</b>	<b>37,640</b>
Controlling, processing equipment	12,728	13,961	15,014	16,450	17,051	18,212	17,860
Testing, measuring equipment	6,859	7,332	8,416	10,109	11,224	11,966	12,312
Nuclear electronic equipment	567	519	477	501	491	516	556
Robots, accessories, and components	275	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Other electronic equipment	5,754	5,438	6,020	6,672	6,706	7,414	6,912

NA Not available.

Source: Electronic Industries Alliance, Arlington, VA, *Electronic Market Data Book*, annual (copyright).

## No. 1263. Consumer Electronics and Electronic Components— Factory Sales by Product Category: 1990 to 1999

[In millions of dollars (43,033 represents \$43,033,000,000). Factory sales include imports]

Product category	1990	1994	1995	1996	1997	1998	1999, prel.
<b>Total</b> 1	<b>43,033</b>	<b>58,230</b>	<b>64,530</b>	<b>68,002</b>	<b>71,814</b>	<b>75,547</b>	<b>80,976</b>
<b>Video products:</b>							
Direct-view color TV	6,197	7,225	6,798	6,492	6,026	6,151	6,199
LCD color TV	50	42	44	39	38	39	36
Projection TV	626	1,117	1,417	1,426	1,361	1,577	1,632
TV/VCR combinations	178	710	723	697	684	831	1,014
Monochrome TV	99	38	34	29	27	23	20
LCD Monochrome TV	33	32	31	32	30	28	25
<b>Other video:</b>							
VCR decks	2,439	2,869	2,767	2,815	2,618	2,409	2,333
Camcorders	2,260	1,985	2,130	2,084	1,894	2,144	2,448
Laserdisc players	72	122	108	66	25	10	3
Home satellite earth stations	421	900	1,265	1,201	726	733	957
Videocassette players	65	64	59	43	39	21	15
Digital versatile disc players (DVD)	(NA)	(NA)	(NA)	(NA)	171	421	1,099
<b>Home and portable products:</b>							
Compact audio systems	1,270	1,703	1,162	1,157	1,419	1,557	1,695
Separate audio components	1,935	1,686	1,911	1,808	1,609	1,565	1,530
Home radios	360	306	284	291	300	300	348
Portable audio equipment	1,645	2,495	2,506	2,149	2,033	2,146	1,987
<b>Mobile electronics:</b>							
Aftermarket autosound equipment	1,192	1,898	1,931	1,814	1,811	1,859	2,070
Factory installed autosound	3,100	3,225	3,100	2,512	2,710	2,540	2,610
Wireless (cellular) telephones	1,133	1,275	2,574	2,660	2,750	2,775	2,808
Pagers	118	230	300	370	460	550	660
Vehicle security	190	401	142	165	210	213	205
<b>Home office products:</b>							
Cordless telephones	842	1,106	1,141	1,176	1,679	1,745	1,808
Corded telephones	638	610	557	553	528	489	483
Telephone answering devices	827	1,153	1,077	1,004	1,020	1,104	1,044
Home computers	4,187	10,088	12,600	15,040	15,950	16,640	16,390
Computer printers	(NA)	(NA)	2,430	2,999	3,900	4,188	4,500
Modems/fax modems	(NA)	(NA)	770	960	1,170	1,305	1,460
Computer peripherals	1,980	3,100	816	975	1,212	1,440	1,950
Computer software (incl. CD-ROM)	971	2,050	2,500	3,000	3,450	3,930	4,480
Home fax machines	920	964	919	839	1,139	647	455
Digital cameras	(NA)	(NA)	(NA)	177	483	519	1,207
<b>Electronic gaming:</b>							
Electronic Gaming Hardware	975	1,575	1,500	1,600	1,650	1,980	2,250
Electronic Gaming Software	2,400	2,925	3,000	3,500	3,900	4,480	5,100
<b>Blank media:</b>							
Blank audio cassettes	376	353	334	314	281	248	208
Blank videocassettes	948	730	708	725	695	639	590
Blank floppy diskettes	314	353	373	300	250	232	200
<b>Accessories and batteries:</b>							
Electronic accessories	793	874	944	982	982	1,178	1,398
Total primary batteries	1,383	2,412	2,600	2,676	2,869	2,963	3,620

NA Not available. <sup>1</sup>Includes categories, not shown separately.

Source: Electronic Industries Alliance, Washington, DC, *Electronic Market Data Book*, annual (copyright).

## No. 1264. Communication Equipment—Value of Shipments: 1990 to 1998

[In millions of dollars (36,990.3 represents 36,990,300,000)]

Product description	Product code	1990	1993	1994	1995	1996	1997	1998
<b>Communication equipment</b>	<b>(X)</b>	<b>36,990.3</b>	<b>42,113.8</b>	<b>49,598.1</b>	<b>56,362.0</b>	<b>65,608.6</b>	<b>73,587.8</b>	<b>77,170.1</b>
Telephone switching and switchboard equipment	3342101	7,537.1	7,240.9	8,067.6	8,178.4	9,617.7	10,302.2	12,317.0
Carrier line equipment and modems	3342104	5,013.8	4,993.3	5,114.0	5,868.6	7,544.6	7,278.1	7,968.3
Other telephone and telegraph equipment and components	3342107	3,180.5	7,026.4	8,479.5	10,510.0	14,030.9	16,488.1	18,170.4
Communication systems and equipment (except broadcast)	3342201	14,768.0	16,196.7	19,977.5	23,031.9	25,332.5	29,416.0	28,686.2
Broadcast, studio, and related electronic equipment	3342203	1,856.4	2,077.5	2,469.5	2,844.7	3,000.2	3,360.5	3,451.5
Intercommunications systems, including inductive paging systems (selective calling)	3342903	346.1	241.7	283.7	296.0	277.8	256.4	268.3
Alarm systems	3342901	1,027.2	1,532.4	1,550.5	1,662.1	1,802.8	1,926.5	2,039.8
Vehicular and pedestrian traffic control equipment and electrical railway signals and attachments	3342902	470.6	573.4	669.9	710.7	762.0	963.7	904.8
Electronic teaching machines, teaching aids, trainers and simulators	3333197	1,208.8	847.7	838.5	913.3	865.7	872.0	750.2
Laser sources <sup>1</sup>	3359997	(NA)	(NA)	726.4	787.5	843.8	991.8	928.6
Ultrasonic equipment	335999A	108.8	127.3	137.5	172.3	184.3	212.9	204.1
Other electronic systems and equipment, n.e.c. <sup>2</sup>	335999C	1,473.0	1,256.5	1,283.5	1,386.5	1,346.3	1,519.7	1,480.8

NA Not available. X Not applicable. <sup>1</sup> Beginning in 1994, data for laser equipment, instrumentation, and components have been eliminated from this survey. Only laser sources are being collected. <sup>2</sup> Product class 36997 changed to product class 36999 for 1992. Product classes 36998, 39992, and 39447 are no longer collected on this survey.

Source: U.S. Census Bureau, *Manufacturing Profiles*, Series MP, annual; and <<http://www.census.gov/ftp/pub/industry/1/ma36p98.pdf>> (issued March 2000).

## No. 1265. Semiconductors, Printed Circuit Boards, and Other Electronic Components—Value of Shipments by Class of Product: 1990 to 1998

[In millions of dollars (1,096.5 represents \$1,096,500,000). N.e.c. = not elsewhere classified]

Class of product	Product code	1990	1994	1995	1996	1997	1998
		Transmittal, industrial, and special-purpose electron tubes (except x-ray)	3344111	1,096.5	1,120.5	854.9	611.9
Electron tubes, receiving type	(X)	24.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Receiving type electron tubes and cathode ray picture tubes	3344114	1,344.1	1,262.1	1,290.7	1,327.0	1,343.6	3,370.1
Electron tube parts	3344117	142.6	114.9	120.2	153.1	161.0	147.1
Printed circuit boards	3344120	7,174.5	6,812.3	8,367.3	8,216.8	8,702.4	9,423.7
Integrated microcircuits (semiconductor networks)	3344131	16,623.3	36,020.4	48,437.9	52,639.3	57,019.4	59,005.1
Transistors	3344134	682.3	834.6	942.3	945.9	1,500.2	779.0
Diodes and rectifiers	3344137	668.2	829.5	1,066.7	861.4	1,190.5	650.9
Other semiconductor devices	334413A	5,741.0	9,915.4	12,639.4	10,976.1	10,262.3	9,970.1
Capacitors for electronic applications	3344140	1,391.5	1,512.3	1,785.3	1,653.4	2,098.7	2,047.6
Resistors	3344150	799.8	869.5	953.2	911.9	993.4	789.7
Coils, transformers, reactors, and chokes for electronic applications	3344160	975.6	1,250.7	1,411.8	1,435.6	1,425.7	1,351.6
Coaxial connectors	3344171	420.0	642.4	731.6	656.9	581.0	596.1
Cylindrical connectors	3344174	513.6	511.3	552.9	642.5	554.9	584.1
Rack and panel connectors	3344177	500.0	545.6	540.5	530.7	657.9	748.7
Printed circuit connectors	334417A	804.9	923.4	1,026.4	1,095.3	1,276.5	1,124.8
Other connectors including parts	334417D	1,085.0	1,377.2	1,401.9	1,617.1	2,208.8	1,980.5
Filters (except microwave) and piezoelectric devices	3344191	457.4	674.1	729.2	719.3	814.7	802.4
Microwave components and devices	3342207	1,368.7	1,227.2	1,233.4	1,251.4	1,439.8	1,494.8
Transducers, electrical/electronic input or output	3344194	741.1	970.5	1,111.3	1,104.8	1,219.6	1,368.6
Switches, mechanical types for electronic circuitry	3344197	579.4	621.5	666.3	738.0	791.2	870.0
Printed circuit assemblies	334418A	8,269.3	17,514.8	24,447.7	24,937.3	27,040.2	25,455.7
All other electronic components n.e.c.	334419D	4,898.3	6,149.7	6,978.1	7,199.1	7,484.7	6,977.9

X Not applicable. <sup>1</sup> Product codes combined to avoid disclosing figures for individual companies.

Source: U.S. Census Bureau, *Manufacturing Profiles*, Series MP, annual; and <<http://www.census.gov/ftp/pub/industry/1/ma36q98.pdf>> (released February 2000).

## No. 1266. Selected Instruments and Related Products—Shipments: 1990 to 1998

[In millions of dollars (1,418 represents \$1,418,000,000)]

Product	Product code	1990	1994	1995	1996	1997	1998
		Automatic regulating and control valves	332911F	1,418	1,807	1,860	1,893
Solenoid-operated valves (except nuclear and fluid power transfer)	332911H	346	452	464	522	541	523
Aeronautical, nautical, and navigational instruments	3345111	2,518	1,859	2,125	2,274	2,531	2,487
Search & detection, navigation & guidance systems and equipment	3345113	32,420	25,567	24,697	26,094	26,584	26,001
Laboratory apparatus and laboratory furniture	3391110	1,675	1,811	1,837	1,799	1,887	1,845
Controls for monitoring residential and commercial environments and appliance	3345120	1,982	2,521	2,533	2,648	2,717	2,787
Process control instruments	3345130	5,224	6,240	6,439	6,745	7,073	6,658
Integrating and totalizing meters for gas and liquids	3345141	725	859	915	963	1,079	1,133
Counting devices	3345143	210	354	364	367	434	404
Motor vehicle instruments	3345145	1,457	2,092	2,193	2,219	2,245	2,364
Integrating instruments, electrical	3345151	396	440	445	458	457	466
Test equipment for testing electrical, radio and communication circuits, and motors	3345153	6,156	7,582	9,255	10,390	11,639	11,798
Instruments to measure electricity	3345155	586	554	555	500	456	411
Analytical, scientific instruments (except optical)	3345160	4,412	5,534	5,737	5,478	6,059	5,803
Sighting, tracking, and fire-control equipment, optical type	3333141	581	652	655	613	575	512
Optical instruments and lenses <sup>3</sup>	3333143	1,252	1,597	1,579	1,749	2,005	2,060
Aircraft engine instruments (except flight)	3345191	579	430	430	530	521	643
Physical properties and kinematic testing equip.	3345193	1,012	1,199	1,374	1,369	1,523	1,690
Nuclear radiation detection and monitoring instruments	3345195	567	489	501	497	530	569
Commercial, geophysical, meteorological, and general purpose instruments	3345197	1,140	1,344	1,373	1,452	1,677	1,424
Surveying and drafting instruments	3345199	274	324	356	365	360	372

<sup>1</sup> Includes laboratory furniture. Prior to 1990, laboratory furniture was included in product class 38296. <sup>2</sup> Includes some data previously classified in product class 37149, "Other motor vehicle parts and accessories, new, n.e.c." <sup>3</sup> Beginning 1992, product classes 38272, "Binoculars and astronomical instruments," and 38273, "Other optical instruments and lenses" were combined into product class 38274; prior years have been restated to reflect revision.

Source: U.S. Census Bureau, 1990, *Current Industrial Reports*, MA38B; thereafter *Manufacturing Profiles*, Series MP, annual; <<http://www.census.gov/ftp/pub/industry/1/ma38b98.pdf>> (issued April 2000).

## No. 1267. Firearms Manufacturers—Shipments, Exports, and Imports: 1980 to 1998

[In thousands of units]

Year	Shipments				Exports				Imports <sup>1</sup>			
	Total	Hand-guns	Rifles	Shot-guns	Total	Hand-guns	Rifles	Shot-guns	Total	Hand-guns	Rifles	Shot-guns
1980	5,645	2,370	1,936	1,339	517	220	171	127	754	299	182	273
1981	5,374	2,537	1,681	1,156	588	252	159	176	689	306	200	184
1982	5,130	2,629	1,623	879	446	254	87	105	665	333	175	157
1983	4,036	1,967	1,110	960	293	159	55	79	838	411	228	199
1984	3,873	1,680	1,107	1,086	235	117	49	69	773	342	213	219
1985	3,460	1,550	1,141	770	183	95	44	45	697	229	271	197
1986	3,040	1,428	971	641	217	121	37	59	701	231	269	201
1987	3,523	1,659	1,006	858	242	159	42	41	1,064	342	414	308
1988	3,818	1,746	1,145	928	254	132	54	69	1,276	622	283	372
1989	4,374	2,031	1,407	936	259	118	73	68	1,008	440	293	274
1990	3,844	1,839	1,156	849	354	178	72	104	844	449	204	192
1991	3,550	1,838	883	828	398	190	91	118	721	293	311	116
1992	4,030	2,010	1,002	1,018	398	189	90	119	2,847	982	1,423	442
1993	5,130	2,825	1,160	1,145	414	149	94	171	3,043	1,205	1,593	246
1994	5,161	2,582	1,324	1,255	401	173	82	147	1,881	915	848	118
1995	4,228	1,723	1,332	1,174	420	230	89	101	1,103	706	261	136
1996	3,835	1,484	1,424	926	326	154	75	97	882	491	263	128
1997	3,574	1,407	1,251	916	271	108	77	86	939	474	359	106
1998	3,645	1,240	1,536	869	200	45	66	90	1,000	532	249	219

<sup>1</sup> 1980-91, imports are on fiscal year basis; thereafter, calendar year.

Source: U.S. Department of Treasury, Bureau of Alcohol, Tobacco, and Firearms, *Commerce in Firearms in the United States*, February 2000.

## No. 1268. Selected Industrial Air Pollution Control Equipment—Shipments: 1998

[Quantity in number of units, value in thousands of dollars (848,174 represents \$858,174,000)]

Product	Product code	Number of companies	New orders		Shipments		Backlog (Dec. 31)	
			Quantity	Value	Quantity	Value	Quantity	Value
<b>Total</b>	<b>(X)</b>	<b>110</b>	<b>(S)</b>	<b>848,174</b>	<b>(S)</b>	<b>844,463</b>	<b>(S)</b>	<b>414,273</b>
Particulate emissions collectors	(X)	86	81,718	511,142	82,013	534,885	11,177	173,440
Electrostatic precipitators	3334111111	14	(D)	(D)	(D)	(D)	(D)	(D)
Fabric filters	3334111114	55	64,888	302,920	65,096	302,850	9,614	72,808
Mechanical collectors	3334111116	34	(D)	(D)	(D)	(D)	(D)	(D)
Wet scrubbers	3334111119	26	1,323	57,706	1,362	42,406	182	32,800
Gaseous emissions control devices	(X)	38	(S)	237,300	(S)	203,048	(S)	217,974
Catalytic oxidation systems	333411111C	11	(D)	(D)	(D)	(D)	(D)	(D)
Nitric oxide (NO) control systems	333411111E	2	(D)	(D)	(D)	(D)	(D)	(D)
Thermal and direct oxidation systems	333411111G	17	(S)	61,614	(S)	73,776	(S)	37,719
Scrubbers (gas absorber)	333411111J	11	436	24,494	461	21,678	114	12,473
Wet flue gas desulfurization systems	333411111M	3	(D)	(D)	(D)	(D)	(D)	(D)
Dry flue gas desulfurization systems	333411111P	2	(D)	(D)	(D)	(D)	(D)	(D)
Gas absorbers	333411111R	8	36	14,899	47	14,631	15	9,372
Other	333411111U	16	(S)	99,732	(S)	106,530	(S)	22,859

D Data withheld to avoid disclosure of company data. S Does not meet publication standards. X Not applicable.

Source: U.S. Census Bureau, *Manufacturing Profiles*, Series MP, annual; and <<http://www.census.gov/ftp/pub/industry/1/ma35j98.pdf>> (released February 2000).

## No. 1269. Toy Industry—Shipments and Quantity by Type of Product: 1996 to 1999

[Shipments in millions of dollars (17,078 represents \$17,078,000,000), quantity in millions (3,068 represents 3,068,000,000)]

Products	Shipments (mil. dol.)				Quantity (mil.)			
	1996	1997	1998	1999	1996	1997	1998	1999
<b>Total</b>	<b>17,078</b>	<b>19,508</b>	<b>20,414</b>	<b>22,388</b>	<b>3,068</b>	<b>3,433</b>	<b>3,661</b>	<b>4,022</b>
Video games	2,940	4,253	4,855	5,460	69	112	157	192
Other industry	14,138	15,255	15,559	16,928	2,999	3,321	3,504	3,830
Infant/preschool	1,384	1,403	1,408	1,508	211	218	219	231
Dolls	2,089	2,154	2,157	2,169	258	252	268	269
Plush	984	1,353	1,958	2,388	147	259	442	515
Action figure toys	832	1,046	907	1,123	158	186	154	194
Vehicles	1,386	1,544	1,665	1,698	280	349	414	408
Ride-ons	770	743	728	762	35	34	33	34
Games/puzzles	1,428	1,479	1,475	1,732	254	248	250	335
Activity toys	2,077	2,087	2,096	2,253	608	680	686	725
All other toys	3,188	3,446	3,165	3,295	1,048	1,095	1,038	1,119

Source: Toy Manufacturers of America, Inc., New York, NY, *Toy Industry Fact Book*, annual (copyright).